

Luminaire

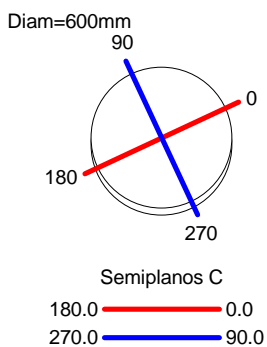
Code 4077XX/10
Name WIND LED

Measur.

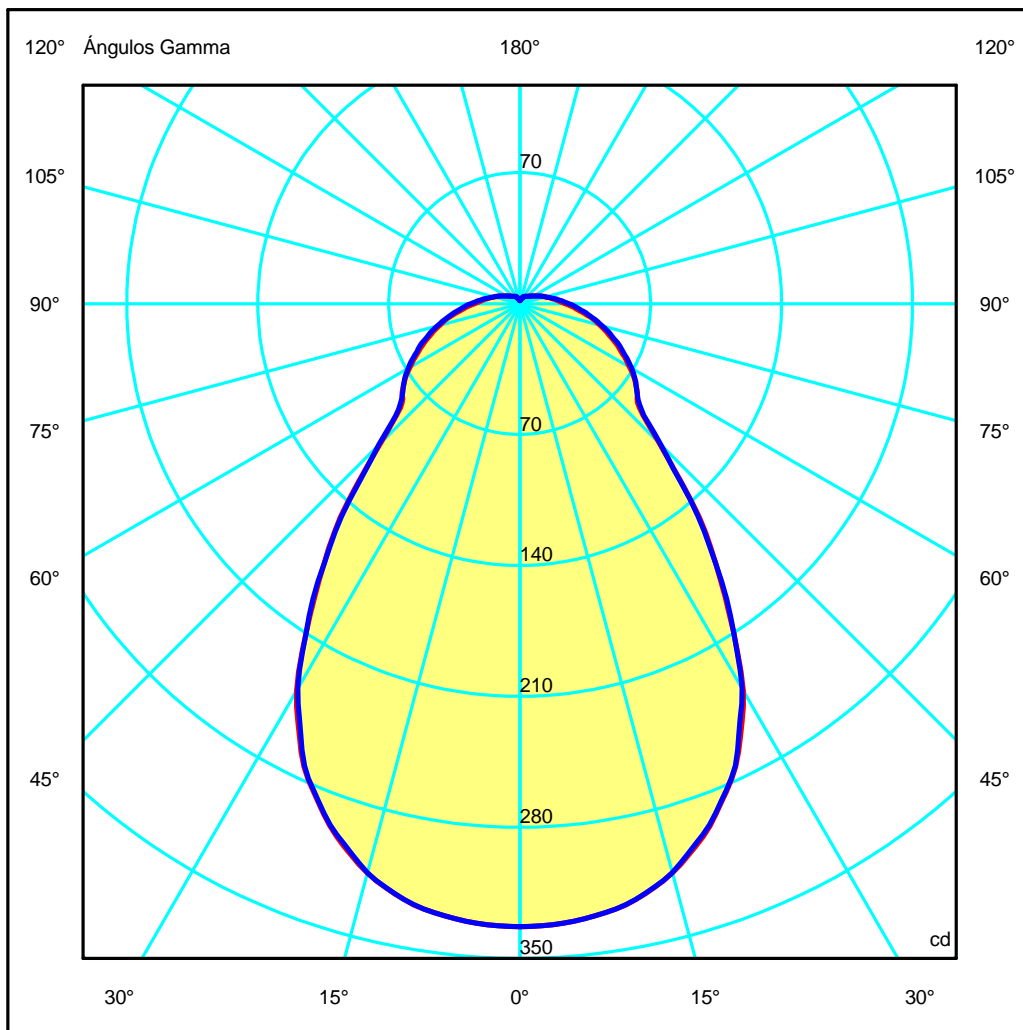
Code CL252A19F006G
Name 2700K CRI90

Luminaire Flux	724.33 lm	Luminaire Power	20.40 W	Efficacy	35.51 lm/W	Efficiency	100.00%
Sources Flux	724.33 lm	Maximum value	333.02 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	600 mm	Height	480 mm		
Round Luminous Area		Diam.	600 mm	Height	480 mm		
Horizontal Luminous Area		0.282743 m2		Emitting area on Plane 180°		0.288000 m2	
Emitting area on Plane 0°		0.288000 m2		Emitting area on Plane 270°		0.288000 m2	
Emitting area on Plane 90°		0.288000 m2		Glare area at 76°		0.347847 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		29-05-2019		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		724.33 lm	
Operator		Asselum T2		Rated Voltage		230.20 V	
Temperature		24.60 °C		Rated Current		0.10 A	
Humidity		42.20 %		Photocell		Prc	
Notes		RM19051402					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
SAMSUNG. SPMWH1228FD7		1x 5750140		Name 1x LED PLATE 25W 700mA		724.33	20.40	1
C.I.E.	57 78 92 91 100	D DIN 5040		A41				
F UTE	0.91 D + 0.09 T	B NBN		BZ 3 / 1 / BZ 4 / 3 / BZ 5				



ULOR 8.99 %
DLOR 91.01 %
RN 8.99 %



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Luminous Intensity Table cd Table 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	333	333	333	333	333	333	333
G 2.5	333	333	333	332	333	333	333
G 5.0	331	331	331	331	331	331	331
G 7.5	329	330	330	330	329	329	329
G 10.0	326	326	326	326	326	327	326
G 12.5	321	321	322	321	322	322	321
G 15.0	315	315	315	315	314	314	315
G 17.5	307	307	306	307	306	306	306
G 20.0	297	296	297	296	296	297	296
G 22.5	285	285	285	285	286	287	285
