Luminaire
Code 30301yyy128
Name FORA Ø30 LED BEIGE SADE
Measurem.
Code CL092A20F018G
Name FORA Ø30 LED BEIGE SADE

Luminaire Flux	754.66 lm	Luminaire Power	19.77 W	Efficacy	38.17 lm/W	Efficiency	100.00%
Sources Flux	754.66 lm	Maximum value	231.52 cd	Position	C=30.00 G=10.00	CG	Double Symmetrical

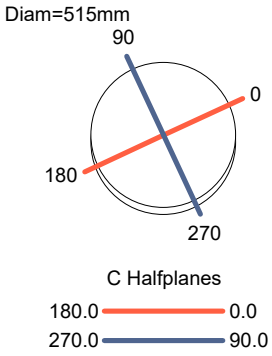
Round Luminaire	Diam. 515 mm	Height	315 mm
Round Luminous Area	Diam. 515 mm	Height	315 mm
Horizontal Luminous Area	0.208307 m2	Emitting area on Plane 180°	0.162225 m2
Emitting area on Plane 0°	0.162225 m2	Emitting area on Plane 270°	0.162225 m2
Emitting area on Plane 90°	0.162225 m2	Glare area at 76°	0.207800 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	15-12-2020	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	754.66 lm
Operator	Asselum T2	Rated Voltage	230.24 V
Temperature	25.50 °C	Rated Current	0.09 A
Humidity	38.90 %	Photocell	Prc
Notes	RM20111705		

Luminaire Sources

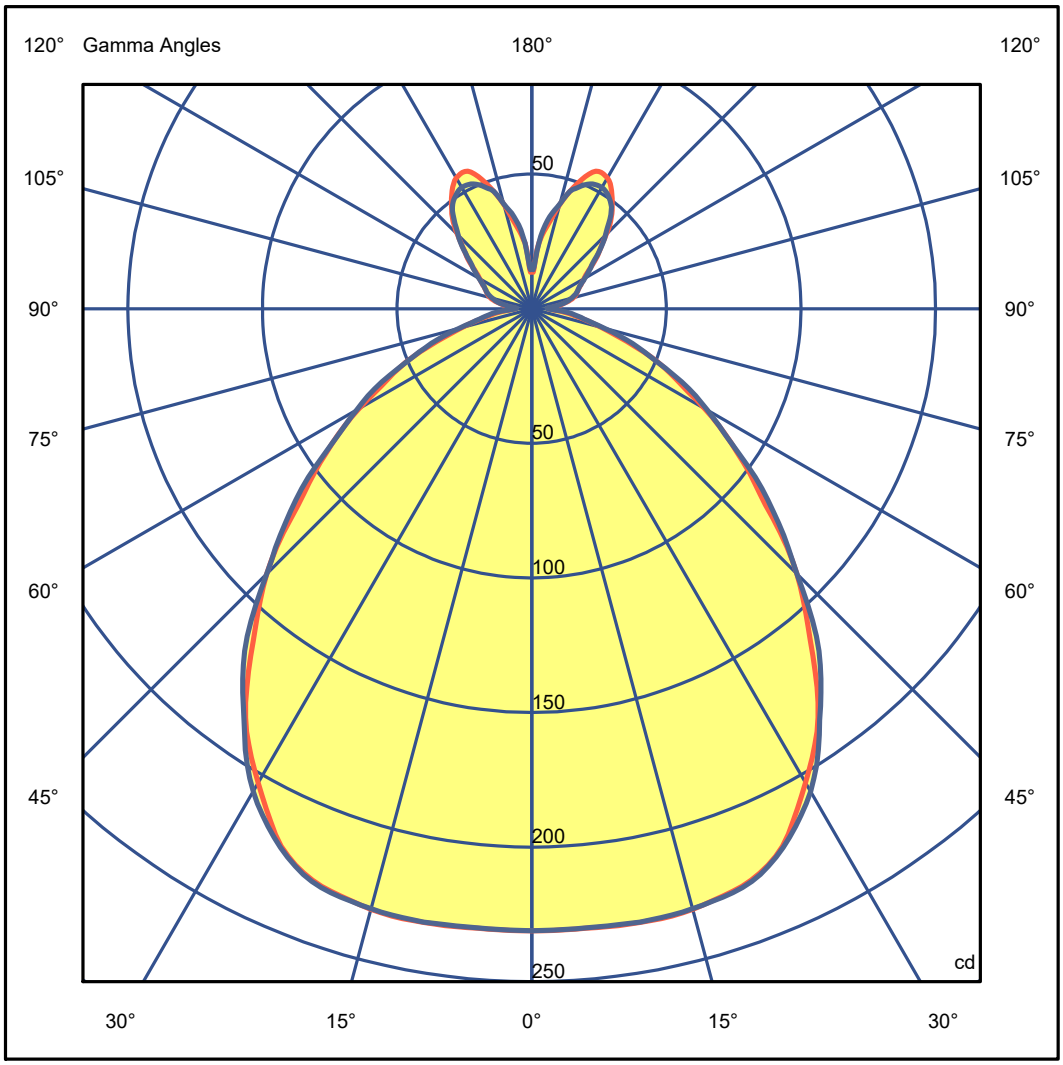
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	Mid-Power LED-5630 Ser.	SEOUL	754.66	19.77	1

