

Luminaire

Code 15-8902-U1-J4
Name GONG

Measurement

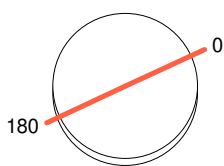
Code 15-8902-U1-J4
Name GONG

Luminaire Flux	1610 lm	Luminaire Power	34.2 W	Efficacy	47.080 lm/W	Efficiency	100.00%
Source Flux	1610 lm	Maximum value	430.79 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			1464 lm
Operator		qualitat		Rated Voltage			
Temperature				Rated Current			
Humidity				Photocell			
Notes							

Luminaire Sources

Line	Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
			1610.15	34.20	1
C.I.E.	53 83 97 100 100	D DIN 5040	A40		
F UTE	1.00 D	B NBN	BZ 4		

Diam=600mm



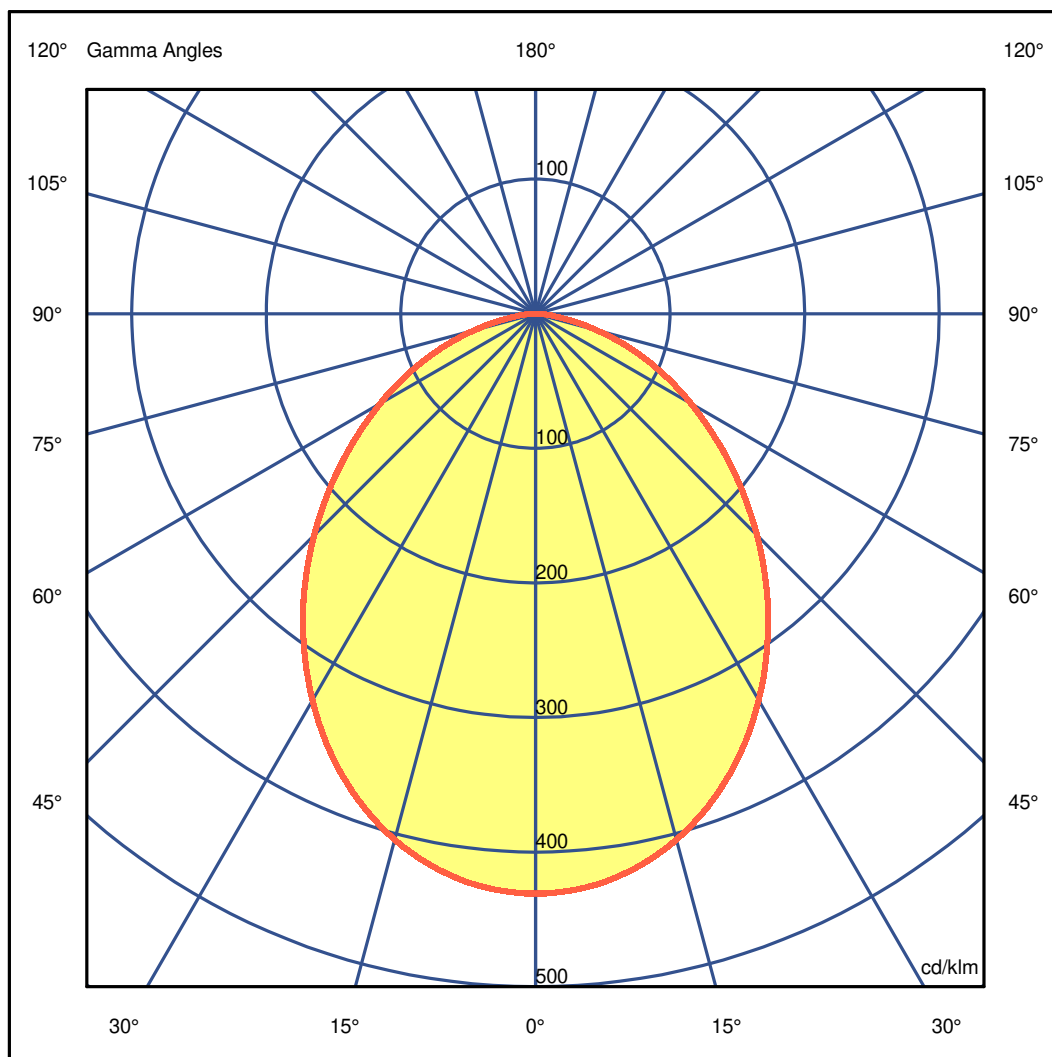
C Halfplanes

180.0 — 0.0

ULOR 0.00 %

DLOR100.00 %

RN 0.00 %



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Luminous Intensity Table cd/klm Table 1/1

