



Distribution - Goniophotometer

Distribution Test Conditions

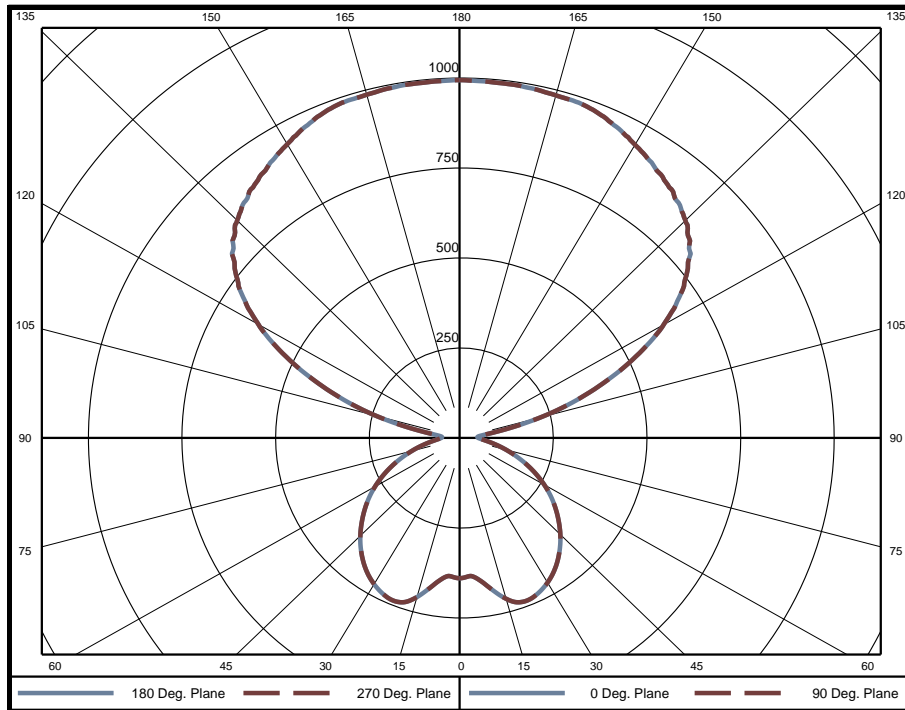
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.8 °C	120.1 VAC	0.4785 A	56.84 W	0.989	60 Hz	6.70 %

Summary of Results

Spacing Criteria
 0-180: 1.64
 90-270: 1.64

Total Lumen Output: 5194 Lumens
Luminaire Efficacy: 91.4 lm/w
Maximum Candela: 994 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	9.2	0.2%	60-65	117.7	2.3%	120-125	317.8	6.1%
5-10	28.6	0.6%	65-70	99.8	1.9%	125-130	335.8	6.5%
10-15	52.1	1.0%	70-75	79.9	1.5%	130-135	336.9	6.5%
15-20	78.4	1.5%	75-80	60.3	1.2%	135-140	323.8	6.2%
20-25	101.8	2.0%	80-85	43.2	0.8%	140-145	301.6	5.8%
25-30	120.4	2.3%	85-90	31.3	0.6%	145-150	273.7	5.3%
30-35	134.7	2.6%	90-95	26.7	0.5%	150-155	241.5	4.6%
35-40	144.0	2.8%	95-100	37.3	0.7%	155-160	204.6	3.9%
40-45	148.1	2.9%	100-105	87.2	1.7%	160-165	162.4	3.1%
45-50	147.2	2.8%	105-110	158.5	3.1%	165-170	117.3	2.3%
50-55	141.8	2.7%	110-115	223.9	4.3%	170-175	71.0	1.4%
55-60	132.1	2.5%	115-120	279.7	5.4%	175-180	23.7	0.5%

Zone	Lumens	% of Luminaire
0-40	669	12.9%
0-60	1238	23.8%
0-90	1671	32.2%
90-180	3523	67.8%



