



Distribution - Goniophotometer

Distribution Test Conditions

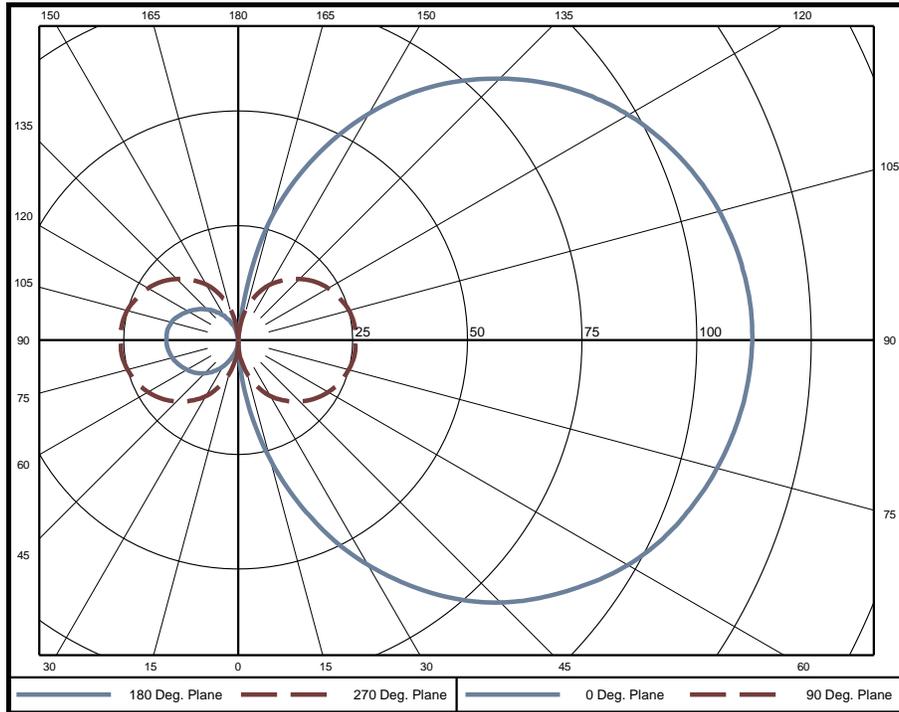
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.3 °C	120.1 VAC	0.1366 A	16.07 W	0.979	60 Hz	7.86 %

Summary of Results

Spacing Criteria
 0-180: 13.60
 90-270: 8.13

Total Lumen Output: 557.0 Lumens
Luminaire Efficacy: 34.7 lm/w
Maximum Candela: 119 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.07	0.0%	60-65	24.39	4.4%	120-125	22.02	4.0%
5-10	0.52	0.1%	65-70	26.38	4.7%	125-130	19.48	3.5%
10-15	1.45	0.3%	70-75	28.08	5.0%	130-135	16.82	3.0%
15-20	2.82	0.5%	75-80	29.43	5.3%	135-140	14.14	2.5%
20-25	4.57	0.8%	80-85	30.35	5.4%	140-145	11.52	2.1%
25-30	6.67	1.2%	85-90	30.80	5.5%	145-150	9.02	1.6%
30-35	9.02	1.6%	90-95	30.82	5.5%	150-155	6.68	1.2%
35-40	11.56	2.1%	95-100	30.38	5.5%	155-160	4.59	0.8%
40-45	14.22	2.6%	100-105	29.48	5.3%	160-165	2.80	0.5%
45-50	16.90	3.0%	105-110	28.12	5.0%	165-170	1.34	0.2%
50-55	19.53	3.5%	110-115	26.35	4.7%	170-175	0.28	0.1%
55-60	22.06	4.0%	115-120	24.32	4.4%	175-180	0.00	0.0%

Zone	Lumens	% of Luminaire
0-40	37	6.6%
0-60	109	19.6%
0-90	279	50.1%
90-180	278	49.9%



