

## Luminaire

Code 15-8953-U1-J4  
Name GONG

## Measurement

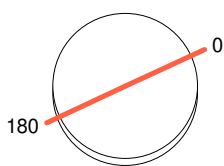
Code 15-8953-U1-J4  
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Luminaire Flux	1778 lm	Luminaire Power	34.2 W	Efficacy	51.974 lm/W	Efficiency	100.00%
Source Flux	1778 lm	Maximum value	444.72 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Round Luminaire		Diam.	600 mm	Height	200 mm		
Round 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			1616 lm
Operator		qualitat		Rated Voltage			
Temperature				Rated Current			
Humidity				Photocell			
Notes							

## Luminaire Sources

Line	Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
			1777.50	34.20	1
C.I.E.	55 85 98 100 100	D DIN 5040	A40		
F UTE	1.00 D	B NBN	BZ 3		

Diam=600mm



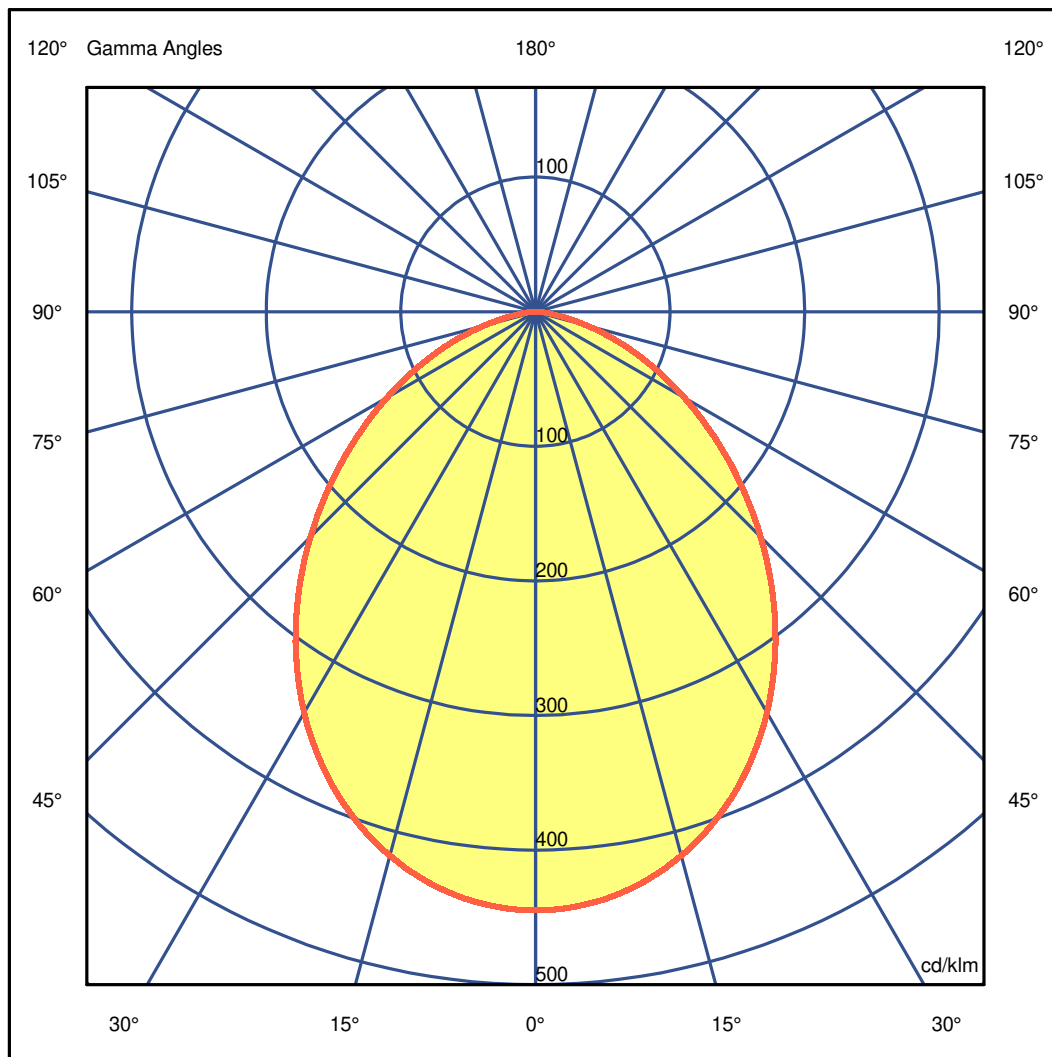
C Halfplanes

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	444.72		G 46.0	228.95
G 1.0	444.59		G 47.0	221.43
G 2.0	444.24		G 48.0	213.88
G 3.0	443.63		G 49.0	206.28
G 4.0	442.79		G 50.0	198.81
G 5.0	441.74		G 51.0	191.29
G 6.0	440.41		G 52.0	183.94
G 7.0	438.88		G 53.0	176.58
G 8.0	437.09		G 54.0	169.39
G 9.0	435.10		G 55.0	162.15
G 10.0	432.86		G 56.0	155.03
