Luminaire

Code	36401324312
Name	Nit/60/R Outdoor
Line	OxyTech

Measurem.

Code	CL092A24D010GP
Name	Nit/60/R Outdoor

Source Data

Code	SPMWH1228MD7WAWUVK	Correlated Color Temperature (CCT)	0K	Q.ty	1
Name	SAMSUNG LM281B+Pro	Color rendering index (CRI)	0		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	09-10-2024	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	132.6 lm
Maximum	547.28 cd/klm	Position	C=0.0° G=0.0°
Remarks	RM24070805		

Electrical Parameters

Channel 1		Channel 2	
Voltage	0.00 V	Voltage	0.00 V
Current	0.00 A	Current	0.00 A
Power	0.00 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.00	Power Factor	0.00

Environmental Parameters

Temperature	25.4 °C	Air Speed	0.0 m/s
Humidity	47.2 %		

Luminaire Dimensions

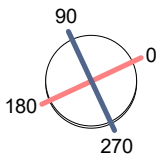
Round Luminaire	Diam.	600 mm	Height	30 mm	
Round Luminous Area	Diam.	160 mm	Height	0 mm	
Horizontal Luminous Area		0.020106 m2	Emitting area on Plane 180°		0.000000 m2
Emitting area on Plane 0°		0.000000 m2	Emitting area on Plane 270°		0.000000 m2
Emitting area on Plane 90°		0.000000 m2	Glare area at 76°		0.004864 m2

Photometric Assessment

Luminaire Flux	132.6 lm	Source Flux	132.6 lm
Efficacy	0.000 lm/W	Efficiency	100.0 %
CIE Flux Codes	60 82 94 100 100	D DIN 5040	A40
F UTE	1.00 D	B NBN	BZ 2 / 0.6 / BZ 3 / 2 / BZ 4

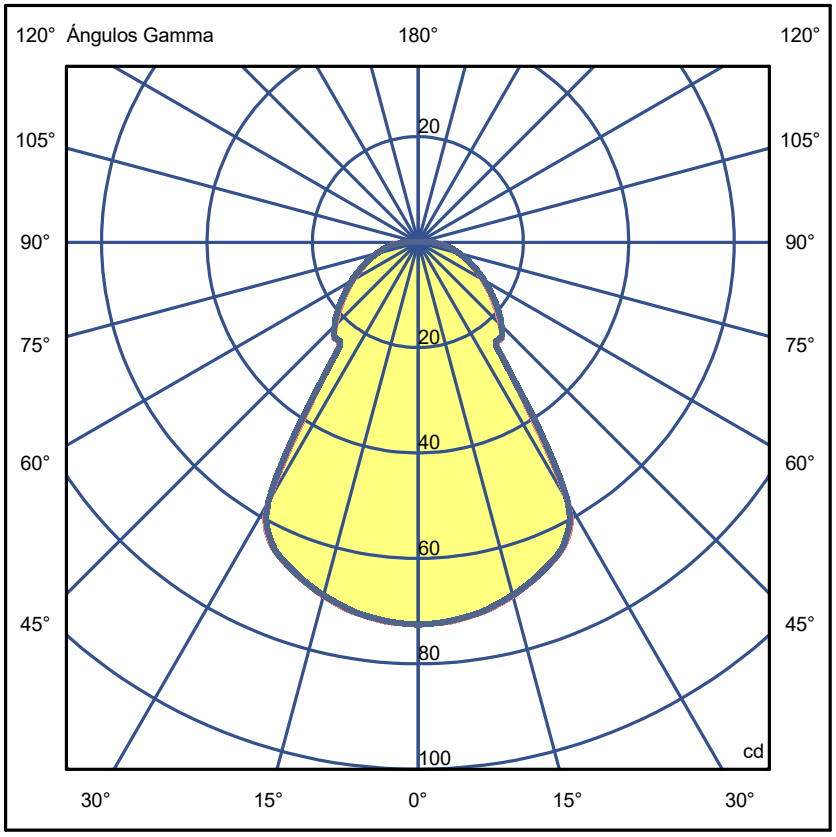


Diam=600mm





ULOR 0.26 %
DLOR 99.74 %
RN 0.26 %



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Luminaire Flux	133 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	133 lm	Maximum value	72.55 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

