



Distribution - Goniophotometer

Distribution Test Conditions

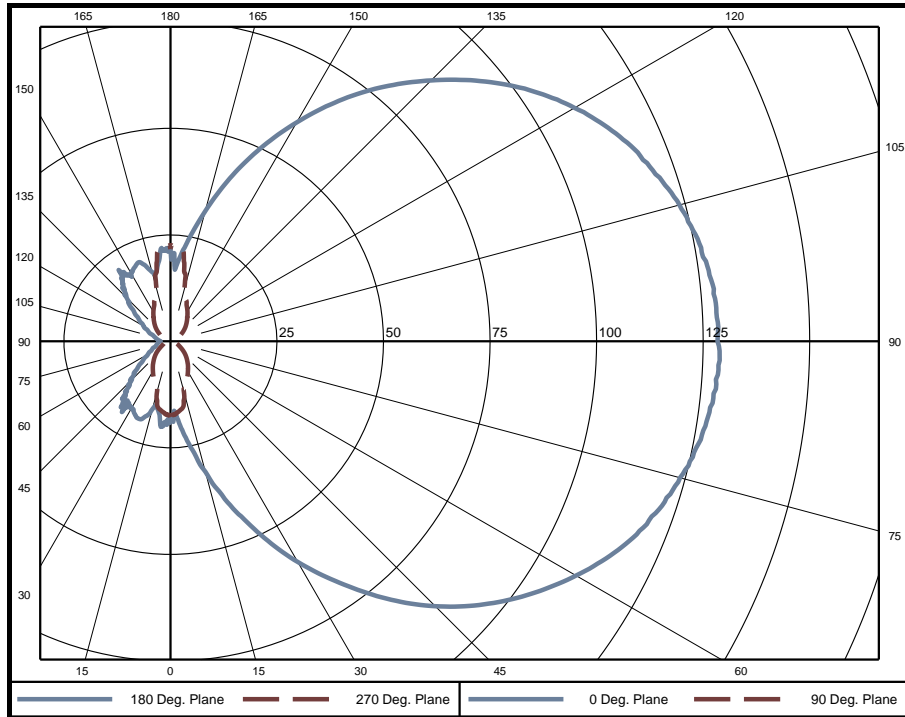
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.1 VAC	0.1051 A	12.47 W	0.988	60 Hz	5.98 %

Summary of Results

Spacing Criteria
 0-180: 4.27
 90-270: 0.72

Total Lumen Output: 409.1 Lumens
Luminaire Efficacy: 32.8 lm/w
Maximum Candela: 129 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.43	0.1%	60-65	17.29	4.2%	120-125	15.59	3.8%
5-10	1.31	0.3%	65-70	18.65	4.6%	125-130	13.92	3.4%
10-15	2.11	0.5%	70-75	19.77	4.8%	130-135	12.20	3.0%
15-20	3.06	0.7%	75-80	20.66	5.1%	135-140	10.49	2.6%
20-25	4.37	1.1%	80-85	21.25	5.2%	140-145	8.82	2.2%
25-30	5.81	1.4%	85-90	21.53	5.3%	145-150	7.16	1.8%
30-35	7.38	1.8%	90-95	21.41	5.2%	150-155	5.63	1.4%
35-40	9.05	2.2%	95-100	21.15	5.2%	155-160	4.24	1.0%
40-45	10.73	2.6%	100-105	20.57	5.0%	160-165	2.98	0.7%
45-50	12.42	3.0%	105-110	19.67	4.8%	165-170	2.11	0.5%
50-55	14.10	3.4%	110-115	18.50	4.5%	170-175	1.39	0.3%
55-60	15.74	3.8%	115-120	17.12	4.2%	175-180	0.49	0.1%

Zone	Lumens	% of Luminaire
0-40	34	8.2%
0-60	87	21.1%
0-90	206	50.3%
90-180	203	49.7%



