

Luminaria

Código 7015001-80-3K
 Nombre PLOT HANDRAIL PS 60 500ma 80-3

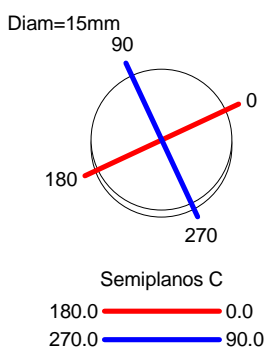
Ensayo

Código CL226A18F003G
 Nombre PLOT HANDRAIL PS 60 500ma 80-3

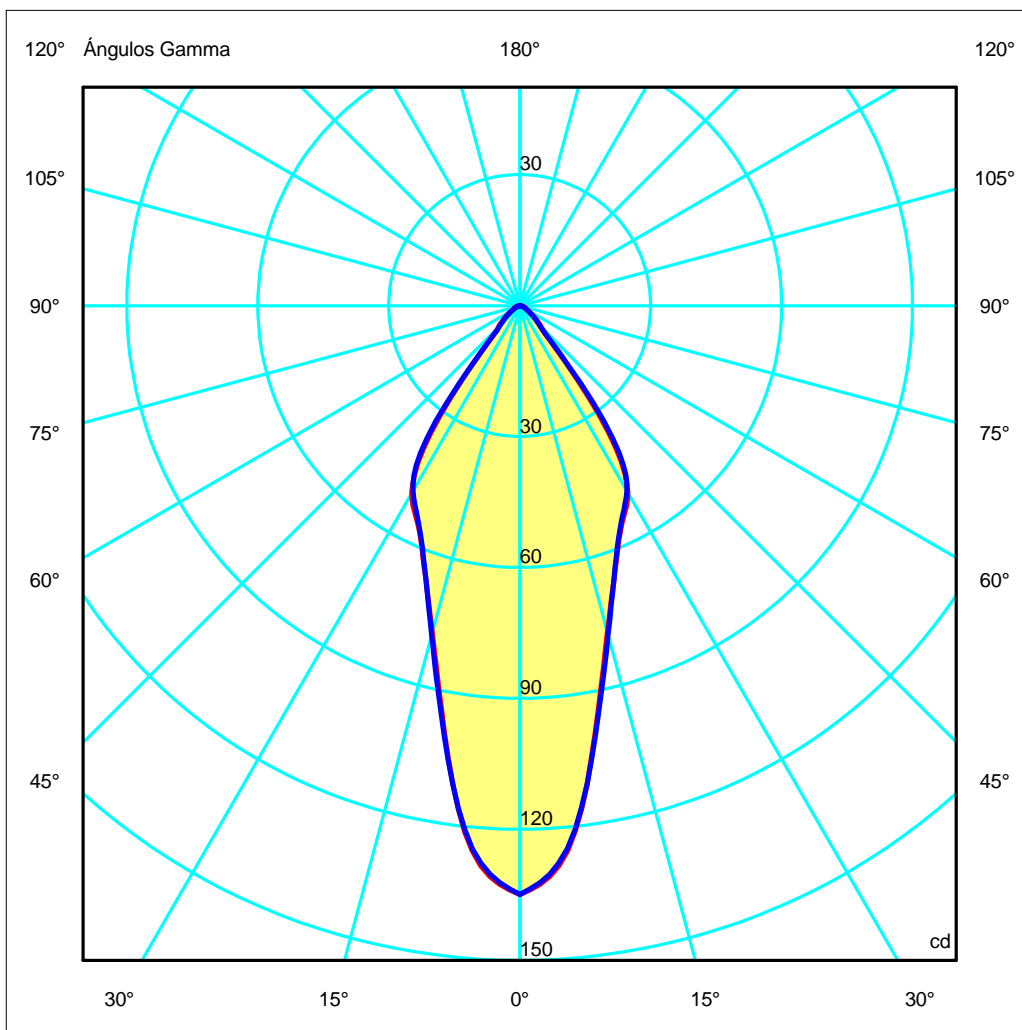
Flujo Luminaria	89.81 lm	Potencia luminaria	2.88 W	Eficacia	31.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	89.81 lm	Valor Máximo	134.91 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico
Luminaria Redonda Área Luminosa Redonda		Diam. Diam.	15 mm 9 mm	Altura Altura	15 mm 0 mm		
Área Luminosa Horizontal Área Emisión sobre Pl. 0° Área Emisión sobre Pl. 90°		0.000064 m2 0.000000 m2 0.000000 m2		Área Emisión sobre Pl. 180° Área Emisión sobre Pl. 270° Área de deslumbramiento a 76°		0.000000 m2 0.000000 m2 0.000015 m2	
Sist. de Coorden. Fecha Distancia de Ensayo		CG 17-01-2018 0.51		Tipo de Simetría Máximo Ángulo Gamma Flujo de Ensayo		Bisimétrico 90 89.81 lm	
Operador Temperatura Humedad Notas		Asselum T3 25.00 °C RM18011601.3		Tensión de alimentación [V] Corriente de alimentación [A] Fotocélula		231.00 V 0.02 A Czibula Grundmann	