Candela Tabulation
Horizontal Angle (Degrees)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6
5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5	385.5
10	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4	415.4
15	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8	458.8
20	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9	484.9
25	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7	482.7
30	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9	467.9
35	445.7	445.7	445.7	445.7	445.7	445.7	445.7	445.7	445.7	445.7	445.7	445.7	445.7	445.7	445.7	445.7
40	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7	416.7
45	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0	383.0
50	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6	345.6
55	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7	306.7
60	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6	264.6
65	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9
70	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7	174.7
75	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9	131.9
80	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
85	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
90	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
95	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
100	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7	101.7
105	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
110	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1	373.1
115	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2	511.2
120	635.3	635.3	635.3	635.3	635.3	635.3	635.3	635.3	635.3	635.3	635.3	635.3	635.3	635.3	635.3	635.3
125	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5	736.5
130	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8	807.8
135	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4	857.4
140	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0
145	916.1	916.1	916.1	916.1	916.1	916.1	916.1	916.1	916.1	916.1	916.1	916.1	916.1	916.1	916.1	916.1
150	941.6	941.6	941.6	941.6	941.6	941.6	941.6	941.6	941.6	941.6	941.6	941.6	941.6	941.6	941.6	941.6
155	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8	965.8
160	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1	983.1
165	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8	986.8
170	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9
175	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3
180	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2	994.2

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

	0	45	90
0	899	899	899
45	1642	1642	1642
55	1229	1229	1229
65	809	809	809
75	462	462	462
85	231	231	231

