Luminaire
Code 303022yy127
Name FORA 90 LED LIGHT BEIGE SHADE
Measurem.
Code CL092A20F020G
Name FORA 90 LED LIGHT BEIGE SHADE

Luminaire Flux	946.69 lm	Luminaire Power	25.70 W	Efficacy	36.84 lm/W	Efficiency	100.00%
Sources Flux	946.69 lm	Maximum value	236.71 cd	Position	C=0.00 G=7.50	CG	Double Symmetrical

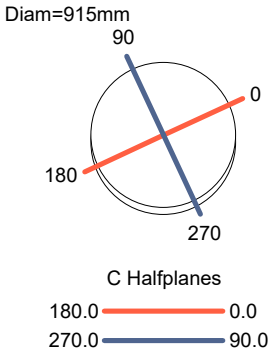
Round Luminaire	Diam. 915 mm	Height	560 mm
Round Luminous Area	Diam. 915 mm	Height	560 mm
Horizontal Luminous Area	0.657555 m2	Emitting area on Plane 180°	0.512400 m2
Emitting area on Plane 0°	0.512400 m2	Emitting area on Plane 270°	0.512400 m2
Emitting area on Plane 90°	0.512400 m2	Glare area at 76°	0.656256 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	16-12-2020	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	946.69 lm
Operator	Asselum T2	Rated Voltage	230.20 V
Temperature	24.90 °C	Rated Current	0.12 A
Humidity	29.40 %	Photocell	Prc
Notes	RM20111706		

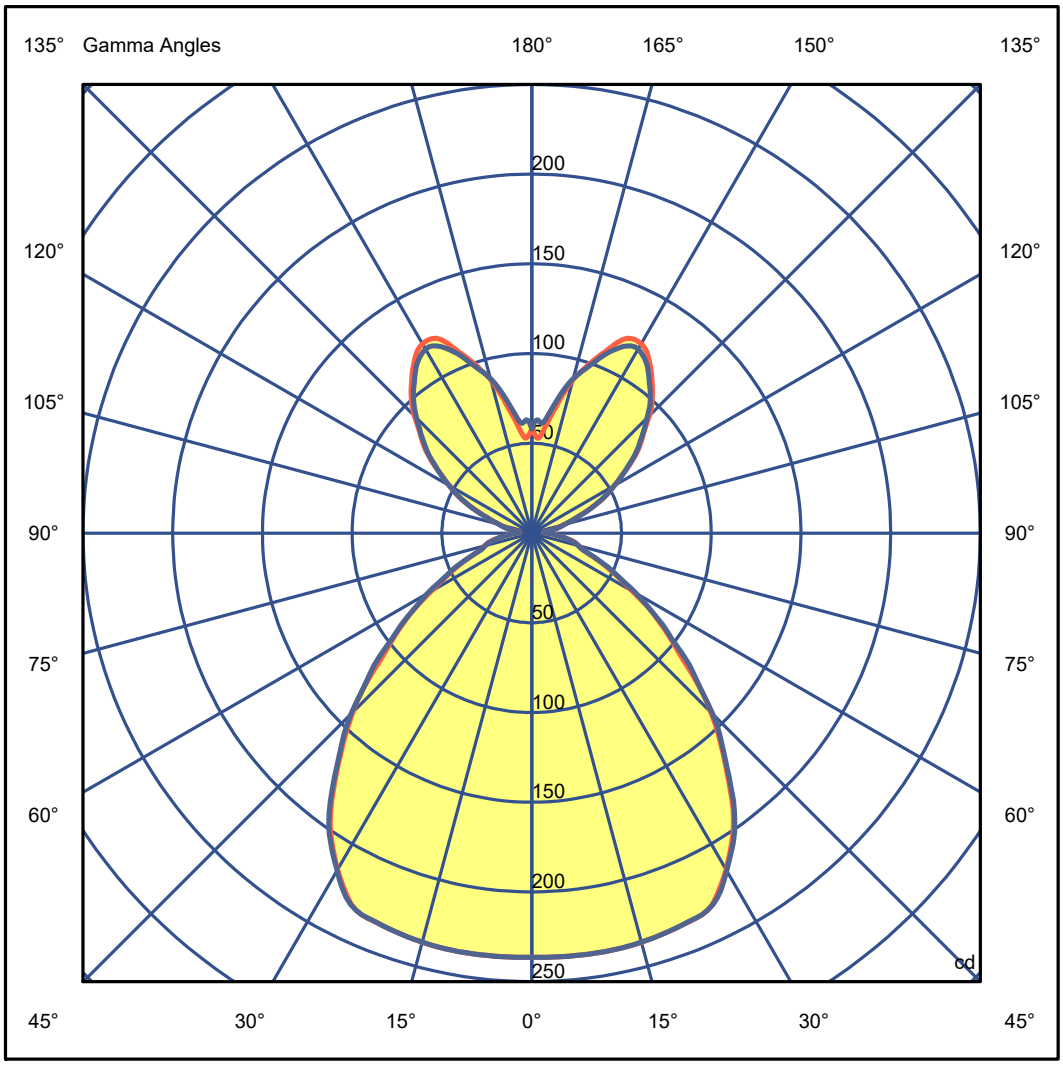
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	Mid-Power LED-5630 Ser.	SEOUL	946.69	25.71	1

