

**Luminaire**

Code 2630XX/23  
Name STRUCTURAL

**Measurem.**

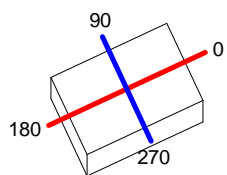
Code CL252A19F014G  
Name 3000K CRI90

Luminaire Flux	565.65 lm	Luminaire Power	11.05 W	Efficacy	51.19 lm/W	Efficiency	100.00%
Sources Flux	565.65 lm	Maximum value	270.71 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire Rectangular Luminous Area	Length Length	120 mm 113 mm	Width Width	180 mm 173 mm	Height Height	210 mm 0 mm	
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.019549 m2 0.000000 m2 0.000000 m2	Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.000000 m2 0.000000 m2 0.004729 m2			
Coordinate system Date Measurement Distance	CG 11-06-2019 6.44	Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 90 565.65 lm			
Operator Temperature Humidity Notes	Asselum T2 24.40 °C 46.10 % RM19060602.1	Rated Voltage Rated Current Photocell		230.19 V 0.15 A Prc			

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
SAMSUNG LM281B+ SG VM		1x 5751946		Name 1x 5751946		565.65	11.05	1
C.I.E.	56 86 98 100 100			D DIN 5040 B NBN		A40 BZ 3		
F UTE	1.00 D							