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	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
5	18.2	18.2	17.0	18.7	16.9	17.6	18.8	19.2	20.0	19.2	18.8	17.6	16.9	18.7	17.0	18.2
10	24.2	23.9	20.5	16.4	16.0	16.2	16.9	16.0	16.6	16.0	16.9	16.2	16.0	16.4	20.5	23.9
15	31.7	30.6	24.6	17.6	12.0	8.9	9.8	12.3	16.5	12.3	9.8	8.9	12.0	17.6	24.6	30.6
20	40.9	38.7	29.7	18.8	10.5	6.6	8.4	13.7	19.4	13.7	8.4	6.6	10.5	18.8	29.7	38.7
25	50.1	47.2	35.0	20.1	9.3	5.5	8.4	14.7	19.3	14.7	8.4	5.5	9.3	20.1	35.0	47.2
30	59.8	55.8	40.7	21.7	8.2	4.7	8.0	13.6	18.2	13.6	8.0	4.7	8.2	21.7	40.7	55.8
35	69.2	64.4	46.5	23.5	7.1	4.2	7.3	11.9	18.7	11.9	7.3	4.2	7.1	23.5	46.5	64.4
40	78.8	72.8	52.2	25.3	6.1	3.8	6.6	9.9	17.7	9.9	6.6	3.8	6.1	25.3	52.2	72.8
45	87.9	80.7	57.6	27.1	5.2	3.6	5.8	8.1	13.0	8.1	5.8	3.6	5.2	27.1	57.6	80.7
50	96.0	88.0	62.6	28.7	4.3	3.7	5.3	6.7	10.5	6.7	5.3	3.7	4.3	28.7	62.6	88.0
55	103.3	94.8	67.3	30.3	3.3	3.9	5.1	5.5	7.9	5.5	5.1	3.9	3.3	30.3	67.3	94.8
60	109.9	100.9	71.4	31.8	2.5	4.3	5.0	4.7	6.1	4.7	5.0	4.3	2.5	31.8	71.4	100.9
65	115.9	106.1	75.0	33.0	2.0	4.7	4.8	4.0	4.9	4.0	4.8	4.7	2.0	33.0	75.0	106.1
70	120.2	110.3	77.7	34.0	1.6	4.9	4.5	3.5	4.1	3.5	4.5	4.9	1.6	34.0	77.7	110.3
75	123.8	113.5	80.0	34.8	1.4	5.1	4.4	3.2	3.4	3.2	4.4	5.1	1.4	34.8	80.0	113.5
80	126.7	115.9	81.6	35.3	1.1	5.2	4.2	2.9	3.1	2.9	4.2	5.2	1.1	35.3	81.6	115.9
85	128.5	117.4	82.5	35.6	1.0	5.3	4.1	2.7	2.9	2.7	4.1	5.3	1.0	35.6	82.5	117.4
90	128.4	117.5	82.5	35.7	0.9	5.2	3.2	2.3	2.3	2.3	3.2	5.2	0.9	35.7	82.5	117.5
95	128.0	117.0	82.2	35.6	1.0	5.2	3.5	2.6	2.8	2.6	3.5	5.2	1.0	35.6	82.2	117.0
100	126.5	115.5	81.2	35.3	1.2	5.1	3.9	2.8	3.3	2.8	3.9	5.1	1.2	35.3	81.2	115.5
105	123.7	112.9	79.5	34.6	1.4	5.0	4.2	3.2	3.8	3.2	4.2	5.0	1.4	34.6	79.5	112.9
110	119.7	109.2	77.0	33.7	1.7	5.0	4.4	3.5	4.6	3.5	4.4	5.0	1.7	33.7	77.0	109.2
115	115.4	104.7	73.9	32.5	2.0	4.8	4.6	4.0	5.9	4.0	4.6	4.8	2.0	32.5	73.9	104.7
120	109.5	99.4	70.4	31.2	2.5	4.3	5.0	4.6	7.4	4.6	5.0	4.3	2.5	31.2	70.4	99.4
125	102.8	93.2	66.3	29.7	3.3	4.0	5.3	5.5	9.1	5.5	5.3	4.0	3.3	29.7	66.3	93.2
130	95.0	86.1	61.4	28.0	4.2	3.7	5.5	6.6	11.5	6.6	5.5	3.7	4.2	28.0	61.4	86.1
135	86.6	78.5	56.2	26.3	5.1	3.6	5.8	7.9	14.7	7.9	5.8	3.6	5.1	26.3	56.2	78.5
140	78.0	70.6	50.8	24.5	5.9	3.9	6.4	9.4	17.7	9.4	6.4	3.9	5.9	24.5	50.8	70.6
145	68.9	62.2	45.2	22.6	6.8	4.1	7.0	11.0	18.9	11.0	7.0	4.1	6.8	22.6	45.2	62.2
150	59.3	53.8	39.4	21.0	8.0	4.6	7.7	12.7	18.6	12.7	7.7	4.6	8.0	21.0	39.4	53.8
155	50.0	45.2	33.7	19.5	9.0	5.4	8.2	13.9	19.5	13.9	8.2	5.4	9.0	19.5	33.7	45.2
160	40.7	36.9	28.4	18.4	10.4	6.5	8.6	13.4	19.5	13.4	8.6	6.5	10.4	18.4	28.4	36.9
165	31.7	29.2	23.7	17.3	12.1	9.2	10.6	12.9	16.9	12.9	10.6	9.2	12.1	17.3	23.7	29.2
170	24.2	22.7	20.0	16.2	18.7	16.7	16.3	15.9	17.8	15.9	16.3	16.7	18.7	16.2	20.0	22.7
175	18.4	17.4	18.0	20.1	22.1	21.2	21.0	21.4	21.4	21.4	21.0	21.2	22.1	20.1	18.0	17.4
180	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