G 11.0	430.40		G 57.0	148.00
G 12.0	427.72		G 58.0	141.07
G 13.0	424.80		G 59.0	134.32
G 14.0	421.67		G 60.0	127.58
G 15.0	418.29		G 61.0	121.01
G 16.0	414.76		G 62.0	114.46
G 17.0	410.97		G 63.0	108.08
G 18.0	407.00		G 64.0	101.72
G 19.0	402.80		G 65.0	95.53
G 20.0	398.40		G 66.0	89.38
G 21.0	393.80		G 67.0	83.40
G 22.0	388.99		G 68.0	77.56
G 23.0	384.03		G 69.0	71.78
G 24.0	378.80		G 70.0	66.12
G 25.0	373.47		G 71.0	60.54
G 26.0	367.87		G 72.0	55.14
G 27.0	362.17		G 73.0	49.83
G 28.0	356.20		G 74.0	44.69
G 29.0	350.11		G 75.0	39.74
G 30.0	343.87		G 76.0	35.06
G 31.0	337.42		G 77.0	30.60
G 32.0	330.90		G 78.0	26.37
G 33.0	324.15		G 79.0	22.51
G 34.0	317.39		G 80.0	19.13
G 35.0	310.32		G 81.0	16.05
G 36.0	303.31		G 82.0	13.30
G 37.0	296.13		G 83.0	11.02
G 38.0	288.89		G 84.0	9.09
G 39.0	281.59		G 85.0	7.52
G 40.0	274.18		G 86.0	6.28
G 41.0	266.74		G 87.0	5.27
G 42.0	259.14		G 88.0	4.52
G 43.0	251.66		G 89.0	4.00
G 44.0	244.05		G 90.0	3.70
G 45.0	236.55			

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## Measur.

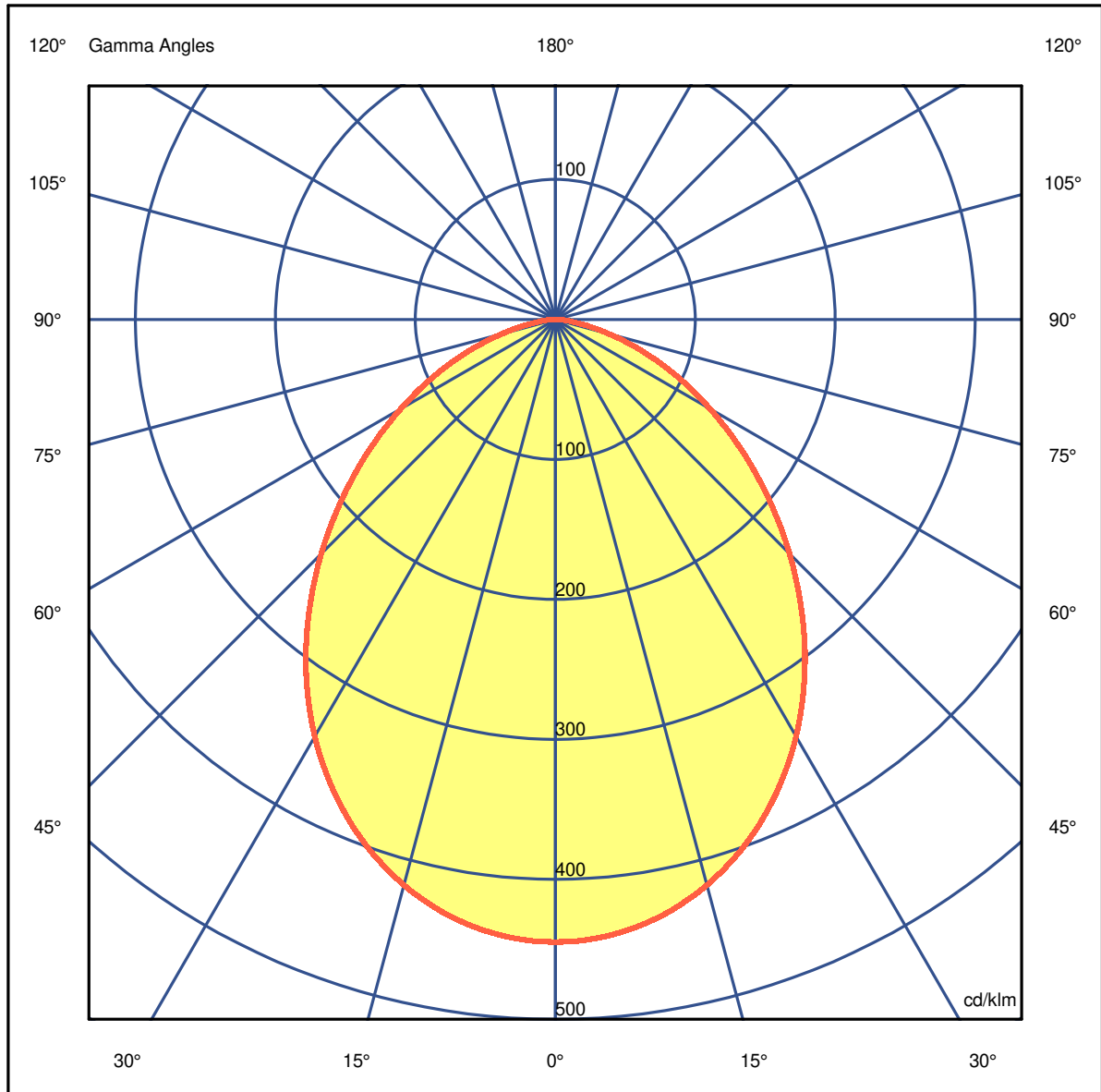
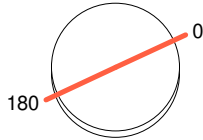
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Diam=600mm