120mm x 180mm



Semiplanos C

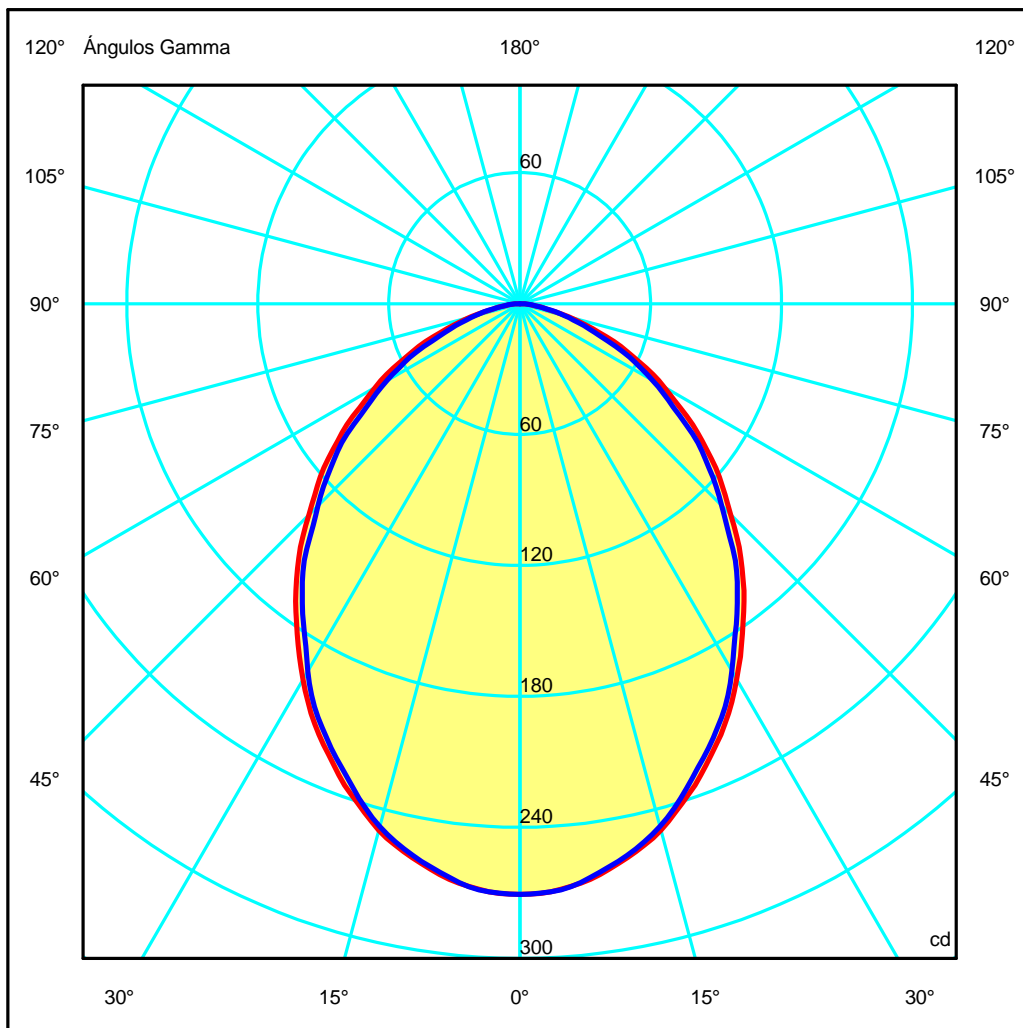
180.0 — 0.0

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	271	271	271	271	271	271	271
G 2.5	270	270	270	270	270	270	270
G 5.0	268	268	268	268	268	268	268
G 7.5	265	265	265	265	265	265	264
G 10.0	260	261	260	260	260	260	260
G 12.5	256	255	255	255	254	253	254
G 15.0	250	249	248	248	248	247	248
G 17.5	242	242	241	240	240	240	240
G 20.0	235	234	233	232	231	232	231
G 22.5	226	226	224	223	223	224	223
G 25.0	218	217	216	214	214	213	214
G 27.5	209	208	205	205	204	203	205
G 30.0	199	198	196	194	194	194	194
G 32.5	189	188	187	183	183	184	183
G 35.0	178	178	175	173	172	175	174
G 37.5	169	167	165	163	163	161	164
G 40.0	158	157	154	153	152	151	154
G 42.5	148	146	144	142	141	141	141
G 45.0	137	136	134	130	129	132	131
G 47.5	127	126	122	120	119	121	121
G 50.0	117	115	112	110	109	109	111
G 52.5	106	105	101	100	98	99	101
G 55.0	97	94	92	89	89	89	89
G 57.5	85	85	82	78	78	80	79
G 60.0	76	75	71	69	69	70	70
G 62.5	67	65	62	60	60	59	61
G 65.0	57	56	52	51	50	50	52
G 67.5	48	46	44	41	41	42	42
G 70.0	39	38	36	33	32	34	34
G 72.5	31	29	27	26	26	26	27
G 75.0	23	22	20	19	19	20	21
G 77.5	15	15	14	13	14	15	16
G 80.0	11	10	10	9	10	11	10
G 82.5	7	7	6	6	6	7	7
G 85.0	4	4	4	4	4	4	4
G 87.5	2	2	2	2	2	2	2
G 90.0	0	0	0	0	0	0	0

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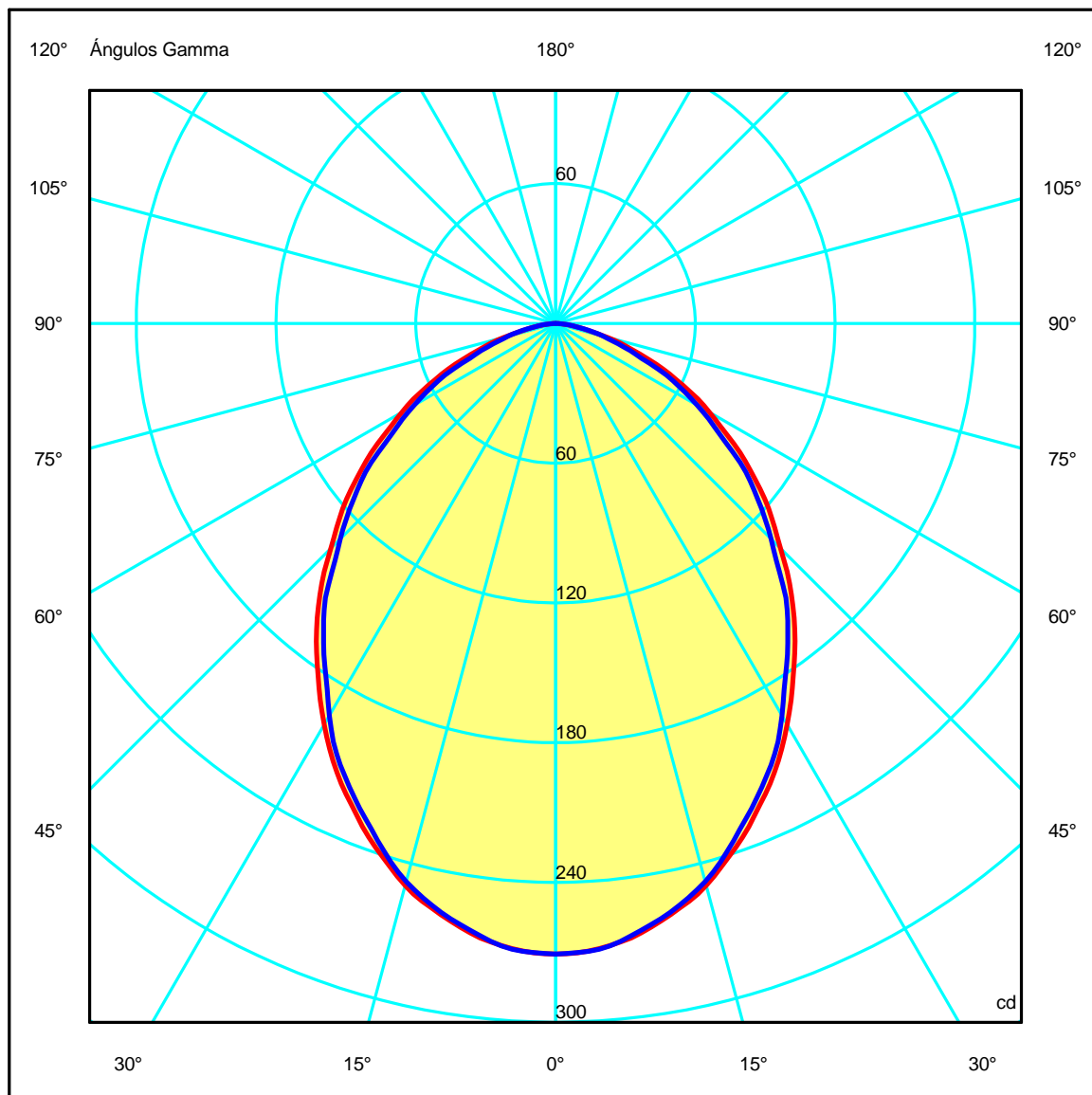
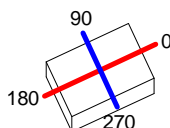
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Sources Flux	565.65 lm	Maximum value	270.71 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