	0	45	90
0	36580	36580	36580
45	28560	2258	157
55	29960	2287	87
65	31220	2310	47
75	32040	2318	31
85	32970	2325	21

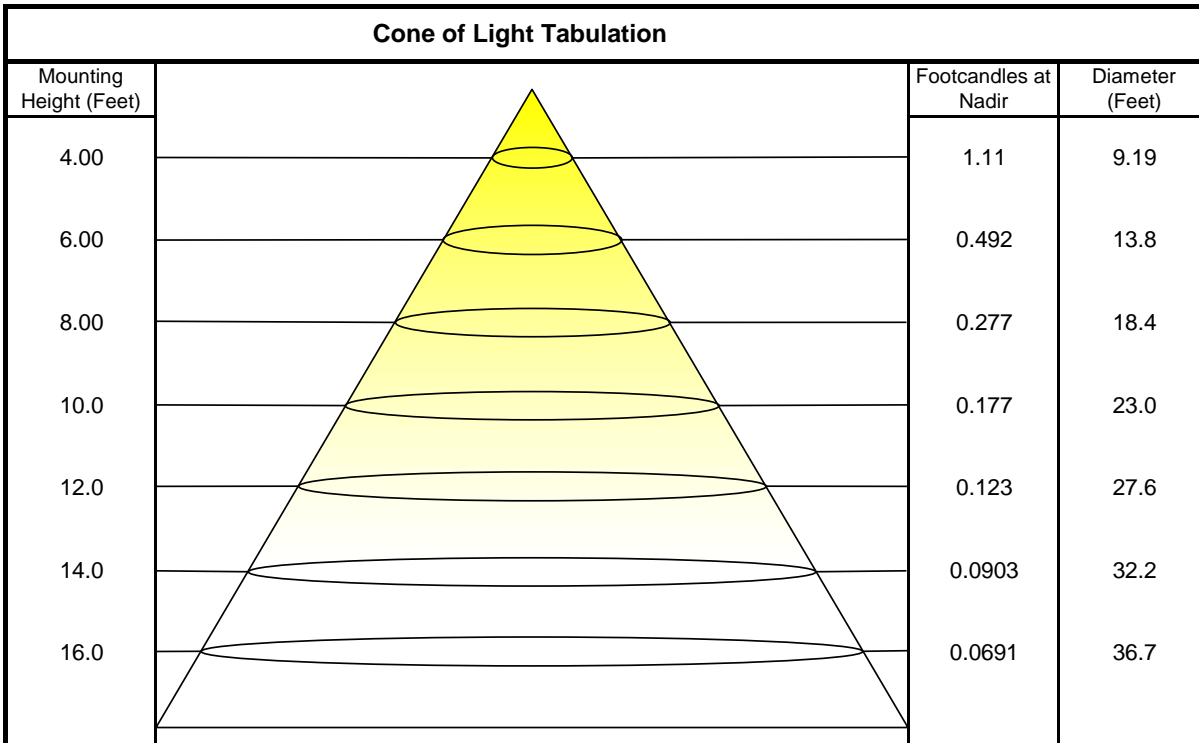


Coefficients of Utilization - Zonal Cavity Method

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	93	86	80	75	85	79	74	69	65	61	58	53	50	47	41	39	37	31
2	82	72	64	57	75	66	59	52	54	49	44	44	39	35	34	30	27	22
3	74	62	53	45	67	56	48	42	46	40	35	37	32	28	28	24	21	17
4	67	54	44	37	61	49	40	34	40	33	28	32	27	22	24	20	17	13
5	61	47	38	31	55	43	34	28	35	28	23	28	23	19	21	17	14	10
6	56	42	32	26	50	38	30	24	31	25	20	25	20	16	19	15	12	9
