Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

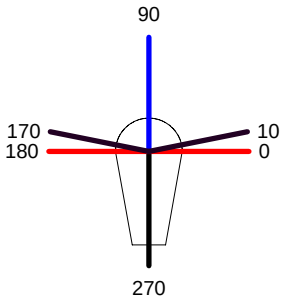
Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Luminaria Rectangular	Longit. 500 mm	Anchura 210 mm	Altura 60 mm		
Área Luminosa Rectangular	Longit. 80 mm	Anchura 95 mm	Altura 30 mm		
Área Luminosa Horizontal	0.007600 m2		Área Emisión sobre Pl. 180°	0.002400 m2	
Área Emisión sobre Pl. 0°	0.002400 m2		Área Emisión sobre Pl. 270°	0.002850 m2	
Área Emisión sobre Pl. 90°	0.002850 m2		Área de deslumbramiento a 76°	0.004167 m2	
Tipo de Simetría	Sim. en los planos 270-90		Máximo Ángulo Gamma	180	
Distancia de Ensayo	6.44		Flujo de Ensayo	4320.74 lm	
Operador	Asselum T2		Tensión de alimentación	230.00 V	
Temperatura	21.00 °C		Corriente de alimentación		
Humedad	45.00 %		Fotocélula	Prc	
Notas					

Lámparas de la Luminaria

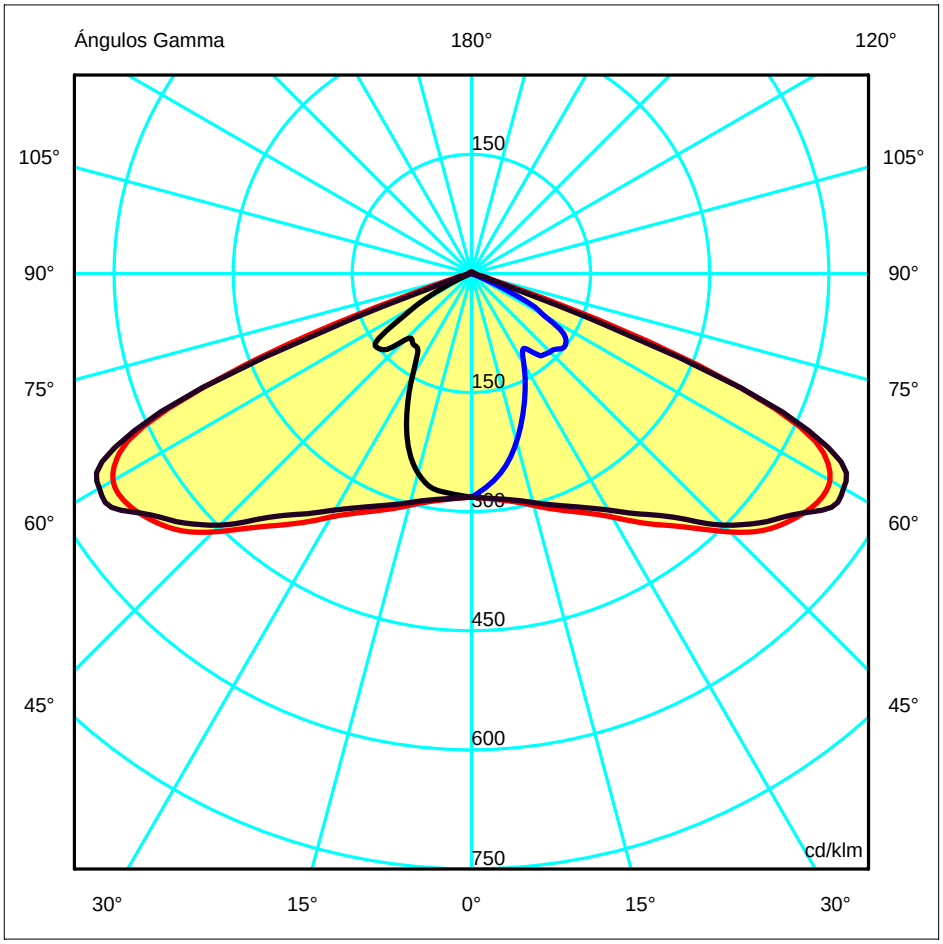
Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
- GREENICE	NE-DY-STN50W	Lámpara leds 50W blanco frio	4320.74	50.00	1

C.I.E.	41	82	99	99	100	D DIN 5040	A31		





ULOR	0.97 %
DLOR	99.03 %
RN	0.97 %



Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Tabla de Intensidad Luminosa cd/klm **Tabla 1/2**

	C 270.00	C 285.00	C 300.00	C 310.00	C 315.00	C 320.00	C 325.00	C 330.00	C 335.00	C 340.00
G 0.0	281.54	281.54	281.54	281.54	281.54	281.54	281.54	281.54	281.54	281.54
G 10.0	275.71	283.67	281.98	289.48	288.95	292.18	293.42	293.64	295.35	294.23
G 20.0	232.42	248.47	260.85	283.68	288.10	298.61	305.53	311.00	318.20	319.43
G 30.0	148.80	192.90	223.59	268.81	282.56	303.29	319.15	331.71	349.19	354.74
G 35.0	117.76	140.66	179.51	253.85	274.24	304.26	325.18	344.97	364.25	374.52
G 40.0	115.01	125.29	150.26	228.18	251.79	297.70	323.67	354.46	382.19	395.42
G 45.0	117.90	121.74	140.61	194.20	218.46	277.67	310.29	357.46	387.44	415.71
G 47.5	139.68	122.21	139.95	176.04	197.57	260.97	295.58	353.36	384.73	421.88
G 50.0	148.54	134.41	143.34	163.64	178.19	240.55	273.30	341.20	372.92	422.29
G 52.5	151.39	148.07	145.75	157.45	164.45	217.96	246.34	322.88	351.69	414.89
G 55.0	143.14	151.57	142.53	152.02	150.83	191.38	213.57	291.54	323.23	396.19
G 57.5	106.11	142.53	138.21	145.49	143.28	165.35	185.06	247.23	290.37	371.81
G 60.0	79.02	120.45	124.14	140.77	135.55	154.66	153.97	221.66	253.84	342.28
G 62.5	50.33	95.66	96.79	133.82	105.49	142.37	110.49	189.55	171.40	303.06
G 65.0	26.27	67.65	60.78	106.76	72.19	112.16	74.82	117.58	87.92	230.21
G 67.5	7.50	35.37	27.19	72.08	36.62	76.07	35.05	68.92	28.16	112.69
G 70.0	4.89	5.43	5.91	36.00	9.22	20.72	6.75	30.51	12.19	23.87
G 72.5	3.47	4.11	3.12	7.03	4.09	5.57	4.01	7.57	5.23	13.91
G 75.0	2.88	2.02	2.32	3.85	3.44	4.22	2.75	4.62	2.65	5.69
G 77.5	1.92	1.67	1.92	2.85	3.54	3.18	3.10	2.57	2.61	2.98
G 80.0	1.09	1.54	1.68	2.52	3.20	3.44	3.57	2.68	2.75	2.80
G 82.5	0.97	1.01	1.60	2.55	2.50	3.81	3.85	3.19	3.09	2.91
G 85.0	0.83	0.99	1.47	2.36	2.23	3.49	3.67	3.75	3.60	2.96
G 87.5	0.72	0.97	1.47	2.08	2.17	2.85	3.26	3.95	4.26	3.18
G 90.0	0.64	0.92	1.32	1.96	1.94	2.61	2.71	3.90	4.03	4.07
G 92.5	0.64	0.81	0.97	1.75	1.49	2.29	2.28	3.40	3.94	4.26
G 95.0	0.67	0.75	0.83	1.32	1.09	1.58	2.02	3.20	4.47	4.61
G 97.5	0.70	0.72	0.80	0.94	0.95	1.19	1.44	3.48	4.19	5.25
G100.0	0.72	0.73	0.83	0.90	0.94	1.04	1.17	2.87	2.20	4.47
G102.5	0.74	0.75	0.86	0.91	0.98	1.00	1.07	1.65	1.18	2.48
G105.0	0.79	0.80	0.90	0.94	1.02	1.01	1.11	1.17	1.18	1.24
G120.0	1.00	1.01	1.14	1.20	1.26	1.28	1.32	1.35	1.39	1.41
G135.0	1.21	1.22	1.32	1.36	1.41	1.40	1.45	1.44	1.48	1.46
G150.0	1.54	1.53	1.62	1.64	1.68	1.68	1.73	1.72	1.76	1.73
G165.0	1.78	1.81	1.80	1.83	1.81	1.83	1.82	1.84	1.83	1.84
G180.0	1.84	1.87	1.87	1.89	1.87	1.89	1.87	1.88	1.86	1.86

