

Luminaire

Code 2634XX/23
Name STRUCTURAL

Measurem.

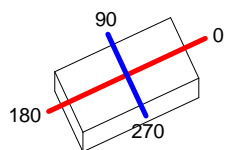
Code CL252A19F016G
Name 3000K CRI90

Luminaire Flux	3126.51 lm	Luminaire Power	42.18 W	Efficacy	74.12 lm/W	Efficiency	100.00%
Sources Flux	3126.51 lm	Maximum value	1320.72 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire		Length	240 mm	Width	460 mm	Height	135 mm
Rectangular Luminous Area		Length	225 mm	Width	445 mm	Height	0 mm
Horizontal Luminous Area		0.100125 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°		0.024222 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		11-06-2019		Maximum Gamma Angle		90	
Measurement Distance		6.44		Measurement Flux		3126.51 lm	
Operator		Asselum T2		Rated Voltage		230.15 V	
Temperature		24.80 °C		Rated Current		0.20 A	
Humidity		46.10 %		Photocell		Prc	
Notes		RM19060601					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
SAMSUNG LM281B+ SG VM		2x 5751947		2x 5751947		3126.51	42.18	1
C.I.E.	53 84 97	100 100		D DIN 5040		A40		
F UTE	1.00 D			B NBN		BZ 4		



240mm x 460mm



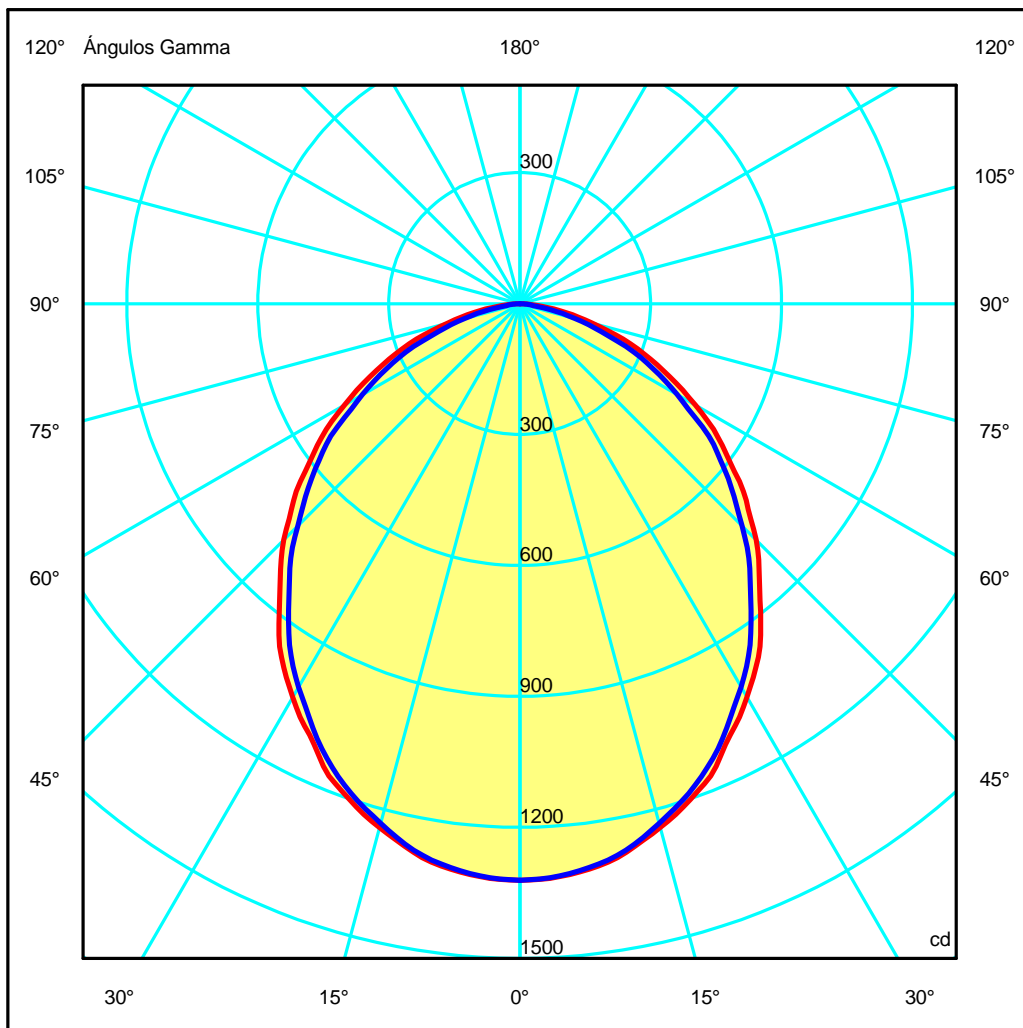
Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %

