

Luminaire

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

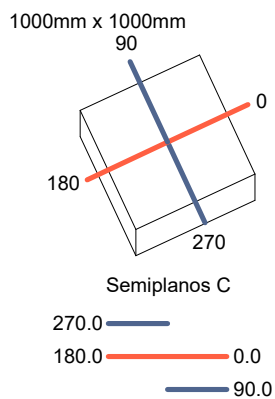
Measurem.

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

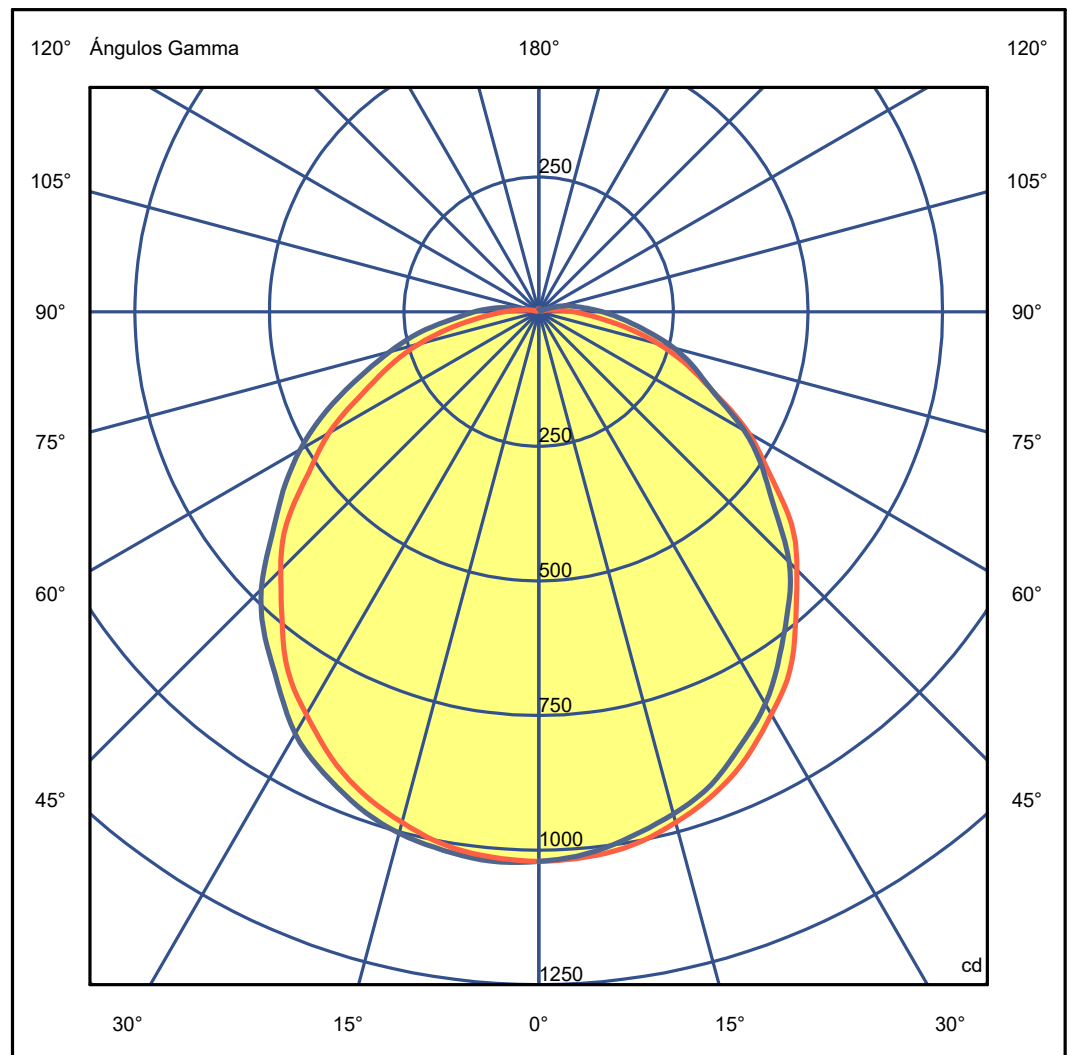
Luminaire Flux	3176.37 lm	Luminaire Power	72.00 W	Efficacy	44.12 lm/W	Efficiency	43.79%
Sources Flux	7254.00 lm	Maximum value	1027.81 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90
Rectangular Luminaire		Length	1000 mm	Width	1000 mm	Height	300 mm
Rectangular Luminous Area		Length	980 mm	Width	980 mm	Height	0 mm
Horizontal Luminous Area		0.960400 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°		0.232342 m2	
Coordinate system		CG		Symmetry Type		Sym. on planes 270-90	
Date		13-04-2023		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		9900.00 lm	
Operator		Asselum T2		Rated Voltage			
Temperature		25.00 °C		Rated Current			
Humidity		60.00 %		Photocell			
Notes							

Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	Philips Corepro LEDbulb E27	Philips Corepro LEDbulb E27 Pera Mate	806.00	8.00	9
C.I.E.	45 75 92 97 44	D DIN 5040	A31		
F UTE	0.42 E + 0.01 T	B NBN	BZ 5		



ULOR 1.48 %
DLOR 42.30 %
RN 3.39 %



Luminaire

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

Measur.

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

Luminaire Flux		3176.37 lm		Luminaire Power		72.00 W		Efficacy		44.12 lm/W		Efficiency		43.79%	
Sources Flux		7254.00 lm		Maximum value		1027.81 cd		Position		C=285.00 G=5.00		CG		Sym. on planes 270-90	
Luminous Intensity Table cd														Table 1/1	
C 270.00		C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00		
G 0.0	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97
G 5.0	1024.04	1027.81	1023.03	1026.82	1020.17	1020.78	1016.52	1011.57	1014.20	1009.23	1012.41	1007.95	1010.62	1007.95	1010.62
G 10.0	1015.71	1024.74	1014.63	1022.04	1009.61	1011.19	1005.39	994.38	998.68	990.16	992.94	988.84	989.61	988.84	989.61
G 15.0	1002.72	1011.43	999.21	1009.91	990.15	991.85	981.94	962.21	969.38	956.02	966.66	955.43	965.47	955.43	965.47
G 20.0	978.70	991.02	969.39	982.31	958.29	961.98	952.82	928.23	937.77	920.49	935.02	920.92	934.83	920.92	934.83
G 25.0	945.14	963.11	936.03	952.82	924.55	928.44	912.91	888.47	897.63	873.85	888.45	880.38	888.04	880.38	888.04
G 30.0	904.95	917.15	895.46	910.54	865.60	875.07	863.54	826.42	838.27	817.61	840.19	821.31	841.14	821.31	841.14
G 35.0	844.53	873.13	834.92	858.98	816.14	825.38	813.01	771.05	785.03	762.95	789.47	767.09	779.95	767.09	779.95
G 40.0	790.48	821.54	779.16	805.70	759.64	771.64	742.31	703.34	714.48	684.83	714.16	699.25	720.01	699.25	720.01
G 45.0	728.75	749.11	709.73	729.73	680.60	694.17	677.84	628.13	647.75	620.31	651.82	626.88	657.63	626.88	657.63
G 50.0	647.59	683.55	634.27	664.95	612.08	625.79	612.01	558.89	580.45	551.46	583.08	558.68	572.41	558.68	572.41
G 55.0	579.76	616.80	565.56	594.24	541.02	556.61	522.28	487.12	493.84	473.62	499.60	484.80	507.00	484.80	507.00
G 60.0	511.31	530.94	493.17	504.82	442.19	462.89	450.15	395.32	426.69	396.69	435.22	403.50	439.96	403.50	439.96