C Halfplanes

180.0  0.0



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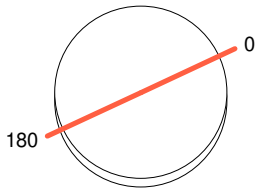
## Measurem.

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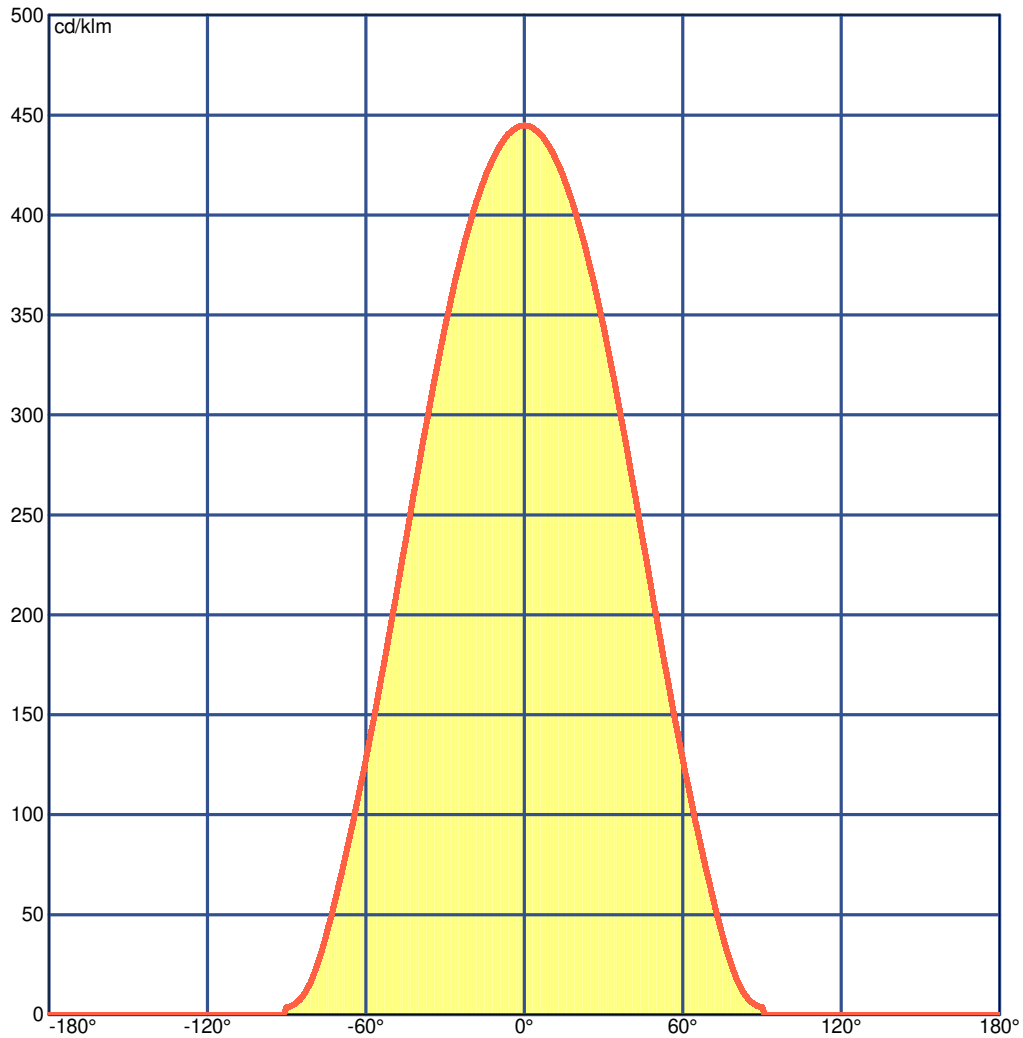
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Diam=600mm