DLOR 100.00 %

RN 0.00 %



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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	1321	1321	1321	1321	1321	1321	1321
G 2.5	1319	1318	1319	1318	1318	1318	1318
G 5.0	1313	1312	1312	1312	1311	1311	1311
G 7.5	1303	1302	1302	1301	1300	1299	1299
G 10.0	1289	1288	1288	1286	1283	1283	1284
G 12.5	1265	1265	1266	1264	1260	1257	1260
G 15.0	1243	1241	1240	1237	1235	1232	1232
G 17.5	1218	1216	1213	1210	1208	1205	1204
G 20.0	1189	1188	1185	1180	1177	1175	1174
G 22.5	1160	1156	1151	1146	1142	1141	1139
G 25.0	1114	1114	1110	1104	1100	1094	1099
G 27.5	1079	1075	1069	1062	1058	1055	1054
G 30.0	1041	1038	1030	1022	1017	1015	1014
G 32.5	1001	995	989	980	975	972	972
G 35.0	959	955	945	934	929	927	923
G 37.5	906	899	890	879	872	866	870
G 40.0	855	854	838	831	823	820	821
G 42.5	811	804	792	782	775	768	775
G 45.0	765	749	744	736	726	724	720
G 47.5	713	704	696	680	677	677	670
G 50.0	669	658	645	633	625	621	623
G 52.5	613	611	593	586	576	573	575
G 55.0	566	556	546	533	527	516	528
G 57.5	519	500	492	482	472	469	466
G 60.0	464	454	443	426	421	417	416
G 62.5	413	406	392	379	369	365	368
G 65.0	362	356	341	331	323	318	322
G 67.5	317	306	292	280	273	264	273
G 70.0	270	253	242	229	224	220	216
G 72.5	219	208	195	182	177	174	173
G 75.0	171	166	152	140	133	129	131
G 77.5	130	123	110	102	96	91	93
G 80.0	94	83	73	64	59	52	56
G 82.5	57	47	41	32	29	27	27
G 85.0	29	22	18	14	14	14	15
G 87.5	9	7	6	6	6	6	7
G 90.0	2	2	2	2	1	1	1

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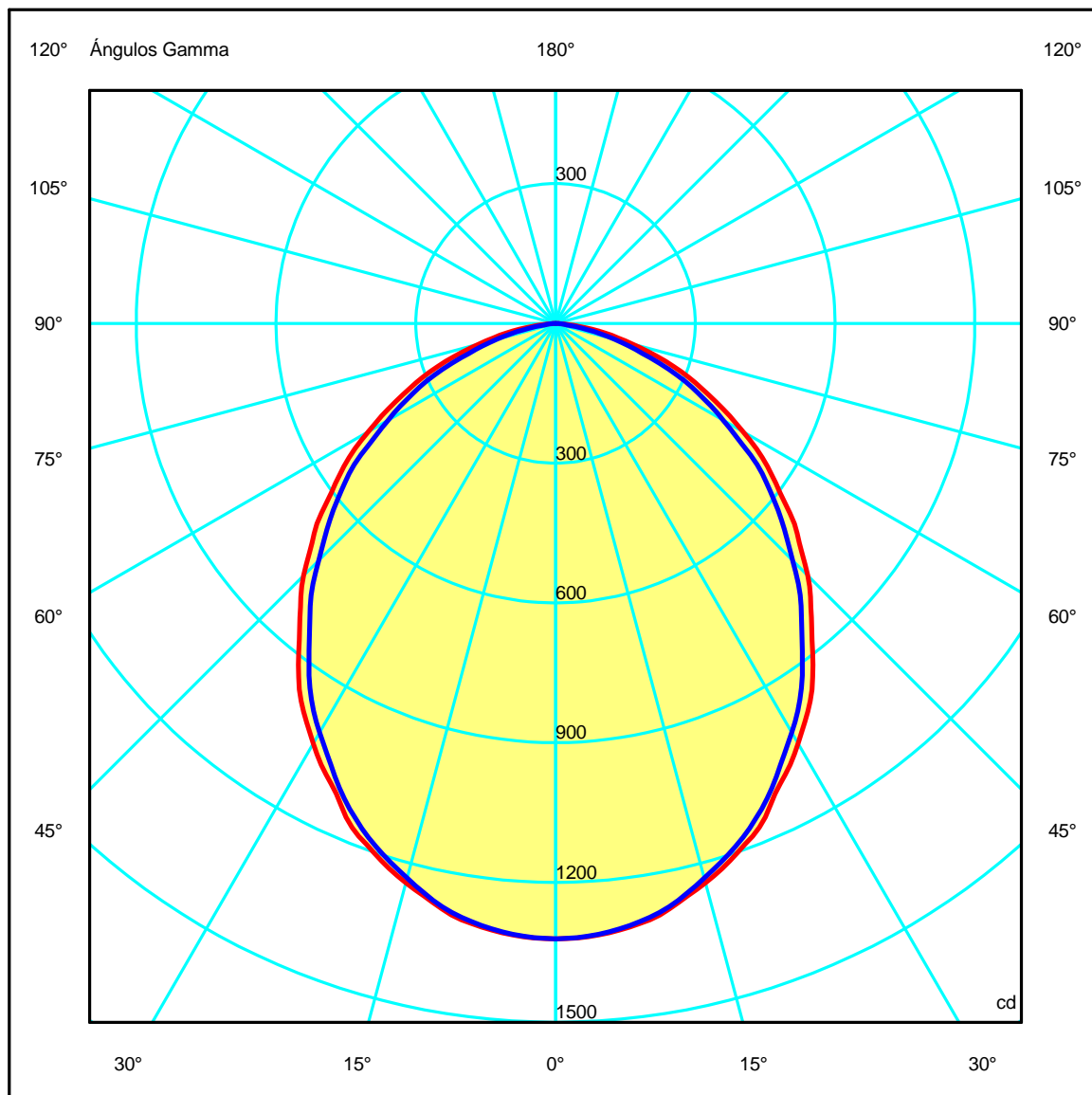
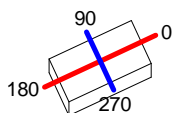
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Sources Flux	3126.51 lm	Maximum value	1320.72 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