G 65.0	435.21	466.26	406.72	430.44	368.47	377.69	363.63	326.54	352.80	327.47	359.49	339.40	360.98	339.40	360.98
G 70.0	354.50	397.68	339.85	351.43	285.50	305.03	295.83	257.53	292.50	263.64	302.23	276.18	309.37	276.18	309.37
G 75.0	287.11	322.77	266.29	287.12	214.02	237.06	230.65	186.39	229.30	191.70	245.48	226.20	259.65	226.20	259.65
G 80.0	226.58	257.15	197.01	223.85	156.34	176.18	161.65	118.20	152.36	134.96	178.67	172.56	203.59	172.56	203.59
G 85.0	162.79	196.85	144.59	153.18	114.85	119.96	103.43	69.21	97.26	89.90	133.23	126.70	156.41	126.70	156.41
G 90.0	120.14	138.98	104.10	114.26	84.71	85.13	64.98	30.18	53.87	57.82	94.10	96.18	118.35	96.18	118.35
G 95.0	81.66	101.06	71.93	87.74	61.01	59.62	34.98	10.89	23.90	38.84	65.87	69.80	85.49	69.80	85.49
G100.0	39.41	62.42	42.90	59.55	39.97	41.21	19.18	3.90	10.94	18.19	44.83	44.91	62.41	44.91	62.41
G105.0	15.71	30.52	24.35	38.26	20.24	23.50	7.75	3.56	5.02	6.52	24.35	24.95	40.88	24.95	40.88
G110.0	5.08	12.32	8.36	18.17	7.37	8.50	3.57	3.74	3.67	3.83	9.35	9.27	17.72	9.27	17.72
G115.0	3.26	3.75	3.35	5.20	3.58	3.97	3.73	3.96	3.86	4.01	3.97	3.80	6.40	3.97	6.40
G120.0	3.42	3.35	3.54	3.57	3.78	3.76	3.91	4.16	4.06	4.20	3.97	3.94	3.85	3.97	3.85
G125.0	3.61	3.53	3.71	3.73	3.94	3.96	4.10	4.28	4.22	4.34	4.16	4.13	4.03	4.22	4.03
G130.0	3.79	3.73	3.90	3.84	4.10	4.11	4.24	4.43	4.37	4.46	4.30	4.30	4.17	4.43	4.17
G135.0	3.99	3.90	4.07	3.99	4.28	4.30	4.39	4.58	4.54	4.55	4.47	4.48	4.33	4.55	4.33
G140.0	4.21	4.06	4.23	4.21	4.44	4.52	4.58	4.75	4.68	4.73	4.57	4.67	4.48	4.73	4.48
G145.0	4.36	4.29	4.41	4.42	4.63	4.67	4.78	4.92	4.83	4.92	4.66	4.77	4.64	4.92	4.64
G150.0	4.54	4.47	4.62	4.59	4.80	4.85	4.97	5.07	4.99	5.04	4.92	4.96	4.82	5.04	4.82
G155.0	4.73	4.64	4.81	4.81	4.95	4.98	5.09	5.23	5.12	5.19	5.08	5.14	4.98	5.19	4.98
G160.0	4.91	4.83	4.97	4.98	5.12	5.14	5.21	5.33	5.22	5.29	5.20	5.23	5.08	5.29	5.08
G165.0	5.04	4.97	5.13	5.16	5.29	5.33	5.40	5.48	5.36	5.40	5.27	5.35	5.21	5.40	5.21
G170.0	5.22	5.14	5.27	5.32	5.44	5.46	5.52	5.58	5.47	5.48	5.39	5.44	5.32	5.58	5.32
G175.0	5.33	5.29	5.38	5.46	5.52	5.58	5.62	5.64	5.56	5.53	5.46	5.47	5.39	5.62	5.39
G180.0	5.38	5.41	5.46	5.59	5.56	5.64	5.66	5.64	5.56	5.59	5.46	5.41	5.38	5.66	5.38