	C 345.00	C 350.00	C 355.00	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00
G 0.0	281.54	281.54	281.54	281.54	281.54	281.54	281.54	281.54	281.54	281.54
G 10.0	297.01	293.43	295.98	291.21	288.62	289.42	283.42	282.56	276.69	274.24
G 20.0	326.29	321.88	326.47	316.52	312.56	310.57	297.04	291.79	278.39	269.15
G 30.0	367.07	361.09	371.05	354.05	345.75	343.92	320.48	308.37	285.68	269.16
G 35.0	392.08	388.48	399.35	384.33	374.10	369.73	340.72	324.70	293.75	274.18
G 40.0	420.78	418.92	431.62	416.52	403.85	401.32	363.87	345.60	307.41	281.54
G 45.0	443.27	454.37	474.37	460.13	451.19	448.38	400.95	382.12	326.69	300.47
G 47.5	450.30	468.62	488.50	481.46	470.94	467.63	421.41	398.48	343.51	311.13
G 50.0	453.00	477.40	498.01	497.42	489.24	485.89	439.91	413.70	359.60	322.16
G 52.5	445.05	480.60	503.15	509.10	503.99	501.43	457.53	430.93	373.29	334.01
G 55.0	426.74	476.50	502.23	518.39	520.08	523.09	476.64	452.45	387.10	360.21
G 57.5	403.11	467.21	492.83	523.58	533.40	542.95	501.13	474.51	405.38	386.00
G 60.0	375.81	451.50	476.33	521.10	538.88	541.00	517.98	475.20	424.75	387.91
G 62.5	316.90	422.70	432.78	503.18	528.61	529.70	517.23	474.34	437.97	386.83
G 65.0	193.41	345.67	335.55	456.53	501.10	468.63	504.30	449.89	434.78	343.00
G 67.5	73.23	209.40	150.79	338.16	394.80	328.91	439.07	355.47	379.03	198.48
G 70.0	15.90	71.08	30.52	168.26	206.12	86.87	266.11	113.40	261.91	79.33
G 72.5	7.91	19.43	18.81	30.60	48.48	24.90	66.54	17.57	93.69	17.95
G 75.0	3.37	10.95	6.58	21.53	24.81	15.71	21.49	12.75	15.66	7.81
G 77.5	3.13	4.55	4.77	10.08	13.22	7.28	14.15	5.92	9.50	4.76
G 80.0	3.17	3.87	4.01	5.92	6.90	4.10	6.17	3.76	4.63	3.74
G 82.5	3.26	3.56	4.04	4.25	4.34	3.86	3.86	3.65	3.69	3.73
G 85.0	3.54	3.67	4.30	4.17	4.06	4.05	3.62	3.84	3.67	3.80
G 87.5	3.99	4.07	4.47	4.35	4.11	4.23	3.87	4.01	3.81	3.88
G 90.0	3.82	4.21	3.85	4.53	4.24	3.94	4.10	3.76	3.92	3.67
G 92.5	4.43	3.71	3.14	4.14	3.98	3.14	3.84	3.01	3.66	2.93
G 95.0	5.53	3.71	3.68	3.05	3.09	2.79	3.14	2.69	2.94	2.76
G 97.5	4.49	4.96	3.81	3.38	2.94	2.93	2.74	2.82	2.66	2.72
G100.0	2.19	4.19	1.80	3.36	3.25	2.14	2.91	2.37	2.77	2.51
G102.5	1.32	2.34	1.24	1.87	1.97	1.24	2.10	1.35	2.54	1.68
G105.0	1.23	1.32	1.25	1.24	1.22	1.18	1.21	1.11	1.49	1.09
G120.0	1.43	1.44	1.46	1.46	1.43	1.44	1.39	1.39	1.32	1.32
G135.0	1.50	1.47	1.50	1.47	1.45	1.47	1.44	1.45	1.42	1.44
G150.0	1.78	1.73	1.78	1.72	1.69	1.72	1.66	1.69	1.63	1.67
G165.0	1.83	1.84	1.84	1.85	1.86	1.86	1.85	1.86	1.85	1.87
G180.0	1.85	1.86	1.85	1.85	1.85	1.86	1.85	1.86	1.86	1.88

Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

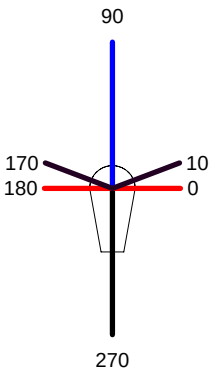
Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

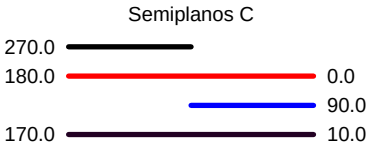
Tabla de Intensidad Luminosa cd/klm **Tabla 2/2**