C Halfplanes



180.0 ————— 0.0



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Source Flux	1778 lm	Maximum value	444.72 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	16.3	17.5	16.5	17.7	17.9	16.3	17.5	16.5	17.7	17.9
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	17.6	18.7	18.0	18.9	19.2	17.6	18.7	18.0	18.9	19.2
x=2H y=6H	17.8	18.7	18.1	19.0	19.3	17.8	18.7	18.1	19.0	19.3
x=2H y=8H	17.8	18.7	18.2	19.0	19.4	17.8	18.7	18.2	19.0	19.4
x=2H y=12H	17.8	18.7	18.2	19.0	19.3	17.8	18.7	18.2	19.0	19.3
x=4H y=2H	16.8	17.8	17.1	18.1	18.3	16.8	17.8	17.1	18.1	18.3
x=4H y=3H	18.0	18.8	18.3	19.2	19.5	18.0	18.8	18.3	19.2	19.5
x=4H y=4H	18.4	19.2	18.8	19.5	19.9	18.4	19.2	18.8	19.5	19.9
x=4H y=6H	18.6	19.3	19.0	19.7	20.1	18.6	19.3	19.0	19.7	20.1
x=4H y=8H	18.7	19.3	19.1	19.7	20.1	18.7	19.3	19.1	19.7	20.1
x=4H y=12H	18.7	19.2	19.2	19.7	20.1	18.7	19.2	19.2	19.7	20.1
x=8H y=4H	18.5	19.2	19.0	19.5	19.9	18.5	19.2	19.0	19.5	19.9
x=8H y=6H	18.8	19.3	19.3	19.8	20.2	18.8	19.3	19.3	19.8	20.2
x=8H y=8H	18.9	19.4	19.4	19.8	20.3	18.9	19.4	19.4	19.8	20.3
x=8H y=12H	19.0	19.4	19.5	19.8	20.3	19.0	19.4	19.5	19.8	20.3
x=12H y=4H	18.5	19.1	19.0	19.5	19.9	18.5	19.1	19.0	19.5	19.9
x=12H y=6H	18.8	19.3	19.3	19.7	20.2	18.8	19.3	19.3	19.7	20.2
x=12H y=8H	19.0	19.3	19.4	19.8	20.3	19.0	19.3	19.4	19.8	20.3

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Source Flux	1778 lm	Maximum value	444.72 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Total Flux=1777.50 Luminaire Flux=1777.50

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	0.36	0.45	0.52	0.60	0.65	0.73	0.78	0.82	0.86	0.89	0.94	0.97
RC	4	4	4	4	4	4	3	3	3	3	3	3