G 25.0	273	273	272	273	271	271	272
G 27.5	256	257	256	258	255	256	254
G 30.0	239	237	236	236	237	238	237
G 32.5	215	215	215	216	215	219	214
G 35.0	191	195	193	194	193	191	193
G 37.5	170	171	170	171	170	170	169
G 40.0	149	145	147	145	147	148	148
G 42.5	125	125	126	125	126	125	124
G 45.0	105	106	106	107	107	104	107
G 47.5	90	90	92	90	92	90	91
G 50.0	82	81	83	82	84	82	83
G 52.5	79	79	79	80	79	79	79
G 55.0	76	76	77	77	77	76	76
G 57.5	72	72	73	73	74	73	73
G 60.0	68	69	69	69	70	69	69
G 62.5	64	65	65	66	65	64	65
G 65.0	59	61	61	62	62	61	61
G 67.5	56	56	57	57	57	57	57
G 70.0	51	52	53	53	54	54	53
G 72.5	48	49	49	50	50	49	50
G 75.0	44	45	45	46	46	46	45
G 77.5	41	41	41	42	42	42	42
G 80.0	37	37	38	38	39	39	38
G 82.5	33	34	34	35	35	35	35
G 85.0	30	30	31	32	32	32	32
G 87.5	27	27	28	29	29	29	29
G 90.0	24	25	26	26	26	26	26
G 92.5	22	23	23	24	24	24	24
G 95.0	20	20	21	22	22	22	21
G 97.5	18	19	19	20	20	20	19
G100.0	17	17	18	18	18	17	17
G102.5	15	16	16	16	16	16	15
G105.0	14	14	15	15	15	14	14
G107.5	13	13	13	13	13	13	13
G110.0	12	12	12	12	12	12	12
G112.5	11	11	11	11	11	11	11
G115.0	10	10	10	10	10	10	10
G117.5	9	9	9	9	9	9	9
G120.0	8	9	9	8	8	8	8
G122.5	8	8	8	8	8	8	7
G125.0	7	7	7	7	7	7	7
G127.5	7	7	7	7	6	7	6
G130.0	6	6	6	6	6	6	6
G132.5	6	6	6	6	6	6	6
G135.0	6	6	6	6	5	5	6
G137.5	5	5	5	5	5	5	5
G140.0	5	5	5	5	5	5	5
G142.5	5	5	5	5	5	5	5
G145.0	5	5	5	5	5	5	5
G147.5	5	4	4	4	4	4	4
G150.0	4	4	4	4	4	4	4
G152.5	4	4	4	4	4	4	4
G155.0	4	4	4	4	4	4	4
G157.5	3	3	3	3	3	3	3
G160.0	3	3	3	3	3	3	3
G162.5	3	3	3	3	3	3	3
G165.0	3	3	3	3	3	3	3
G167.5	2	2	2	2	2	2	2
G170.0	2	2	2	2	2	2	2
G172.5	2	2	2	2	2	2	2
G175.0	2	2	2	2	2	2	2
G177.5	2	2	2	2	2	2	2
G180.0	2	2	2	2	2	2	2

Luminaire

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Name WIND LED

Measurem.