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	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
5	7.0	7.9	7.9	6.0	3.0	4.0	2.0	1.0	1.0	1.0	2.0	4.0	3.0	6.0	7.9	7.9
10	16.7	16.0	16.5	16.5	5.0	7.5	4.0	2.0	1.9	2.0	4.0	7.5	5.0	16.5	16.5	16.0
15	26.9	23.9	24.8	27.2	7.5	9.5	5.7	2.9	2.8	2.9	5.7	9.5	7.5	27.2	24.8	23.9
20	37.2	31.6	32.7	37.4	9.8	11.3	7.7	4.0	3.9	4.0	7.7	11.3	9.8	37.4	32.7	31.6
25	47.3	38.8	40.3	47.1	12.0	13.1	9.5	5.2	5.2	5.2	9.5	13.1	12.0	47.1	40.3	38.8
30	56.7	45.6	47.5	56.4	14.1	14.8	11.3	6.4	6.6	6.4	11.3	14.8	14.1	56.4	47.5	45.6
35	65.4	51.9	54.3	65.3	15.7	16.4	13.0	7.5	7.8	7.5	13.0	16.4	15.7	65.3	54.3	51.9
40	73.7	57.7	60.8	73.9	17.4	18.0	14.7	8.6	9.1	8.6	14.7	18.0	17.4	73.9	60.8	57.7
45	81.0	63.0	66.7	82.0	18.9	19.3	16.2	9.7	10.2	9.7	16.2	19.3	18.9	82.0	66.7	63.0
50	87.2	67.7	72.0	89.3	20.3	20.5	17.6	10.6	11.2	10.6	17.6	20.5	20.3	89.3	72.0	67.7
55	92.9	71.9	76.9	96.0	21.6	21.6	18.8	11.4	12.1	11.4	18.8	21.6	21.6	96.0	76.9	71.9
60	98.2	75.7	81.2	101.9	22.7	22.7	20.0	12.3	12.9	12.3	20.0	22.7	22.7	101.9	81.2	75.7
65	102.4	78.9	84.9	106.9	23.6	23.4	21.1	13.0	13.6	13.0	21.1	23.4	23.6	106.9	84.9	78.9
70	105.5	81.4	87.7	111.0	24.3	23.7	21.9	13.6	14.3	13.6	21.9	23.7	24.3	111.0	87.7	81.4
75	108.1	83.4	90.1	114.4	25.0	24.3	22.7	14.1	14.8	14.1	22.7	24.3	25.0	114.4	90.1	83.4
80	110.2	85.0	91.8	116.7	25.4	24.7	23.2	14.5	15.3	14.5	23.2	24.7	25.4	116.7	91.8	85.0
85	111.6	86.0	92.9	118.2	25.7	24.5	23.4	14.8	15.5	14.8	23.4	24.5	25.7	118.2	92.9	86.0
90	112.2	86.4	93.3	118.9	25.6	24.4	23.4	14.9	15.7	14.9	23.4	24.4	25.6	118.9	93.3	86.4
95	111.9	86.2	92.9	118.3	25.6	24.3	23.4	14.8	15.6	14.8	23.4	24.3	25.6	118.3	92.9	86.2
100	110.7	85.4	91.9	116.7	25.5	24.2	23.3	14.6	15.4	14.6	23.3	24.2	25.5	116.7	91.9	85.4
105	108.7	84.0	90.1	114.4	25.0	24.0	22.6	14.2	15.0	14.2	22.6	24.0	25.0	114.4	90.1	84.0
110	106.0	81.9	87.5	110.9	24.3	23.3	21.8	13.6	14.3	13.6	21.8	23.3	24.3	110.9	87.5	81.9
115	102.5	79.4	84.4	106.5	23.5	22.8	21.0	13.0	13.5	13.0	21.0	22.8	23.5	106.5	84.4	79.4
120	98.3	76.3	80.7	101.5	22.6	22.3	19.9	12.3	12.5	12.3	19.9	22.3	22.6	101.5	80.7	76.3
125	93.3	72.9	76.3	95.6	21.6	21.3	18.7	11.4	11.5	11.4	18.7	21.3	21.6	95.6	76.3	72.9
130	87.3	68.8	71.2	88.7	20.3	20.2	17.5	10.6	10.5	10.6	17.5	20.2	20.3	88.7	71.2	68.8
135	80.7	64.2	65.6	81.0	18.8	19.0	16.1	9.6	9.3	9.6	16.1	19.0	18.8	81.0	65.6	64.2
140	73.6	59.4	59.6	72.9	17.1	17.4	14.6	8.6	8.2	8.6	14.6	17.4	17.1	72.9	59.6	59.4
145	65.8	54.4	53.2	64.3	15.7	16.2	13.1	7.6	7.1	7.6	13.1	16.2	15.7	64.3	53.2	54.4
150	57.1	48.6	46.2	55.2	14.0	14.6	11.4	6.5	6.1	6.5	11.4	14.6	14.0	55.2	46.2	48.6
155	47.7	42.2	38.8	45.8	12.0	12.9	9.7	5.2	4.9	5.2	9.7	12.9	12.0	45.8	38.8	42.2
160	37.9	34.6	31.1	35.9	9.6	11.1	7.8	3.9	3.6	3.9	7.8	11.1	9.6	35.9	31.1	34.6
165	27.4	25.0	22.8	25.6	7.4	9.2	5.8	3.0	2.6	3.0	5.8	9.2	7.4	25.6	22.8	25.0
170	13.6	11.2	12.6	13.5	4.5	5.8	3.3	1.4	0.8	1.4	3.3	5.8	4.5	13.5	12.6	11.2
175	2.0	0.2	0.8	1.0	1.3	0.8	0.5	0.2	0.0	0.2	0.5	0.8	1.3	1.0	0.8	0.2
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

