

Luminaire

Code 00-8902-U1-J4
Name GONG

Measurement

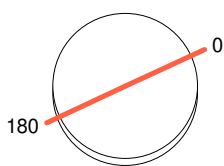
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Name GONG

Luminaire Flux	1283 lm	Luminaire Power	25.8 W	Efficacy	49.731 lm/W	Efficiency	100.00%
Source Flux	1283 lm	Maximum value	430.98 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	600 mm	Height	200 mm		
Round Luminous Area		Diam.	455 mm	Height	0 mm		
Horizontal Luminous Area			0.162597 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°			0.039336 m2
Coordinate system		CG		Symmetry Type			Rotosymmetrical
Date		21-11-2022		Maximum Gamma Angle			90
Measurement Distance		0.00		Measurement Flux			1166 lm
Operator		qualitat		Rated Voltage			
Temperature				Rated Current			
Humidity				Photocell			
Notes							

Luminaire Sources

Line	Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
			1283.05	25.80	1
C.I.E.	53 84 97 100 100	D DIN 5040	A40		
F UTE	1.00 D	B NBN	BZ 4		

Diam=600mm



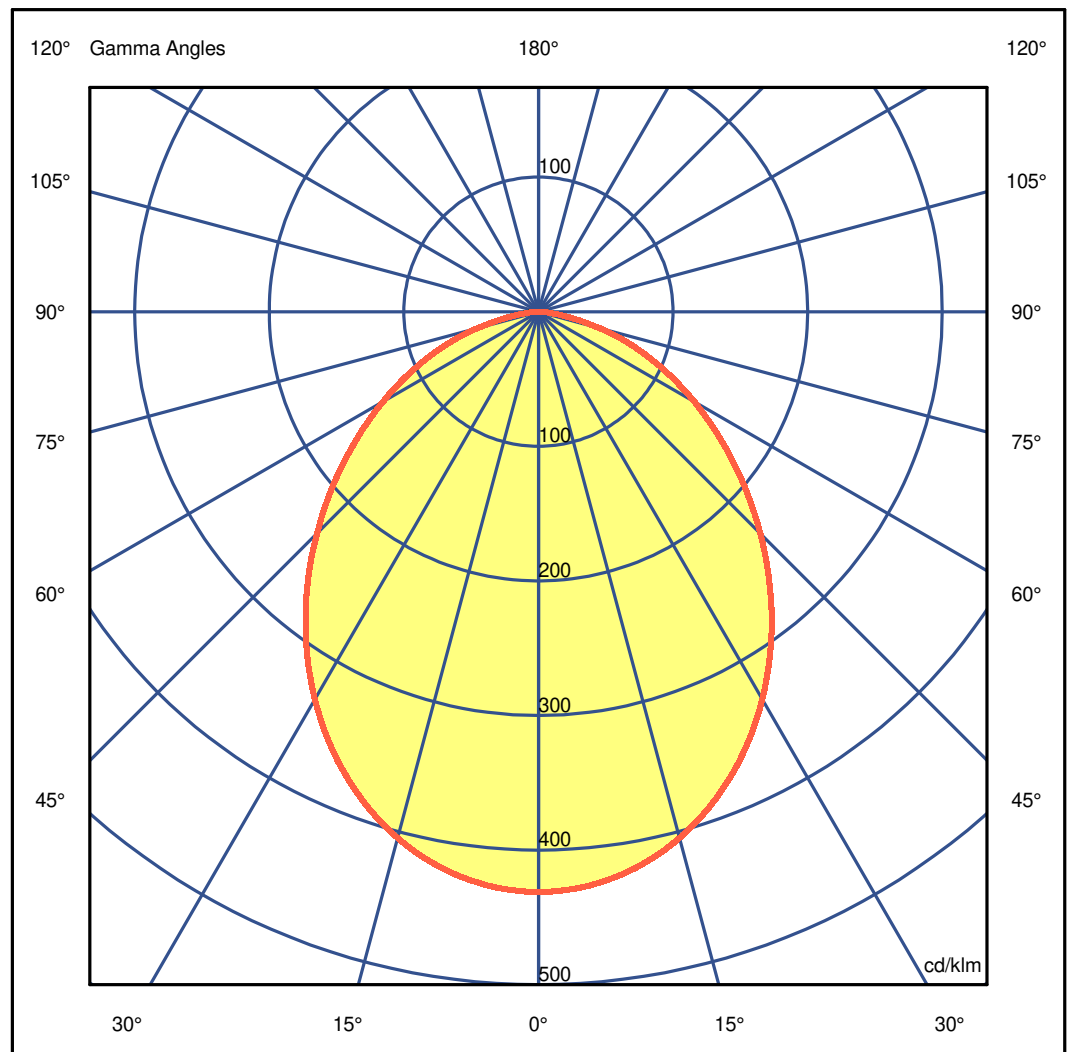
C Halfplanes

180.0 — 0.0

ULOR 0.00 %

DLOR 100.00 %

RN 0.00 %



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Luminous Intensity Table cd/klm Table 1/1