C.I.E.	56 84 95 63 100	D DIN 5040	B41
F UTE	0.63 D + 0.37 T	B NBN	BZ 3 / 1 / BZ 4







ULOR 36.79 %
DLOR 63.21 %
RN 36.79 %

Luminaire
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Sources Flux	946.69 lm	Maximum value	236.71 cd	Position	C=0.00 G=7.50	CG	Double Symmetrical

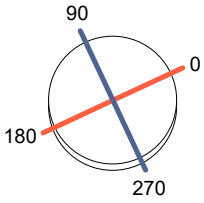
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	236.40	236.40	236.40	236.40	236.40	236.40	236.40
G 2.5	236.47	236.44	236.47	236.45	236.52	236.43	236.47
G 5.0	236.61	236.54	236.56	236.50	236.63	236.48	236.65
G 7.5	236.71	236.60	236.62	236.63	236.67	236.57	236.66
G 10.0	236.70	236.60	236.69	236.64	236.71	236.50	236.68
G 12.5	236.51	236.33	236.54	236.46	236.56	236.30	236.46
G 15.0	236.03	235.88	236.04	235.98	236.06	235.76	235.89
G 17.5	235.18	235.19	235.28	235.24	235.38	235.02	235.17
G 20.0	234.35	234.21	234.27	234.24	234.29	234.10	234.30
G 22.5	233.37	232.89	233.04	232.91	233.18	233.02	233.27
G 25.0	231.84	230.09	230.92	230.24	231.28	229.97	231.89
G 27.5	225.20	225.03	225.76	225.26	226.46	225.22	226.42
G 30.0	216.41	216.81	217.18	217.19	218.13	216.37	217.05
G 32.5	206.65	206.45	206.56	206.79	207.81	206.93	207.72
G 35.0	195.98	194.13	194.60	195.02	195.86	196.69	197.29
G 37.5	181.98	182.18	182.56	182.52	183.44	183.45	183.62
G 40.0	167.51	170.09	170.36	169.18	170.98	169.50	168.66
G 42.5	154.44	154.93	155.73	155.47	155.67	155.71	155.88
G 45.0	141.09	139.87	140.49	141.83	142.23	142.53	142.61
G 47.5	126.63	126.03	126.25	127.72	127.28	127.78	126.92
G 50.0	110.46	113.50	113.88	113.38	114.74	113.80	114.70
G 52.5	98.27	99.54	100.31	100.97	100.86	100.74	100.22
G 55.0	87.38	88.02	87.03	88.96	88.61	89.40	88.73
G 57.5	76.75	75.86	75.79	77.59	76.99	78.24	77.02
G 60.0	64.68	66.17	66.29	67.17	67.20	67.09	67.37
G 62.5	55.78	57.07	56.93	57.55	57.61	57.50	56.81
G 65.0	47.90	48.41	48.16	48.84	48.82	49.35	49.17
G 67.5	40.95	40.03	40.38	41.01	40.51	42.10	41.61
G 70.0	33.74	34.21	34.06	34.31	34.33	34.53	34.16
G 72.5	29.30	29.93	29.65	29.80	29.62	29.59	29.12
G 75.0	27.29	27.05	27.04	26.76	26.88	26.56	26.74
G 77.5	24.96	24.39	24.45	24.23	24.30	24.17	24.44