	0	45	90
0	65	65	65
45	1187	996	613
55	1215	1026	651
65	1243	1051	685
75	1261	1072	720
85	1289	1096	758

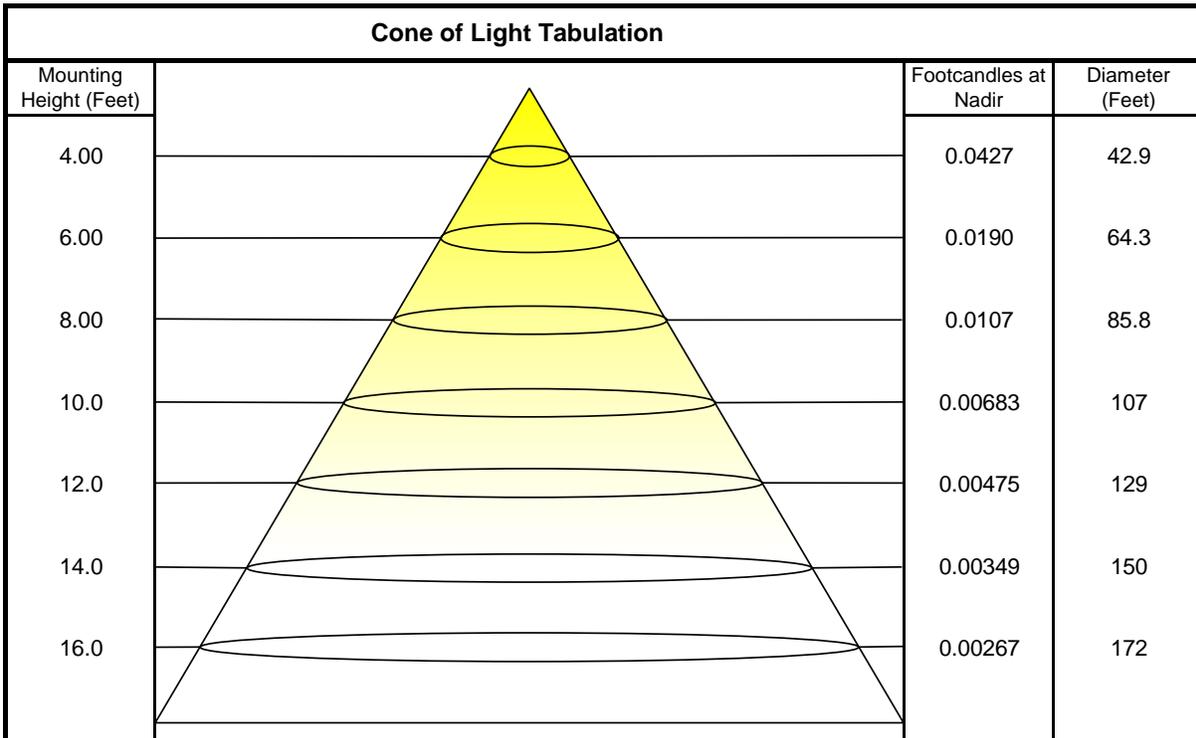


Coefficients of Utilization - Zonal Cavity Method

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	92	85	79	74	84	78	73	68	65	61	57	52	49	46	41	38	36	31
2	82	71	63	56	74	65	58	51	53	48	43	43	38	34	33	29	26	21
3	73	61	52	44	66	56	47	40	45	39	33	36	31	27	27	23	20	16
4	66	53	43	36	60	48	39	33	39	32	27	31	26	21	23	19	16	12
5	60	46	37	29	54	42	33	27	34	27	22	27	22	17	20	16	13	9
6	55	41	32	25	50	37	29	23	30	24	19	24	19	15	18	14	11	7