	C 0.00	C 0.00
G 0.0	430.98	G 46.0 225.97
G 1.0	430.87	G 47.0 219.09
G 2.0	430.50	G 48.0 212.24
G 3.0	429.90	G 49.0 205.36
G 4.0	429.08	G 50.0 198.58
G 5.0	428.01	G 51.0 191.79
G 6.0	426.68	G 52.0 185.09
G 7.0	425.14	G 53.0 178.43
G 8.0	423.36	G 54.0 171.85
G 9.0	421.37	G 55.0 165.31
G 10.0	419.13	G 56.0 158.82
G 11.0	416.69	G 57.0 152.39
G 12.0	414.01	G 58.0 146.04
G 13.0	411.13	G 59.0 139.81
G 14.0	408.00	G 60.0 133.62
G 15.0	404.68	G 61.0 127.54
G 16.0	401.17	G 62.0 121.49
G 17.0	397.42	G 63.0 115.54
G 18.0	393.49	G 64.0 109.64
G 19.0	389.35	G 65.0 103.80
G 20.0	385.04	G 66.0 98.00
G 21.0	380.50	G 67.0 92.25
G 22.0	375.83	G 68.0 86.54
G 23.0	370.97	G 69.0 80.85
G 24.0	365.93	G 70.0 75.17
G 25.0	360.73	G 71.0 69.53
G 26.0	355.36	G 72.0 63.92
G 27.0	349.84	G 73.0 58.26
G 28.0	344.12	G 74.0 52.61
G 29.0	338.33	G 75.0 47.02
G 30.0	332.41	G 76.0 41.66
G 31.0	326.32	G 77.0 36.59
G 32.0	320.16	G 78.0 31.78
G 33.0	313.86	G 79.0 27.18
G 34.0	307.48	G 80.0 22.87
G 35.0	300.94	G 81.0 19.01
G 36.0	294.38	G 82.0 15.73
G 37.0	287.71	G 83.0 12.86
G 38.0	281.00	G 84.0 10.31
G 39.0	274.25	G 85.0 8.19
G 40.0	267.48	G 86.0 6.60
G 41.0	260.63	G 87.0 5.44
G 42.0	253.68	G 88.0 4.59
G 43.0	246.78	G 89.0 3.89
G 44.0	239.82	G 90.0 3.40
G 45.0	232.90	

LedsC4

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Measur.