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	LUXEON Z ES 3000K	LUXEON Z ES 3000K - CRI80	89.81	2.88	1
C.I.E. F UTE	90 98 100 100 100 1.00 A		D DIN 5040 B NBN	A60 BZ 1	



ULOR 0.00 %
 DLOR 100.00 %
 RN 0.00 %



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Flujo de Lámpara	89.81 lm	Valor Máximo	134.91 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Tabla de Intensidad Luminosa cd Tabla 1/1

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	134.91	134.91	134.91	134.91	134.91	134.91	134.91
G 5.0	125.39	124.83	124.39	124.48	124.30	125.14	124.84
G 10.0	99.36	98.84	97.93	97.82	98.14	99.36	99.85
G 15.0	77.54	77.09	76.29	75.96	76.71	77.43	78.16
G 20.0	63.95	63.40	62.66	62.59	62.84	63.51	63.82
G 25.0	55.24	55.09	54.46	54.21	54.25	54.70	54.87
G 30.0	49.44	49.28	48.51	48.61	48.69	48.73	48.99
G 35.0	35.46	35.00	34.14	34.60	35.20	36.34	37.15
G 40.0	13.10	13.27	13.20	13.62	13.83	13.89	14.03
G 45.0	6.91	6.69	6.50	6.54	6.31	6.37	6.36
G 50.0	4.71	4.55	4.38	4.41	4.30	4.41	4.43
G 55.0	2.97	2.96	2.89	2.83	2.79	2.86	2.85
G 60.0	1.88	1.98	1.98	1.98	1.91	1.86	1.78
G 65.0	1.38	1.46	1.52	1.60	1.42	1.25	1.21
G 70.0	1.14	1.16	1.24	1.24	1.00	0.84	0.85
G 75.0	0.55	0.59	0.69	0.71	0.58	0.46	0.46
G 80.0	0.20	0.19	0.18	0.18	0.15	0.14	0.14
G 85.0	0.07	0.07	0.06	0.05	0.05	0.05	0.04
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria

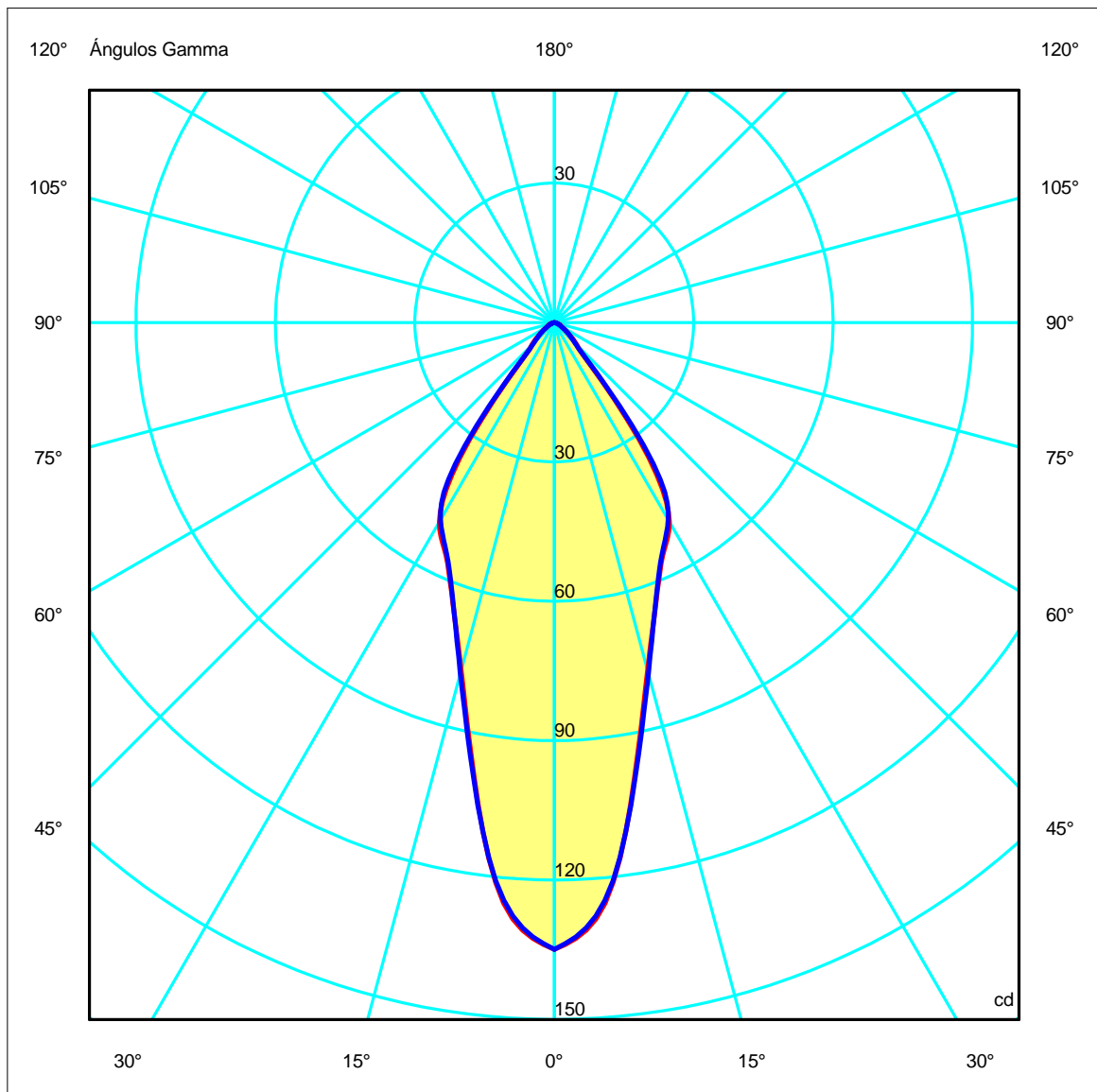
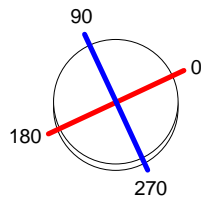
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Ensayo
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Flujo de Lámpara	89.81 lm	Valor Máximo	134.91 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=15mm

Semiplanos C

180.0 ——— 0.0
 270.0 ——— 90.0



Luminaria

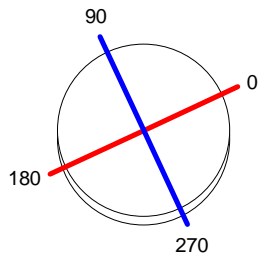
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Ensayo