G 80.0	21.99	21.30	21.32	21.17	21.15	21.13	20.90
G 82.5	17.69	18.17	18.21	17.93	17.95	17.48	17.73
G 85.0	14.45	14.53	14.72	14.71	14.49	14.12	14.01
G 87.5	11.45	11.20	11.23	11.55	11.36	11.28	11.05
G 90.0	8.87	8.47	8.62	9.08	8.67	8.81	8.29
G 92.5	6.64	7.03	7.05	7.39	7.08	7.46	6.75
G 95.0	7.56	7.58	7.46	7.91	7.70	8.48	8.08
G 97.5	9.97	10.14	10.01	10.17	10.33	10.60	10.70
G100.0	12.68	12.94	13.04	12.73	13.26	13.23	13.25
G102.5	15.45	15.46	15.39	15.37	15.64	15.81	16.07
G105.0	18.99	18.35	18.20	18.62	18.37	18.87	19.07
G107.5	22.99	22.91	22.55	22.80	22.75	22.84	23.28
G110.0	28.05	28.23	28.33	28.23	28.04	27.66	28.20
G112.5	34.34	34.37	34.54	33.99	34.36	34.18	35.12
G115.0	41.78	40.05	40.30	40.61	40.04	40.55	41.00
G117.5	47.53	46.49	46.71	46.44	46.91	46.76	47.52
G120.0	53.32	53.14	52.96	52.93	52.74	52.53	53.19
G122.5	59.08	59.83	59.38	58.97	59.73	58.79	59.54
G125.0	66.54	65.77	65.12	65.03	65.52	65.68	65.75
G127.5	73.58	72.00	71.43	71.45	71.98	71.86	72.80
G130.0	79.56	78.52	78.24	77.89	78.32	77.41	78.50
G132.5	85.23	85.23	84.97	84.40	85.03	83.33	84.46
G135.0	92.56	91.07	90.84	90.67	90.65	89.71	90.88
G137.5	99.19	96.62	96.22	96.47	95.36	96.34	97.34
G140.0	104.57	102.83	101.05	101.52	100.30	101.47	102.62
G142.5	109.78	108.67	105.52	105.34	104.33	106.15	107.43
G145.0	114.81	113.48	109.29	106.98	107.71	110.71	112.55
G147.5	119.38	117.41	112.32	106.33	109.96	114.12	116.23
G150.0	121.82	120.02	114.32	105.29	110.51	115.45	118.45
G152.5	122.00	119.35	113.90	104.23	109.32	114.76	117.76
G155.0	118.92	115.65	111.55	102.59	106.56	111.36	113.74
G157.5	110.72	109.99	106.89	99.69	102.45	105.43	108.25
G160.0	103.30	102.68	99.81	95.80	97.11	98.62	101.23
G162.5	95.83	94.01	91.60	89.10	91.03	92.60	95.04
G165.0	88.46	84.76	83.72	81.92	82.46	85.69	89.12
G167.5	78.71	76.53	75.40	73.72	74.79	77.92	81.57
G170.0	68.76	67.31	65.46	65.22	66.87	69.61	73.02
G172.5	60.66	59.37	55.79	58.74	59.03	65.43	65.35
G175.0	54.15	54.87	50.84	55.62	55.21	63.62	61.36
G177.5	53.71	54.35	53.45	54.62	57.62	62.86	63.25
G180.0	58.10	58.10	58.10	58.10	58.10	58.10	58.10