	C 0.00	C 0.00
G 0.0	430.79	G 46.0 225.78
G 1.0	430.68	G 47.0 218.84
G 2.0	430.31	G 48.0 211.94
G 3.0	429.71	G 49.0 205.03
G 4.0	428.88	G 50.0 198.26
G 5.0	427.81	G 51.0 191.49
G 6.0	426.51	G 52.0 184.81
G 7.0	424.96	G 53.0 178.10
G 8.0	423.18	G 54.0 171.52
G 9.0	421.16	G 55.0 164.93
G 10.0	418.92	G 56.0 158.40
G 11.0	416.45	G 57.0 151.97
G 12.0	413.79	G 58.0 145.62
G 13.0	410.88	G 59.0 139.41
G 14.0	407.76	G 60.0 133.23
G 15.0	404.40	G 61.0 127.16
G 16.0	400.87	G 62.0 121.11
G 17.0	397.11	G 63.0 115.17
G 18.0	393.16	G 64.0 109.21
G 19.0	389.00	G 65.0 103.35
G 20.0	384.64	G 66.0 97.55
G 21.0	380.06	G 67.0 91.85
G 22.0	375.31	G 68.0 86.22
G 23.0	370.43	G 69.0 80.61
G 24.0	365.33	G 70.0 74.95
G 25.0	360.10	G 71.0 69.31
G 26.0	354.68	G 72.0 63.80
G 27.0	349.12	G 73.0 58.23
G 28.0	343.35	G 74.0 52.67
G 29.0	337.49	G 75.0 47.35
G 30.0	331.56	G 76.0 42.20
G 31.0	325.45	G 77.0 37.28
G 32.0	319.30	G 78.0 32.67
G 33.0	312.97	G 79.0 28.30
G 34.0	306.63	G 80.0 24.21
G 35.0	300.11	G 81.0 20.51
G 36.0	293.70	G 82.0 17.31
G 37.0	287.16	G 83.0 14.47
G 38.0	280.54	G 84.0 11.97
G 39.0	273.87	G 85.0 9.76
G 40.0	267.14	G 86.0 7.89
G 41.0	260.43	G 87.0 6.36
G 42.0	253.54	G 88.0 5.14
G 43.0	246.68	G 89.0 4.20
G 44.0	239.72	G 90.0 3.57
G 45.0	232.76	

LedsC4

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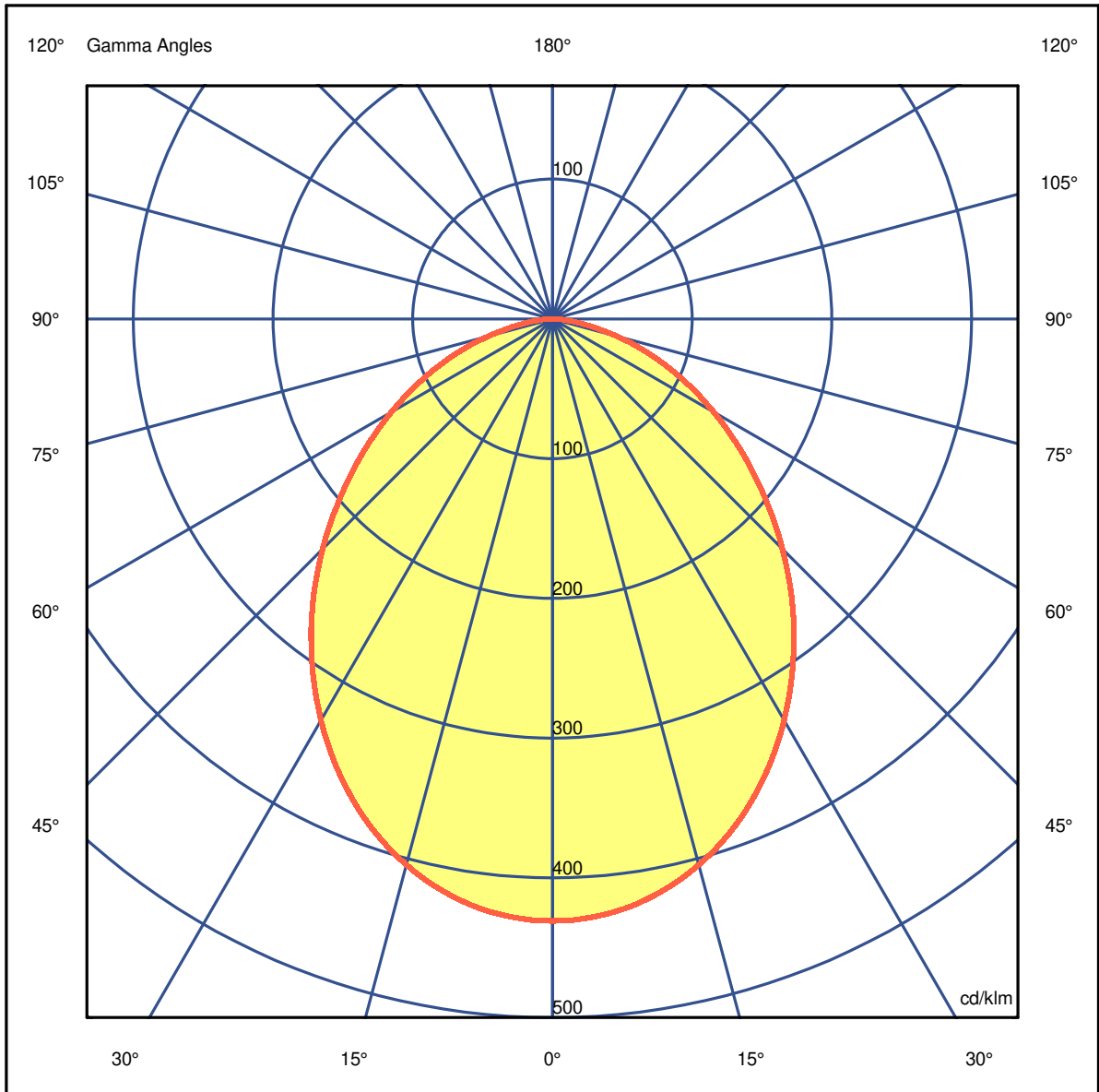
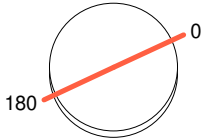
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Diam=600mm