120mm x 180mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



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**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	19.6	20.8	19.9	21.0	21.2	19.2	20.4	19.5	20.6	20.9
x=2H y=3H	20.7	21.8	21.0	22.0	22.3	20.2	21.3	20.5	21.5	21.8
x=2H y=4H	21.0	22.0	21.4	22.3	22.6	20.5	21.5	20.9	21.8	22.1
x=2H y=6H	21.2	22.1	21.5	22.4	22.7	20.7	21.6	21.1	21.9	22.2
x=2H y=8H	21.2	22.1	21.6	22.4	22.7	20.8	21.6	21.1	22.0	22.3
x=2H y=12H	21.2	22.0	21.6	22.4	22.7	20.8	21.6	21.1	21.9	22.3
x=4H y=2H	20.1	21.1	20.4	21.3	21.6	19.8	20.8	20.1	21.1	21.3
x=4H y=3H	21.3	22.2	21.7	22.5	22.8	20.9	21.8	21.3	22.1	22.4
x=4H y=4H	21.7	22.5	22.1	22.8	23.2	21.3	22.0	21.7	22.4	22.7
x=4H y=6H	21.9	22.6	22.4	23.0	23.3	21.5	22.2	22.0	22.6	23.0
x=4H y=8H	22.0	22.6	22.4	23.0	23.4	21.6	22.2	22.1	22.6	23.0
x=4H y=12H	22.0	22.5	22.5	23.0	23.4	21.7	22.2	22.1	22.6	23.0
x=8H y=4H	21.8	22.4	22.3	22.8	23.2	21.4	22.0	21.9	22.4	22.8
x=8H y=6H	22.1	22.6	22.6	23.0	23.5	21.8	22.2	22.2	22.7	23.1
x=8H y=8H	22.2	22.6	22.7	23.1	23.5	21.9	22.3	22.3	22.7	23.2
x=8H y=12H	22.2	22.6	22.7	23.1	23.6	22.0	22.3	22.4	22.8	23.3
x=12H y=4H	21.8	22.3	22.3	22.8	23.2	21.4	21.9	21.9	22.4	22.8
x=12H y=6H	22.1	22.5	22.6	23.0	23.5	21.8	22.2	22.2	22.6	23.1
x=12H y=8H	22.2	22.6	22.7	23.0	23.5	21.9	22.3	22.4	22.7	23.2