Luminaire
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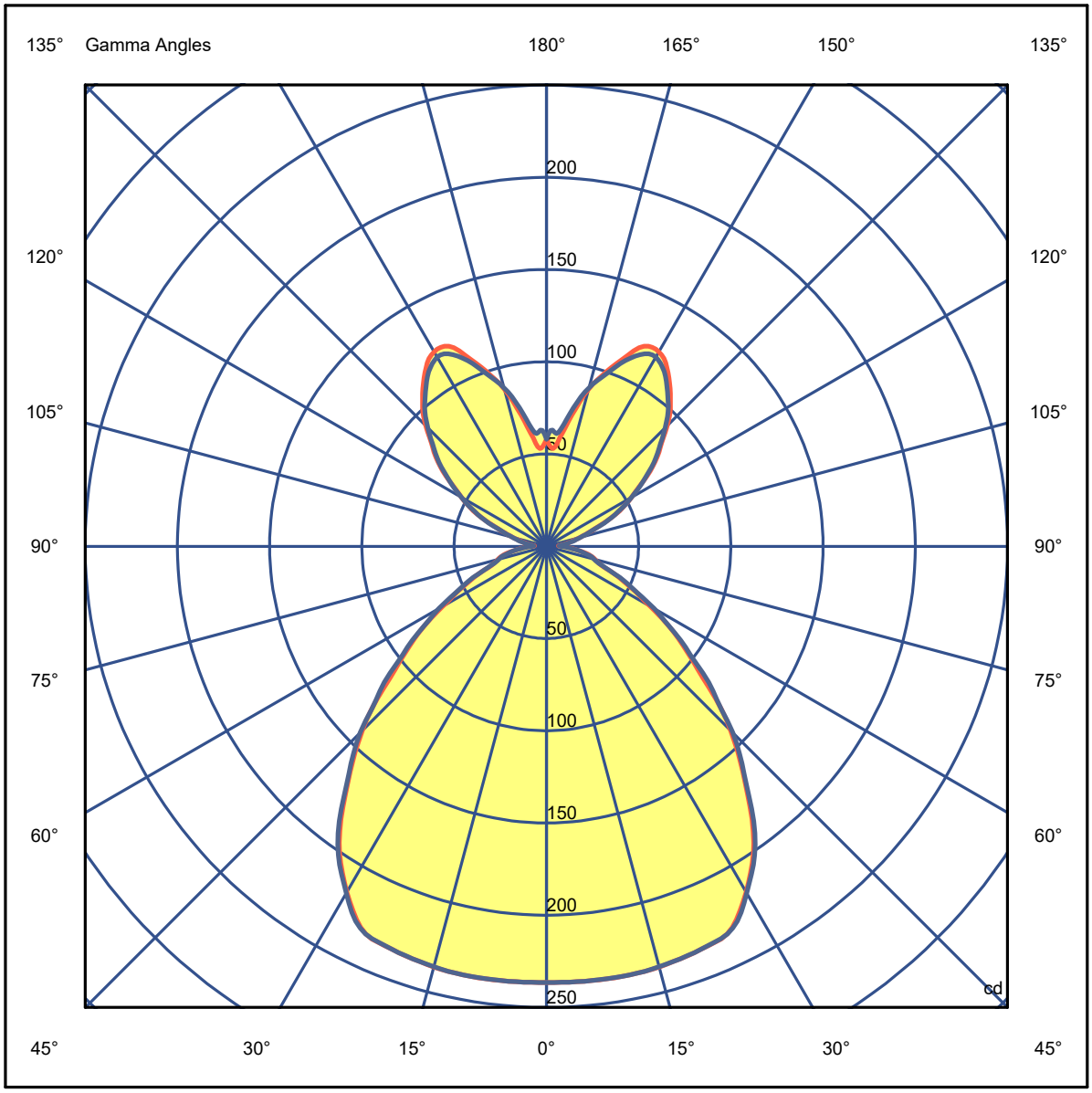
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Sources Flux	946.69 lm	Maximum value	236.71 cd	Position	C=0.00 G=7.50	CG	Double Symmetrical