C.I.E.	54 83 96 79 100	D DIN 5040	B41
F UTE	0.79 D + 0.21 T	B NBN	BZ 4





ULOR 21.07 %
DLOR 78.93 %
RN 21.07 %



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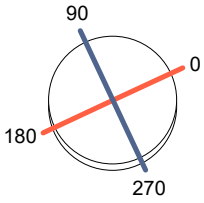
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	231.04	231.04	231.04	231.04	231.04	231.04	231.04
G 2.5	231.01	231.04	231.01	231.13	230.99	231.08	230.94
G 5.0	231.00	231.09	231.01	231.18	231.00	231.10	230.87
G 7.5	231.28	231.23	231.22	231.30	231.16	231.22	230.97
G 10.0	231.49	231.41	231.52	231.51	231.42	231.39	231.28
G 12.5	231.51	231.33	231.52	231.33	231.41	231.30	231.16
G 15.0	230.95	230.72	230.98	230.80	230.96	230.80	230.71
G 17.5	229.63	229.65	229.93	229.96	230.05	229.89	229.90
G 20.0	228.29	227.86	228.42	228.53	228.65	228.51	228.82
G 22.5	225.30	224.91	225.38	225.05	226.16	225.84	225.80
G 25.0	220.23	219.61	219.56	219.78	220.37	220.48	220.81
G 27.5	211.93	211.77	212.84	213.20	213.96	214.13	214.41
G 30.0	203.26	203.08	204.80	205.75	206.52	206.64	207.02
G 32.5	194.83	194.64	195.47	196.17	196.65	196.67	197.50
G 35.0	185.34	185.31	184.19	184.89	185.59	185.86	186.47
G 37.5	173.43	174.10	174.46	174.82	175.67	175.93	176.50
G 40.0	161.01	162.24	163.98	164.47	165.28	165.63	165.87
G 42.5	150.00	150.41	150.75	152.22	152.26	152.81	153.19
G 45.0	139.27	139.16	137.92	137.94	138.91	138.96	139.20
G 47.5	126.96	127.22	126.30	127.00	127.28	127.82	128.04
G 50.0	113.36	114.57	115.51	115.91	116.44	117.01	117.00
G 52.5	103.13	103.17	104.12	105.66	104.48	105.95	106.30
G 55.0	93.24	93.57	93.53	92.05	93.93	92.85	94.09
G 57.5	83.90	83.83	82.92	83.23	83.35	83.79	83.79
G 60.0	74.03	74.17	74.45	74.87	74.85	75.21	75.18
G 62.5	64.22	65.09	65.91	66.72	66.91	67.32	67.29
G 65.0	56.65	57.08	57.23	57.19	57.57	57.48	58.11
G 67.5	49.30	49.38	48.17	48.83	48.80	49.47	49.15
G 70.0	40.65	41.49	41.16	41.73	41.59	42.34	42.21
G 72.5	32.86	33.64	34.44	34.98	35.03	35.68	35.39
G 75.0	26.97	27.17	27.33	28.51	27.69	28.43	28.22
G 77.5	21.83	22.08	21.72	22.07	21.83	22.37	22.12