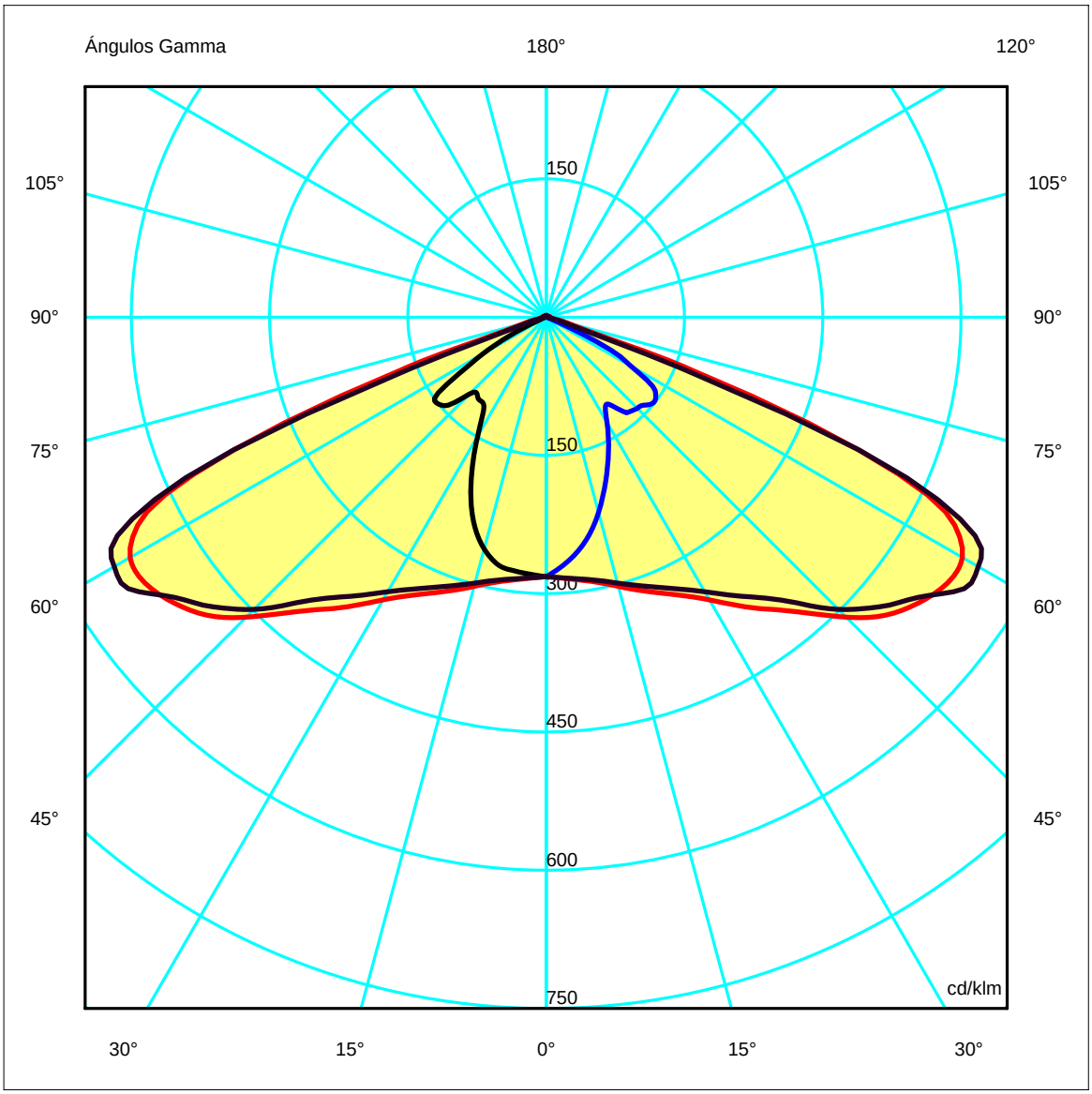
	C 35.00	C 40.00	C 45.00	C 50.00	C 60.00	C 75.00	C 90.00
G 0.0	281.54	281.54	281.54	281.54	281.54	281.54	281.54
G 10.0	269.88	264.82	262.87	255.70	252.81	239.92	246.32
G 20.0	257.42	246.47	238.10	224.82	211.09	186.63	188.87
G 30.0	249.18	230.52	214.33	195.21	169.47	130.09	131.95
G 35.0	246.96	224.04	203.40	177.11	149.16	121.77	115.12
G 40.0	247.11	219.22	191.49	166.36	137.29	140.52	135.44
G 45.0	253.01	220.53	187.42	178.44	151.67	146.88	139.87
G 47.5	257.98	227.69	192.96	178.35	151.05	147.60	141.53
G 50.0	265.75	242.40	207.12	181.12	158.51	150.92	147.29
G 52.5	277.98	254.02	205.46	185.02	158.36	151.98	148.65
G 55.0	305.39	264.16	213.95	188.82	161.50	144.59	145.09
G 57.5	315.82	270.85	213.78	189.48	162.29	117.38	133.92
G 60.0	329.32	274.63	221.01	182.03	150.05	99.99	105.70
G 62.5	327.03	247.90	210.71	154.34	120.47	44.48	85.50
G 65.0	310.48	193.05	190.34	68.37	66.52	6.62	42.53
G 67.5	201.77	98.80	105.52	17.61	16.74	6.28	5.89
G 70.0	123.27	31.17	32.96	8.67	9.53	3.61	5.32
G 72.5	58.09	10.61	13.38	5.43	6.07	3.74	1.94
G 75.0	13.88	5.44	7.64	4.65	5.43	3.38	1.81
G 77.5	6.06	4.16	4.76	4.39	5.08	2.98	1.71
G 80.0	4.21	3.76	3.95	4.37	5.06	2.51	1.53
G 82.5	3.70	3.83	3.92	4.50	5.11	2.05	1.42
G 85.0	3.67	3.98	4.06	4.50	5.19	1.64	1.28
G 87.5	3.78	4.03	4.20	4.39	4.89	1.21	1.20
G 90.0	3.92	3.75	4.09	4.23	4.49	1.05	1.14
G 92.5	3.70	3.26	3.82	4.02	4.11	0.98	1.04
G 95.0	3.03	3.04	3.44	3.47	3.69	0.94	0.96
G 97.5	2.89	2.77	3.15	2.66	3.24	0.74	0.86
G100.0	2.74	2.23	2.80	1.85	2.13	0.74	0.73
G102.5	2.33	1.53	2.09	1.20	1.15	0.78	0.73
G105.0	1.62	1.01	1.21	0.90	0.85	0.81	0.76
G120.0	1.24	1.24	1.15	1.17	1.06	1.06	1.00
G135.0	1.39	1.40	1.34	1.37	1.29	1.34	1.27
G150.0	1.60	1.64	1.57	1.63	1.58	1.65	1.59
G165.0	1.83	1.86	1.82	1.84	1.79	1.82	1.78
G180.0	1.87	1.89	1.87	1.89	1.87	1.87	1.84

Luminaria		Ensayo		Lámpara	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

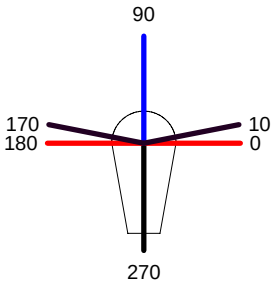






Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90







Luminaria		Ensayo		Lámpara	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	35.0	36.4	35.3	36.6	28.4	26.5	27.9	26.8	28.1	28.4
x=2H y=3H	36.3	37.6	36.7	37.8	28.4	26.6	27.8	26.9	28.1	28.4
x=2H y=4H	36.3	37.4	36.6	37.7	28.3	26.5	27.7	26.9	28.0	28.3
x=2H y=6H	36.2	37.2	36.6	37.6	28.1	26.4	27.5	26.8	27.8	28.1
x=2H y=8H	36.1	37.2	36.5	37.5	28.1	26.4	27.4	26.8	27.7	28.1
x=2H y=12H	36.1	37.1	36.5	37.4	28.0	26.4	27.3	26.7	27.7	28.0
x=4H y=2H	35.0	36.1	35.3	36.4	29.3	27.6	28.7	27.9	29.0	29.3
x=4H y=3H	36.4	37.3	36.7	37.7	29.3	27.6	28.6	28.0	28.9	29.3
x=4H y=4H	36.3	37.1	36.7	37.5	29.2	27.6	28.4	28.0	28.8	29.2
x=4H y=6H	36.2	37.0	36.7	37.4	29.0	27.5	28.2	27.9	28.6	29.0
x=4H y=8H	36.2	36.9	36.7	37.3	29.0	27.5	28.1	27.9	28.6	29.0
x=4H y=12H	36.2	36.8	36.6	37.2	28.9	27.4	28.0	27.9	28.5	28.9
x=8H y=4H	36.2	36.9	36.7	37.3	29.0	27.5	28.2	27.9	28.6	29.0
x=8H y=6H	36.1	36.7	36.6	37.1	28.9	27.4	28.0	27.9	28.4	28.9
x=8H y=8H	36.1	36.6	36.6	37.0	28.8	27.4	27.9	27.9	28.3	28.8
x=8H y=12H	36.1	36.5	36.6	37.0	28.8	27.4	27.8	27.9	28.2	28.8
x=12H y=4H	36.2	36.8	36.6	37.2	28.9	27.4	28.0	27.9	28.5	28.9
x=12H y=6H	36.1	36.6	36.6	37.0	28.8	27.4	27.9	27.9	28.3	28.8
x=12H y=8H	36.1	36.5	36.6	37.0	28.8	27.4	27.8	27.9	28.2	28.8

Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Flujo Total=4320.74 Flujo Luminaria=4320.73

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.24	0.34	0.43	0.52	0.58	0.68	0.74	0.78	0.84	0.87	0.93	0.97
RC	7	6	6	5	5	5	5	5	4	4	4	4

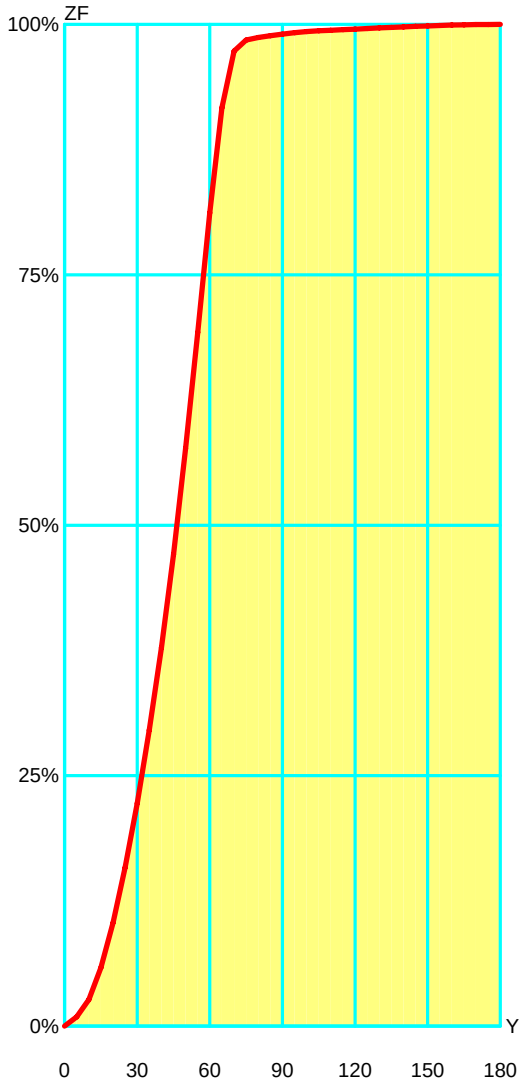
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	27	103	222	378	577	812	973	987	990	993	994	995	996	998	999	999	1000	1000

Códigos de Flujo C.I.E.