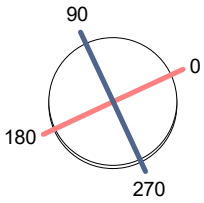
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	73	73	73	73	73	73	73
G 2.5	72	72	72	72	72	72	72
G 5.0	72	72	72	72	72	72	72
G 7.5	72	72	72	72	72	72	72
G 10.0	71	71	71	71	71	71	71
G 12.5	70	70	70	70	70	70	70
G 15.0	69	69	69	69	69	69	69
G 17.5	68	68	68	68	68	68	68
G 20.0	67	67	67	67	67	67	67
G 22.5	66	66	66	66	66	66	66
G 25.0	64	64	64	64	64	64	64
G 27.5	62	62	62	62	61	62	62
G 30.0	57	56	57	57	56	56	57
G 32.5	43	44	45	44	42	43	45
G 35.0	31	31	33	31	30	30	32
G 37.5	24	24	25	23	23	22	24
G 40.0	24	23	24	22	23	23	24
G 42.5	24	22	24	22	23	22	24
G 45.0	22	21	22	20	21	21	22
G 47.5	21	20	21	19	20	19	21
G 50.0	19	18	19	18	19	18	20
G 52.5	18	17	18	17	18	17	18
G 55.0	17	16	17	16	16	16	17
G 57.5	15	15	15	14	15	15	16
G 60.0	14	14	14	13	14	13	15
G 62.5	13	13	13	12	13	12	13
G 65.0	12	11	12	11	12	11	12
G 67.5	11	10	11	10	11	10	11
G 70.0	10	9	10	9	10	9	10
G 72.5	9	9	9	9	9	8	9
G 75.0	8	8	8	8	8	8	8
G 77.5	7	7	7	7	7	7	7
G 80.0	6	6	6	6	6	6	6
G 82.5	5	5	5	5	5	5	5
G 85.0	4	4	4	4	4	4	4
G 87.5	4	3	3	3	3	3	3
G 90.0	3	3	3	3	3	2	3
G 92.5	0	0	0	0	0	0	0
G 95.0	0	0	0	0	0	0	0
G 97.5	0	0	0	0	0	0	0
G100.0	0	0	0	0	0	0	0
G102.5	0	0	0	0	0	0	0
G105.0	0	0	0	0	0	0	0
G107.5	0	0	0	0	0	0	0
G110.0	0	0	0	0	0	0	0
G112.5	0	0	0	0	0	0	0
G115.0	0	0	0	0	0	0	0
G117.5	0	0	0	0	0	0	0
G120.0	0	0	0	0	0	0	0
G122.5	0	0	0	0	0	0	0
G125.0	0	0	0	0	0	0	0
G127.5	0	0	0	0	0	0	0
G130.0	0	0	0	0	0	0	0
G132.5	0	0	0	0	0	0	0
G135.0	0	0	0	0	0	0	0
G137.5	0	0	0	0	0	0	0
G140.0	0	0	0	0	0	0	0
G142.5	0	0	0	0	0	0	0
G145.0	0	0	0	0	0	0	0
G147.5	0	0	0	0	0	0	0
G150.0	0	0	0	0	0	0	0
G152.5	0	0	0	0	0	0	0
G155.0	0	0	0	0	0	0	0
G157.5	0	0	0	0	0	0	0
G160.0	0	0	0	0	0	0	0
G162.5	0	0	0	0	0	0	0
G165.0	0	0	0	0	0	0	0
G167.5	0	0	0	0	0	0	0
G170.0	0	0	0	0	0	0	0
G172.5	0	0	0	0	0	0	0
G175.0	0	0	0	0	0	0	0
G177.5	0	0	0	0	0	0	0
G180.0	0	0	0	0	0	0	0