G 80.0	17.67	17.82	18.02	18.12	18.27	18.45	18.54
G 82.5	14.31	14.34	15.05	14.94	15.26	15.24	15.50
G 85.0	10.98	10.74	11.60	11.84	11.72	11.89	12.33
G 87.5	7.83	7.98	7.92	7.92	7.99	8.05	7.95
G 90.0	6.10	6.18	6.09	6.26	5.93	6.18	5.97
G 92.5	6.29	6.55	6.13	6.26	5.79	6.05	5.81
G 95.0	8.38	8.15	7.63	7.46	7.25	7.27	7.18
G 97.5	10.36	10.22	9.90	9.68	9.55	9.74	9.78
G100.0	12.35	12.06	12.17	11.79	11.85	11.68	11.96
G102.5	14.42	14.02	13.87	13.38	13.56	13.40	13.70
G105.0	16.03	15.56	15.20	14.74	14.97	14.87	15.20
G107.5	17.07	16.75	16.50	16.03	16.29	16.26	16.50
G110.0	17.86	17.62	17.35	17.05	17.15	17.22	17.74
G112.5	18.69	18.59	18.05	17.80	17.83	18.04	18.58
G115.0	19.69	19.58	18.86	18.61	18.63	19.00	19.60
G117.5	21.01	20.73	20.09	19.63	19.86	20.27	20.95
G120.0	22.39	22.08	21.53	21.32	21.32	22.13	22.69
G122.5	24.11	23.88	23.30	22.96	23.04	23.77	24.61
G125.0	26.61	26.28	25.22	24.78	24.93	25.75	26.66
G127.5	29.60	28.95	27.60	26.87	27.09	27.92	28.99
G130.0	32.37	31.65	30.39	29.46	29.73	31.02	32.20
G132.5	35.30	34.59	33.48	32.51	32.73	34.05	35.55
G135.0	39.04	37.90	36.04	35.00	34.90	36.81	38.74
G137.5	43.02	41.06	38.39	37.57	37.25	39.29	41.88
G140.0	46.17	43.90	41.09	40.35	39.63	41.97	45.61
G142.5	49.05	46.26	43.59	42.31	41.54	43.55	48.46
G145.0	51.90	48.76	45.50	43.25	42.50	44.55	50.15
G147.5	54.45	50.77	47.14	43.93	43.33	45.21	51.41
G150.0	56.12	52.01	48.12	44.00	43.61	45.92	52.01
G152.5	56.78	52.35	48.28	43.54	43.54	47.00	51.96
G155.0	56.39	51.59	47.64	43.53	43.15	46.85	51.14
G157.5	53.72	49.40	46.78	43.69	43.16	45.98	49.62
G160.0	49.62	46.41	45.56	43.30	43.20	45.16	47.65
G162.5	44.99	42.82	42.08	40.80	41.01	42.67	45.16
G165.0	40.27	38.37	37.05	37.19	37.57	38.96	40.37
G167.5	34.79	33.37	32.85	33.40	33.94	35.51	37.01
G170.0	30.68	29.06	28.64	29.56	30.08	32.01	33.32
G172.5	26.89	25.09	23.98	25.21	25.53	27.54	28.40
G175.0	21.98	19.89	18.94	19.36	20.51	22.21	21.46
G177.5	13.97	15.28	13.20	16.86	14.70	18.70	14.83
G180.0	16.37	16.37	16.37	16.37	16.37	16.37	16.37