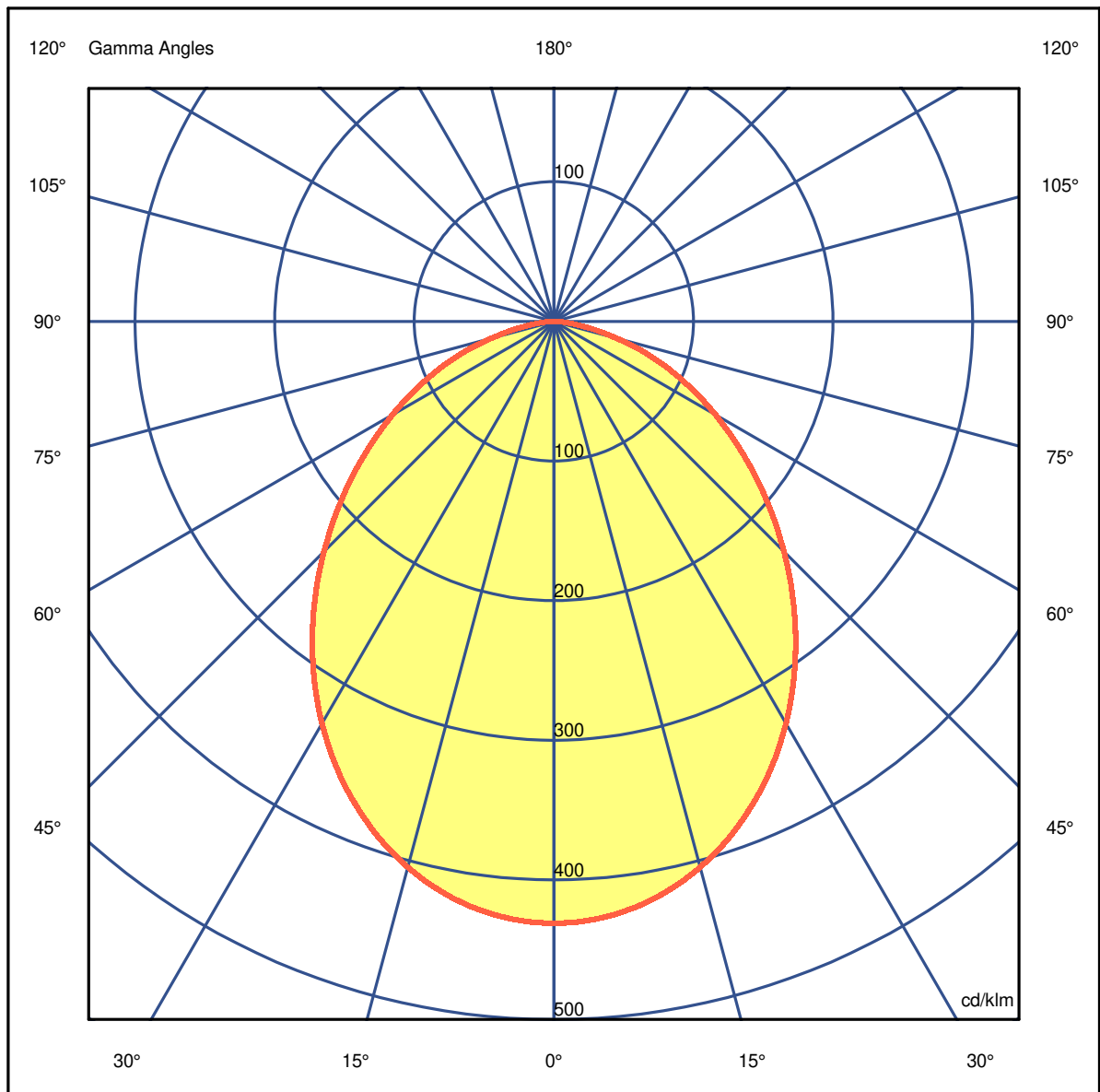
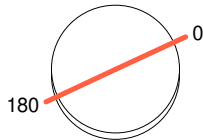
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Diam=600mm

C Halfplanes

180.0  0.0



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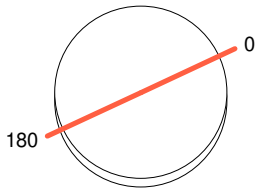
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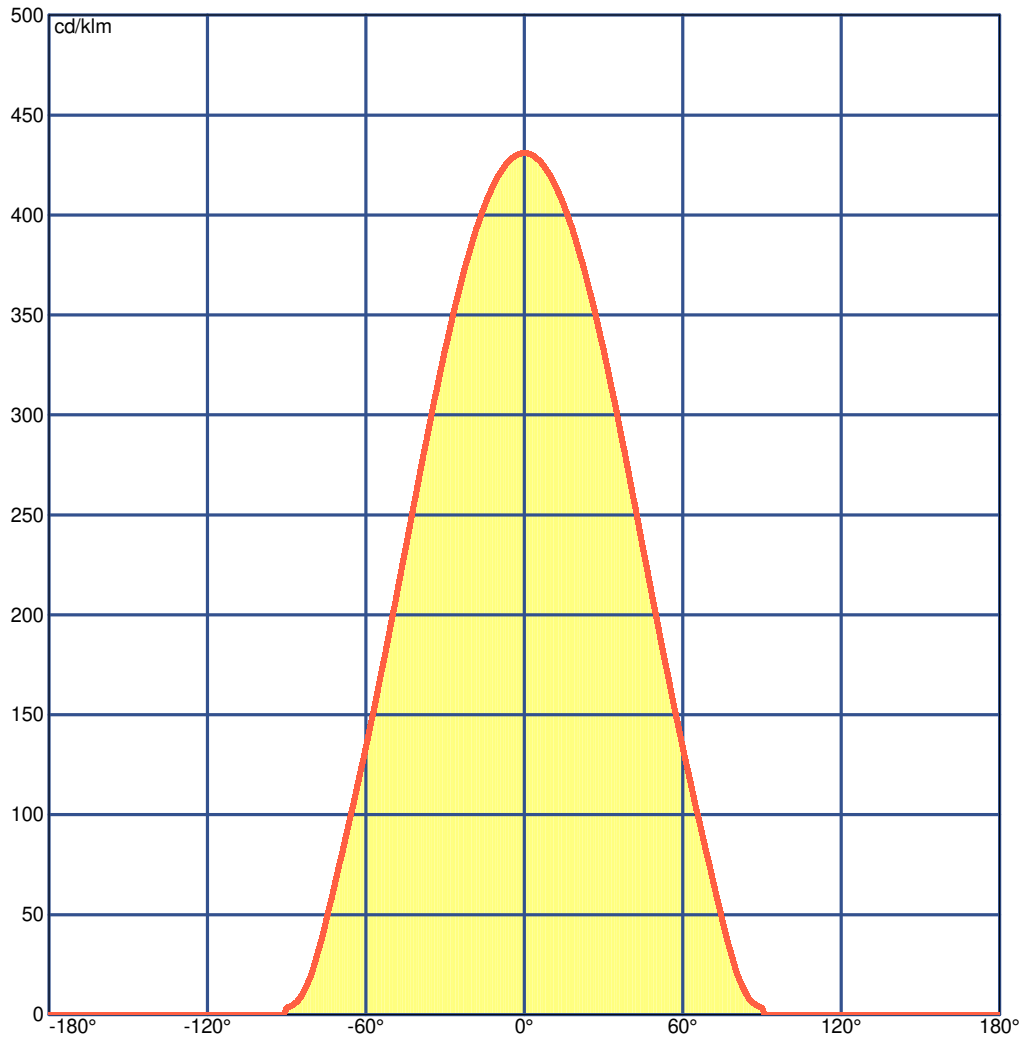
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180.0 ————— 0.0