Zonal Flux per 1000 Lumen

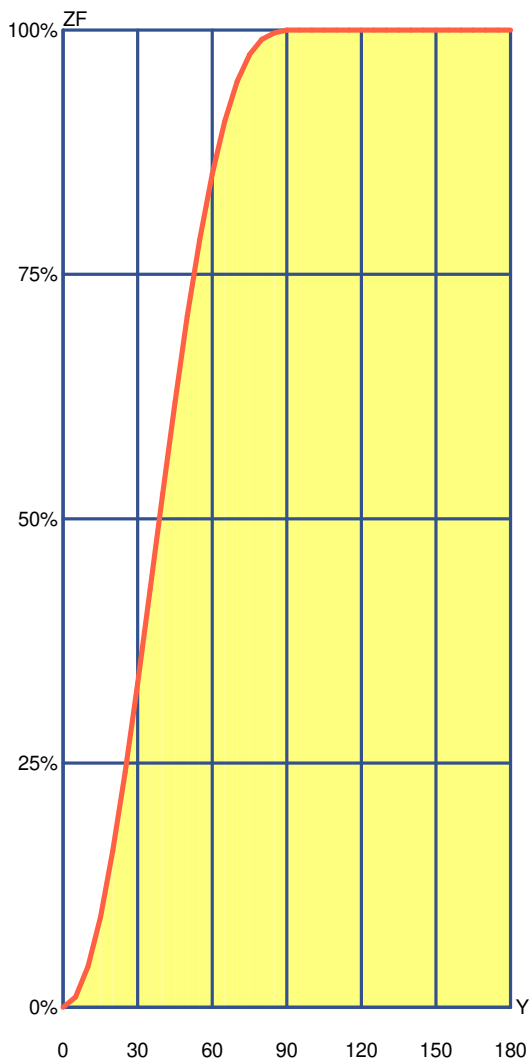
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	42	160	331	525	708	853	947	990	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

CIE Flux Codes

55 85 98 100 100

C.I.E. 4/4/4/4/4/3/3/3/3/3  
D DIN 5040 A40  
F UTE 1.00 D  
B NBN BZ 3  
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°	10.60	10.60	1.06%	1.06 %
10°	31.29	41.88	3.13%	4.19 %
15°	50.49	92.37	5.05%	9.24 %
20°	67.30	159.68	6.73%	15.97 %
25°	80.95	240.62	8.09%	24.06 %
30°	90.76	331.39	9.08%	33.14 %
35°	96.31	427.70	9.63%	42.77 %
40°	97.47	525.17	9.75%	52.52 %
45°	94.47	619.64	9.45%	61.96 %
50°	87.86	707.50	8.79%	70.75 %
55°	78.34	785.84	7.83%	78.58 %
60°	66.80	852.64	6.68%	85.26 %
65°	54.09	906.73	5.41%	90.67 %
70°	40.77	947.50	4.08%	94.75 %
75°	27.48	974.98	2.75%	97.50 %
80°	15.39	990.37	1.54%	99.04 %
85°	6.82	997.19	0.68%	99.72 %
90°	2.81	1000.00	0.28%	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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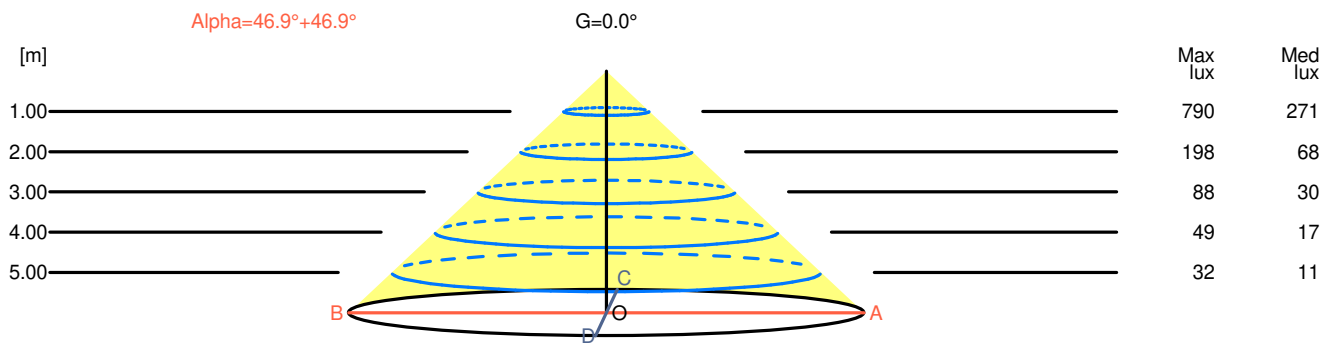
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Source Flux	1778 lm	Maximum value	444.72 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

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	1.07	2.14	3.20	4.27	5.34	OC	1.07	2.14	3.20	4.27	5.34
OB	1.07	2.14	3.20	4.27	5.34	OD	1.07	2.14	3.20	4.27	5.34