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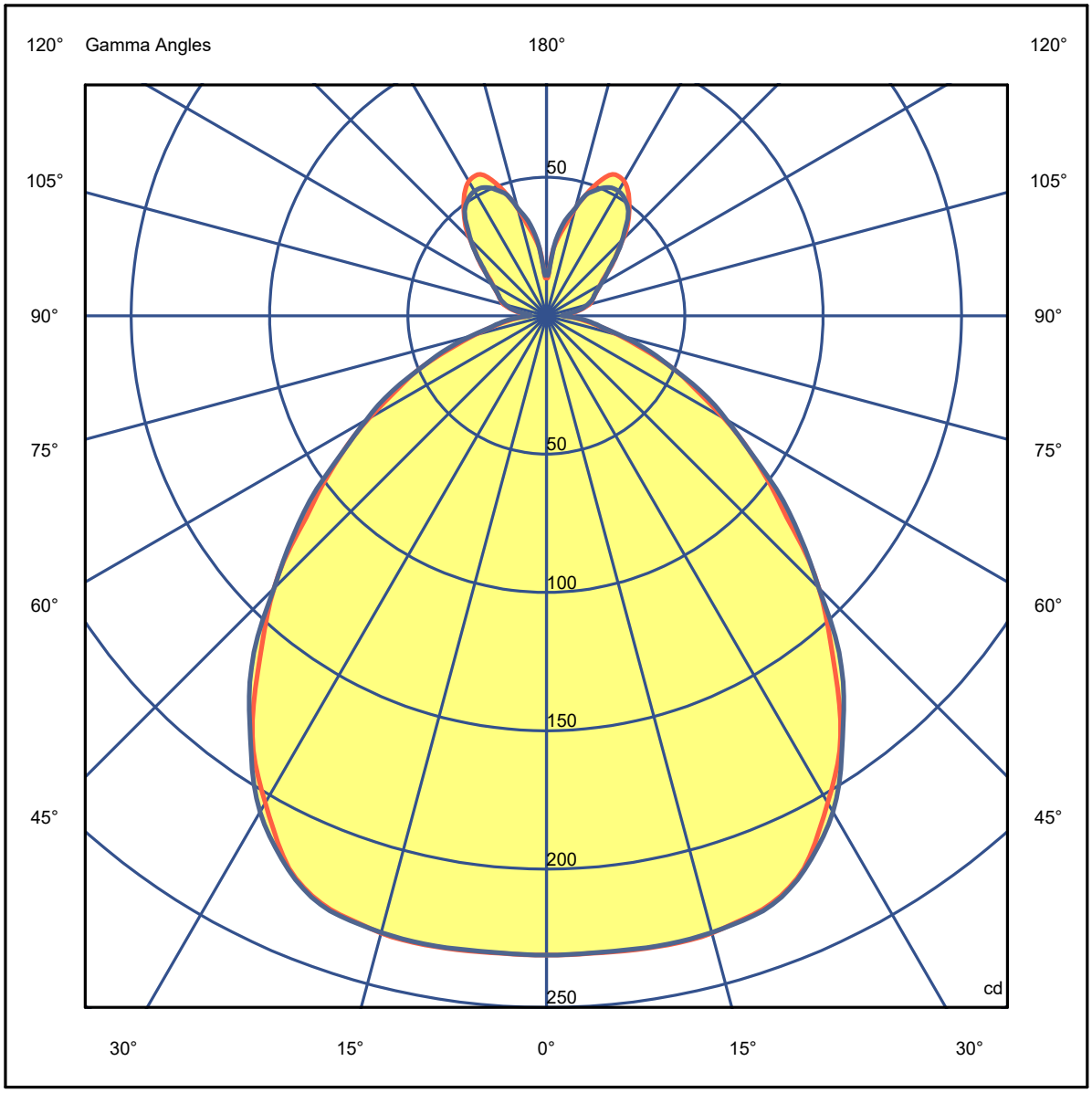
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Diam=515mm