C Halfplanes

180.0  0.0



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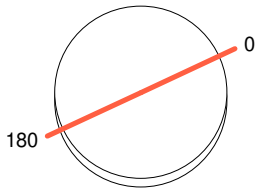
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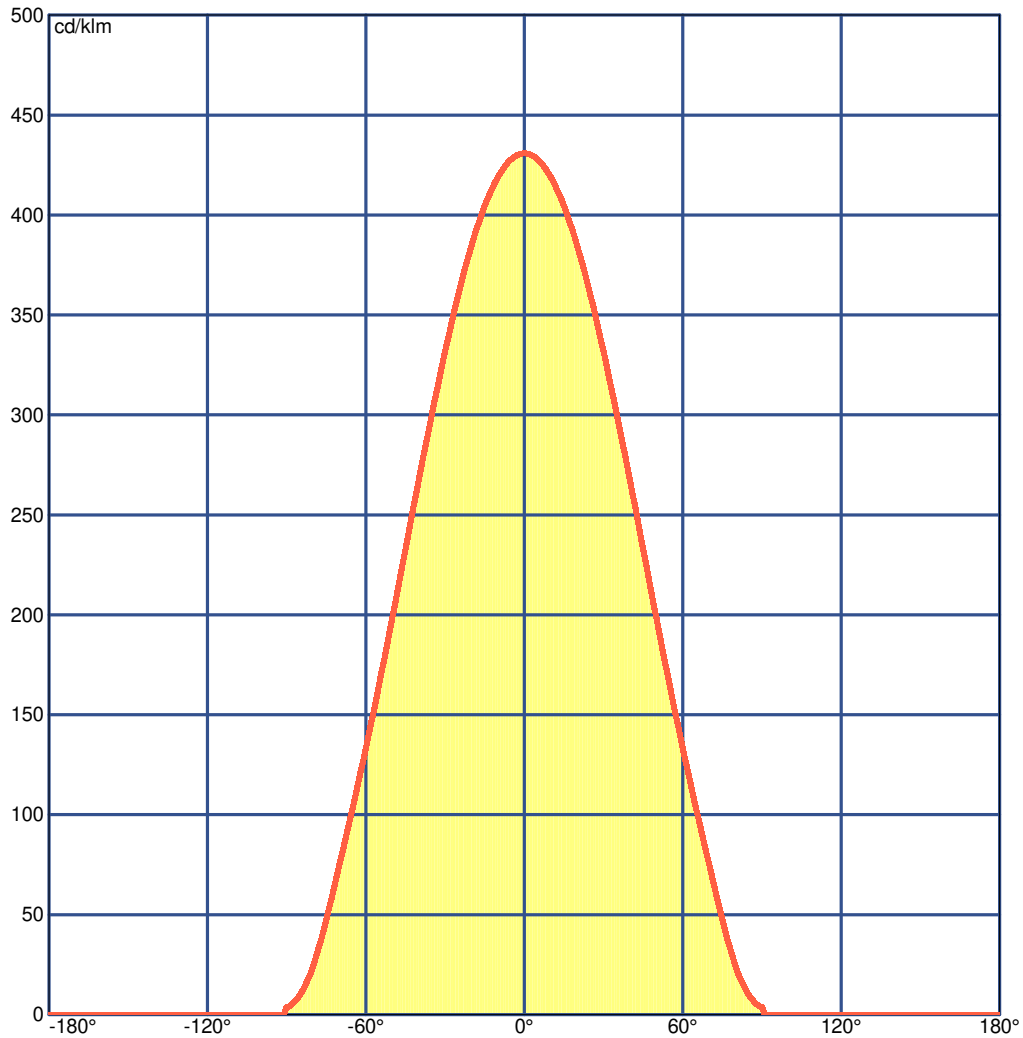
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Source Flux	1610 lm	Maximum value	430.79 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Diam=600mm