41 82 99 99 100

C.I.E.	7/6/6/5/5/5/5/5/4/4/4/4	LOR	99.99981 %
D DIN 5040	A31	ULOR	0.97389 %
F UTE	0.99 F + 0.01 T	DLOR	99.02593 %
B NBN	BZ 5 / 1.5 / BZ 4	UFF	0.97389 %
RN	0.97389 %	DFF	99.02611 %
BLF	1.0	FFR	0.98347 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.23	9.23	0.92 %	0.92 %
10°	17.38	26.61	1.74 %	2.66 %
15°	31.77	58.39	3.18 %	5.84 %
20°	44.80	103.19	4.48 %	10.32 %
25°	55.01	158.19	5.50 %	15.82 %
30°	64.20	222.40	6.42 %	22.24 %
35°	72.97	295.36	7.30 %	29.54 %
40°	82.24	377.61	8.22 %	37.76 %
45°	93.56	471.16	9.36 %	47.12 %
50°	105.47	576.63	10.55 %	57.66 %
55°	115.89	692.52	11.59 %	69.25 %
60°	119.22	811.74	11.92 %	81.17 %
65°	105.08	916.82	10.51 %	91.68 %
70°	56.50	973.32	5.65 %	97.33 %
75°	11.10	984.42	1.11 %	98.44 %
80°	2.53	986.95	0.25 %	98.70 %
85°	1.68	988.64	0.17 %	98.86 %
90°	1.62	990.26	0.16 %	99.03 %
95°	1.43	991.69	0.14 %	99.17 %
100°	1.18	992.88	0.12 %	99.29 %
105°	0.73	993.61	0.07 %	99.36 %
110°	0.57	994.18	0.06 %	99.42 %
115°	0.57	994.75	0.06 %	99.48 %
120°	0.57	995.32	0.06 %	99.53 %
125°	0.57	995.89	0.06 %	99.59 %
130°	0.57	996.45	0.06 %	99.65 %
135°	0.55	997.00	0.06 %	99.70 %
140°	0.53	997.54	0.05 %	99.75 %
145°	0.50	998.04	0.05 %	99.80 %
150°	0.47	998.51	0.05 %	99.85 %
155°	0.43	998.94	0.04 %	99.89 %
160°	0.37	999.32	0.04 %	99.93 %
165°	0.29	999.60	0.03 %	99.96 %
170°	0.19	999.79	0.02 %	99.98 %
175°	0.12	999.91	0.01 %	99.99 %
180°	0.08	1000.00	0.01 %	100.00 %

Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

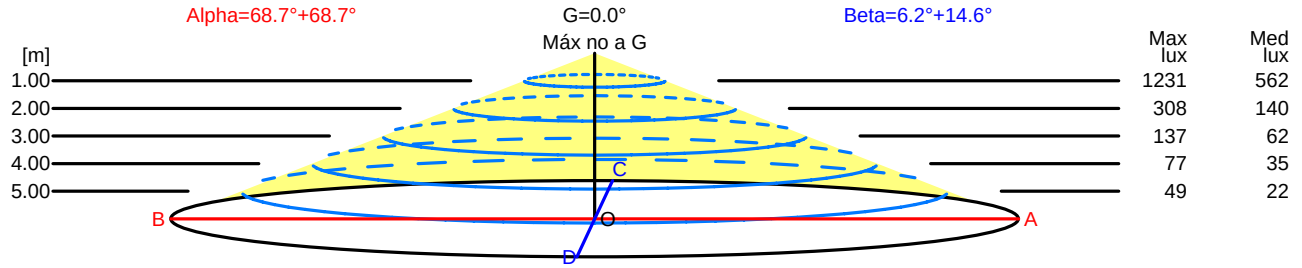
Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Apertura a 50.00 % de Max Intensidad

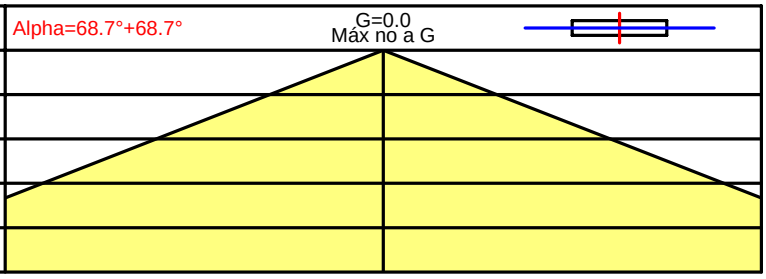
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	2.56	5.12	7.68	10.24	12.80	OC	0.11	0.22	0.33	0.43	0.54
OB	2.56	5.12	7.68	10.24	12.80	OD	0.26	0.52	0.78	1.04	1.30

Intensidades Luminosas [cd/klm]

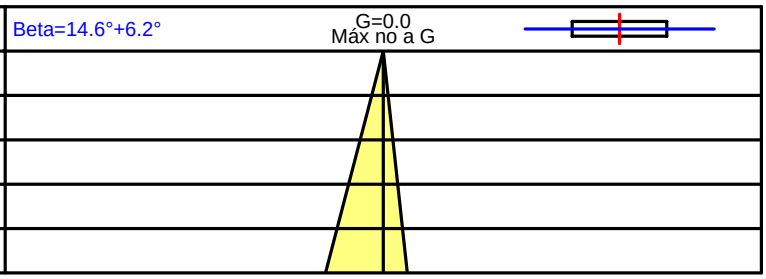
	0	5	15	25	35	45	55	65	75	85
OA	1216.44	1231.00	1306.56	1435.33	1660.61	1988.10	2239.83	1972.53	93.04	18.04
OB	1216.44	1231.00	1306.56	1435.33	1660.61	1988.10	2239.83	1972.53	93.04	18.04
OC	1216.44	1150.05	947.15	690.68	497.39	604.35	626.88	183.74	7.83	5.54
OD	1216.44	1203.87	1124.59	830.98	508.83	509.44	618.45	113.50	12.46	3.59



H[m]	D[m]	Max lux	Med lux
1.00	5.12	1231	562
2.00	10.24	308	140
3.00	15.36	137	62
4.00	20.47	77	35
5.00	25.59	49	22



H[m]	D[m]	Max lux	Med lux
1.00	0.37	1231	562
2.00	0.74	308	140
3.00	1.11	137	62
4.00	1.47	77	35
5.00	1.84	49	22