C Halfplanes

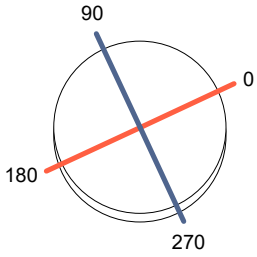




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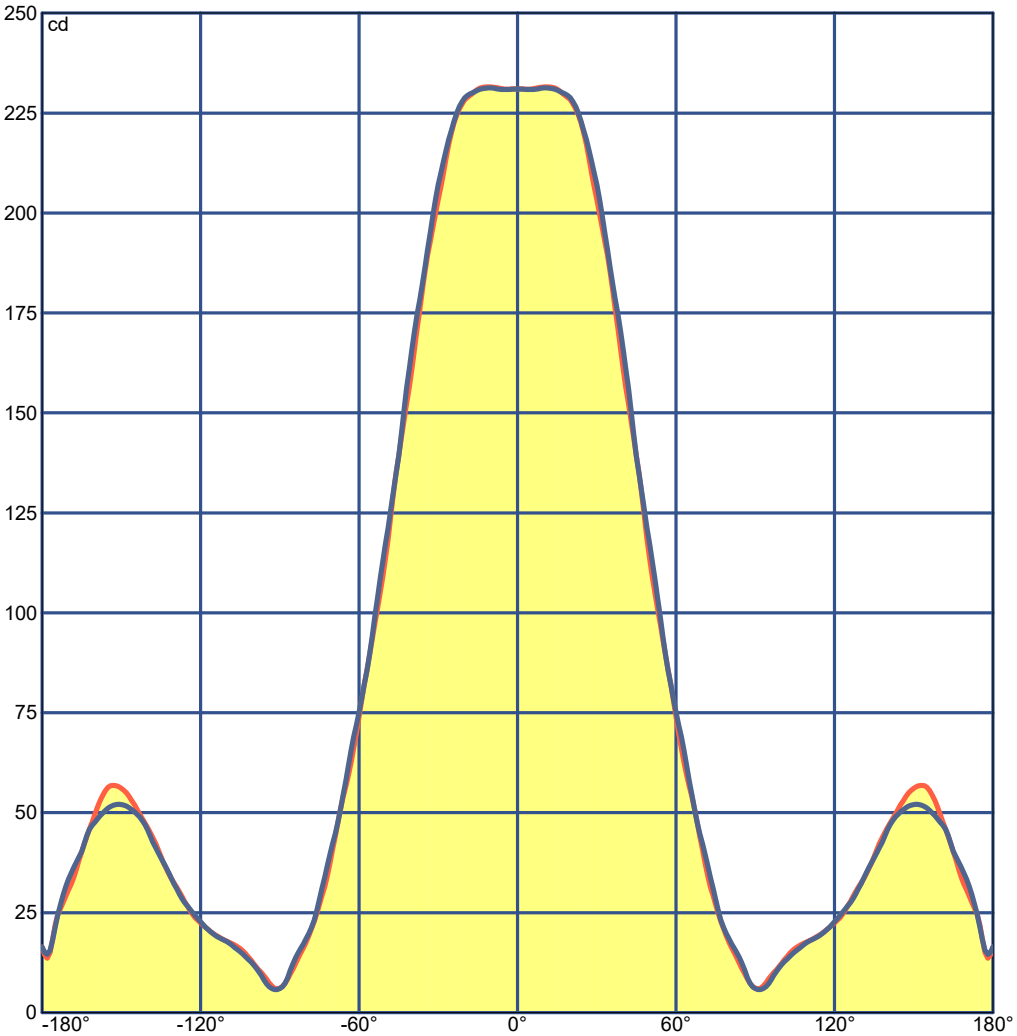
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C Halfplanes





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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
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	7.7	8.7	8.2	9.2	9.8	7.7	8.7	8.3	9.3	9.9
x=2H y=3H	8.4	9.3	9.0	9.9	10.5	8.5	9.4	9.1	10.0	10.6
x=2H y=4H	8.6	9.4	9.2	10.0	10.7	8.7	9.6	9.3	10.2	10.9
x=2H y=6H	8.7	9.5	9.4	10.1	10.8	8.8	9.6	9.5	10.2	10.9
x=2H y=8H	8.7	9.5	9.4	10.1	10.8	8.9	9.6	9.5	10.2	11.0
x=2H y=12H	8.7	9.4	9.4	10.1	10.8	8.9	9.6	9.5	10.2	11.0
x=4H y=2H	8.0	8.8	8.6	9.4	10.1	8.0	8.9	8.7	9.5	10.2
x=4H y=3H	8.9	9.6	9.5	10.2	10.9	8.9	9.6	9.6	10.3	11.0
x=4H y=4H	9.2	9.8	9.8	10.4	11.2	9.3	9.9	9.9	10.5	11.3
x=4H y=6H	9.3	9.9	10.0	10.6	11.4	9.4	10.0	10.1	10.7	11.5
x=4H y=8H	9.4	9.9	10.1	10.6	11.4	9.5	10.0	10.2	10.7	11.5
x=4H y=12H	9.4	9.9	10.2	10.6	11.4	9.6	10.0	10.3	10.7	11.6
x=8H y=4H	9.2	9.7	9.9	10.4	11.2	9.3	9.8	10.0	10.5	11.3
x=8H y=6H	9.5	9.9	10.2	10.6	11.5	9.6	10.0	10.3	10.7	11.6
x=8H y=8H	9.6	9.9	10.3	10.7	11.6	9.7	10.0	10.5	10.8	11.7
x=8H y=12H	9.6	9.9	10.4	10.7	11.6	9.8	10.1	10.6	10.9	11.8
x=12H y=4H	9.4	9.8	10.1	10.5	11.4	9.4	9.9	10.2	10.6	11.5
x=12H y=6H	9.6	10.0	10.4	10.7	11.6	9.7	10.1	10.5	10.8	11.7
x=12H y=8H	9.7	10.1	10.5	10.8	11.7	9.9	10.2	10.6	10.9	11.8