Code CL252A19F006G
Name 2700K CRI90

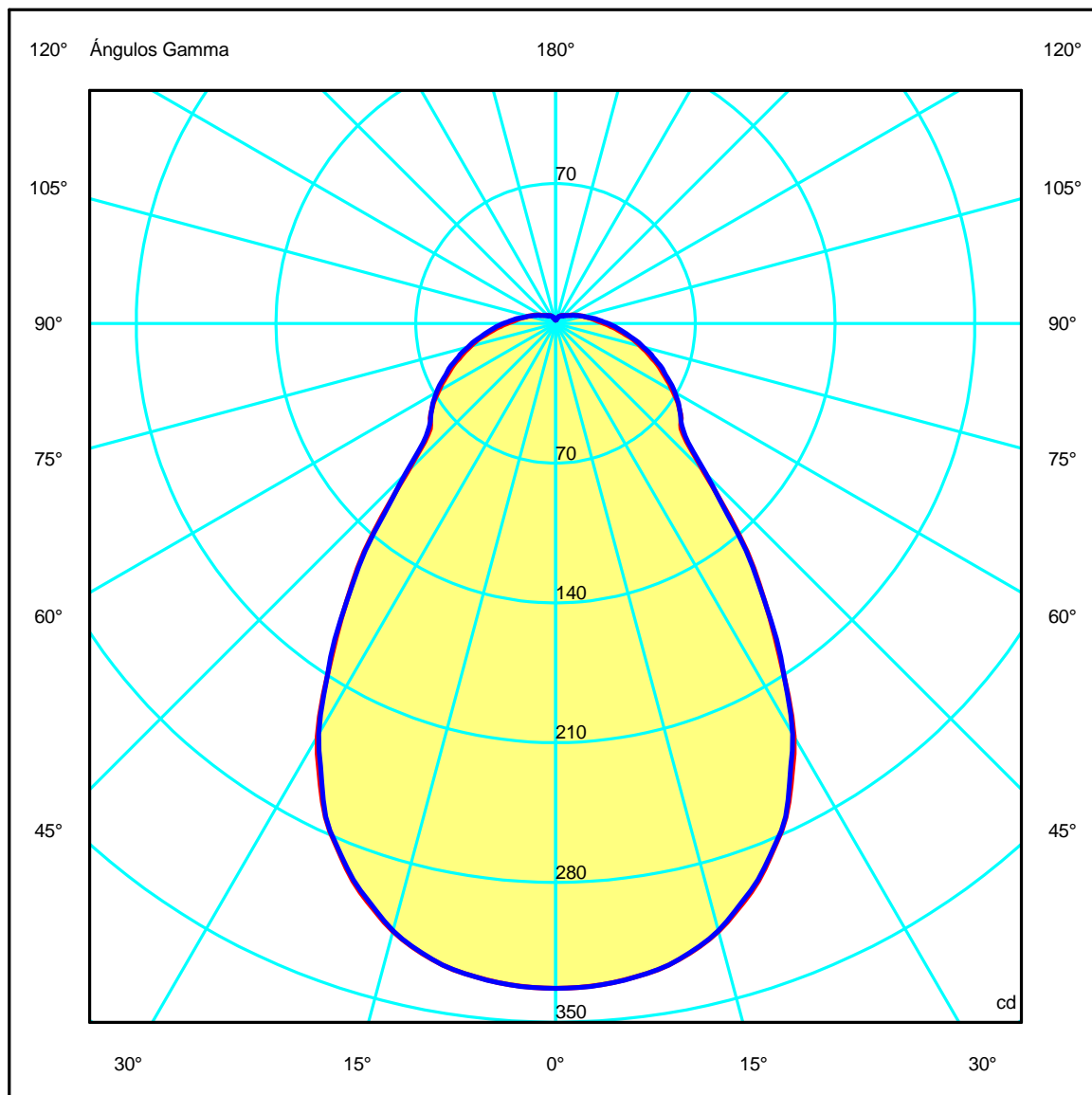
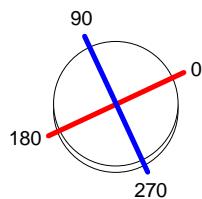
Luminaire Flux	724.33 lm	Luminaire Power	20.40 W	Efficacy	35.51 lm/W	Efficiency	100.00%
Sources Flux	724.33 lm	Maximum value	333.02 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=600mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