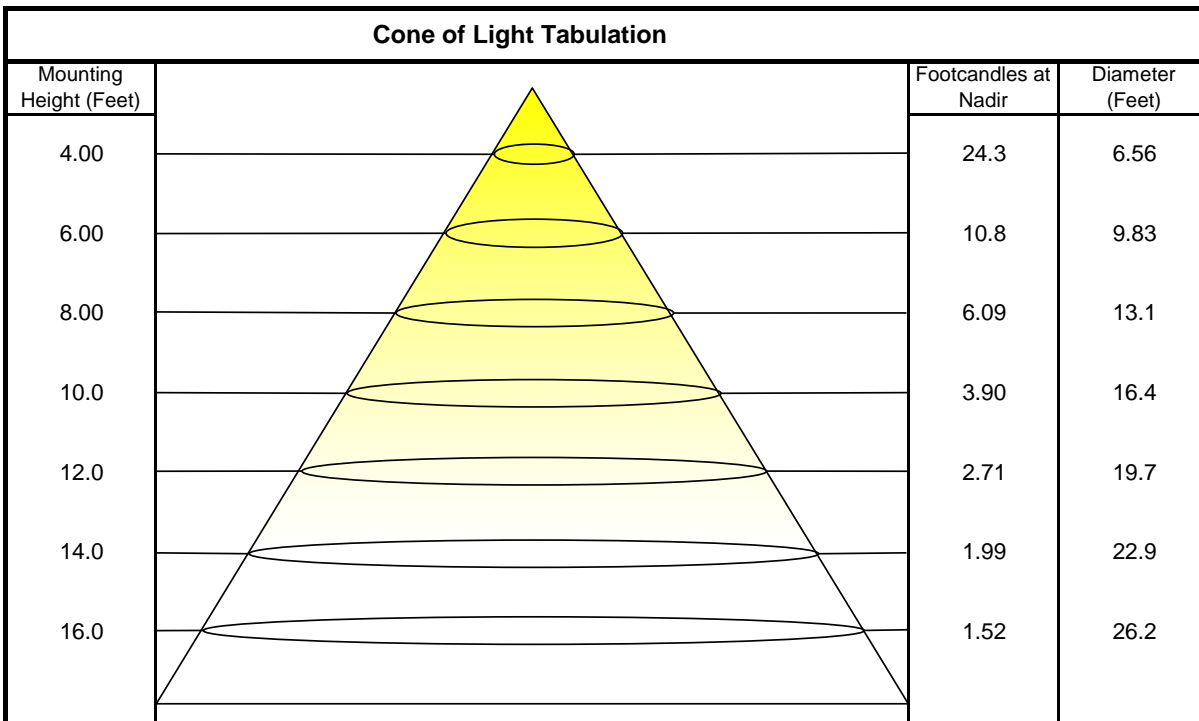


Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20%

Ceiling Cavity Reflectance	80				70				50			30			10			0
Wall Reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio (RCR)	** Values are expressed as percent of total lumen output delivered to the task surface **																	
0	103	103	103	103	93	93	93	93	73	73	73	56	56	56	40	40	40	32
1	93	89	85	81	84	80	77	74	63	61	59	48	47	45	34	33	32	26
2	85	77	71	66	76	69	64	60	55	51	48	42	39	37	30	28	27	21
3	77	67	60	54	69	61	55	50	48	44	40	37	34	31	26	24	22	18
4	70	59	52	46	63	54	47	42	43	38	34	33	29	26	23	21	19	15
5	64	53	45	39	57	48	41	35	38	33	29	29	25	23	21	18	16	13
6	59	47	39	33	53	42	35	30	34	29	25	26	22	20	19	16	14	11
7	54	42	34	29	49	38	31	26	31	25	22	24	20	17	17	14	12	10
8	50	38	30	25	45	35	28	23	28	23	19	21	18	15	15	13	11	8
9	47	35	27	22	42	31	25	20	25	20	17	20	16	13	14	12	10	8
10	43	32	24	20	39	29	22	18	23	18	15	18	14	12	13	11	9	7

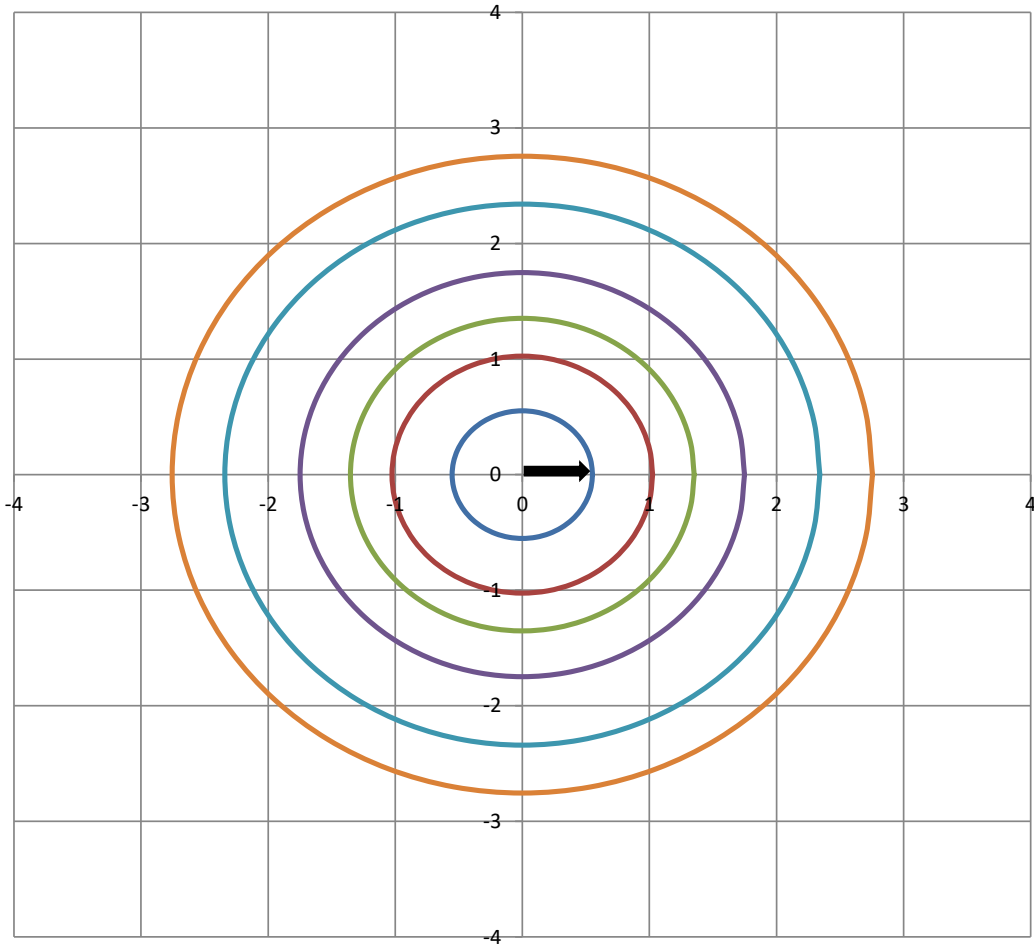
Beam and Field Information	
CIE Type:	Semi-Indirect
Center Beam Intensity:	389.6 Candela
Central Cone Intensity:	387 Candela
Beam Flux:	4813.7 Lumens
Beam Angle (0-180):	135.5 Degrees
Beam Angle (90-270):	135.5 Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	N/A Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