Luminaire

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

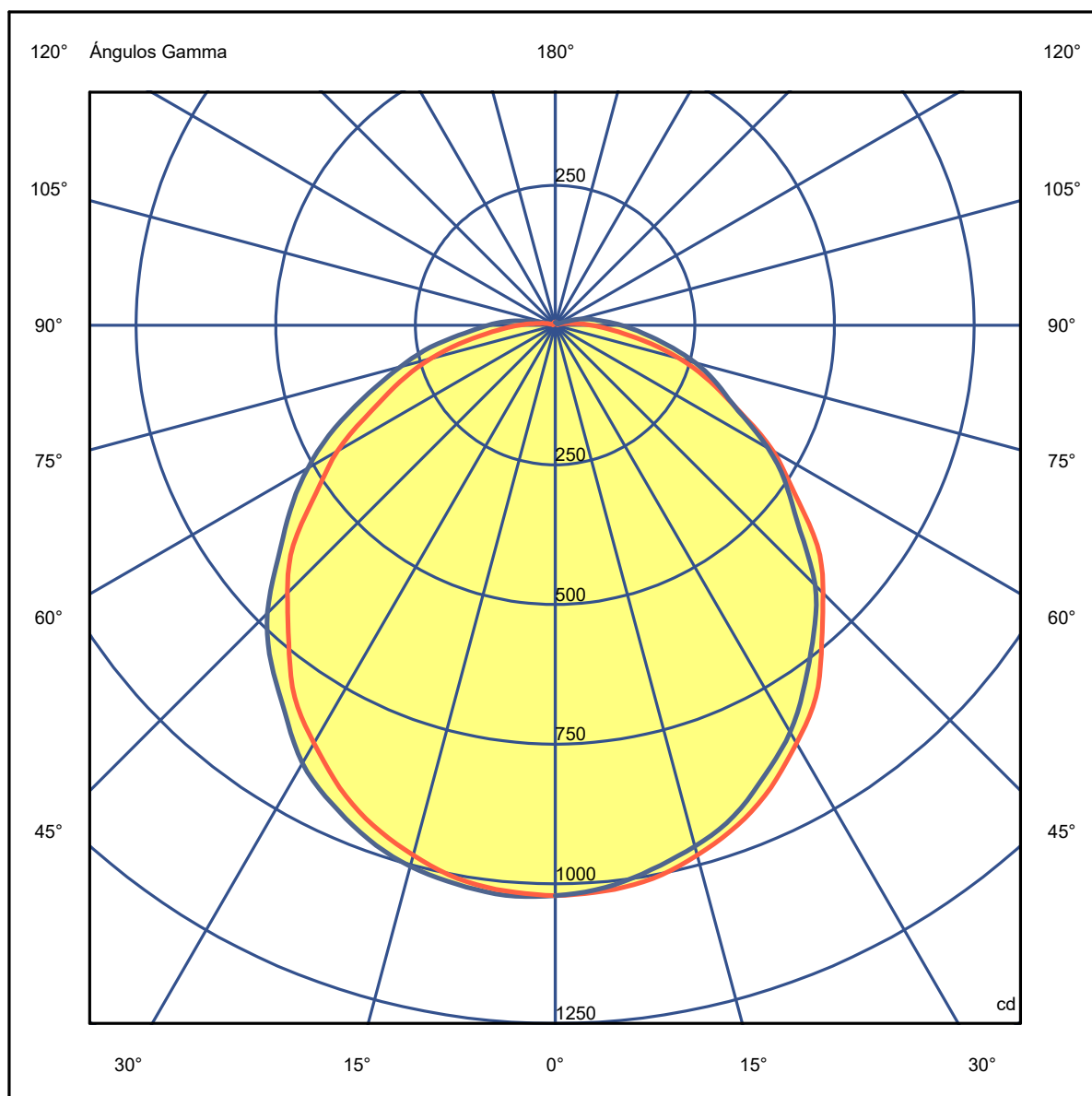
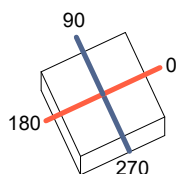
Measurem.