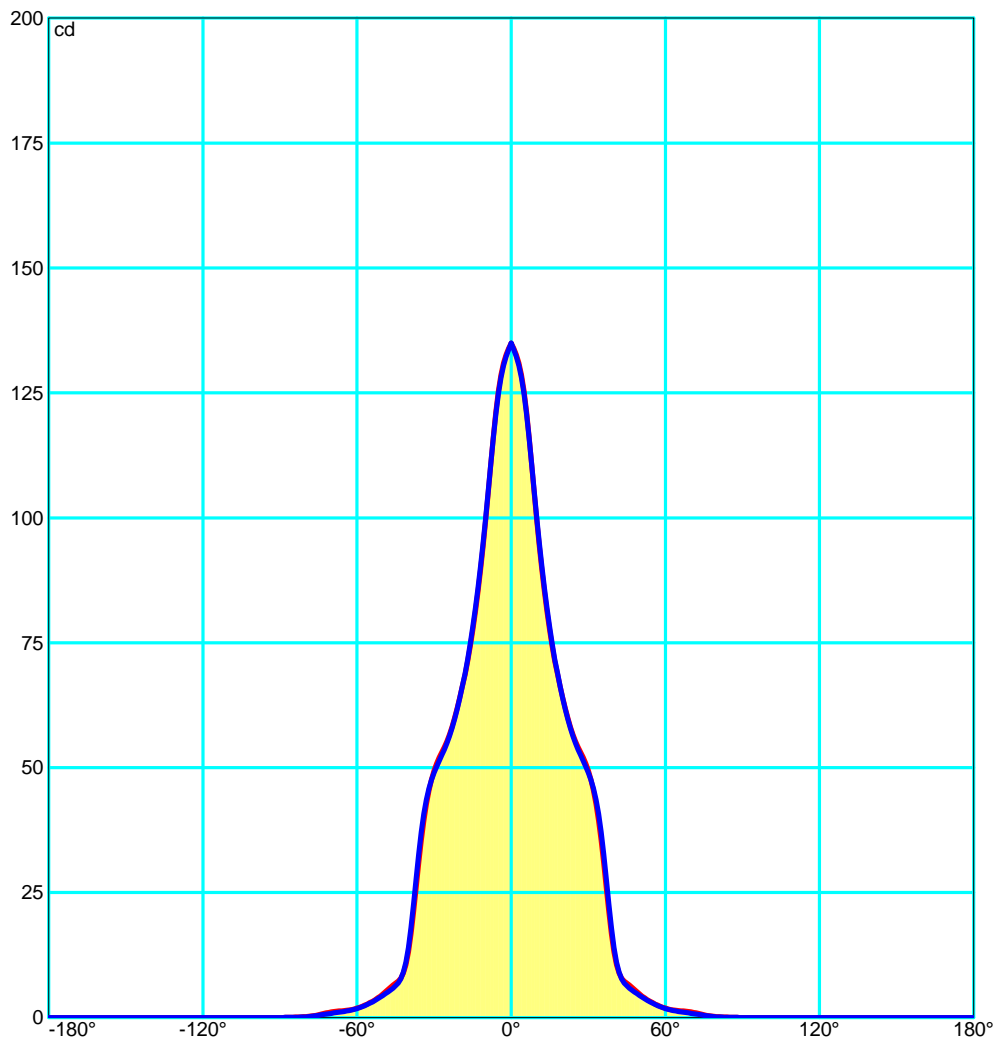
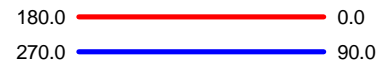
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Semiplanos C



Luminaria

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Flujo de Lámpara	89.81 lm	Valor Máximo	134.91 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

UGR
S = 0.250

Reflectancias										
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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	26.5	27.3	26.8	27.5	27.7	26.6	27.3	26.8	27.5	27.7
x=2H y=3H	26.7	27.4	27.0	27.6	27.9	26.6	27.3	26.9	27.5	27.8
x=2H y=4H	26.7	27.4	27.1	27.6	27.9	26.6	27.3	26.9	27.5	27.8
x=2H y=6H	26.7	27.3	27.0	27.6	27.9	26.5	27.1	26.9	27.4	27.7
x=2H y=8H	26.7	27.2	27.0	27.5	27.8	26.5	27.1	26.9	27.4	27.7
x=2H y=12H	26.7	27.2	27.0	27.5	27.8	26.5	27.0	26.8	27.3	27.7
x=4H y=2H	26.5	27.2	26.8	27.4	27.7	26.5	27.2	26.8	27.4	27.7
x=4H y=3H	26.8	27.4	27.2	27.7	28.0	26.7	27.2	27.0	27.5	27.9
x=4H y=4H	26.9	27.4	27.3	27.7	28.1	26.7	27.2	27.1	27.5	27.9
x=4H y=6H	26.9	27.3	27.3	27.7	28.0	26.7	27.1	27.1	27.4	27.8
x=4H y=8H	26.9	27.2	27.3	27.6	28.0	26.6	27.0	27.1	27.4	27.8
x=4H y=12H	26.9	27.2	27.3	27.6	28.0	26.6	26.9	27.1	27.3	27.7
x=8H y=4H	26.9	27.3	27.3	27.6	28.0	26.7	27.1	27.1	27.5	27.9
x=8H y=6H	26.9	27.2	27.3	27.6	28.0	26.7	27.0	27.1	27.4	27.8
x=8H y=8H	26.9	27.1	27.3	27.5	28.0	26.7	26.9	27.1	27.3	27.8
x=8H y=12H	26.8	27.0	27.3	27.5	28.0	26.6	26.8	27.1	27.3	27.8
x=12H y=4H	26.9	27.2	27.3	27.6	28.0	26.7	27.0	27.1	27.4	27.8
x=12H y=6H	26.9	27.1	27.3	27.5	28.0	26.7	26.9	27.1	27.3	27.8
x=12H y=8H	26.8	27.0	27.3	27.5	28.0	26.6	26.8	27.1	27.3	27.8