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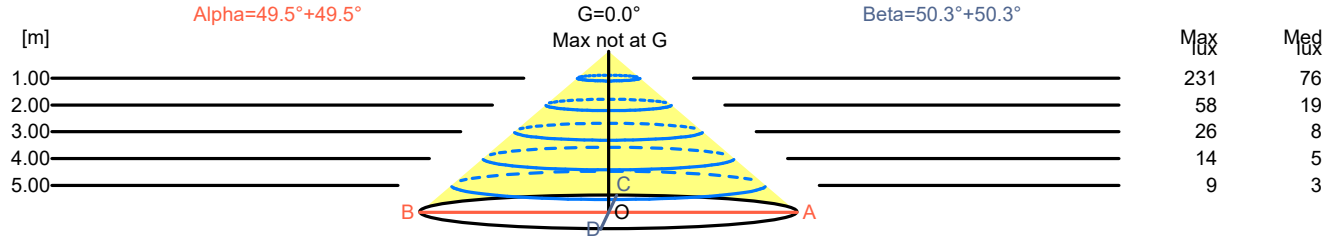
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Width at 50.00 % of Max Intensity

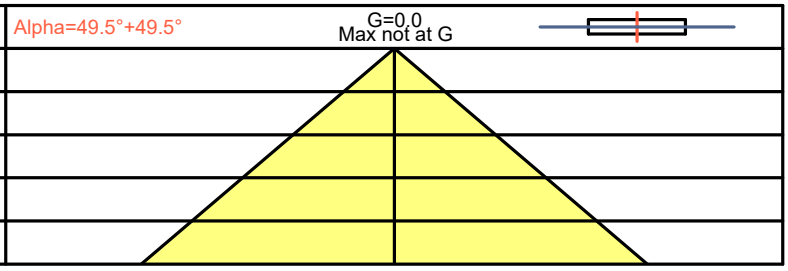
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.17	2.34	3.52	4.69	5.86	OC	1.20	2.41	3.61	4.82	6.02
OB	1.17	2.34	3.52	4.69	5.86	OD	1.20	2.41	3.61	4.82	6.02

Luminous Intensities [cd]

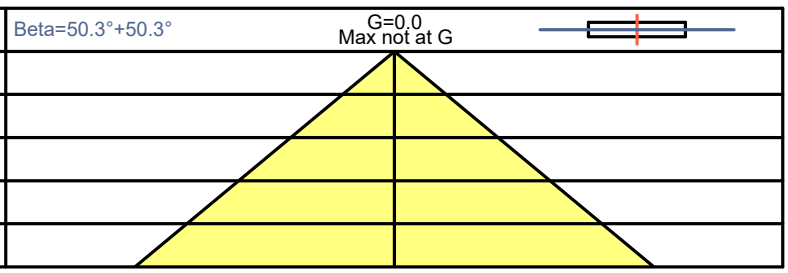
	0	5	15	25	35	45	55	65	75	85
OA	231.04	231.00	230.95	220.23	185.34	139.27	93.24	56.65	26.97	10.98
OB	231.04	231.00	230.95	220.23	185.34	139.27	93.24	56.65	26.97	10.98
OC	231.04	230.87	230.71	220.81	186.47	139.20	94.09	58.11	28.22	12.33
OD	231.04	230.87	230.71	220.81	186.47	139.20	94.09	58.11	28.22	12.33



H[m]	D[m]	Max lux	Med lux
1.00	2.34	231	76
2.00	4.69	58	19
3.00	7.03	26	8
4.00	9.38	14	5
5.00	11.72	9	3



H[m]	D[m]	Max lux	Med lux
1.00	2.41	231	76
2.00	4.82	58	19
3.00	7.23	26	8
4.00	9.63	14	5
5.00	12.04	9	3



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Total Flux=754.66 Luminaire Flux=754.66