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

Luminaire Flux	3176.37 lm	Luminaire Power	72.00 W	Efficacy	44.12 lm/W	Efficiency	43.79%
Sources Flux	7254.00 lm	Maximum value	1027.81 cd	Position	C=285.00 G=5.00	CG Sym. on planes 270-90	

1000mm x 1000mm

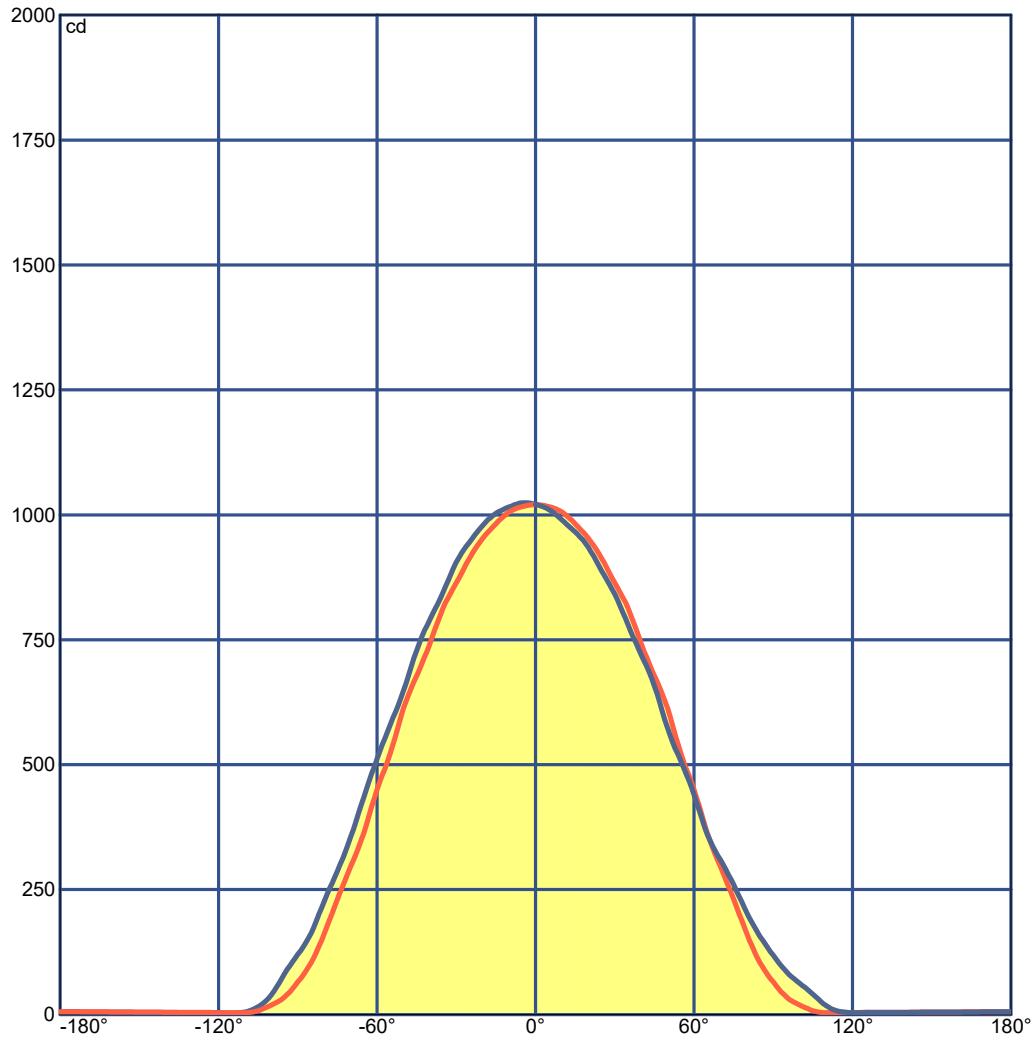
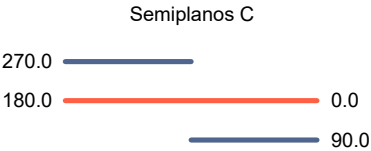
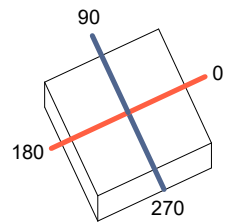
Semiplanos C