Diam=915mm



C Halfplanes

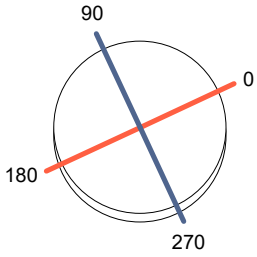




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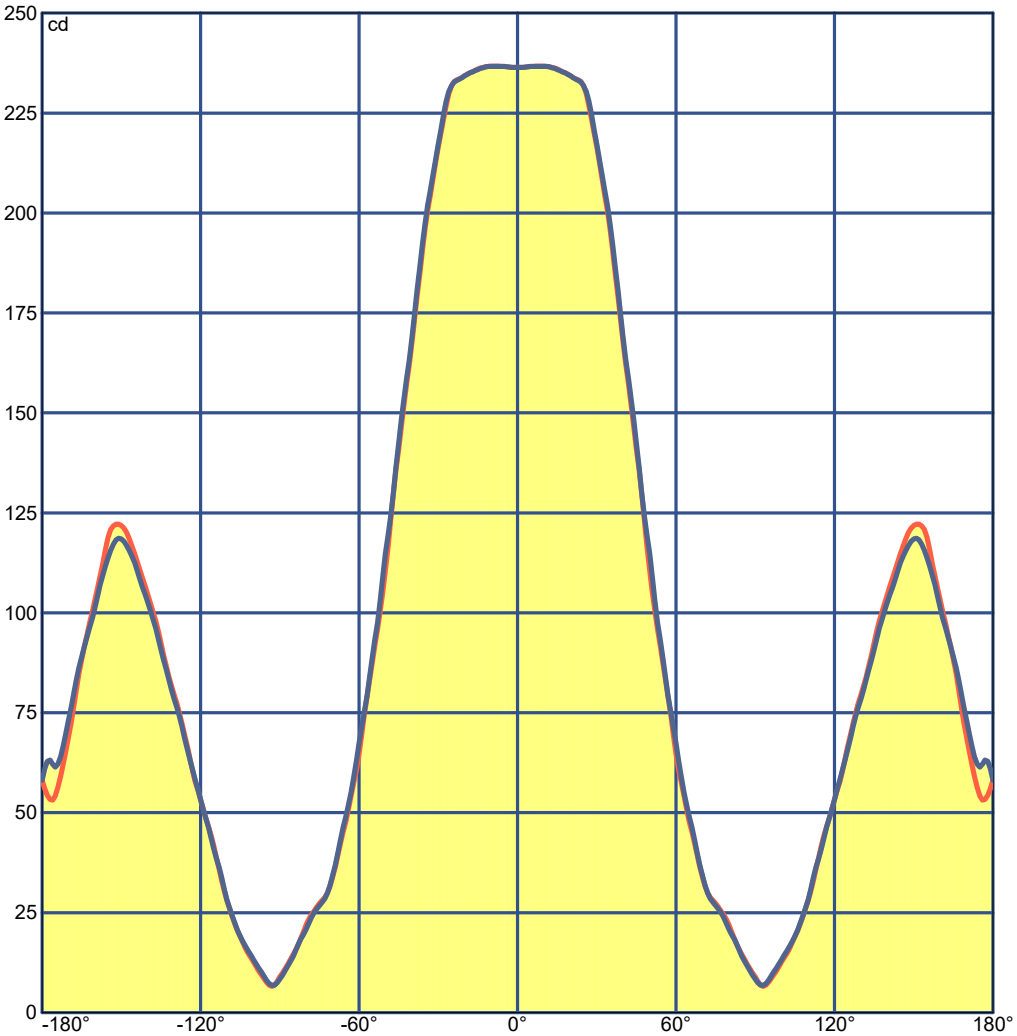
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C Halfplanes