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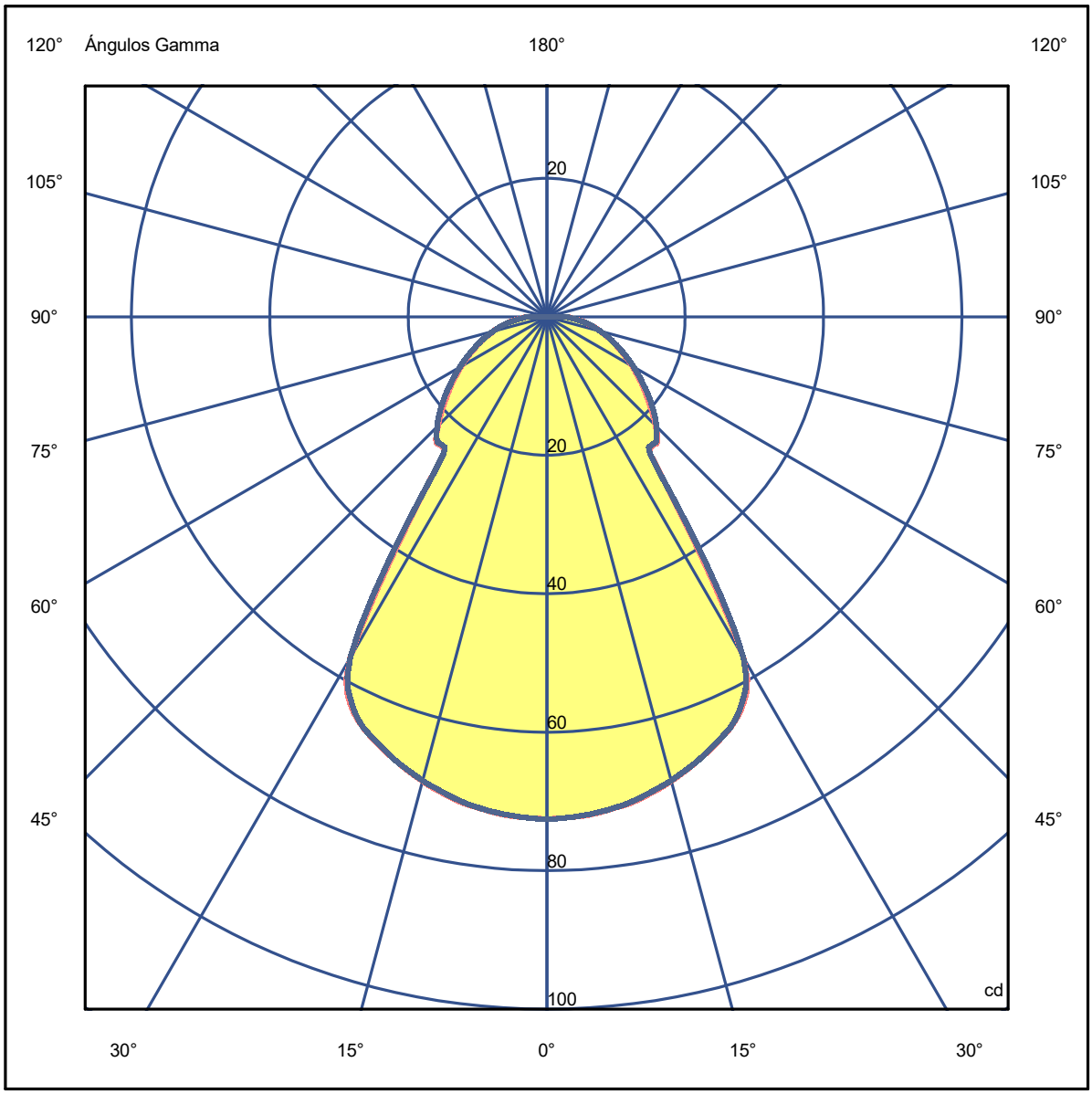
Luminaire Flux	133 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	133 lm	Maximum value	72.55 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=600mm