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Source Flux	1283 lm	Maximum value	430.98 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	15.3	16.5	15.5	16.7	17.0	15.3	16.5	15.5	16.7	17.0
x=2H y=3H	16.5	17.6	16.8	17.9	18.1	16.5	17.6	16.8	17.9	18.1
x=2H y=4H	16.9	18.0	17.3	18.2	18.5	16.9	18.0	17.3	18.2	18.5
x=2H y=6H	17.1	18.1	17.5	18.4	18.7	17.1	18.1	17.5	18.4	18.7
x=2H y=8H	17.2	18.1	17.5	18.4	18.7	17.2	18.1	17.5	18.4	18.7
x=2H y=12H	17.2	18.1	17.6	18.4	18.7	17.2	18.1	17.6	18.4	18.7
x=4H y=2H	15.8	16.9	16.2	17.2	17.4	15.8	16.9	16.2	17.2	17.4
x=4H y=3H	17.2	18.1	17.6	18.5	18.8	17.2	18.1	17.6	18.5	18.8
x=4H y=4H	17.8	18.6	18.2	18.9	19.3	17.8	18.6	18.2	18.9	19.3
x=4H y=6H	18.1	18.8	18.5	19.1	19.5	18.1	18.8	18.5	19.1	19.5
x=4H y=8H	18.1	18.8	18.6	19.2	19.6	18.1	18.8	18.6	19.2	19.6
x=4H y=12H	18.2	18.7	18.6	19.1	19.6	18.2	18.7	18.6	19.1	19.6
x=8H y=4H	18.0	18.6	18.4	19.0	19.4	18.0	18.6	18.4	19.0	19.4
x=8H y=6H	18.3	18.9	18.8	19.3	19.7	18.3	18.9	18.8	19.3	19.7
x=8H y=8H	18.4	18.9	18.9	19.3	19.8	18.4	18.9	18.9	19.3	19.8
x=8H y=12H	18.5	18.9	19.0	19.4	19.9	18.5	18.9	19.0	19.4	19.9
x=12H y=4H	18.0	18.5	18.4	18.9	19.4	18.0	18.5	18.4	18.9	19.4
x=12H y=6H	18.4	18.8	18.8	19.2	19.7	18.4	18.8	18.8	19.2	19.7
x=12H y=8H	18.5	18.9	19.0	19.3	19.8	18.5	18.9	19.0	19.3	19.8

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Source Flux	1283 lm	Maximum value	430.98 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Total Flux=1283.05 Luminaire Flux=1283.05

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	0.64	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