240mm x 460mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



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Sources Flux	3126.51 lm	Maximum value	1320.72 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	20.3	21.5	20.6	21.7	22.0	19.8	21.1	20.1	21.3	21.5
x=2H y=3H	21.7	22.8	22.0	23.0	23.3	21.0	22.1	21.3	22.4	22.7
x=2H y=4H	22.2	23.2	22.5	23.5	23.8	21.4	22.4	21.7	22.7	23.0
x=2H y=6H	22.5	23.4	22.8	23.7	24.0	21.5	22.5	21.9	22.8	23.1
x=2H y=8H	22.5	23.5	22.9	23.8	24.1	21.5	22.5	21.9	22.8	23.1
x=2H y=12H	22.5	23.4	22.9	23.8	24.1	21.5	22.4	21.9	22.7	23.1
x=4H y=2H	20.9	21.9	21.2	22.2	22.5	20.5	21.6	20.9	21.9	22.2
x=4H y=3H	22.4	23.3	22.8	23.6	23.9	21.9	22.7	22.2	23.1	23.4
x=4H y=4H	23.0	23.8	23.4	24.1	24.5	22.3	23.1	22.7	23.4	23.8
x=4H y=6H	23.4	24.1	23.8	24.4	24.8	22.5	23.2	22.9	23.6	24.0
x=4H y=8H	23.5	24.1	23.9	24.5	24.9	22.5	23.1	22.9	23.5	24.0
x=4H y=12H	23.5	24.1	24.0	24.5	24.9	22.5	23.1	23.0	23.5	23.9
x=8H y=4H	23.1	23.8	23.6	24.2	24.6	22.5	23.1	22.9	23.5	24.0
x=8H y=6H	23.6	24.1	24.1	24.6	25.0	22.8	23.3	23.2	23.7	24.2
x=8H y=8H	23.7	24.2	24.2	24.6	25.1	22.8	23.3	23.3	23.7	24.2
x=8H y=12H	23.8	24.2	24.3	24.7	25.2	22.8	23.2	23.3	23.7	24.2
x=12H y=4H	23.1	23.7	23.6	24.1	24.5	22.5	23.1	23.0	23.5	23.9
x=12H y=6H	23.6	24.1	24.1	24.5	25.0	22.8	23.2	23.3	23.7	24.2
x=12H y=8H	23.7	24.1	24.2	24.6	25.1	22.8	23.2	23.3	23.7	24.2