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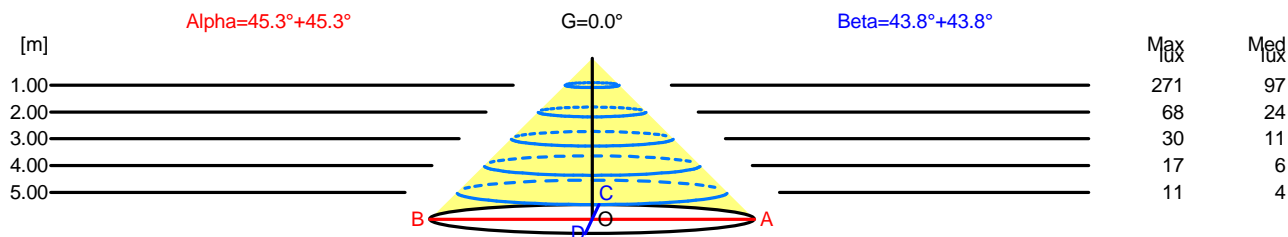
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Sources Flux	565.65 lm	Maximum value	270.71 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.01	2.02	3.03	4.04	5.05	OC	0.96	1.92	2.88	3.84	4.80
OB	1.01	2.02	3.03	4.04	5.05	OD	0.96	1.92	2.88	3.84	4.80

Luminous Intensities [ cd]

	0	5	15	25	35	45	55	65	75	85
OA	270.71	268.02	249.81	217.90	178.42	136.51	96.71	57.01	23.00	4.15
OB	270.71	268.02	249.81	217.90	178.42	136.51	96.71	57.01	23.00	4.15
OC	270.71	268.16	247.99	214.36	173.51	130.74	89.14	52.40	21.19	4.32
OD	270.71	268.16	247.99	214.36	173.51	130.74	89.14	52.40	21.19	4.32



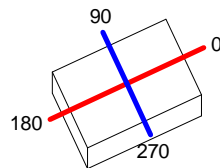
H[m]	D[m]	Max lux	Med lux	Alpha=45.3°+45.3°	G=0.0	
1.00	2.02	271	97			
2.00	4.04	68	24			
3.00	6.06	30	11			
4.00	8.08	17	6			
5.00	10.10	11	4			

H[m]	D[m]	Max lux	Med lux	Beta=43.8°+43.8°	G=0.0	
1.00	1.92	271	97			
2.00	3.84	68	24			
3.00	5.76	30	11			
4.00	7.68	17	6			
5.00	9.60	11	4			

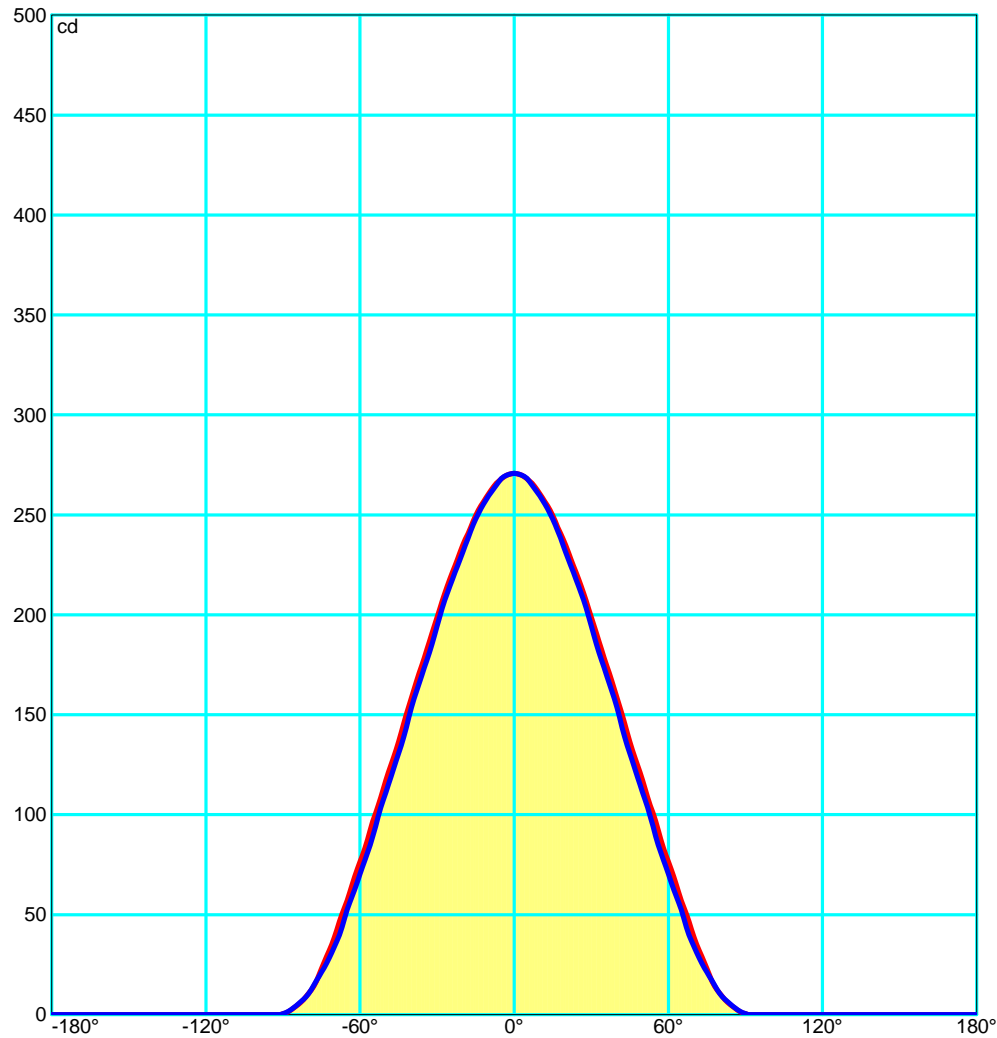
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120mm x 180mm