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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	2.3	3.1	3.0	3.9	4.8	2.3	3.2	3.1	3.9	4.8
x=2H y=3H	2.8	3.5	3.6	4.3	5.3	2.9	3.6	3.6	4.4	5.3
x=2H y=4H	3.0	3.7	3.8	4.5	5.4	3.0	3.8	3.8	4.5	5.5
x=2H y=6H	3.2	3.8	4.0	4.6	5.6	3.2	3.9	4.0	4.7	5.7
x=2H y=8H	3.2	3.9	4.1	4.7	5.7	3.3	3.9	4.1	4.7	5.7
x=2H y=12H	3.3	3.9	4.1	4.7	5.7	3.3	3.9	4.2	4.7	5.8
x=4H y=2H	2.4	3.1	3.2	3.9	4.9	2.5	3.2	3.3	4.0	4.9
x=4H y=3H	3.1	3.7	3.9	4.5	5.5	3.1	3.7	4.0	4.6	5.6
x=4H y=4H	3.4	3.9	4.2	4.7	5.8	3.4	4.0	4.3	4.8	5.8
x=4H y=6H	3.7	4.2	4.6	5.0	6.1	3.7	4.2	4.6	5.1	6.1
x=4H y=8H	3.8	4.2	4.7	5.1	6.2	3.8	4.3	4.7	5.1	6.2
x=4H y=12H	3.9	4.3	4.8	5.2	6.3	3.9	4.3	4.8	5.2	6.3
x=8H y=4H	3.4	3.8	4.3	4.7	5.8	3.5	3.9	4.4	4.8	5.8
x=8H y=6H	3.9	4.2	4.8	5.1	6.2	3.9	4.2	4.8	5.1	6.2
x=8H y=8H	4.1	4.4	5.0	5.3	6.4	4.1	4.4	5.0	5.3	6.4
x=8H y=12H	4.2	4.5	5.2	5.4	6.6	4.2	4.5	5.2	5.4	6.6
x=12H y=4H	3.7	4.0	4.6	4.9	6.0	3.7	4.1	4.6	5.0	6.1
x=12H y=6H	4.1	4.4	5.0	5.3	6.5	4.1	4.4	5.0	5.3	6.5
x=12H y=8H	4.3	4.6	5.3	5.5	6.7	4.3	4.6	5.3	5.5	6.7

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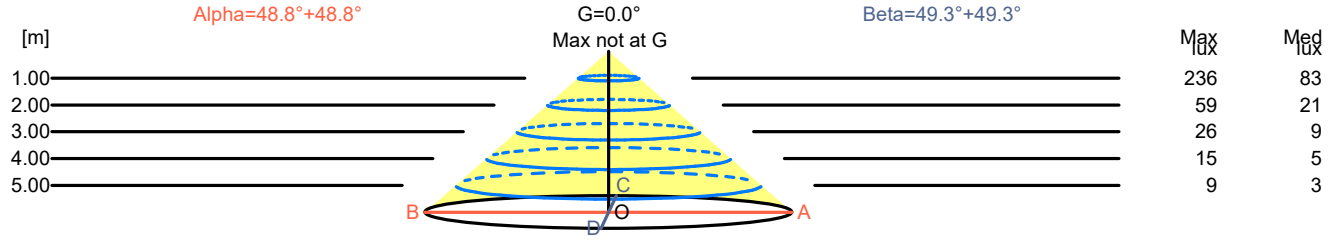
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Width at 50.00 % of Max Intensity