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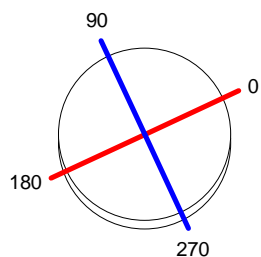
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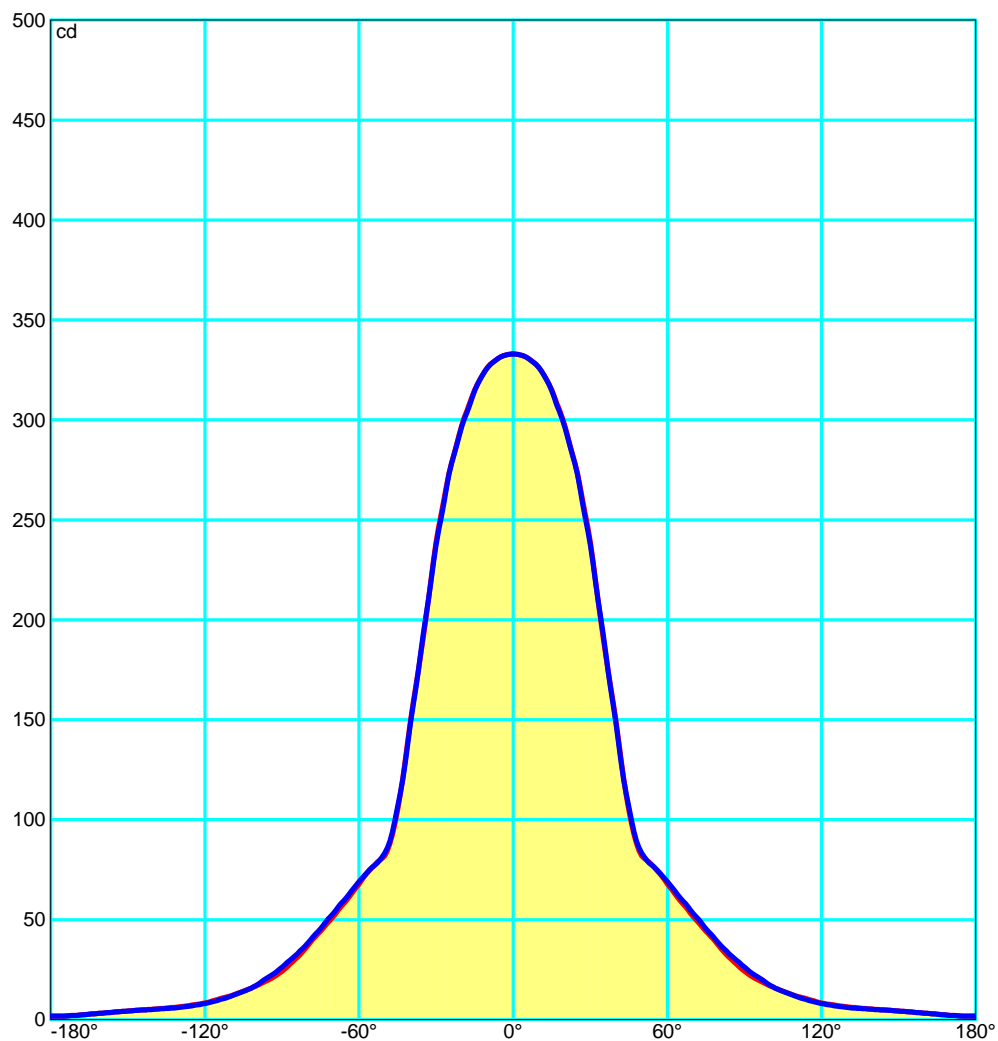
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Flujo Total=724.33 Flujo Luminaria=724.33

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	0.40	0.46	0.53	0.58	0.63	0.70	0.75	0.79	0.83	0.86	0.92	0.96
RC	3	4	4	4	4	4	4	5	5	5	5	5

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)	43	166	337	503	619	713	796	863	910	942	964	977	986	992	996	999	1000	1000