Semiplanos C





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Name Nit/60/R Outdoor

Luminaire Flux	133 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	133 lm	Maximum value	72.55 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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	12.7	13.9	13.0	14.1	14.3	12.7	13.8	12.9	14.0	14.3
x=2H y=3H	14.5	15.5	14.8	15.8	16.1	14.4	15.4	14.7	15.7	16.0
x=2H y=4H	15.4	16.4	15.7	16.6	16.9	15.3	16.3	15.6	16.6	16.8
x=2H y=6H	16.3	17.2	16.6	17.5	17.8	16.2	17.1	16.6	17.4	17.7
x=2H y=8H	16.7	17.6	17.1	17.9	18.3	16.7	17.6	17.0	17.9	18.2
x=2H y=12H	17.2	18.1	17.6	18.4	18.7	17.1	18.0	17.5	18.3	18.6
x=4H y=2H	13.4	14.4	13.7	14.7	15.0	13.4	14.4	13.7	14.6	14.9
x=4H y=3H	15.4	16.3	15.8	16.6	16.9	15.4	16.2	15.7	16.6	16.9
x=4H y=4H	16.5	17.2	16.9	17.6	17.9	16.4	17.2	16.8	17.5	17.9
x=4H y=6H	17.5	18.2	18.0	18.6	19.0	17.5	18.2	17.9	18.5	18.9
x=4H y=8H	18.1	18.7	18.5	19.1	19.5	18.0	18.7	18.5	19.1	19.5
x=4H y=12H	18.7	19.3	19.2	19.7	20.1	18.6	19.2	19.1	19.6	20.0
x=8H y=4H	16.9	17.5	17.3	17.9	18.3	16.9	17.5	17.3	17.9	18.3
x=8H y=6H	18.2	18.7	18.7	19.2	19.6	18.2	18.7	18.7	19.1	19.6
x=8H y=8H	18.9	19.4	19.4	19.8	20.3	18.9	19.3	19.4	19.8	20.3
x=8H y=12H	19.7	20.1	20.2	20.6	21.1	19.6	20.0	20.1	20.5	21.0
x=12H y=4H	17.0	17.6	17.4	18.0	18.4	17.0	17.5	17.4	17.9	18.4
x=12H y=6H	18.4	18.8	18.9	19.3	19.8	18.4	18.8	18.8	19.3	19.7
x=12H y=8H	19.2	19.6	19.7	20.0	20.5	19.1	19.5	19.6	20.0	20.5

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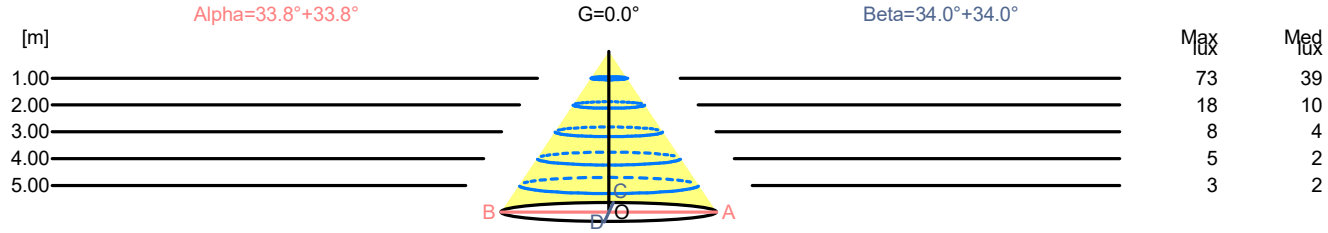
Luminaire Flux	133 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	133 lm	Maximum value	72.55 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.67	1.34	2.01	2.68	3.35	OC	0.68	1.35	2.03	2.70	3.38
OB	0.67	1.34	2.01	2.68	3.35	OD	0.68	1.35	2.03	2.70	3.38

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	72.55	72.17	69.43	64.40	31.25	22.18	16.71	11.93	8.01	4.46
OB	72.55	72.17	69.43	64.40	31.25	22.18	16.71	11.93	8.01	4.46
OC	72.55	72.07	69.33	64.31	31.53	22.39	17.05	12.13	8.01	4.29
OD	72.55	72.07	69.33	64.31	31.53	22.39	17.05	12.13	8.01	4.29