Luminaire
Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal
Measurem.
Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

Luminaire Flux	3176.37 lm	Luminaire Power	72.00 W	Efficacy	44.12 lm/W	Efficiency	43.79%
Sources Flux	7254.00 lm	Maximum value	1027.81 cd	Position	C=285.00 G=5.00	CG	Sym. on planes 270-90

1000mm x 1000mm



Luminaire

Code TAM TAM + 3 SATEL
 Name TAM TAM 9x8W FBT+3 satel opal

Measurem.

Code TAM TAM + 3 SATEL
 Name TAM TAM 9x8W FBT+3 satel opal

Luminaire Flux	3176.37 lm	Luminaire Power	72.00 W	Efficacy	44.12 lm/W	Efficiency	43.79%
Sources Flux	7254.00 lm	Maximum value	1027.81 cd	Position	C=285.00 G=5.00	CG Sym. on planes	270-90

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										
Room Dimensions	Lateral View					Viewed Endwise				
	x=2H	y=2H	x=2H	y=2H	x=2H	y=2H	x=2H	y=2H	x=2H	y=2H
x=2H y=2H	12.0	13.3	12.3	13.6	13.9	13.0	14.3	13.3	14.6	14.9
x=2H y=3H	13.6	14.8	14.0	15.2	15.5	15.0	16.2	15.4	16.6	16.9
x=2H y=4H	14.4	15.6	14.8	15.9	16.3	16.1	17.2	16.4	17.5	17.9
x=2H y=6H	15.1	16.2	15.5	16.6	17.0	17.0	18.1	17.4	18.5	18.9
x=2H y=8H	15.5	16.5	15.9	16.8	17.3	17.5	18.5	17.9	18.9	19.3
x=2H y=12H	15.8	16.7	16.2	17.1	17.5	18.0	19.0	18.4	19.4	19.8
x=4H y=2H	12.8	13.9	13.1	14.2	14.6	13.7	14.8	14.0	15.1	15.5
x=4H y=3H	14.6	15.6	15.0	15.9	16.3	15.9	16.8	16.3	17.2	17.6
x=4H y=4H	15.5	16.4	16.0	16.8	17.2	17.1	17.9	17.5	18.3	18.8
x=4H y=6H	16.3	17.1	16.8	17.6	18.0	18.3	19.1	18.8	19.5	20.0
x=4H y=8H	16.7	17.5	17.2	17.9	18.4	18.9	19.6	19.4	20.1	20.6
x=4H y=12H	17.1	17.8	17.6	18.3	18.8	19.6	20.3	20.1	20.7	21.2
x=8H y=4H	16.0	16.7	16.5	17.2	17.6	17.4	18.1	17.9	18.6	19.1
x=8H y=6H	17.0	17.6	17.5	18.1	18.6	18.8	19.4	19.3	19.9	20.4
x=8H y=8H	17.5	18.0	18.0	18.5	19.1	19.6	20.1	20.1	20.6	21.2
x=8H y=12H	18.0	18.5	18.6	19.0	19.6	20.5	21.0	21.1	21.5	22.1
x=12H y=4H	17.0	17.6	17.4	18.1	18.6	17.9	18.5	18.4	19.0	19.5
x=12H y=6H	17.8	18.3	18.3	18.8	19.4	19.2	19.7	19.7	20.2	20.8
x=12H y=8H	18.3	18.8	18.8	19.3	19.9	20.0	20.5	20.6	21.0	21.6