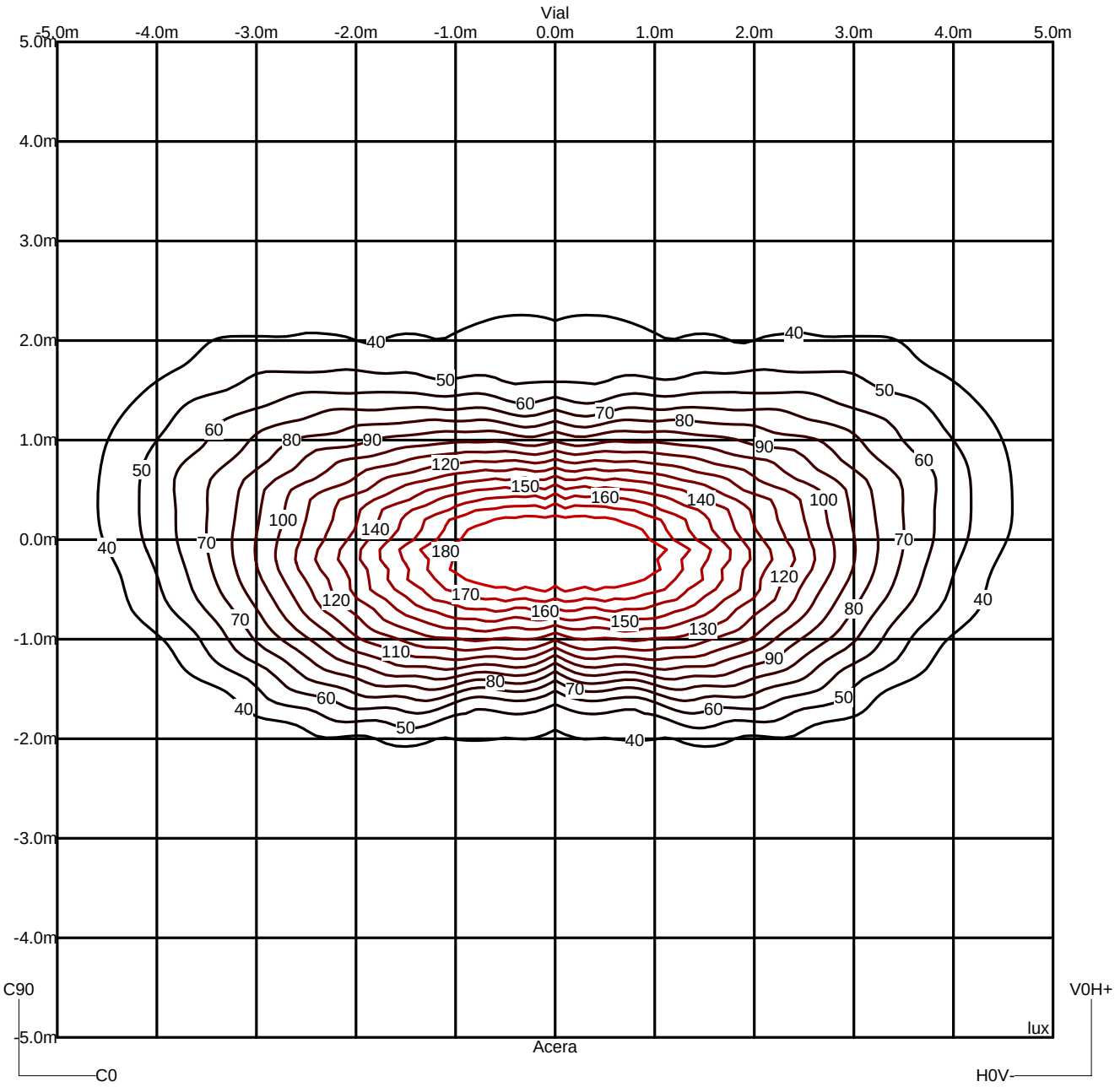


Luminaria		Ensayo		Lámpara	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m



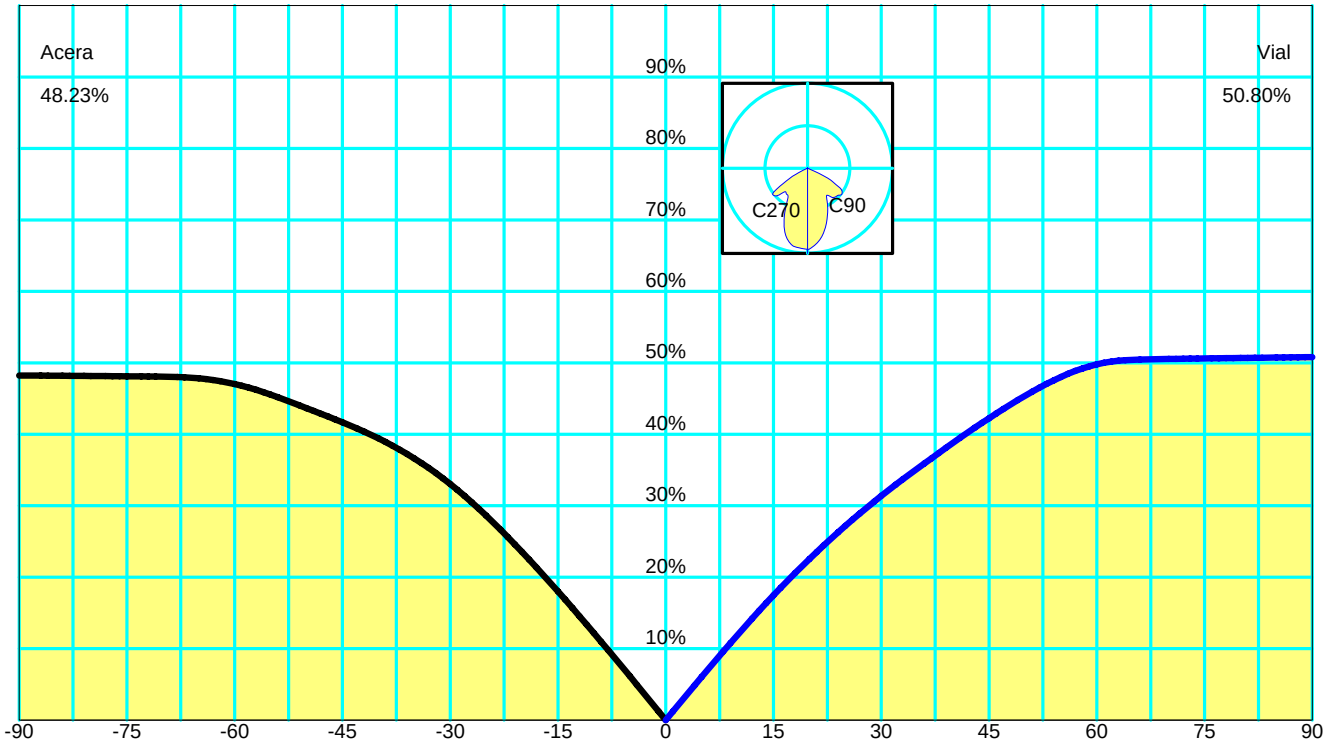
Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Acera			Vial		
Piano	0	0.00%	Piano	0	0.00%
Piano	-5	6.15%	Piano	5	6.05%
Piano	-10	12.17%	Piano	10	11.92%
Piano	-15	18.00%	Piano	15	17.46%
Piano	-20	23.53%	Piano	20	22.56%
Piano	-25	28.62%	Piano	25	27.18%
Piano	-30	33.04%	Piano	30	31.37%
Piano	-35	36.62%	Piano	35	35.19%
Piano	-40	39.43%	Piano	40	38.82%
Piano	-45	41.67%	Piano	45	42.25%
Piano	-50	43.66%	Piano	50	45.38%
Piano	-55	45.55%	Piano	55	48.03%
Piano	-60	47.03%	Piano	60	49.79%
Piano	-65	47.83%	Piano	65	50.43%
Piano	-70	48.06%	Piano	70	50.54%
Piano	-75	48.12%	Piano	75	50.62%
Piano	-80	48.16%	Piano	80	50.68%
Piano	-85	48.20%	Piano	85	50.74%
Piano	-90	48.23%	Piano	90	50.80%

Ángulo de Inclinación = 0.0

DLOR = 99.03%



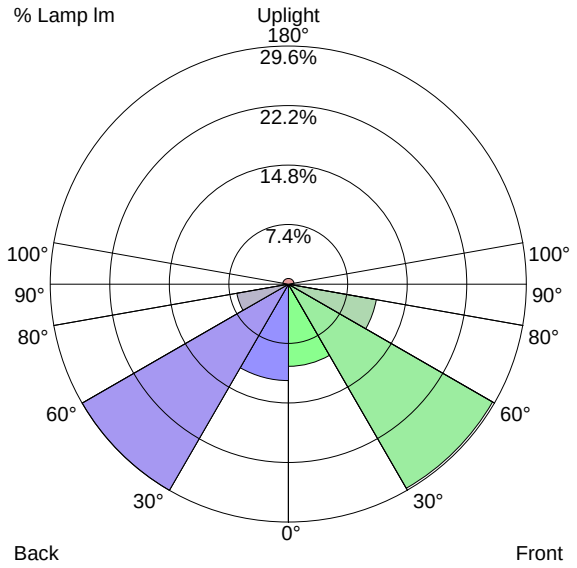
Spread	31.8°	Estrecho		DLOR	99.02593 %
Throw	57.4°	Corto		ULOR	0.97389 %
SLI (deslumbramiento)	6.6	Concentrado		Rendimiento	99.99981 %
Cutoff CIE	Cutoff - Max: C=10.0° Gamma=57.5°			RN	0.97389 %
Cutoff Iesna	Cutoff			Clase de Intensidad Luminosa	G3
DIN5044	KB1			Índice de Deslumbramiento	D6