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	790.50	785.20	743.51	663.85	551.60	420.47	288.22	169.81	70.64	13.37
OB	790.50	785.20	743.51	663.85	551.60	420.47	288.22	169.81	70.64	13.37
OC	790.50	785.20	743.51	663.85	551.60	420.47	288.22	169.81	70.64	13.37
OD	790.50	785.20	743.51	663.85	551.60	420.47	288.22	169.81	70.64	13.37



H[m]	D[m]	Max lux	Med lux	Alpha=46.9°+46.9°	G=0.0
1.00	2.14	790	271		
2.00	4.27	198	68		
3.00	6.41	88	30		
4.00	8.54	49	17		
5.00	10.68	32	11		



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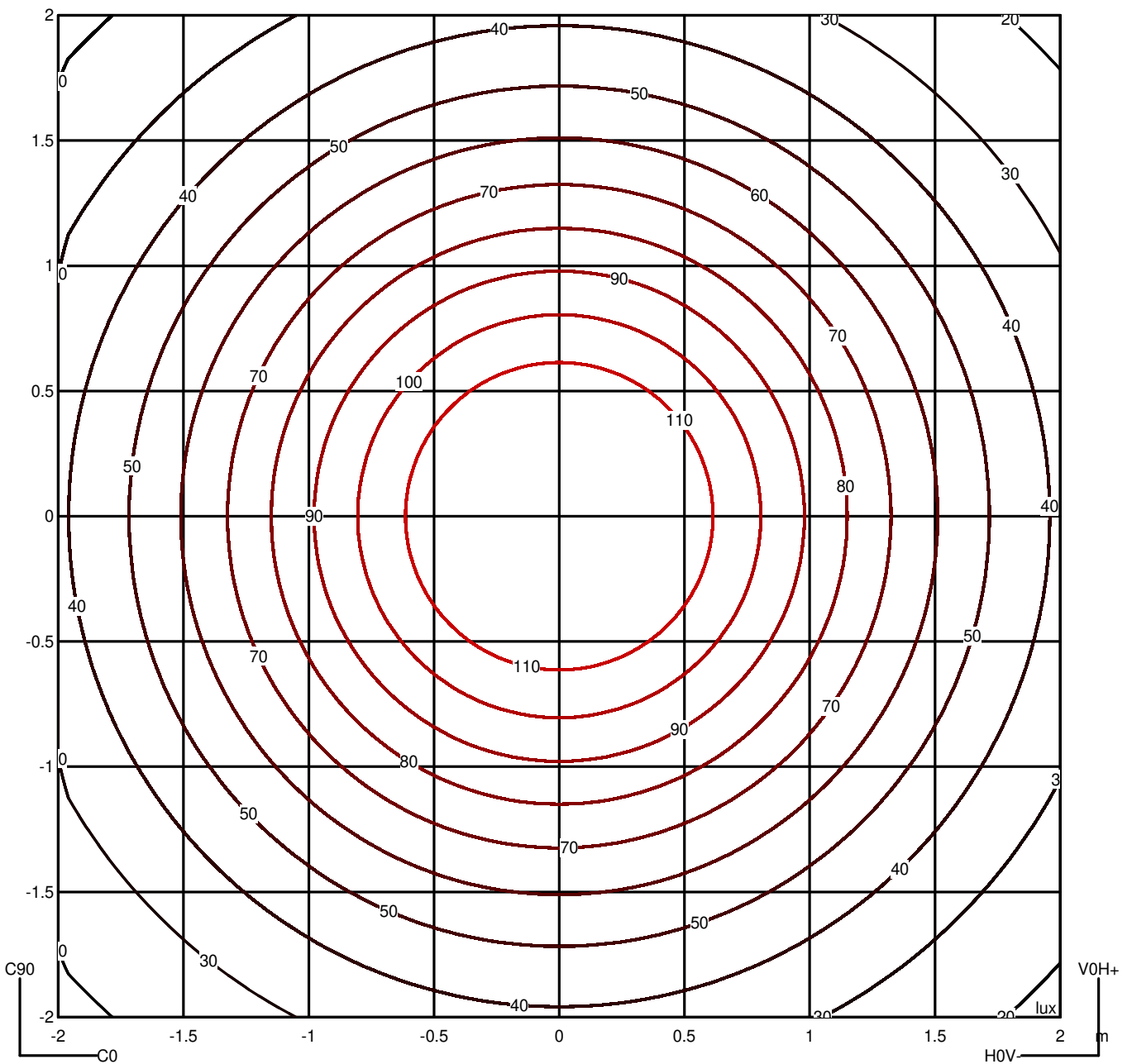
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Isolux (Floor)