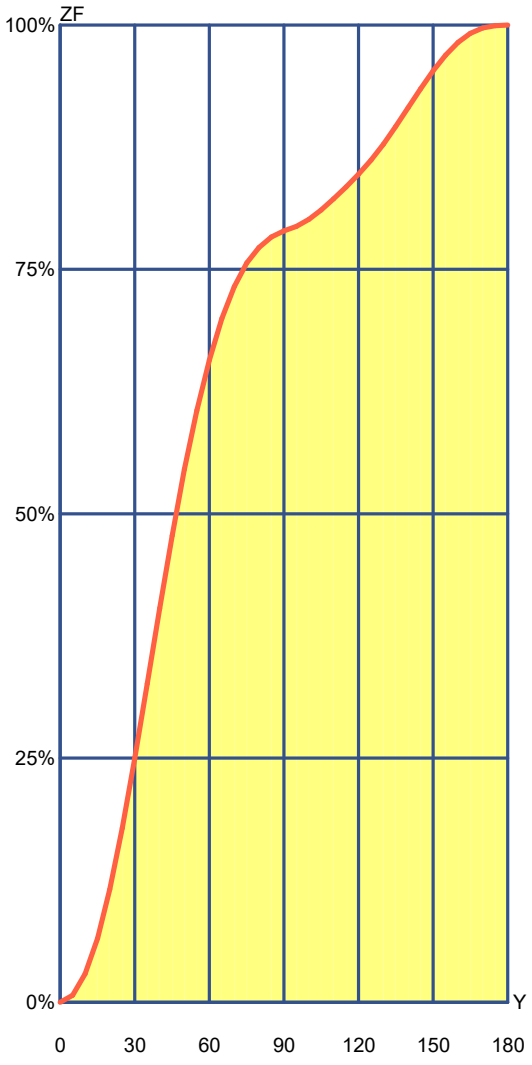
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.35	0.44	0.51	0.58	0.63	0.72	0.77	0.80	0.85	0.88	0.93	0.96
RC	4	4	4	4	4	4	4	4	4	4	4	4

Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	29	116	250	403	545	657	733	773	789	801	822	847	878	915	953	982	997	1000

CIE Flux Codes
54 83 96 79 100

C.I.E.	4	LOR	100.00000 %
D DIN 5040	B41	ULOR	21.06728 %
F UTE	0.79 D + 0.21 T	DLOR	78.93272 %
B NBN	BZ 4	UFF	21.06728 %
RN	21.06728 %	DFF	78.93272 %
BLF	1.0	FFR	26.69018 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	7.32	7.32	0.73 %	0.73 %
10°	21.92	29.24	2.19 %	2.92 %
15°	36.35	65.60	3.64 %	6.56 %
20°	50.17	115.77	5.02 %	11.58 %
25°	62.47	178.24	6.25 %	17.82 %
30°	71.36	249.60	7.14 %	24.96 %
35°	76.28	325.89	7.63 %	32.59 %
40°	77.25	403.14	7.73 %	40.31 %
45°	74.29	477.43	7.43 %	47.74 %
50°	68.06	545.49	6.81 %	54.55 %
55°	60.22	605.71	6.02 %	60.57 %
60°	51.26	656.97	5.13 %	65.70 %
65°	42.58	699.55	4.26 %	69.96 %
70°	33.01	732.56	3.30 %	73.26 %
75°	24.01	756.57	2.40 %	75.66 %
80°	15.93	772.50	1.59 %	77.25 %
85°	10.73	783.23	1.07 %	78.32 %
90°	6.10	789.33	0.61 %	78.93 %
95°	4.71	794.04	0.47 %	79.40 %
100°	7.07	801.11	0.71 %	80.11 %
105°	9.67	810.77	0.97 %	81.08 %
110°	11.32	822.09	1.13 %	82.21 %
115°	12.20	834.29	1.22 %	83.43 %
120°	13.10	847.40	1.31 %	84.74 %
125°	14.47	861.87	1.45 %	86.19 %
130°	16.16	878.03	1.62 %	87.80 %
135°	18.05	896.08	1.81 %	89.61 %
140°	19.29	915.37	1.93 %	91.54 %
145°	19.53	934.90	1.95 %	93.49 %
150°	18.37	953.26	1.84 %	95.33 %
155°	16.11	969.37	1.61 %	96.94 %
160°	12.98	982.35	1.30 %	98.24 %
165°	9.22	991.58	0.92 %	99.16 %
170°	5.41	996.98	0.54 %	99.70 %
175°	2.46	999.45	0.25 %	99.94 %
180°	0.55	1000.00	0.06 %	100.00 %

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Sources Flux	754.66 lm	Maximum value	231.52 cd	Position	C=30.00 G=10.00	CG	Double Symmetrical

Isolux (Floor)

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