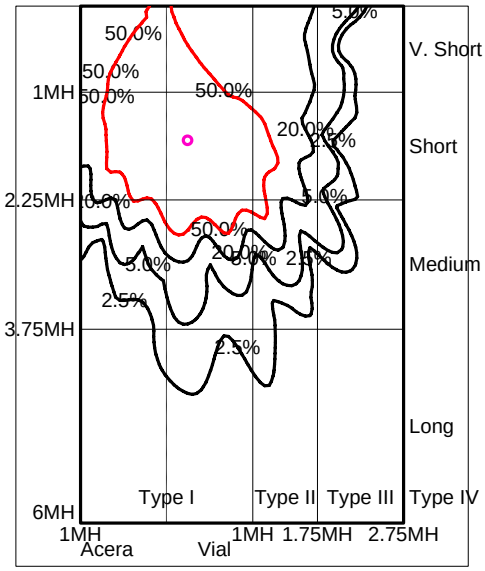
IESNA Type II Short Asymmetrical

Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

US ROAD STANDARDS





Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	441.3 lm	10.2 %	10.2 %
FM	30° -- 60°	1266.0 lm	29.3 %	29.3 %
FH	60° -- 80°	479.1 lm	11.1 %	11.1 %
FVH	80° -- 90°	8.5 lm	0.2 %	0.2 %
BL	0° -- 30°	518.0 lm	12.0 %	12.0 %
BM	30° -- 60°	1278.6 lm	29.6 %	29.6 %
BH	60° -- 80°	281.5 lm	6.5 %	6.5 %
BVH	80° -- 90°	5.9 lm	0.1 %	0.1 %
UL	90° -- 100°	11.3 lm	0.3 %	0.3 %
UH	100° -- 180°	30.7 lm	0.7 %	0.7 %
TOTALS		4320.7 lm	100.0 %	100.0 %
BUG B2 U2 G1 Type II Short Asymmetrical				

Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Utilización CIE

Montaje Directo Normalización Normalizados Raz. de Susp. 1/3 CIE Estándar

Techo

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	233	209	190	172	199	164	120	102	99	84	55	41	23	16	79	44	39	19	15	37	16	14	4
0.80	266	244	200	184	232	176	149	130	111	98	65	52	30	22	92	54	49	25	21	46	22	19	4
1.00	287	267	200	187	254	179	171	153	118	106	72	59	36	28	99	61	56	31	27	53	27	24	5
1.25	305	287	195	185	274	177	195	177	121	111	78	66	43	35	104	68	63	38	33	60	34	30	5
1.50	318	302	189	180	288	174	213	196	123	114	82	72	49	41	107	73	68	44	39	65	40	36	6
2.00	334	321	175	170	306	164	242	226	123	116	88	79	59	51	110	80	76	54	49	73	50	46	6
2.50	345	334	166	161	319	156	262	248	122	116	93	85	67	59	111	85	81	62	57	78	57	53	7
3.00	352	343	158	155	328	151	278	265	121	116	96	89	73	66	111	88	85	68	63	82	63	59	7
4.00	363	356	149	147	340	143	300	289	120	117	100	94	81	75	112	94	91	77	73	88	72	69	8
5.00	371	364	144	142	349	139	315	305	120	117	103	98	87	82	113	97	95	83	79	92	79	75	8
10.00	386	383	132	131	368	129	348	343	119	117	109	107	101	97	114	105	104	97	95	101	93	90	9
20.00	395	393	125	125	378	123	367	364	118	117	113	112	108	106	114	110	109	105	104	106	102	99	9

Pared

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	495	483	442	433	476	428	375	367	345	339	289	284	249	246	336	285	283	247	246	282	246	245	226
0.80	551	538	476	467	528	460	430	420	384	378	330	324	289	285	373	324	321	286	284	320	284	283	260
1.00	586	573	492	484	561	477	468	457	408	401	356	350	316	312	395	349	347	313	311	344	310	309	282
1.25	614	602	500	493	587	485	501	490	424	418	376	370	338	334	410	369	366	335	332	363	331	329	299
1.50	632	621	502	497	604	489	525	513	434	428	390	384	355	350	420	382	379	350	347	375	346	343	311
2.00	646	636	493	488	617	480	549	538	436	432	400	394	369	364	422	390	388	363	360	383	358	354	318
2.50	654	645	483	480	624	472	565	554	435	431	404	399	377	372	421	394	392	370	367	386	364	359	320
3.00	656	649	474	471	626	463	574	564	432	428	405	400	381	375	418	394	392	373	370	385	367	361	320
4.00	664	657	465	463	632	455	590	582	431	428	409	405	389	384	417	398	396	381	378	388	373	366	322
5.00	670	665	462	460	639	452	603	595	432	430	414	410	397	392	418	402	400	387	385	392	379	371	325
10.00	688	685	457	456	656	449	635	630	438	436	427	425	417	414	424	415	414	406	404	403	395	386	336
20.00	699	697	455	455	666	448	654	651	442	441	436	434	430	428	428	423	422	418	417	411	406	395	343

P.Trab.

K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	544	530	507	497	522	490	399	390	384	377	312	307	260	258	373	307	305	258	257	304	257	256	238
0.80	667	652	615	604	640	595	518	507	494	486	422	415	367	363	479	414	412	364	362	409	362	360	341
1.00	762	746	694	684	730	674	613	600	580	571	510	502	455	450	562	500	497	451	449	493	448	445	426
1.25	851	835	767	758	815	746	706	692	661	653	596	587	544	538	642	585	581	538	535	576	533	530	512
1.50	916	901	818	810	878	797	776	762	721	714	661	652	611	604	700	648	644	604	600	638	598	593	576
2.00	1000	995	888	882	967	869	881	866	807	801	756	747	713	705	785	741	738	703	699	729	695	689	673
2.50	1000	1000	931	926	1000	912	948	935	861	855	816	808	778	770	838	800	797	767	763	786	757	749	734
3.00	1000	1000	959	955	1000	941	996	983	897	892	859	851	825	817	874	841	838	812	808	826	801	791	777
4.00	1000	1000	992	989	1000	976	1000	1000	941	937	910	904	883	875	917	891	889	868	864	875	854	842	829
5.00	1000	1000	1000	1000	1000	995	1000	1000	967	964	941	936	918	911	943	921	919	901	897	903	886	873	860
10.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	991	986	994	982	981	971	968	962	952	935	923
20.00	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	992	987	967	956