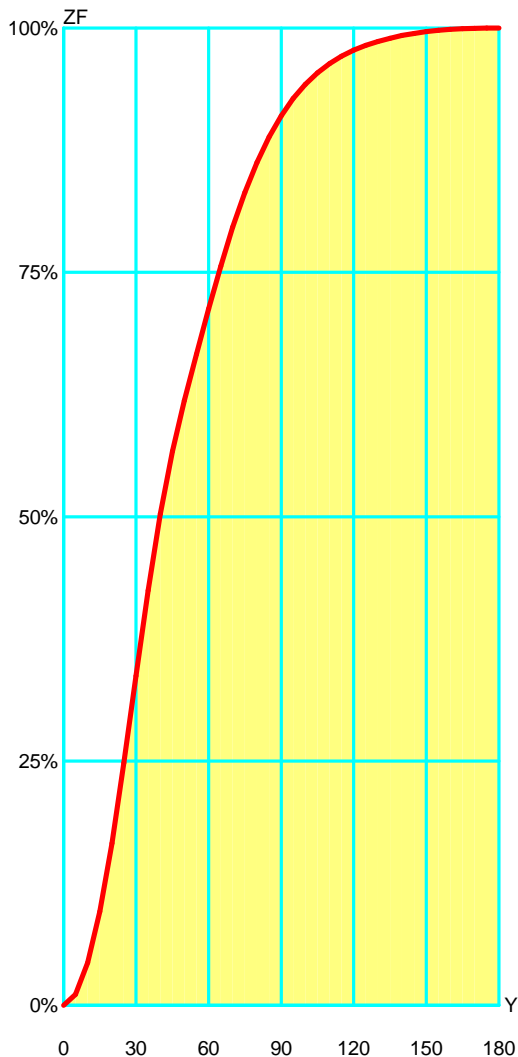
Códigos de Flujo C.I.E.

57 78 92 91 100

C.I.E.
D DIN 5040
F UTE
B NBN
RN
BLF

3/4/4/4/4/4/5/5/5/5
A41
0.91 D + 0.09 T
BZ 3 / 1 / BZ 4 / 3 / BZ 5
8.98633 %
1.0

LOR 100.00000 %
ULOR 8.98633 %
DLOR 91.01367 %
UFF 8.98633 %
DFF 91.01367 %
FFR 9.87361 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	10.97	10.97	1.10 %	1.10 %
10°	32.49	43.46	3.25 %	4.35 %
15°	52.54	95.99	5.25 %	9.60 %
20°	69.59	165.58	6.96 %	16.56 %
25°	82.43	248.01	8.24 %	24.80 %
30°	89.13	337.14	8.91 %	33.71 %
35°	87.45	424.59	8.75 %	42.46 %
40°	78.20	502.79	7.82 %	50.28 %
45°	64.24	567.03	6.42 %	56.70 %
50°	51.59	618.62	5.16 %	61.86 %
55°	47.69	666.31	4.77 %	66.63 %
60°	46.47	712.79	4.65 %	71.28 %
65°	43.56	756.35	4.36 %	75.63 %
70°	39.83	796.18	3.98 %	79.62 %
75°	35.53	831.71	3.55 %	83.17 %
80°	30.83	862.54	3.08 %	86.25 %
85°	26.07	888.60	2.61 %	88.86 %
90°	21.53	910.14	2.15 %	91.01 %
95°	17.70	927.84	1.77 %	92.78 %
100°	14.47	942.31	1.45 %	94.23 %
105°	11.77	954.08	1.18 %	95.41 %
110°	9.56	963.64	0.96 %	96.36 %
115°	7.70	971.33	0.77 %	97.13 %
120°	6.16	977.49	0.62 %	97.75 %
125°	4.91	982.40	0.49 %	98.24 %
130°	3.96	986.36	0.40 %	98.64 %
135°	3.26	989.61	0.33 %	98.96 %
140°	2.72	992.34	0.27 %	99.23 %
145°	2.24	994.58	0.22 %	99.46 %
150°	1.79	996.37	0.18 %	99.64 %
155°	1.37	997.73	0.14 %	99.77 %
160°	0.99	998.72	0.10 %	99.87 %
165°	0.65	999.37	0.07 %	99.94 %
170°	0.38	999.76	0.04 %	99.98 %
175°	0.19	999.94	0.02 %	99.99 %
180°	0.06	1000.00	0.01 %	100.00 %