C Halfplanes



180.0 ————— 0.0



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Source Flux	1610 lm	Maximum value	430.79 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	16.0	17.3	16.3	17.5	17.7	16.0	17.3	16.3	17.5	17.7
x=2H y=3H	17.3	18.4	17.6	18.7	18.9	17.3	18.4	17.6	18.7	18.9
x=2H y=4H	17.7	18.8	18.0	19.0	19.3	17.7	18.8	18.0	19.0	19.3
x=2H y=6H	17.9	18.9	18.3	19.2	19.5	17.9	18.9	18.3	19.2	19.5
x=2H y=8H	18.0	18.9	18.3	19.2	19.6	18.0	18.9	18.3	19.2	19.6
x=2H y=12H	18.0	18.9	18.4	19.2	19.6	18.0	18.9	18.4	19.2	19.6
x=4H y=2H	16.6	17.7	16.9	17.9	18.2	16.6	17.7	16.9	17.9	18.2
x=4H y=3H	18.0	18.9	18.4	19.2	19.6	18.0	18.9	18.4	19.2	19.6
x=4H y=4H	18.5	19.3	18.9	19.7	20.0	18.5	19.3	18.9	19.7	20.0
x=4H y=6H	18.9	19.6	19.3	19.9	20.3	18.9	19.6	19.3	19.9	20.3
x=4H y=8H	19.0	19.6	19.4	20.0	20.4	19.0	19.6	19.4	20.0	20.4
x=4H y=12H	19.0	19.6	19.5	20.0	20.4	19.0	19.6	19.5	20.0	20.4
x=8H y=4H	18.7	19.4	19.2	19.8	20.2	18.7	19.4	19.2	19.8	20.2
x=8H y=6H	19.2	19.7	19.6	20.1	20.6	19.2	19.7	19.6	20.1	20.6
x=8H y=8H	19.3	19.7	19.8	20.2	20.7	19.3	19.7	19.8	20.2	20.7
x=8H y=12H	19.4	19.8	19.9	20.2	20.7	19.4	19.8	19.9	20.2	20.7
x=12H y=4H	18.7	19.3	19.2	19.7	20.2	18.7	19.3	19.2	19.7	20.2
x=12H y=6H	19.2	19.6	19.7	20.1	20.6	19.2	19.6	19.7	20.1	20.6
x=12H y=8H	19.3	19.7	19.8	20.2	20.7	19.3	19.7	19.8	20.2	20.7

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Source Flux	1610 lm	Maximum value	430.79 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Total Flux=1610.15 Luminaire Flux=1610.15

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	0.85	0.88	0.94	0.97
RC	4	4	4	4	4	4	4	4	4	4	3	3