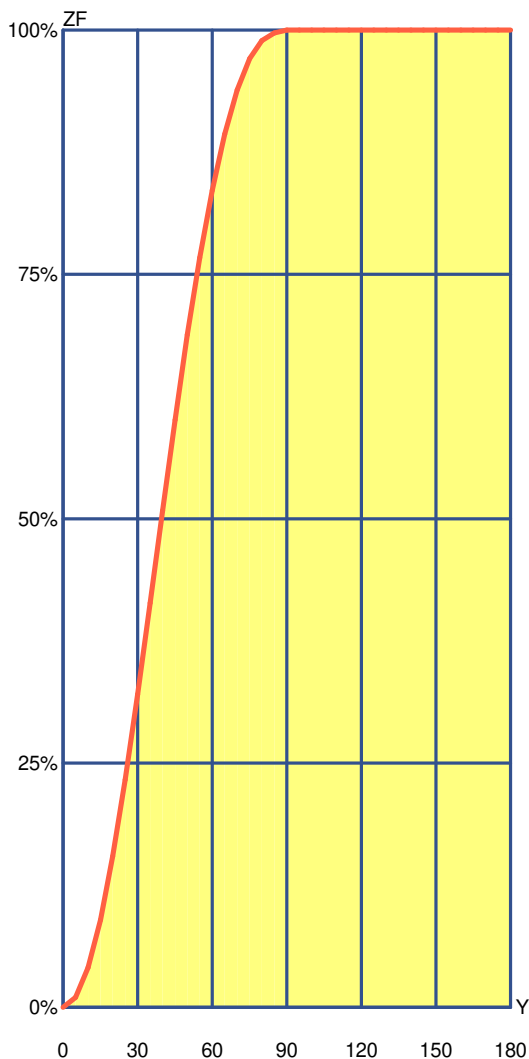
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	41	155	320	508	688	836	939	989	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

53 84 97 100 100

C.I.E.	4/4/4/4/4/4/4/4/4/3/3	LOR	100.00000 %
D DIN 5040	A40	ULOR	0.00000 %
F UTE	1.00 D	DLOR	100.00000 %
B NBN	BZ 4	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	10.27	10.27	1.03 %	1.03 %
10°	30.30	40.57	3.03 %	4.06 %
15°	48.87	89.44	4.89 %	8.94 %
20°	65.08	154.52	6.51 %	15.45 %
25°	78.20	232.72	7.82 %	23.27 %
30°	87.69	320.41	8.77 %	32.04 %
35°	93.23	413.64	9.32 %	41.36 %
40°	94.77	508.41	9.48 %	50.84 %
45°	92.56	600.97	9.26 %	60.10 %
50°	87.07	688.04	8.71 %	68.80 %
55°	78.99	767.03	7.90 %	76.70 %
60°	68.96	835.99	6.90 %	83.60 %
65°	57.60	893.59	5.76 %	89.36 %
70°	45.24	938.84	4.52 %	93.88 %
75°	31.90	970.74	3.19 %	97.07 %
80°	18.40	989.14	1.84 %	98.91 %
85°	7.98	997.12	0.80 %	99.71 %
90°	2.88	1000.00	0.29 %	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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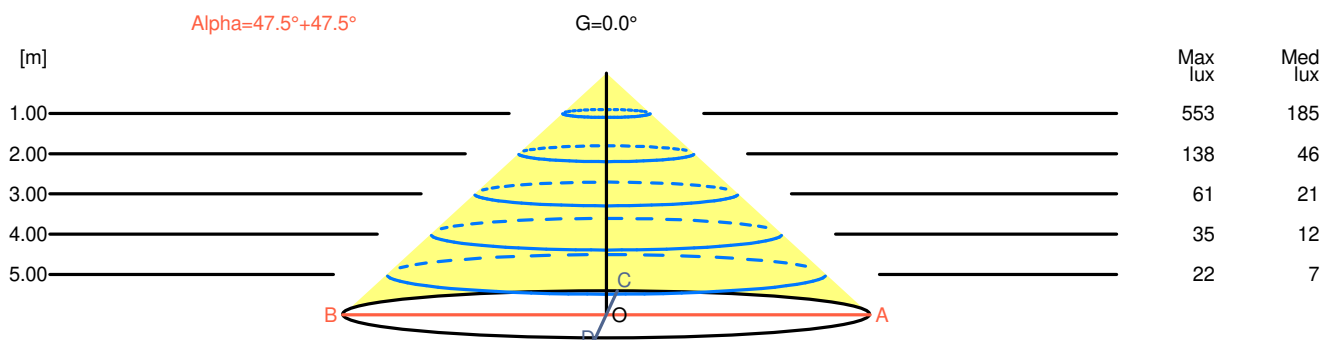
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Source Flux	1283 lm	Maximum value	430.98 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	1.09	2.18	3.28	4.37	5.46	OC	1.09	2.18	3.28	4.37	5.46
OB	1.09	2.18	3.28	4.37	5.46	OD	1.09	2.18	3.28	4.37	5.46