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Flujo Total= 89.81 Flujo Luminaria= 89.81

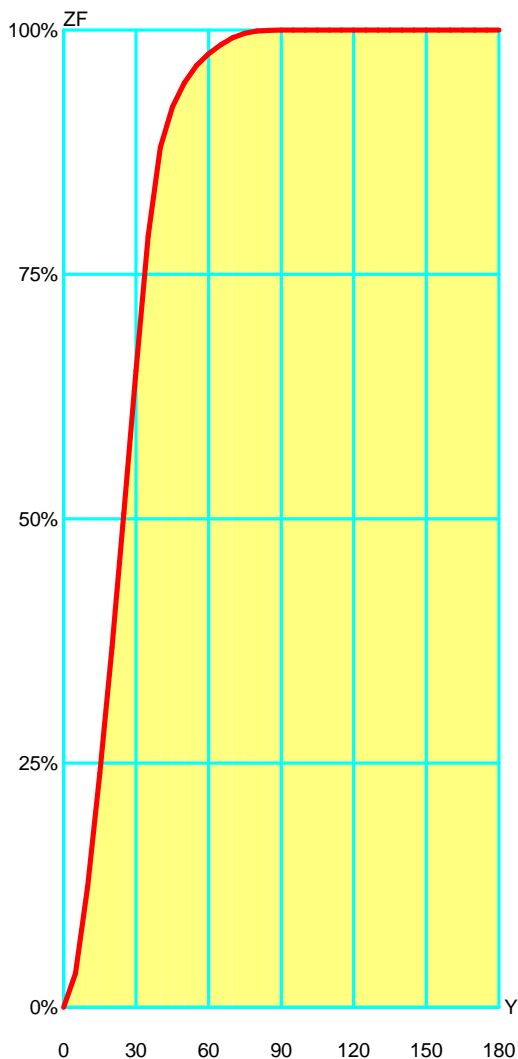
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.65	0.71	0.76	0.81	0.84	0.89	0.92	0.94	0.97	0.98	1.00	1.01
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	124	368	651	880	946	976	992	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
 90 98 100 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	100.00000 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	1.00 A	DLOR	100.00000 %
B NBN	BZ 1	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	34.56	34.56	3.46 %	3.46 %
10°	88.95	123.51	8.90 %	12.35 %
15°	115.92	239.43	11.59 %	23.94 %
20°	128.50	367.94	12.85 %	36.79 %
25°	137.54	505.47	13.75 %	50.55 %
30°	145.80	651.27	14.58 %	65.13 %
35°	137.90	789.17	13.79 %	78.92 %
40°	90.71	879.88	9.07 %	87.99 %
45°	41.38	921.26	4.14 %	92.13 %
50°	24.62	945.88	2.46 %	94.59 %
55°	17.70	963.58	1.77 %	96.36 %
60°	12.35	975.93	1.23 %	97.59 %
65°	9.06	984.99	0.91 %	98.50 %
70°	7.05	992.05	0.71 %	99.20 %
75°	4.85	996.90	0.49 %	99.69 %
80°	2.25	999.16	0.23 %	99.92 %
85°	0.67	999.83	0.07 %	99.98 %
90°	0.17	1000.00	0.02 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