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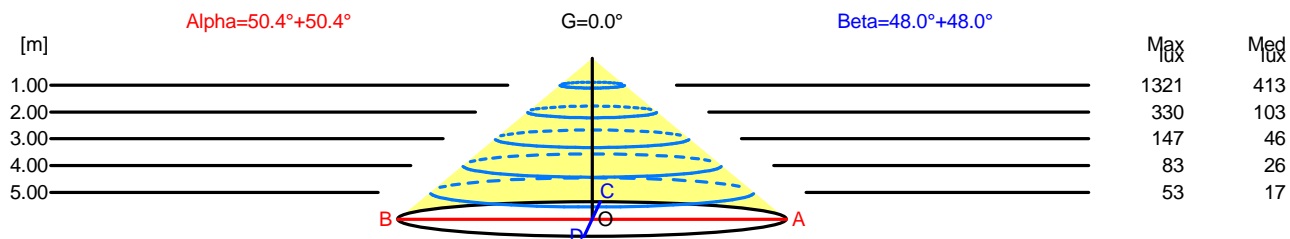
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Sources Flux	3126.51 lm	Maximum value	1320.72 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.21	2.42	3.63	4.83	6.04	OC	1.11	2.22	3.33	4.45	5.56
OB	1.21	2.42	3.63	4.83	6.04	OD	1.11	2.22	3.33	4.45	5.56

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	1320.72	1312.69	1242.57	1114.18	959.07	765.23	566.31	362.33	170.73	28.80
OB	1320.72	1312.69	1242.57	1114.18	959.07	765.23	566.31	362.33	170.73	28.80
OC	1320.72	1310.63	1232.16	1099.22	922.65	719.70	528.29	321.68	131.09	15.45
OD	1320.72	1310.63	1232.16	1099.22	922.65	719.70	528.29	321.68	131.09	15.45



H[m]	D[m]	Max lux	Med lux	Alpha=50.4°+50.4°	G=0.0	
1.00	2.42	1321	413			
2.00	4.83	330	103			
3.00	7.25	147	46			
4.00	9.67	83	26			
5.00	12.08	53	17			

H[m]	D[m]	Max lux	Med lux	Beta=48.0°+48.0°	G=0.0	
1.00	2.22	1321	413			
2.00	4.45	330	103			
3.00	6.67	147	46			
4.00	8.89	83	26			
5.00	11.11	53	17			

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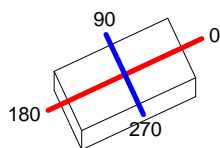
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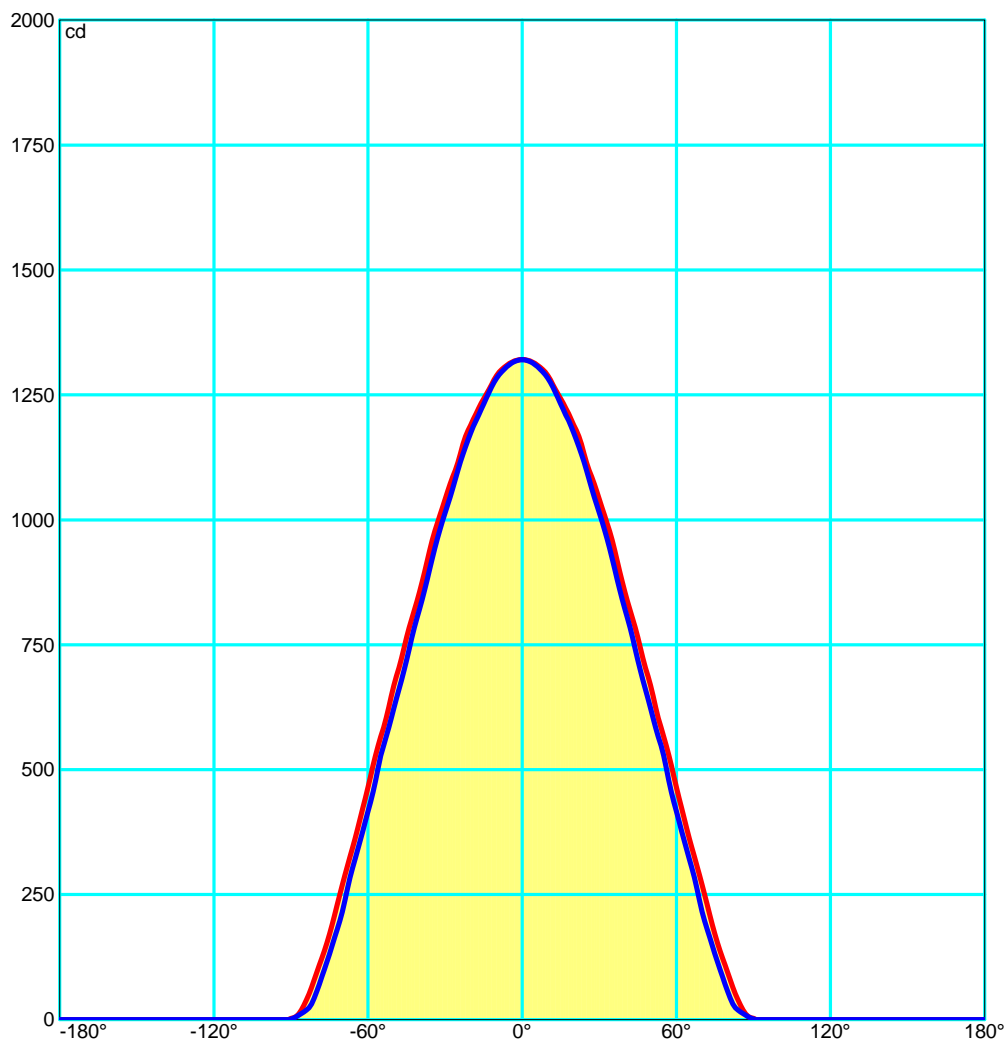
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Flujo Total=3126.51 Flujo Luminaria=3126.51