LM53 SHR C0-C180: 2.261 SHR C90-C270: 0.808 SHR Superficial: 1.358

Luminaria		Ensayo		Lámpara	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

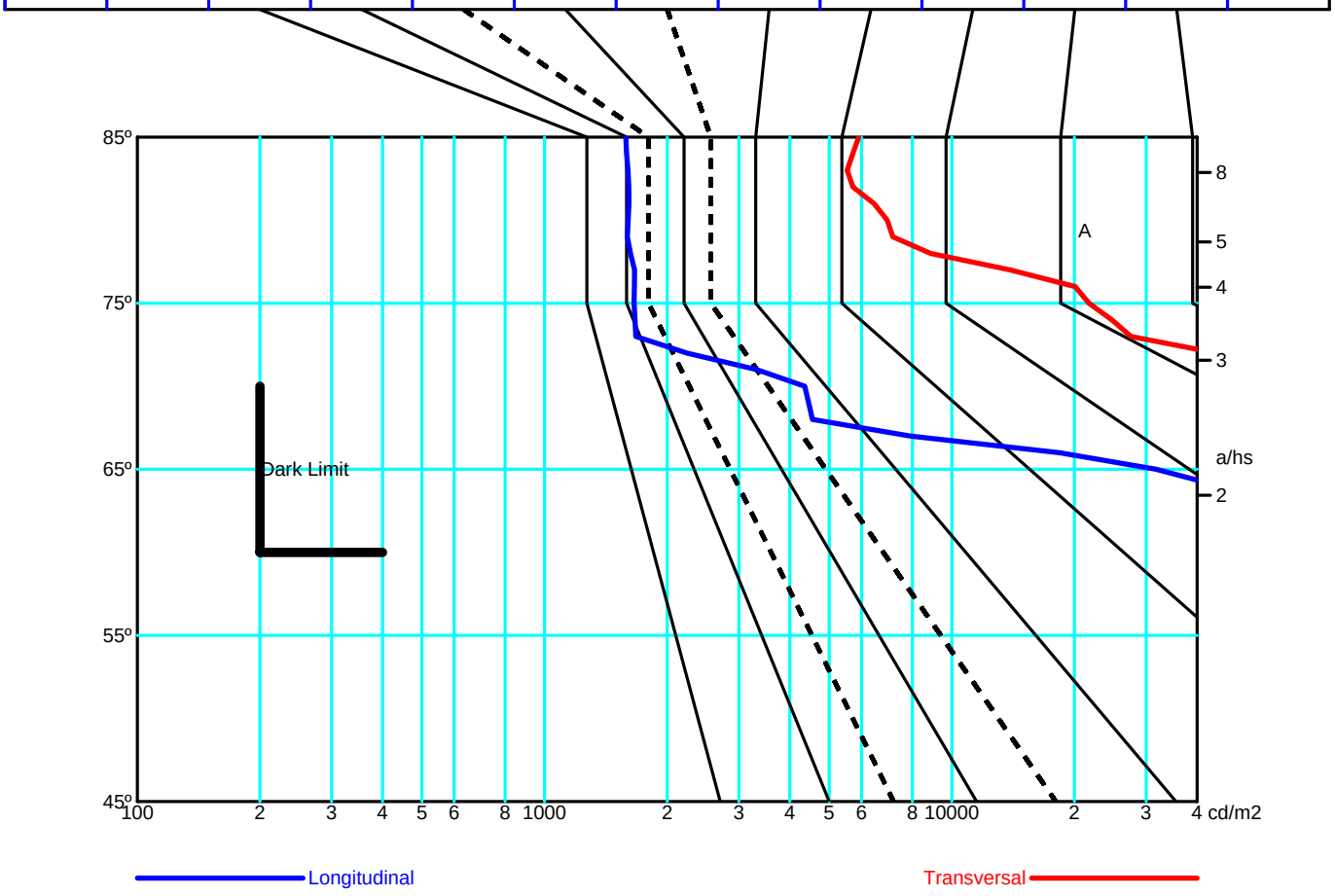
Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Luminancia Media [cd/m²]

	45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°	281160	319651	354115	383016	366162	149756	21712	6941	5907	---
90.0°	81788	90035	93652	72864	31708	4353	1659	1604	1583	---

Flujo montado o vista longitudinal

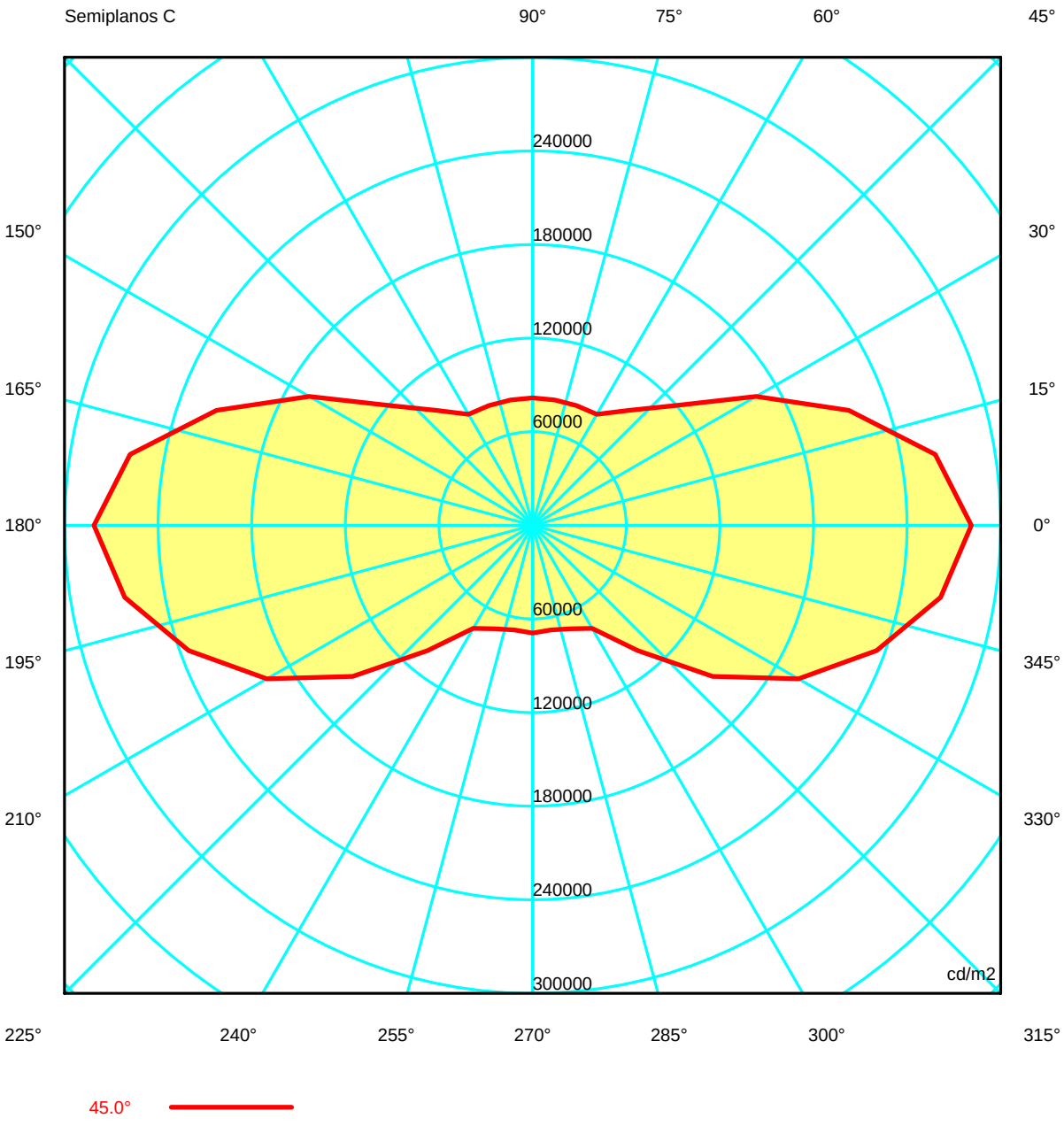
		Iluminancia (lx)										
A	A	2000	1000	750	500		<300					1.15
B	1		2000	1500	1000	750	500	<300				1.5
C					2000		1000	500	<300			1.85
D	2						2000	1000	500	<300		2.2
E	3							2000	1000	500	<300	2.55



Luminaria		Ensayo		Lámpara	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Luminancia



Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Luminance cd/m2 **Tabla 1/3**