Zonal Flux per 1000 Lumen

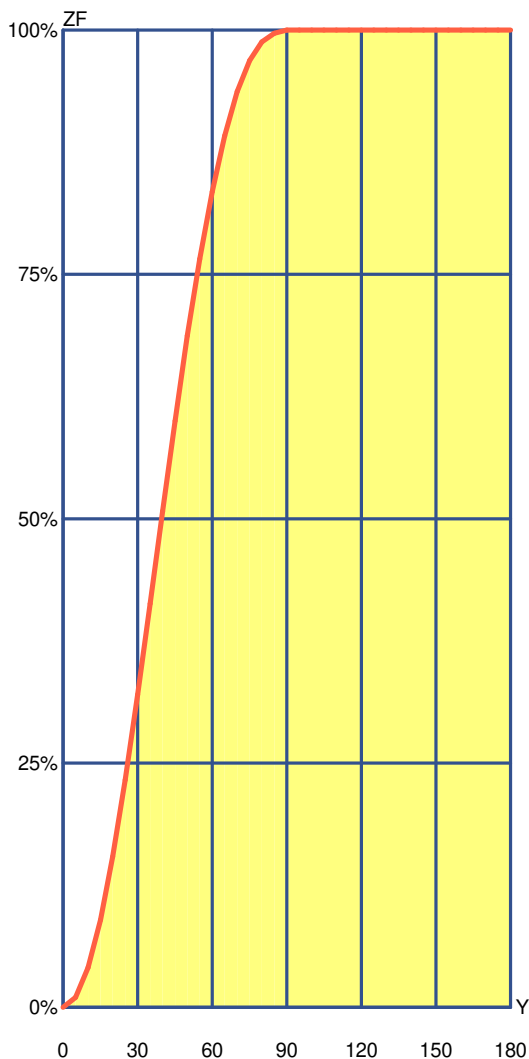
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	41	154	320	508	687	835	937	988	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

53 83 97 100 100

C.I.E. 4/4/4/4/4/4/4/4/4/3/3
D DIN 5040 A40
F UTE 1.00 D
B NBN BZ 4
RN 0.00000 %
BLF 1.0

LOR 100.00000 %
ULOR 0.00000 %
DLOR 100.00000 %
UFF 0.00000 %
DFF 100.00000 %
FFR 0.00000 %



Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	10.26	10.26	1.03 %	1.03 %
10°	30.29	40.55	3.03 %	4.06 %
15°	48.84	89.39	4.88 %	8.94 %
20°	65.02	154.42	6.50 %	15.44 %
25°	78.09	232.51	7.81 %	23.25 %
30°	87.50	320.01	8.75 %	32.00 %
35°	92.98	412.98	9.30 %	41.30 %
40°	94.59	507.57	9.46 %	50.76 %
45°	92.51	600.08	9.25 %	60.01 %
50°	86.97	687.05	8.70 %	68.70 %
55°	78.85	765.90	7.89 %	76.59 %
60°	68.77	834.67	6.88 %	83.47 %
65°	57.41	892.08	5.74 %	89.21 %
70°	45.07	937.15	4.51 %	93.71 %
75°	31.87	969.02	3.19 %	96.90 %
80°	18.84	987.86	1.88 %	98.79 %
85°	8.82	996.69	0.88 %	99.67 %
90°	3.31	1000.00	0.33 %	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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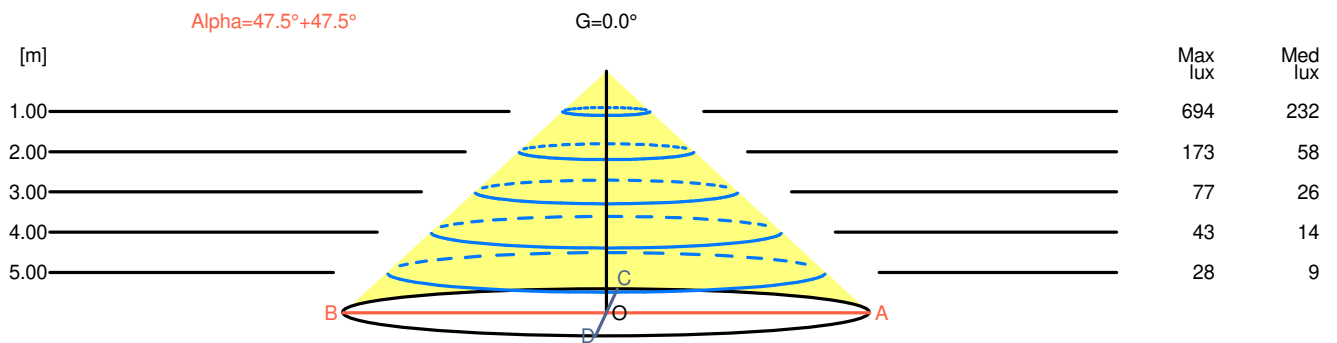
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Source Flux	1610 lm	Maximum value	430.79 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	3.27	4.37	5.46	OC	1.09	2.18	3.27	4.37	5.46
OB	1.09	2.18	3.27	4.37	5.46	OD	1.09	2.18	3.27	4.37	5.46

