



Distribution - Goniophotometer

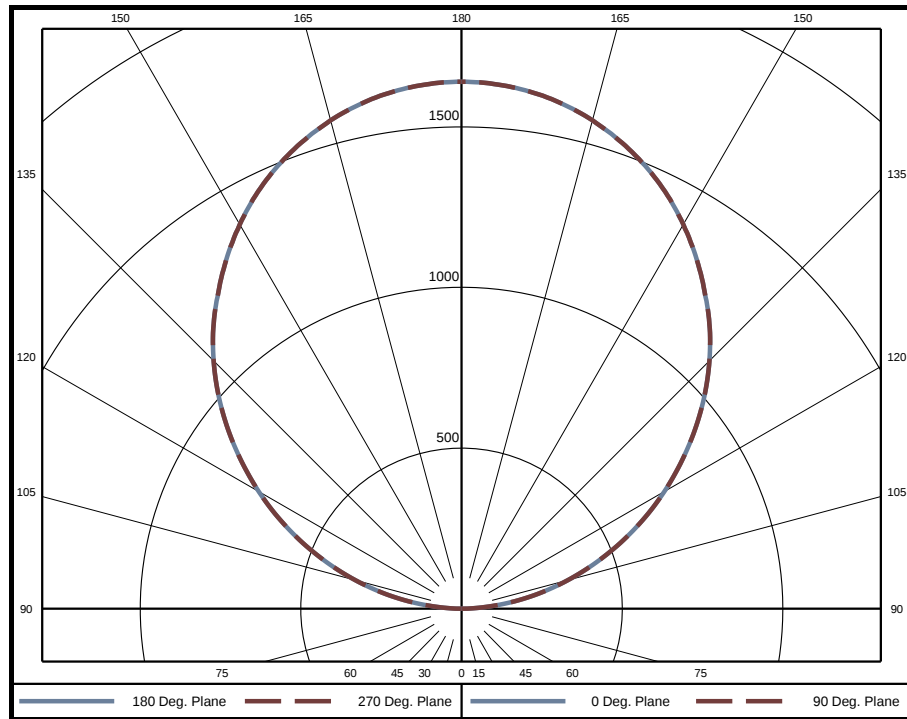
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.1 VAC	0.7041 A	84.23 W	0.996	60 Hz	3.92 %

Summary of Results

Total Lumen Output:	4748 Lumens
Luminaire Efficacy:	56.4 lm/w
Maximum Candela:	1640 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0	0.0%	60-65	0	0.0%	120-125	365.3	7.7%
5-10	0	0.0%	65-70	0	0.0%	125-130	397.6	8.4%
10-15	0	0.0%	70-75	0	0.0%	130-135	417.5	8.8%
15-20	0	0.0%	75-80	0	0.0%	135-140	423.3	8.9%
20-25	0	0.0%	80-85	0	0.0%	140-145	414.4	8.7%
25-30	0	0.0%	85-90	0	0.0%	145-150	393.2	8.3%
30-35	0	0.0%	90-95	26.3	0.6%	150-155	359.2	7.6%
35-40	0	0.0%	95-100	85.1	1.8%	155-160	312.6	6.6%
40-45	0	0.0%	100-105	149.4	3.1%	160-165	255.1	5.4%
45-50	0	0.0%	105-110	211.7	4.5%	165-170	188.8	4.0%
50-55	0	0.0%	110-115	270.5	5.7%	170-175	116.0	2.4%
55-60	0	0.0%	115-120	322.6	6.8%	175-180	39.1	0.8%

Zone	Lumens	% of Luminaire
0-40	0	0.0%
0-60	0	0.0%
0-90	0	0.0%
90-180	4748	100.0%



Candela Tabulation
Horizontal Angle (Degrees)

Vertical 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97
100	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218
105	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342
110	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469	469
115	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
120	728	728	728	728	728	728	728	728	728	728	728	728	728	728	728	728
125	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853	853
130	976	976	976	976	976	976	976	976	976	976	976	976	976	976	976	976
135	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090	1090
140	1195	1195	1195	1195	1195	1195	1195	1195	1195	1195	1195	1195	1195	1195	1195	1195
145	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290
150	1380	1380	1380	1380	1380	1380	1380	1380	1380	1380	1380	1380	1380	1380	1380	1380
155	1459	1459	1459	1459	1459	1459	1459	1459	1459	1459	1459	1459	1459	1459	1459	1459
160	1522	1522	1522	1522	1522	1522	1522	1522	1522	1522	1522	1522	1522	1522	1522	1522
165	1573	1573	1573	1573	1573	1573	1573	1573	1573	1573	1573	1573	1573	1573	1573	1573
170	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611
175	1632	1632	1632	1632	1632	1632	1632	1632	1632	1632	1632	1632	1632	1632	1632	1632
180	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640



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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	57	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

Up Light Beam and Field Information	
CIE Type:	Indirect
Center Beam Intensity:	1640 Candela
Central Cone Intensity:	1637 Candela
Beam Flux:	4747.2 Lumens
Beam Angle (0-180):	112.7 Degrees
Beam Angle (90-270):	112.7 Degrees
Field Angle (0-180):	164.4 Degrees
Field Angle (90-270):	164.4 Degrees