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	552.97	549.16	519.22	462.84	386.13	298.82	212.11	133.18	60.33	10.50
OB	552.97	549.16	519.22	462.84	386.13	298.82	212.11	133.18	60.33	10.50
OC	552.97	549.16	519.22	462.84	386.13	298.82	212.11	133.18	60.33	10.50
OD	552.97	549.16	519.22	462.84	386.13	298.82	212.11	133.18	60.33	10.50



H[m]	D[m]	Max lux	Med lux	Alpha=47.5°+47.5°	G=0.0	
1.00	2.18	553	185			
2.00	4.37	138	46			
3.00	6.55	61	21			
4.00	8.74	35	12			
5.00	10.92	22	7			

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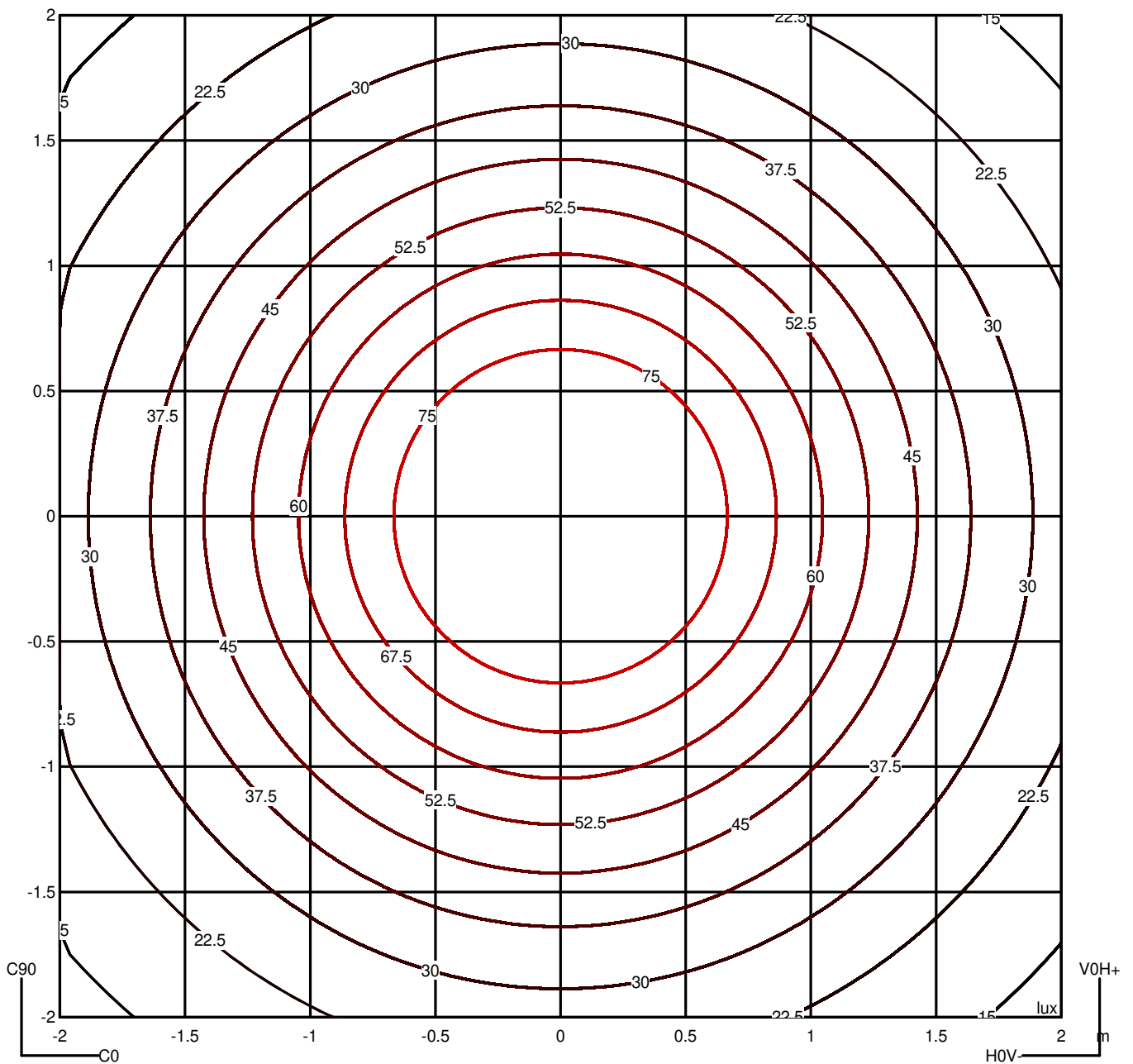
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Isolux (Floor)