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	693.64	688.84	651.14	579.82	483.22	374.78	265.57	166.40	76.24	15.72
OB	693.64	688.84	651.14	579.82	483.22	374.78	265.57	166.40	76.24	15.72
OC	693.64	688.84	651.14	579.82	483.22	374.78	265.57	166.40	76.24	15.72
OD	693.64	688.84	651.14	579.82	483.22	374.78	265.57	166.40	76.24	15.72



H[m]	D[m]	Max lux	Med lux	Alpha=47.5°+47.5°	G=0.0
1.00	2.18	694	232		
2.00	4.37	173	58		
3.00	6.55	77	26		
4.00	8.73	43	14		
5.00	10.91	28	9		

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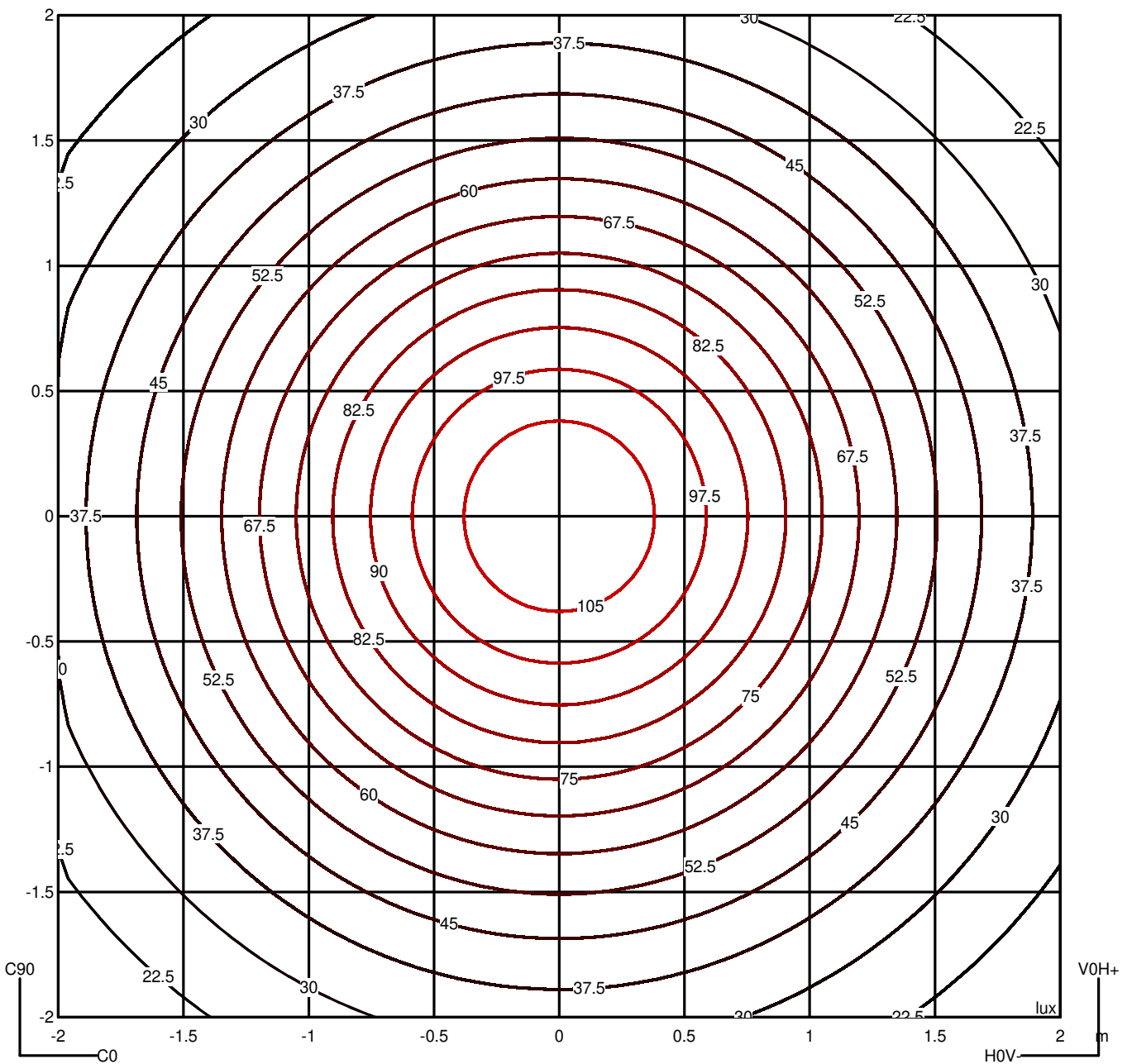
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Isolux (Floor)