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



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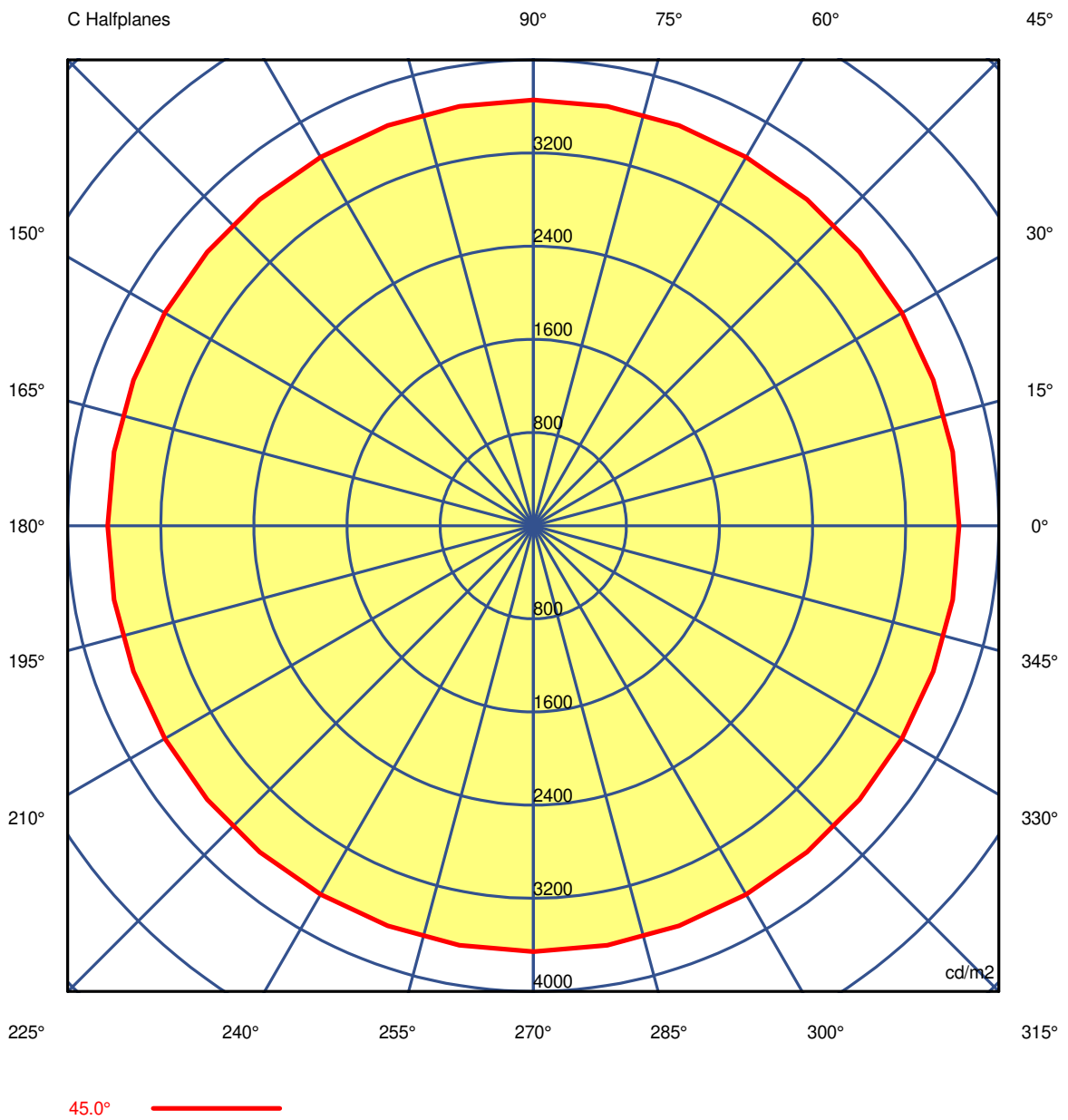
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Luminance