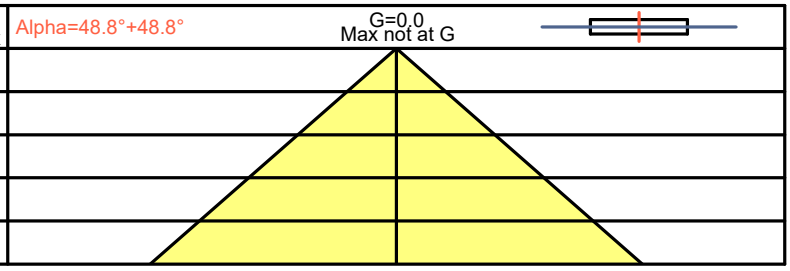
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.14	2.28	3.42	4.56	5.70	OC	1.16	2.32	3.48	4.64	5.80
OB	1.14	2.28	3.42	4.56	5.70	OD	1.16	2.32	3.48	4.64	5.80

Luminous Intensities [cd]

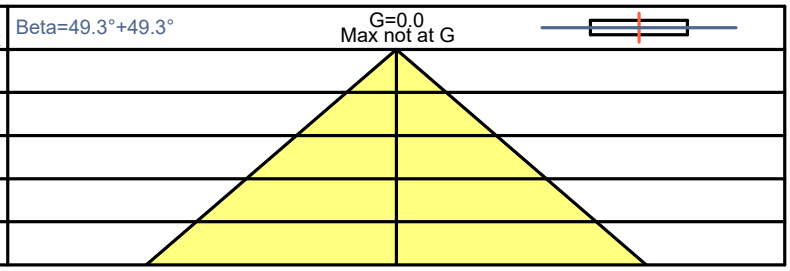
	0	5	15	25	35	45	55	65	75	85
OA	236.40	236.61	236.03	231.84	195.98	141.09	87.38	47.90	27.29	14.45
OB	236.40	236.61	236.03	231.84	195.98	141.09	87.38	47.90	27.29	14.45
OC	236.40	236.65	235.89	231.89	197.29	142.61	88.73	49.17	26.74	14.01
OD	236.40	236.65	235.89	231.89	197.29	142.61	88.73	49.17	26.74	14.01



H[m]	D[m]	Max lux	Med lux
1.00	2.28	236	83
2.00	4.56	59	21
3.00	6.84	26	9
4.00	9.12	15	5
5.00	11.40	9	3



H[m]	D[m]	Max lux	Med lux
1.00	2.32	236	83
2.00	4.64	59	21
3.00	6.96	26	9
4.00	9.28	15	5
5.00	11.61	9	3



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Total Flux=946.69 Luminaire Flux=946.69

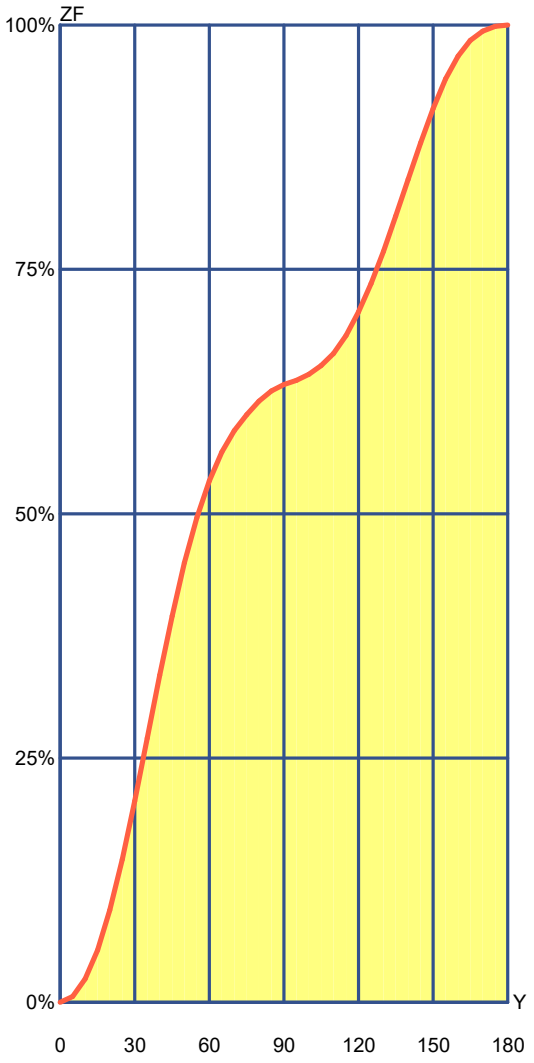
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.37	0.45	0.52	0.59	0.64	0.72	0.77	0.81	0.85	0.88	0.93	0.96
RC	4	4	4	4	4	4	4	4	4	4	4	5