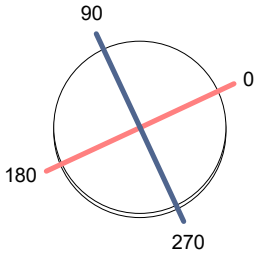
H[m]	D[m]	Max lux	Med lux	Alpha=33.8°+33.8° G=0.0
1.00	1.34	73	39	
2.00	2.68	18	10	
3.00	4.02	8	4	
4.00	5.36	5	2	
5.00	6.70	3	2	

H[m]	D[m]	Max lux	Med lux	Beta=34.0°+34.0° G=0.0
1.00	1.35	73	39	
2.00	2.70	18	10	
3.00	4.05	8	4	
4.00	5.40	5	2	
5.00	6.75	3	2	

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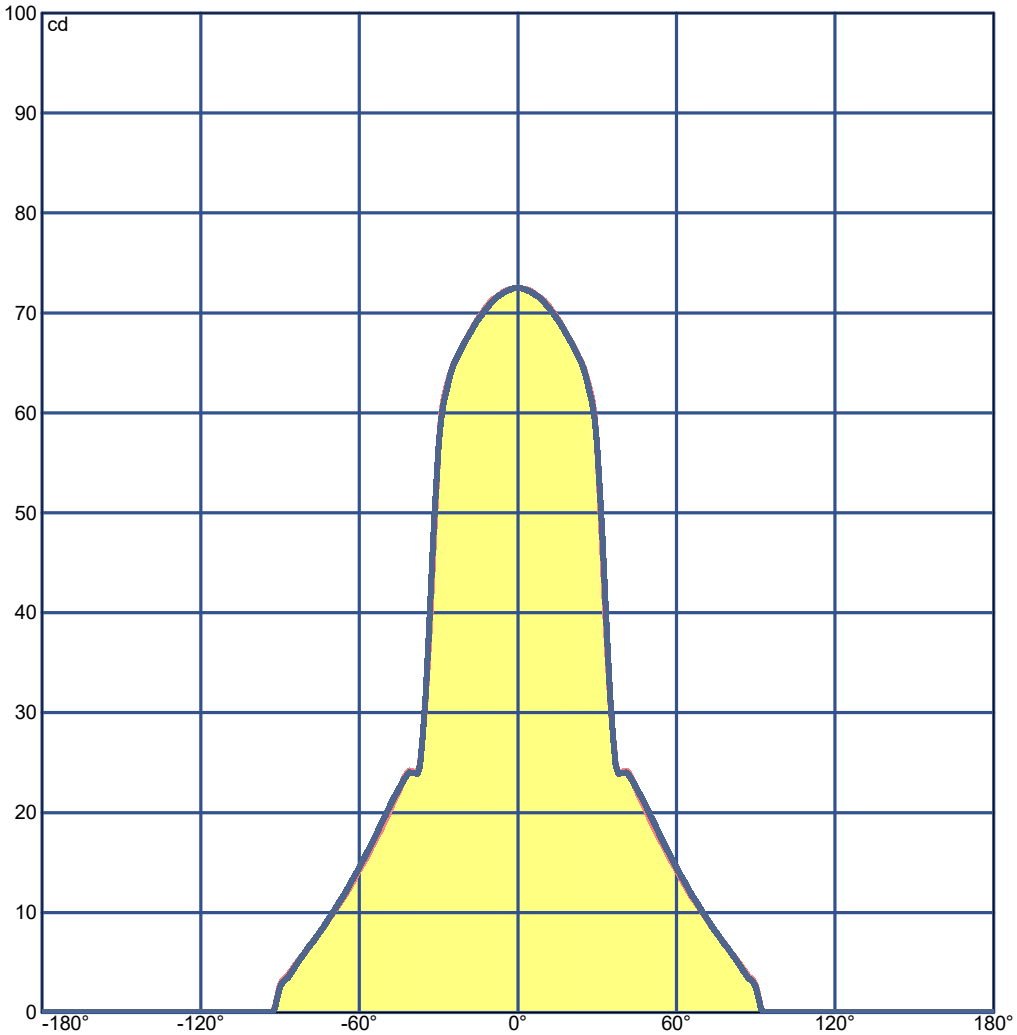
Luminaire Flux	133 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	133 lm	Maximum value	72.55 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=600mm