Luminaire

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

Measurement

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

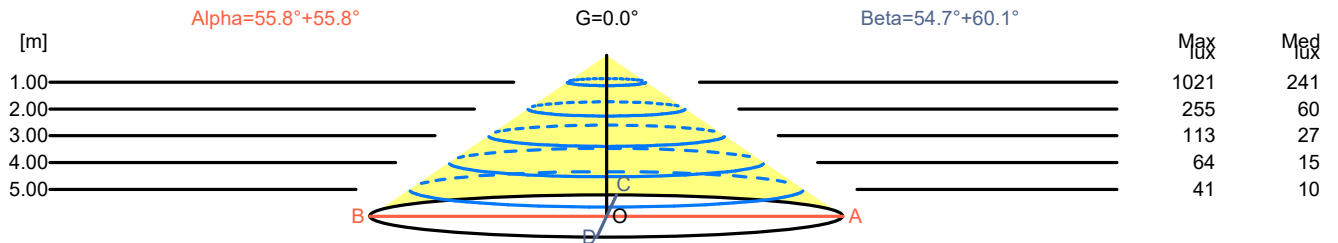
Luminaire Flux	3176.37 lm	Luminaire Power	72.00 W	Efficacy	44.12 lm/W	Efficiency	43.79%
Sources Flux	7254.00 lm	Maximum value	1027.81 cd	Position	C=285.00 G=5.00	CG Sym. on planes	270-90

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	1.47	2.94	4.41	5.88	7.35	OC	1.41	2.83	4.24	5.65	7.06
OB	1.47	2.94	4.41	5.88	7.35	OD	1.74	3.47	5.21	6.94	8.68

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	1020.97	1016.52	981.94	912.91	813.01	677.84	522.28	363.63	230.65	103.43
OB	1020.97	1016.52	981.94	912.91	813.01	677.84	522.28	363.63	230.65	103.43
OC	1020.97	1010.62	965.47	888.04	779.95	657.63	507.00	360.98	259.65	156.41
OD	1020.97	1024.04	1002.72	945.14	844.53	728.75	579.76	435.21	287.11	162.79



H[m]	D[m]	Max lux	Med lux	Alpha=55.8°+55.8°	G=0.0	
1.00	2.94	1021	241			
2.00	5.88	255	60			
3.00	8.82	113	27			
4.00	11.76	64	15			
5.00	14.70	41	10			

H[m]	D[m]	Max lux	Med lux	Beta=60.1°+54.7°	G=0.0	
1.00	3.15	1021	241			
2.00	6.30	255	60			
3.00	9.45	113	27			
4.00	12.60	64	15			
5.00	15.74	41	10			

Luminaire

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

Measurement

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

Luminaire Flux	3176.37 lm	Luminaire Power	72.00 W	Efficacy	44.12 lm/W	Efficiency	43.79%
Sources Flux	7254.00 lm	Maximum value	1027.81 cd	Position	C=285.00 G=5.00	CG Sym. on planes 270-90	

Flujo Total=7254.00 Flujo Luminaria=3176.37

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	0.29	0.37	0.44	0.51	0.56	0.65	0.71	0.75	0.80	0.83	0.91	0.95
RC	5	5	5	5	6	6	6	6	6	6	6	6