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



LedsC4

Luminaire

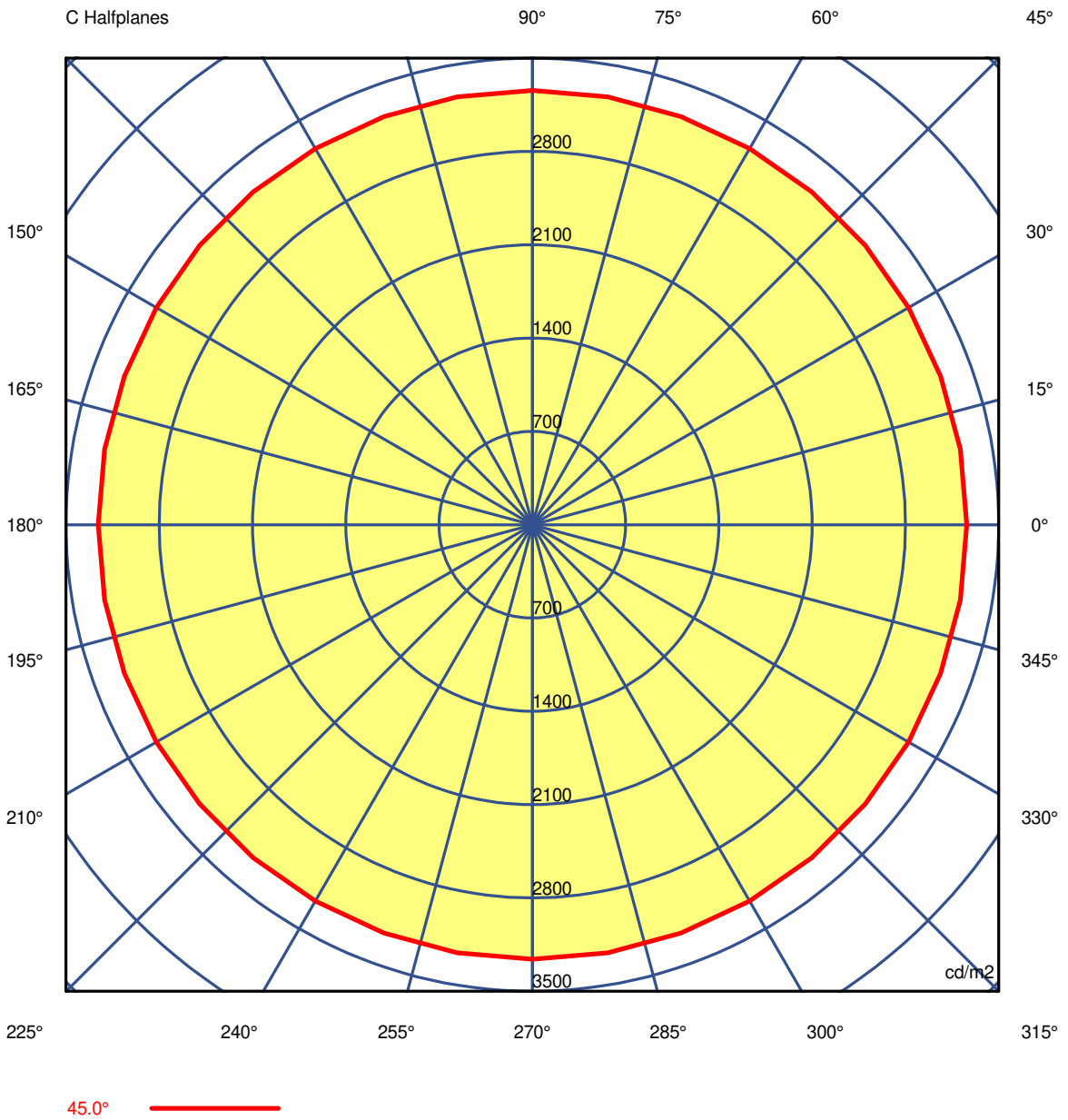
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Luminance