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**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	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68
G 5.0	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54
G 10.0	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95
G 15.0	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03
G 20.0	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80
G 25.0	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85
G 30.0	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76
G 35.0	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39
G 40.0	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72
G 45.0	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09
G 50.0	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19
G 55.0	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44
G 60.0	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36
G 65.0	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15
G 70.0	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43
G 75.0	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48
G 80.0	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07
G 85.0	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38
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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Source Flux	1778 lm	Maximum value	444.72 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

**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	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68
G 5.0	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54
G 10.0	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95
G 15.0	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03
G 20.0	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80
G 25.0	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85
G 30.0	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76
G 35.0	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39
G 40.0	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72
G 45.0	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09
G 50.0	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19
G 55.0	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44
G 60.0	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36
G 65.0	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15
G 70.0	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43
G 75.0	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48
G 80.0	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07
G 85.0	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38
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 15-8953-U1-J4  
Name GONG

**Measurem.**

Code 15-8953-U1-J4  
Name GONG

Luminaire Flux	1778 lm	Luminaire Power	34.2 W	Efficacy	51.974 lm/W	Efficiency	100.00%
Source Flux	1778 lm	Maximum value	444.72 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	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68	4861.68
G 5.0	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54	4847.54
G 10.0	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95	4804.95
G 15.0	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03	4734.03
G 20.0	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80	4634.80
G 25.0	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85	4504.85
G 30.0	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76	4340.76
G 35.0	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39	4141.39
G 40.0	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72	3912.72
G 45.0	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09	3657.09
G 50.0	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19	3381.19
G 55.0	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44	3090.44
G 60.0	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36	2789.36
G 65.0	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15	2471.15
G 70.0	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43	2113.43
G 75.0	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48	1678.48
G 80.0	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07	1204.07
G 85.0	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38	943.38
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Luminaire**

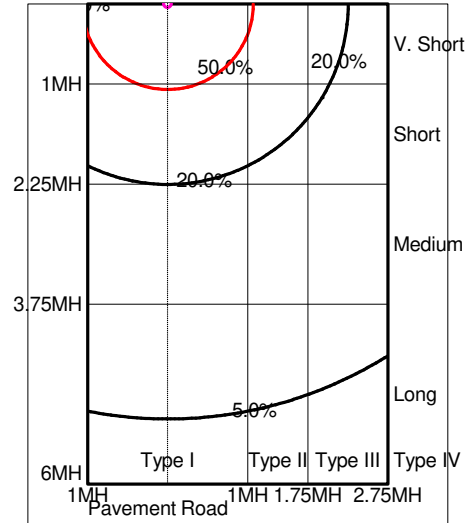
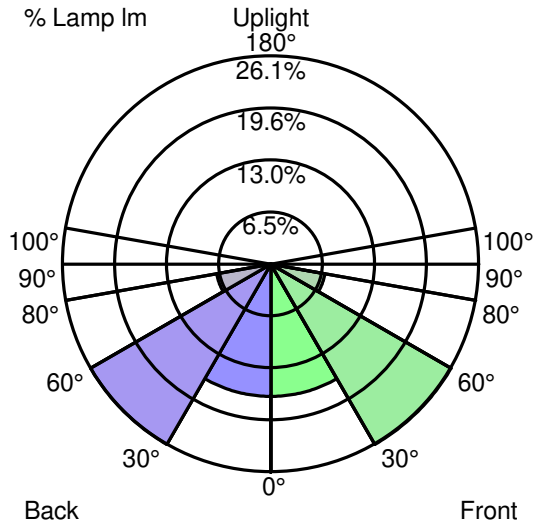
Code 15-8953-U1-J4  
Name GONG

**Measur.**

Code 15-8953-U1-J4  
Name GONG

Luminaire Flux	1778 lm	Luminaire Power	34.2 W	Efficacy	51.974 lm/W	Efficiency	100.00%
Source Flux	1778 lm	Maximum value	444.72 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°	294.4 lm	16.6 %	16.6 %
FM	30° -- 60°	463.3 lm	26.1 %	26.1 %
FH	60° -- 80°	122.4 lm	6.9 %	6.9 %
FVH	80° -- 90°	8.5 lm	0.5 %	0.5 %
BL	0° -- 30°	294.4 lm	16.6 %	16.6 %
BM	30° -- 60°	463.3 lm	26.1 %	26.1 %
BH	60° -- 80°	122.4 lm	6.9 %	6.9 %
BVH	80° -- 90°	8.5 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		1777.5 lm	100.0 %	100.0 %
BUG B1 U0 G0		Type V Very Short	Quadrilateral Symmetry	