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)	24	94	206	335	450	533	585	615	632	642	664	706	768	842	915	968	994	1000

CIE Flux Codes
56 84 95 63 100

C.I.E.	4/4/4/4/4/4/4/4/4/4/5	LOR	100.00000 %
D DIN 5040	B41	ULOR	36.78864 %
F UTE	0.63 D + 0.37 T	DLOR	63.21136 %
B NBN	BZ 3 / 1 / BZ 4	UFF	36.78864 %
RN	36.78864 %	DFF	63.21136 %
BLF	1.0	FFR	58.19942 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.97	5.97	0.60 %	0.60 %
10°	17.88	23.86	1.79 %	2.39 %
15°	29.62	53.47	2.96 %	5.35 %
20°	40.94	94.41	4.09 %	9.44 %
25°	51.57	145.98	5.16 %	14.60 %
30°	60.05	206.03	6.00 %	20.60 %
35°	64.22	270.25	6.42 %	27.02 %
40°	64.34	334.58	6.43 %	33.46 %
45°	60.77	395.35	6.08 %	39.54 %
50°	54.27	449.62	5.43 %	44.96 %
55°	46.18	495.80	4.62 %	49.58 %
60°	37.66	533.46	3.77 %	53.35 %
65°	29.46	562.92	2.95 %	56.29 %
70°	22.01	584.93	2.20 %	58.49 %
75°	16.61	601.54	1.66 %	60.15 %
80°	13.69	615.23	1.37 %	61.52 %
85°	10.26	625.49	1.03 %	62.55 %
90°	6.62	632.11	0.66 %	63.21 %
95°	4.45	636.56	0.44 %	63.66 %
100°	5.94	642.50	0.59 %	64.25 %
105°	8.86	651.36	0.89 %	65.14 %
110°	12.74	664.10	1.27 %	66.41 %
115°	18.35	682.45	1.83 %	68.24 %
120°	24.00	706.44	2.40 %	70.64 %
125°	28.93	735.37	2.89 %	73.54 %
130°	33.02	768.39	3.30 %	76.84 %
135°	36.08	804.47	3.61 %	80.45 %
140°	37.69	842.16	3.77 %	84.22 %
145°	37.43	879.59	3.74 %	87.96 %
150°	35.03	914.62	3.50 %	91.46 %
155°	30.23	944.85	3.02 %	94.48 %
160°	23.37	968.22	2.34 %	96.82 %
165°	16.09	984.31	1.61 %	98.43 %
170°	9.61	993.91	0.96 %	99.39 %
175°	4.65	998.56	0.47 %	99.86 %
180°	1.44	1000.00	0.14 %	100.00 %

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Code CL092A20F020G
Name FORA 90 LED LIGHT BEIGE SHADE

Luminaire Flux	946.69 lm	Luminaire Power	25.70 W	Efficacy	36.84 lm/W	Efficiency	100.00%
Sources Flux	946.69 lm	Maximum value	236.71 cd	Position	C=0.00 G=7.50	CG	Double Symmetrical

Isolux (Floor)

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