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Source Flux	1610 lm	Maximum value	430.79 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	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98
G 5.0	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69
G 10.0	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42
G 15.0	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90
G 20.0	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41
G 25.0	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61
G 30.0	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21
G 35.0	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98
G 40.0	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32
G 45.0	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68
G 50.0	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37
G 55.0	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55
G 60.0	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69
G 65.0	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60
G 70.0	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96
G 75.0	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74
G 80.0	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50
G 85.0	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49
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	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98
G 5.0	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69
G 10.0	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42
G 15.0	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90
G 20.0	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41
G 25.0	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61
G 30.0	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21
G 35.0	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98
G 40.0	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32
G 45.0	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68
G 50.0	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37
G 55.0	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55
G 60.0	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69
G 65.0	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60
G 70.0	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96
G 75.0	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74
G 80.0	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50
G 85.0	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49
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 15-8902-U1-J4
Name GONG

Measur.

Code 15-8902-U1-J4
Name GONG

Luminaire Flux	1610 lm	Luminaire Power	34.2 W	Efficacy	47.080 lm/W	Efficiency	100.00%
Source Flux	1610 lm	Maximum value	430.79 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	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98	4265.98
G 5.0	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69	4252.69
G 10.0	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42	4212.42
G 15.0	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90	4145.90
G 20.0	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41	4053.41
G 25.0	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61	3934.61
G 30.0	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21	3791.21
G 35.0	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98	3627.98
G 40.0	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32	3453.32
G 45.0	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68	3259.68
G 50.0	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37	3054.37
G 55.0	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55	2847.55
G 60.0	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69	2638.69
G 65.0	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60	2421.60
G 70.0	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96	2169.96
G 75.0	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74	1811.74
G 80.0	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50	1380.50
G 85.0	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49	1109.49
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire

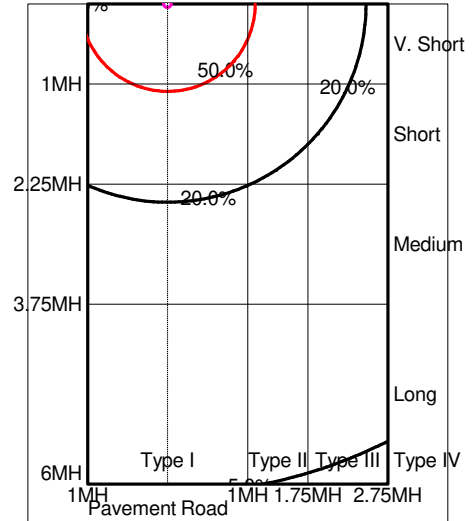
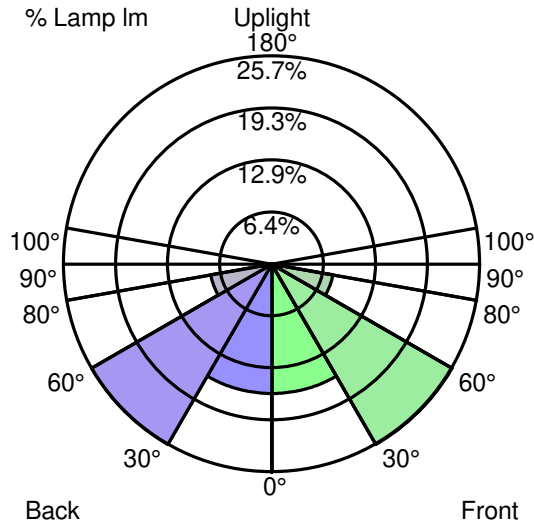
Code 15-8902-U1-J4
Name GONG

Measurement

Code 15-8902-U1-J4
Name GONG

Luminaire Flux	1610 lm	Luminaire Power	34.2 W	Efficacy	47.080 lm/W	Efficiency	100.00%
Source Flux	1610 lm	Maximum value	430.79 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°	257.6 lm	16.0 %	16.0 %
FM	30° -- 60°	414.4 lm	25.7 %	25.7 %
FH	60° -- 80°	123.4 lm	7.7 %	7.7 %
FVH	80° -- 90°	9.7 lm	0.6 %	0.6 %
BL	0° -- 30°	257.6 lm	16.0 %	16.0 %
BM	30° -- 60°	414.4 lm	25.7 %	25.7 %
BH	60° -- 80°	123.4 lm	7.7 %	7.7 %
BVH	80° -- 90°	9.7 lm	0.6 %	0.6 %
UL	90° -- 100°	0.0 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		1610.1 lm	100.0 %	100.0 %
BUG B1 U0 G0		Type V Very Short	Quadrilateral Symmetry	