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Sources Flux	724.33 lm	Maximum value	333.02 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	5.3	6.4	5.7	6.8	7.2	5.3	6.4	5.8	6.8	7.2
x=2H y=3H	6.7	7.8	7.2	8.2	8.6	6.8	7.8	7.3	8.2	8.7
x=2H y=4H	7.4	8.4	7.9	8.8	9.3	7.5	8.5	8.0	8.9	9.4
x=2H y=6H	8.1	9.0	8.6	9.4	9.9	8.2	9.1	8.7	9.5	10.0
x=2H y=8H	8.4	9.2	8.9	9.7	10.2	8.5	9.4	9.0	9.8	10.3
x=2H y=12H	8.6	9.4	9.1	9.9	10.4	8.8	9.6	9.3	10.1	10.6
x=4H y=2H	5.9	6.9	6.4	7.3	7.8	6.0	6.9	6.4	7.3	7.8
x=4H y=3H	7.6	8.4	8.1	8.9	9.4	7.7	8.5	8.2	9.0	9.5
x=4H y=4H	8.5	9.2	9.0	9.7	10.2	8.5	9.3	9.1	9.8	10.3
x=4H y=6H	9.2	9.9	9.8	10.4	11.0	9.4	10.0	9.9	10.5	11.1
x=4H y=8H	9.6	10.2	10.2	10.7	11.3	9.7	10.4	10.3	10.9	11.5
x=4H y=12H	9.9	10.5	10.5	11.0	11.7	10.1	10.6	10.7	11.2	11.8
x=8H y=4H	8.8	9.4	9.4	10.0	10.6	8.9	9.5	9.5	10.1	10.7
x=8H y=6H	9.8	10.3	10.4	10.9	11.5	9.9	10.4	10.5	11.0	11.7
x=8H y=8H	10.3	10.7	10.9	11.3	12.0	10.5	10.9	11.1	11.5	12.1
x=8H y=12H	10.8	11.2	11.4	11.8	12.5	11.0	11.3	11.6	11.9	12.6
x=12H y=4H	8.9	9.4	9.5	10.0	10.6	9.0	9.5	9.6	10.1	10.7
x=12H y=6H	10.0	10.4	10.6	11.0	11.6	10.1	10.5	10.7	11.1	11.8
x=12H y=8H	10.5	10.9	11.1	11.5	12.2	10.6	11.0	11.3	11.6	12.3

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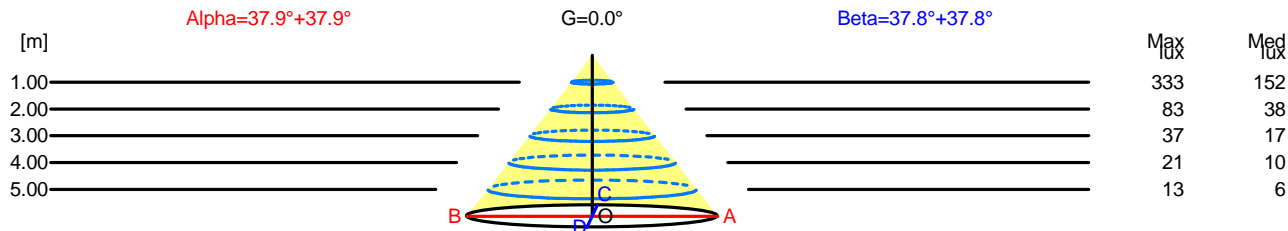
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Sources Flux	724.33 lm	Maximum value	333.02 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

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	0.78	1.56	2.34	3.12	3.90	OC	0.78	1.55	2.33	3.10	3.88
OB	0.78	1.56	2.34	3.12	3.90	OD	0.78	1.55	2.33	3.10	3.88

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	333.02	331.35	315.10	273.06	191.22	104.99	75.80	59.36	44.13	30.03
OB	333.02	331.35	315.10	273.06	191.22	104.99	75.80	59.36	44.13	30.03
OC	333.02	331.39	314.81	272.47	192.93	106.65	75.97	60.77	45.46	31.75
OD	333.02	331.39	314.81	272.47	192.93	106.65	75.97	60.77	45.46	31.75



H[m]	D[m]	Max lux	Med lux	Alpha=37.9°+37.9°	G=0.0	
1.00	1.56	333	152			
2.00	3.12	83	38			
3.00	4.68	37	17			
4.00	6.24	21	10			
5.00	7.79	13	6			

H[m]	D[m]	Max lux	Med lux	Beta=37.8°+37.8°	G=0.0	
1.00	1.55	333	152			
2.00	3.10	83	38			
3.00	4.66	37	17			
4.00	6.21	21	10			
5.00	7.76	13	6			

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Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m