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	0.35	0.43	0.51	0.58	0.63	0.72	0.77	0.81	0.86	0.88	0.94	0.97
RC	4	4	4	4	4	4	4	4	4	4	3	3

Flujo Zonal por 1000 Lúmenes

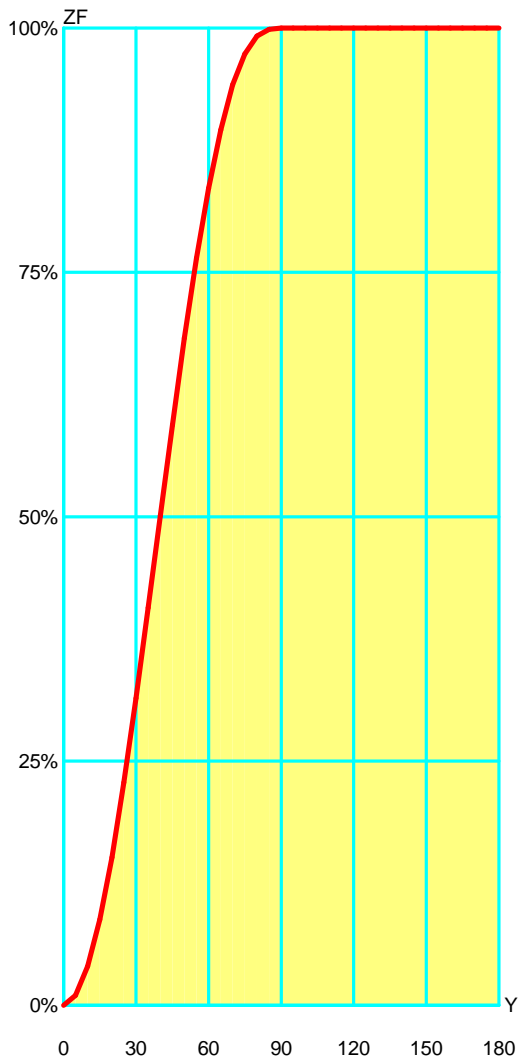
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	40	151	314	501	683	836	942	992	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

53 84 97 100 100

C.I.E. 4/4/4/4/4/4/4/4/3/3
D DIN 5040 A40
F UTE 1.00 D
B NBN BZ 4
RN 0.00000 %
BLF 1.0

LOR 100.00000 %
ULOR 0.00000 %
DLOR 100.00000 %
UFF 0.00000 %
DFF 100.00000 %
FFR 0.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	10.06	10.06	1.01 %	1.01 %
10°	29.72	39.78	2.97 %	3.98 %
15°	47.84	87.62	4.78 %	8.76 %
20°	63.72	151.35	6.37 %	15.13 %
25°	76.76	228.11	7.68 %	22.81 %
30°	86.11	314.22	8.61 %	31.42 %
35°	92.46	406.68	9.25 %	40.67 %
40°	94.30	500.98	9.43 %	50.10 %
45°	92.97	593.95	9.30 %	59.39 %
50°	88.80	682.75	8.88 %	68.27 %
55°	81.76	764.50	8.18 %	76.45 %
60°	71.67	836.17	7.17 %	83.62 %
65°	59.66	895.83	5.97 %	89.58 %
70°	46.13	941.96	4.61 %	94.20 %
75°	31.64	973.60	3.16 %	97.36 %
80°	18.13	991.74	1.81 %	99.17 %
85°	6.86	998.59	0.69 %	99.86 %
90°	1.41	1000.00	0.14 %	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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Isolux (Floor)

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