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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	171	154	105	94	146	90	97	82	57	48	34	26	18	12	45	27	24	14	11	23	12	10	0	0.80	204	187	113	104	178	99	126	110	66	58	43	34	25	18	55	36	32	21	17	31	18	16	0	1.00	227	211	114	106	201	102	150	134	72	64	49	41	32	24	60	42	38	27	23	37	24	21	0	1.25	249	234	114	108	223	104	175	159	77	70	56	48	39	31	66	49	45	35	30	43	31	28	0	1.50	266	253	114	109	241	105	195	179	81	75	61	53	46	38	70	54	51	41	36	48	37	33	0	2.00	288	277	109	106	264	102	225	211	84	79	69	62	56	48	75	62	59	51	46	56	46	43	0	2.50	303	294	106	103	280	100	247	234	86	82	74	68	63	56	78	67	65	58	54	62	54	50	0	3.00	314	306	104	101	292	98	264	252	87	84	78	72	69	62	80	72	69	64	60	67	60	56	0	4.00	330	323	103	101	309	98	287	277	90	88	83	79	77	71	84	78	76	72	69	73	68	65	0	5.00	341	335	102	101	321	99	303	294	93	90	87	83	82	77	87	82	80	78	75	78	74	71	0	10.00	364	361	101	101	346	99	338	332	97	96	96	94	94	91	93	92	91	91	89	88	87	84	0	20.00	377	375	102	101	360	100	357	355	100	100	101	100	101	99	97	98	97	98	97	95	95	93	0

Pared																																																																																																																																																																																																																																																																																																																							
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P.Trab.																																																																																																																																																																																																																																																																																																																												
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LM53 SHR C0-C180: 0.555 SHR C90-C270: 0.555 SHR Superficial: 0.781

Luminaria

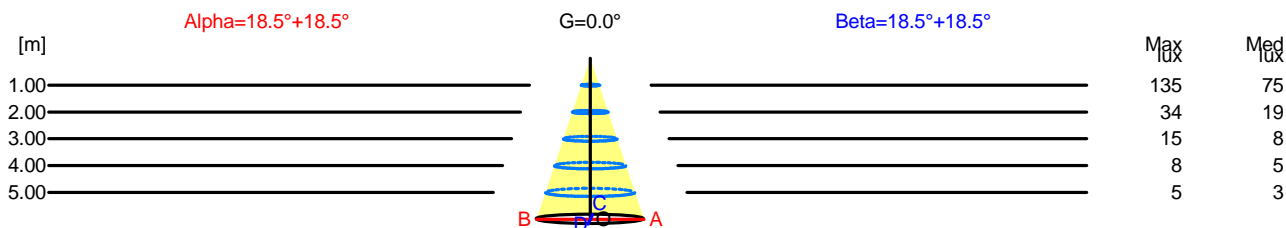
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Flujo de Lámpara	89.81 lm	Valor Máximo	134.91 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico


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	0.33	0.67	1.00	1.34	1.67	OC	0.33	0.67	1.00	1.34	1.67
OB	0.33	0.67	1.00	1.34	1.67	OD	0.33	0.67	1.00	1.34	1.67

	Intensidades Luminosas [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	134.91	125.39	77.54	55.24	35.46	6.91	2.97	1.38	0.55	0.07
OB	134.91	125.39	77.54	55.24	35.46	6.91	2.97	1.38	0.55	0.07
OC	134.91	124.84	78.16	54.87	37.15	6.36	2.85	1.21	0.46	0.04
OD	134.91	124.84	78.16	54.87	37.15	6.36	2.85	1.21	0.46	0.04



H[m]	D[m]	Max lux	Med lux	Alpha=18.5°+18.5°	G=0.0	
1.00	0.67	135	75			
2.00	1.34	34	19			
3.00	2.01	15	8			
4.00	2.68	8	5			
5.00	3.34	5	3			

H[m]	D[m]	Max lux	Med lux	Beta=18.5°+18.5°	G=0.0	
1.00	0.67	135	75			
2.00	1.34	34	19			
3.00	2.01	15	8			
4.00	2.68	8	5			
5.00	3.35	5	3			

Luminaria

Código 7015001-80-3K
 Nombre PLOT HANDRAIL PS 60 500ma 80-3
 Ensayo
 Código CL226A18F003G
 Nombre PLOT HANDRAIL PS 60 500ma 80-3

Flujo Luminaria	89.81 lm	Potencia luminaria	2.88 W	Eficacia	31.18 lm/W	Eficiencia	100.00%
Flujo de Lámpara	89.81 lm	Valor Máximo	134.91 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Isolux (Suelo)

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