7	51	37	27	21	46	33	25	19	27	21	16	22	16	12	16	12	9	6
8	47	33	24	18	42	30	22	17	25	18	14	19	14	11	15	11	8	5
9	43	30	21	16	39	27	20	14	22	16	12	18	13	9	13	9	7	4
10	40	27	19	14	37	25	18	13	20	14	10	16	11	8	12	9	6	4

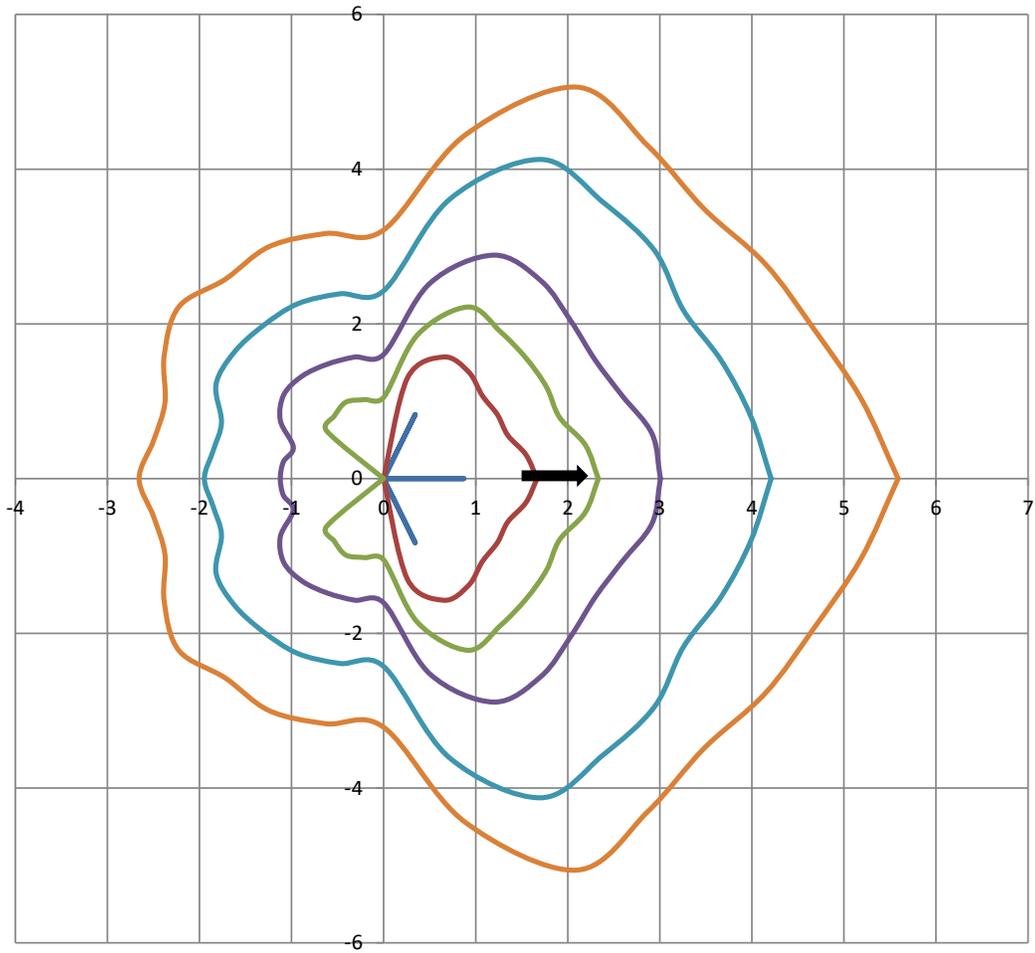
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	0.7 Candela
Central Cone Intensity:	2 Candela
Beam Flux:	557.0 Lumens
Beam Angle (0-180):	347.2 Degrees
Beam Angle (90-270):	351.9 Degrees
Field Angle (0-180):	349.0 Degrees
Field Angle (90-270):	353.3 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