Semiplanos C  
180.0 ————— 0.0  
270.0 ————— 90.0



**Luminaire**

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**Measurement**

Code CL252A19F014G  
Name 3000K CRI90

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Sources Flux	565.65 lm	Maximum value	270.71 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=565.65 Flujo Luminaria=565.65

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	0.37	0.46	0.53	0.60	0.66	0.74	0.79	0.83	0.87	0.89	0.94	0.97
RC	4	4	4	4	3	3	3	3	3	3	3	3

Flujo Zonal por 1000 Lúmenes

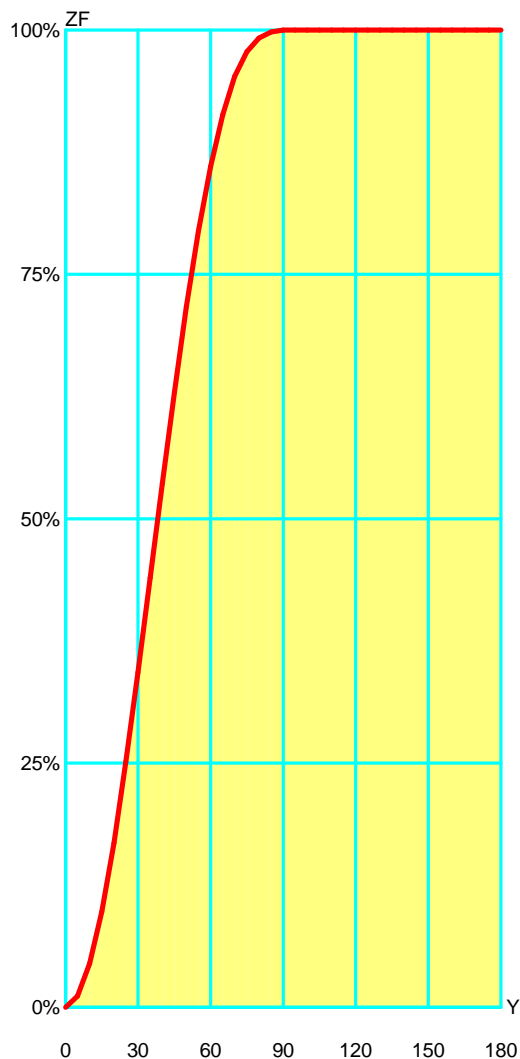
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	45	168	343	536	717	861	952	992	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

56 86 98 100 100

C.I.E. 4/4/4/4/3/3/3/3/3/3/3  
D DIN 5040 A40  
F UTE 1.00 D  
B NBN BZ 3  
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°	11.39	11.39	1.14 %	1.14 %
10°	33.40	44.79	3.34 %	4.48 %
15°	53.29	98.08	5.33 %	9.81 %
20°	70.04	168.12	7.00 %	16.81 %
25°	82.97	251.09	8.30 %	25.11 %
30°	91.78	342.87	9.18 %	34.29 %
35°	96.29	439.16	9.63 %	43.92 %
40°	96.82	535.98	9.68 %	53.60 %
45°	93.60	629.57	9.36 %	62.96 %
50°	87.10	716.68	8.71 %	71.67 %
55°	77.80	794.48	7.78 %	79.45 %
60°	66.10	860.58	6.61 %	86.06 %
65°	52.98	913.56	5.30 %	91.36 %
70°	38.89	952.46	3.89 %	95.25 %
75°	25.30	977.76	2.53 %	97.78 %
80°	13.99	991.75	1.40 %	99.18 %
85°	6.43	998.18	0.64 %	99.82 %
90°	1.82	1000.00	0.18 %	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