Flujo Zonal por 1000 Lúmenes

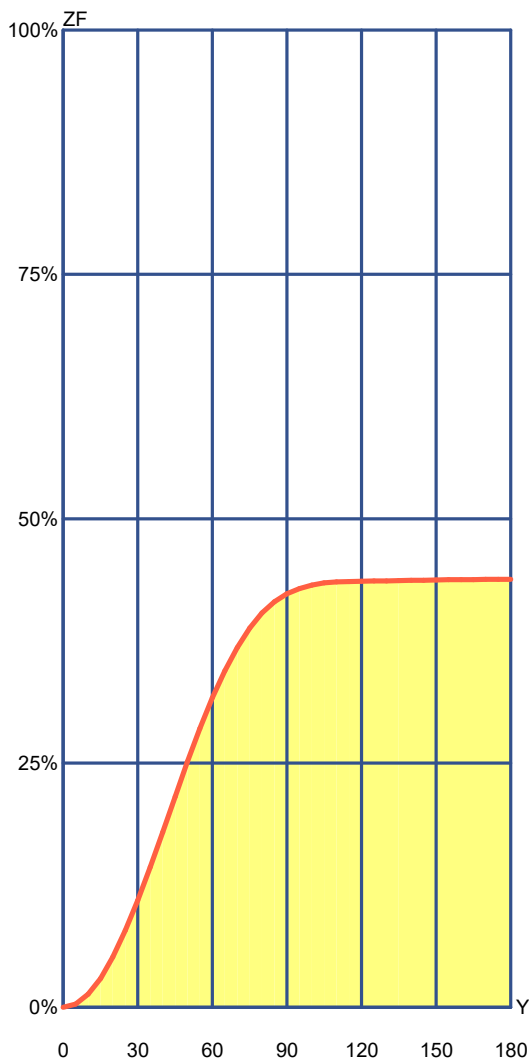
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	13	52	109	179	251	317	368	404	423	432	435	436	436	437	437	438	438	438

Códigos de Flujo C.I.E.

45 75 92 97 44

C.I.E. 5/5/5/5/6/6/6/6/6/6/6
D DIN 5040 A31
F UTE 0.42 E + 0.01 T
B NBN BZ 5
RN 3.38660 %
BLF 1.0

LOR 43.78780 %
ULOR 1.48292 %
DLOR 42.30488 %
UFF 3.38660 %
DFF 96.61340 %
FFR 3.50532 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	3.36	3.36	0.77 %	0.77 %
10°	9.97	13.33	2.28 %	3.04 %
15°	16.24	29.57	3.71 %	6.75 %
20°	21.96	51.53	5.01 %	11.77 %
25°	26.96	78.49	6.16 %	17.93 %
30°	30.98	109.47	7.07 %	25.00 %
35°	33.92	143.39	7.75 %	32.75 %
40°	35.77	179.16	8.17 %	40.92 %
45°	36.29	215.45	8.29 %	49.20 %
50°	35.71	251.16	8.16 %	57.36 %
55°	34.11	285.27	7.79 %	65.15 %
60°	31.32	316.59	7.15 %	72.30 %
65°	27.74	344.33	6.34 %	78.64 %
70°	23.90	368.23	5.46 %	84.10 %
75°	19.85	388.08	4.53 %	88.63 %
80°	15.54	403.62	3.55 %	92.18 %
85°	11.40	415.02	2.60 %	94.78 %
90°	8.03	423.05	1.83 %	96.61 %
95°	5.51	428.56	1.26 %	97.87 %
100°	3.58	432.15	0.82 %	98.69 %
105°	2.08	434.22	0.47 %	99.17 %
110°	1.01	435.24	0.23 %	99.40 %
115°	0.43	435.67	0.10 %	99.49 %
120°	0.26	435.93	0.06 %	99.55 %
125°	0.25	436.18	0.06 %	99.61 %
130°	0.24	436.42	0.06 %	99.67 %
135°	0.24	436.66	0.05 %	99.72 %
140°	0.22	436.88	0.05 %	99.77 %
145°	0.21	437.09	0.05 %	99.82 %
150°	0.19	437.28	0.04 %	99.86 %
155°	0.17	437.45	0.04 %	99.90 %
160°	0.15	437.60	0.03 %	99.94 %
165°	0.12	437.72	0.03 %	99.96 %
170°	0.09	437.81	0.02 %	99.98 %
175°	0.05	437.86	0.01 %	100.00 %
180°	0.02	437.88	0.00 %	100.00 %

Luminaire

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

Measurem.

Code TAM TAM + 3 SATEL
Name TAM TAM 9x8W FBT+3 satel opal

Luminaire Flux	3176.37 lm	Luminaire Power	72.00 W	Efficacy	44.12 lm/W	Efficiency	43.79%
Sources Flux	7254.00 lm	Maximum value	1027.81 cd	Position	C=285.00 G=5.00	CG Sym. on planes 270-90	

Isolux (Floor)

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