Semiplanos C





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Luminaire Flux	133 lm	Luminaire Power	0.0 W	Efficacy	---	Efficiency	100.00%
Source Flux	133 lm	Maximum value	72.55 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=132.56 Flujo Luminaria=132.56

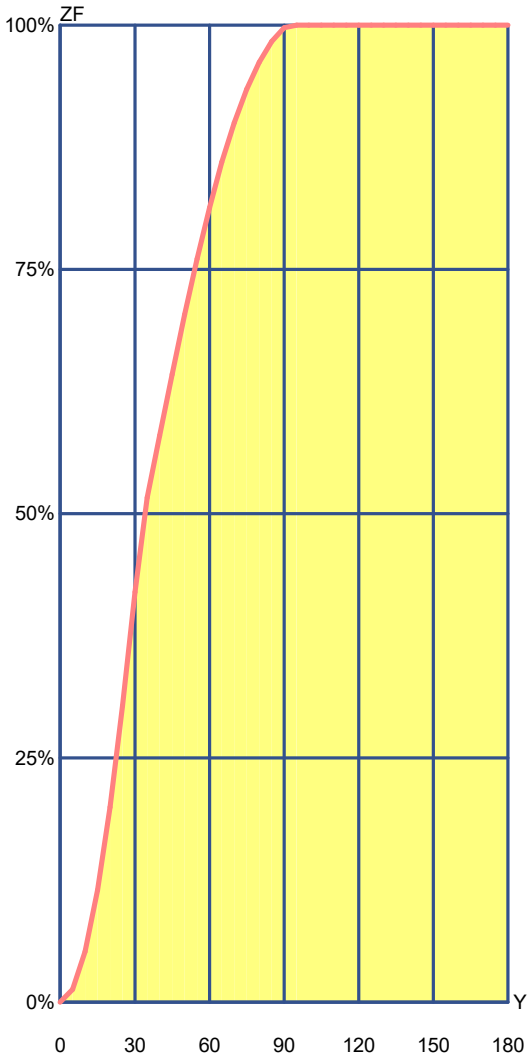
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.42	0.49	0.55	0.61	0.65	0.73	0.77	0.81	0.85	0.88	0.94	0.97
RC	3	3	3	3	4	4	4	4	4	4	4	3

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)	52	199	420	580	704	813	900	962	997	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
60 82 94 100 100

C.I.E.	3/3/3/3/4/4/4/4/4/4/4/3	LOR	100.00000 %
D DIN 5040	A40	ULOR	0.26305 %
F UTE	1.00 D	DLOR	99.73695 %
B NBN	BZ 2 / 0.6 / BZ 3 / 2 / BZ 4	UFF	0.26305 %
RN	0.26305 %	DFF	99.73695 %
BLF	1.0	FFR	0.26375 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	13.04	13.04	1.30 %	1.30 %
10°	38.64	51.68	3.86 %	5.17 %
15°	62.85	114.53	6.28 %	11.45 %
20°	84.88	199.40	8.49 %	19.94 %
25°	104.07	303.47	10.41 %	30.35 %
30°	116.37	419.84	11.64 %	41.98 %
35°	96.63	516.47	9.66 %	51.65 %
40°	63.51	579.98	6.35 %	58.00 %
45°	62.63	642.61	6.26 %	64.26 %
50°	61.09	703.70	6.11 %	70.37 %
55°	57.18	760.88	5.72 %	76.09 %
60°	52.18	813.06	5.22 %	81.31 %
65°	46.53	859.60	4.65 %	85.96 %
70°	40.47	900.06	4.05 %	90.01 %
75°	34.21	934.27	3.42 %	93.43 %
80°	27.79	962.06	2.78 %	96.21 %
85°	21.19	983.25	2.12 %	98.33 %
90°	14.12	997.37	1.41 %	99.74 %
95°	2.63	1000.00	0.26 %	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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Source Flux	133 lm	Maximum value	72.55 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