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



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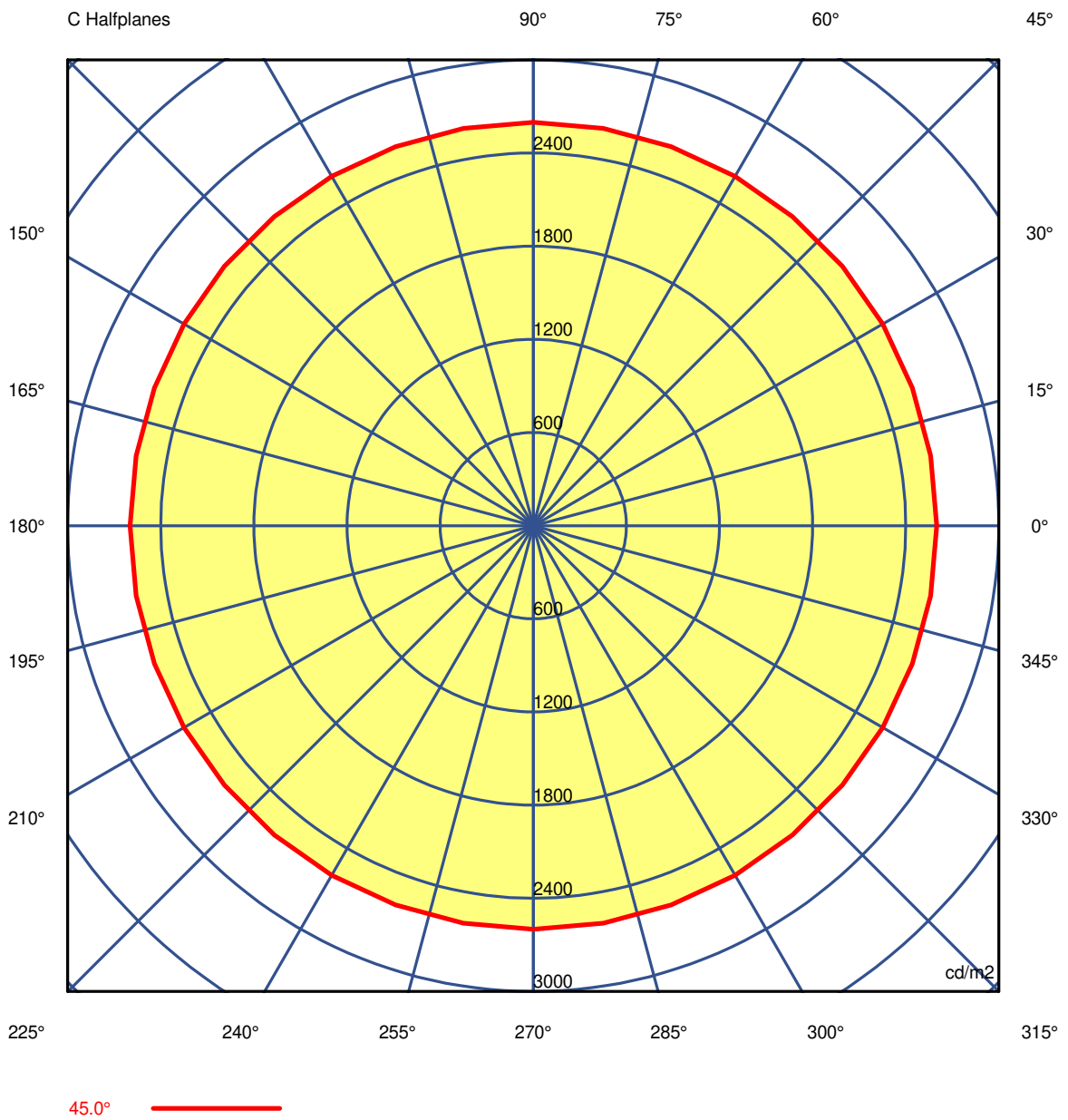
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Luminance



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Source Flux	1283 lm	Maximum value	430.98 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminance cd/m2 Table 1/3

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88
G 5.0	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35
G 10.0	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39
G 15.0	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97
G 20.0	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30
G 25.0	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81
G 30.0	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81
G 35.0	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03
G 40.0	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26
G 45.0	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00
G 50.0	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78
G 55.0	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31
G 60.0	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83
G 65.0	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09
G 70.0	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34
G 75.0	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50
G 80.0	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12
G 85.0	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Luminance cd/m2 Table 2/3

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88
G 5.0	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35
G 10.0	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39
G 15.0	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97
G 20.0	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30
G 25.0	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81
G 30.0	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81
G 35.0	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03
G 40.0	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26
G 45.0	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00
G 50.0	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78
G 55.0	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31
G 60.0	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83
G 65.0	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09
G 70.0	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34
G 75.0	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50
G 80.0	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12
G 85.0	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire

Code 00-8902-U1-J4
Name GONG

Measurem.