7	51	37	28	22	47	34	26	20	28	22	17	22	17	13	17	13	10	7
8	47	34	25	19	43	31	23	18	25	19	15	20	15	12	16	12	9	6
9	44	31	22	17	40	28	20	15	23	17	13	19	14	10	14	10	8	5
10	41	28	20	15	37	26	18	14	21	15	11	17	12	9	13	9	7	5

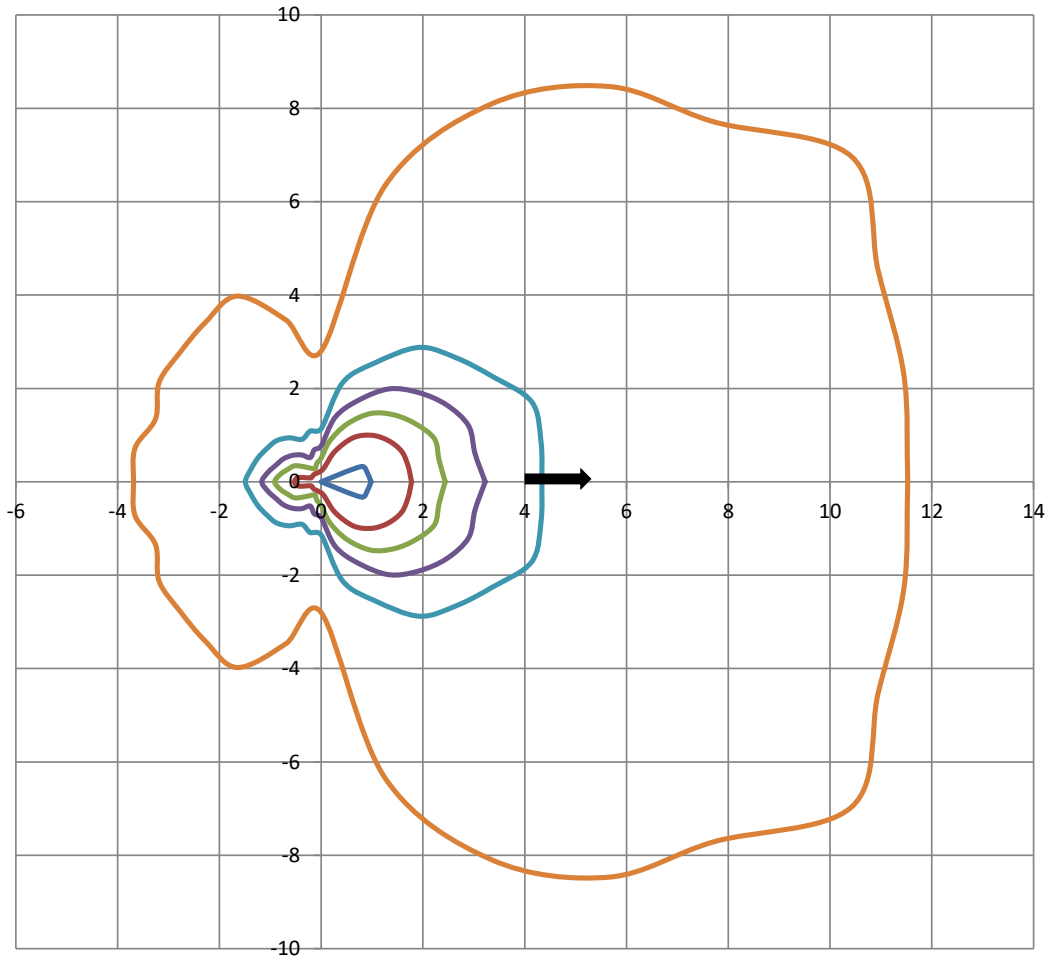
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	17.7 Candela
Central Cone Intensity:	N/A Candela
Beam Flux:	382.8 Lumens
Beam Angle (0-180):	N/A Degrees
Beam Angle (90-270):	N/A Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	135.4 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