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22
G 5.0	158221.43	157081.21	155191.88	152339.09	149691.53	147321.58	147004.42	144689.58	143967.74	147074.94	143967.74	144689.58	147004.42
G 10.0	159242.94	156686.15	151747.76	146412.50	140879.42	135865.05	134496.90	130248.97	128685.91	133378.81	128685.91	130248.97	134496.90
G 15.0	164095.44	159621.49	151351.41	142181.41	133222.82	125030.94	121397.98	115540.59	112959.52	117240.95	112959.52	115540.59	121397.98
G 20.0	171756.90	165273.31	152886.14	139440.88	126823.98	115423.32	108628.05	100344.45	96586.53	100544.76	96586.53	100344.45	108628.05
G 25.0	181635.68	173301.20	156014.57	138233.21	121867.12	107485.81	97230.54	85214.46	80161.48	85349.15	80161.48	85214.46	97230.54
G 30.0	196584.22	185495.93	162550.86	139555.49	118335.32	99878.59	87004.17	72981.58	66598.33	71206.59	66598.33	72981.58	87004.17
G 35.0	218439.94	203111.26	173669.29	143853.76	116195.75	91506.42	77373.87	67885.34	62854.71	63279.80	62854.71	67885.34	77373.87
G 40.0	244367.04	226390.46	189061.25	150666.38	115775.80	87475.51	72518.31	74650.84	77098.57	76456.38	77098.57	74650.84	72518.31
G 45.0	281159.54	261970.54	215597.09	165355.77	119565.71	96271.24	82249.19	81744.20	81604.01	81787.65	81604.01	81744.20	82249.19
G 50.0	319650.81	296743.71	242879.85	183901.79	136073.02	101112.71	89000.44	86847.65	88013.06	90034.67	88013.06	86847.65	89000.44
G 55.0	354115.33	337302.06	279070.77	215296.92	154954.52	110079.05	94759.62	88193.70	88680.11	93651.72	88680.11	88193.70	94759.62
G 60.0	383016.05	372483.69	311221.91	245247.56	170030.94	111927.85	92926.20	72161.48	62640.39	72863.84	62640.39	72161.48	92926.20
G 65.0	366162.42	348958.73	316624.93	232029.08	127574.28	44836.53	43970.93	24183.11	1082.53	31708.13	1082.53	24183.11	43970.93
G 70.0	149756.33	71013.65	86956.04	58177.59	22264.87	6138.68	6811.36	4097.98	1319.67	4352.78	1319.67	4097.98	6811.36
G 75.0	21711.66	14358.12	10831.31	6306.81	4265.50	3607.28	4255.85	3796.31	2127.70	1658.98	2127.70	3796.31	4255.85
G 80.0	6940.60	4282.11	3610.32	3389.65	3294.78	3786.51	4429.92	3168.64	1841.98	1603.72	1841.98	3168.64	4429.92
G 85.0	5907.44	4987.46	4273.25	3952.99	3984.20	4449.57	5195.95	3013.70	1694.88	1583.23	1694.88	3013.70	5195.95
G 90.0	8160.18	5951.03	5028.11	4528.42	4419.64	4910.50	5293.39	2732.30	797.10	1729.55	797.10	2732.30	5293.39

Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Luminance cd/m2 **Tabla 2/3**

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22
G 5.0	147321.58	149691.53	152339.09	155191.88	157081.21	158221.43	158001.27	157842.26	157483.92	157275.27	156911.81	155524.46	156752.66
G 10.0	135865.05	140879.42	146412.50	151747.76	156686.15	159242.94	158858.89	158014.39	156772.54	155434.55	153819.23	150018.36	150838.08
G 15.0	125030.94	133222.82	142181.41	151351.41	159621.49	164095.44	163607.21	161264.49	158137.22	154176.08	149846.71	142126.25	141429.88
G 20.0	115423.32	126823.98	139440.88	152886.14	165273.31	171756.90	171290.58	167369.12	161120.71	153653.45	145637.88	134236.79	129880.43
G 25.0	107485.81	121867.12	138233.21	156014.57	173301.20	181635.68	181151.87	176001.29	165445.55	154113.71	141803.87	127475.22	120999.05
G 30.0	99878.59	118335.32	139555.49	162550.86	185495.93	196584.22	194754.29	186991.88	171984.61	155688.36	137536.39	114793.17	104063.92
G 35.0	91506.42	116195.75	143853.76	173669.29	203111.26	218439.94	213415.44	200317.28	180995.40	157802.80	131155.44	93116.31	76485.14
G 40.0	87475.51	115775.80	150666.38	189061.25	226390.46	244367.04	236319.97	216319.34	189689.54	157223.58	119984.43	79372.34	71528.14
G 45.0	96271.24	119565.71	165355.77	215597.09	261970.54	281159.54	265471.29	234550.08	196715.46	150544.03	104773.59	76247.32	70486.49
G 50.0	101112.71	136073.02	183901.79	242879.85	296743.71	319650.81	291555.18	247926.52	194771.06	135034.97	91356.81	80481.97	76110.04
G 55.0	110079.05	154954.52	215296.92	279070.77	337302.06	354115.33	307260.47	244373.86	174252.53	112260.92	88629.86	83628.36	88835.15
G 60.0	111927.85	170030.94	245247.56	311221.91	372483.69	383016.05	310864.20	224171.55	140138.48	95756.15	86559.49	76883.17	76974.14
G 65.0	44836.53	127574.28	232029.08	316624.93	348958.73	366162.42	257395.83	162015.32	79541.87	74118.73	70013.69	40178.44	44245.27
G 70.0	6138.68	22264.87	58177.59	86956.04	71013.65	149756.33	58103.46	18306.61	22378.84	14802.93	25495.13	4225.51	4105.14
G 75.0	3607.28	4265.50	6306.81	10831.31	14358.12	21711.66	10010.03	4835.88	3733.67	3304.02	2985.24	1819.64	1424.02
G 80.0	3786.51	3294.78	3389.65	3610.32	4282.11	6940.60	4038.91	2687.06	2426.66	3010.83	2185.81	1467.72	1410.21
G 85.0	4449.57	3984.20	3952.99	4273.25	4987.46	5907.44	4519.30	3297.14	3899.44	3487.66	2327.06	1472.27	1197.87
G 90.0	4910.50	4419.64	4528.42	5028.11	5951.03	8160.18	6369.36	5444.66	4808.98	3071.36	2277.64	1559.82	1184.07

Luminaria		**Ensayo**		**Lámpara**	
Código	NE-DY-STN50W	Código	NE-DY-STN50W	Código	NE-DY-STN50W
Nombre	Farola LEDs 50W	Nombre	Farola LEDs 50W	Número	1
Familia	- GREENICE	Fecha	15-04-2015	Posición	Universal

Rendimiento	100.00%	Sist. de Coorden.	CG viales	Flujo Total	4320.74 lm
Valor Máximo	542.95 cd/klm	Posición	C=10.00 G=57.50	Sim. en los planos	270-90

Luminance cd/m2 **Tabla 3/3**

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22	160058.22
G 5.0	156920.03	153957.59	156920.03	156752.66	155524.46	156911.81	157275.27	157483.92	157842.26	158001.27
G 10.0	151785.55	149295.28	151785.55	150838.08	150018.36	153819.23	155434.55	156772.54	158014.39	158858.89
G 15.0	141158.15	139204.47	141158.15	141429.88	142126.25	149846.71	154176.08	158137.22	161264.49	163607.21
G 20.0	128139.94	123725.73	128139.94	129880.43	134236.79	145637.88	153653.45	161120.71	167369.12	171290.58
G 25.0	114738.01	102686.38	114738.01	120999.05	127475.22	141803.87	154113.71	165445.55	176001.29	181151.87
G 30.0	95515.38	80298.34	95515.38	104063.92	114793.17	137536.39	155688.36	171984.61	186991.88	194754.29
G 35.0	71950.05	64734.69	71950.05	76485.14	93116.31	131155.44	157802.80	180995.40	200317.28	213415.44
G 40.0	66700.52	64923.97	66700.52	71528.14	79372.34	119984.43	157223.58	189689.54	216319.34	236319.97
G 45.0	68008.65	68942.70	68008.65	70486.49	76247.32	104773.59	150544.03	196715.46	234550.08	265471.29
G 50.0	81004.89	90795.87	81004.89	76110.04	80481.97	91356.81	135034.97	194771.06	247926.52	291555.18
G 55.0	93793.06	92392.52	93793.06	88835.15	83628.36	88629.86	112260.92	174252.53	244373.86	307260.47
G 60.0	73358.77	54471.00	73358.77	76974.14	76883.17	86559.49	95756.15	140138.48	224171.55	310864.20
G 65.0	45145.29	19586.45	45145.29	44245.27	40178.44	70013.69	74118.73	79541.87	162015.32	257395.83
G 70.0	4033.09	4006.42	4033.09	4105.14	4225.51	25495.13	14802.93	22378.84	18306.61	58103.46
G 75.0	1969.67	2639.21	1969.67	1424.02	1819.64	2985.24	3304.02	3733.67	4835.88	10010.03
G 80.0	1387.89	1141.11	1387.89	1410.21	1467.72	2185.81	3010.83	2426.66	2687.06	4038.91
G 85.0	1077.94	1025.67	1077.94	1197.87	1472.27	2327.06	3487.66	3899.44	3297.14	4519.30
G 90.0	1140.15	974.57	1140.15	1184.07	1559.82	2277.64	3071.36	4808.98	5444.66	6369.36