Code 00-8902-U1-J4
Name GONG

Luminaire Flux	1283 lm	Luminaire Power	25.8 W	Efficacy	49.731 lm/W	Efficiency	100.00%
Source Flux	1283 lm	Maximum value	430.98 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Luminance cd/m2 Table 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88	3400.88
G 5.0	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35	3390.35
G 10.0	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39	3358.39
G 15.0	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97	3305.97
G 20.0	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30	3233.30
G 25.0	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81	3140.81
G 30.0	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81	3028.81
G 35.0	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03	2899.03
G 40.0	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26	2755.26
G 45.0	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00	2599.00
G 50.0	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78	2437.78
G 55.0	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31	2274.31
G 60.0	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83	2108.83
G 65.0	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09	1938.09
G 70.0	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34	1734.34
G 75.0	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50	1433.50
G 80.0	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12	1039.12
G 85.0	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24	741.24
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire

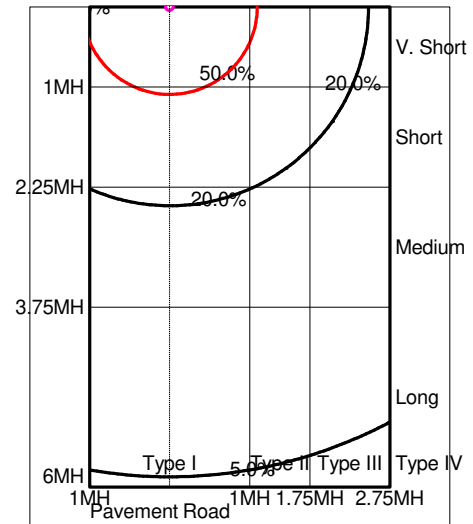
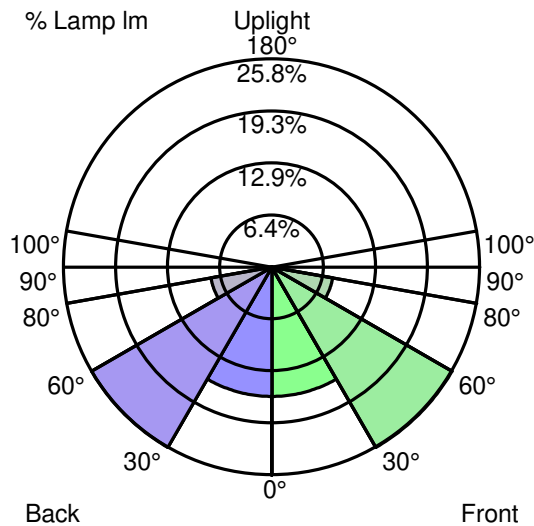
Code 00-8902-U1-J4
Name GONG

Measurement

Code 00-8902-U1-J4
Name GONG

Luminaire Flux	1283 lm	Luminaire Power	25.8 W	Efficacy	49.731 lm/W	Efficiency	100.00%
Source Flux	1283 lm	Maximum value	430.98 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

US ROAD STANDARDS



Luminaire Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL 0° -- 30°	205.5 lm	16.0 %	16.0 %
FM 30° -- 60°	330.8 lm	25.8 %	25.8 %
FH 60° -- 80°	98.3 lm	7.7 %	7.7 %
FVH 80° -- 90°	6.9 lm	0.5 %	0.5 %
BL 0° -- 30°	205.5 lm	16.0 %	16.0 %
BM 30° -- 60°	330.8 lm	25.8 %	25.8 %
BH 60° -- 80°	98.3 lm	7.7 %	7.7 %
BVH 80° -- 90°	6.9 lm	0.5 %	0.5 %
UL 90° -- 100°	0.0 lm	0.0 %	0.0 %
UH 100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS	1283.1 lm	100.0 %	100.0 %
BUG B1 U0 G0 Type V Very Short Quadrilateral Symmetry			