



## Distribution - Goniophotometer

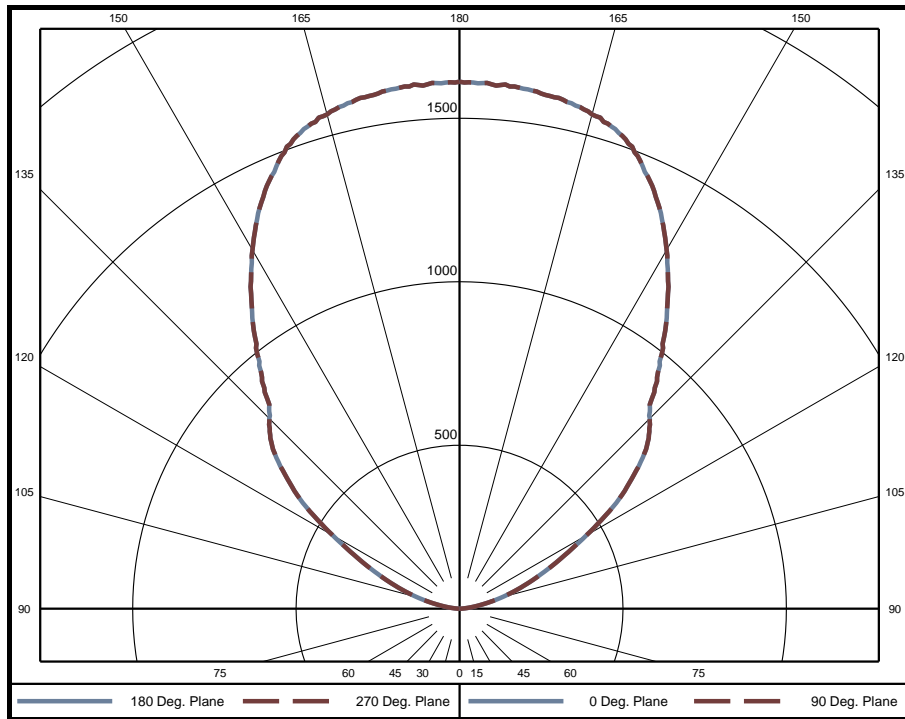
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.0 VAC	0.3504 A	41.51 W	0.987	60 Hz	7.41 %

### Summary of Results

Total Lumen Output:	3597 Lumens
Luminaire Efficacy:	86.7 lm/w
Maximum Candela:	1612 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	244.0	6.8%
5-10	0	0.0%	65-70	0	0.0%	125-130	292.7	8.1%
10-15	0	0.0%	70-75	0	0.0%	130-135	316.9	8.8%
15-20	0	0.0%	75-80	0	0.0%	135-140	324.0	9.0%
20-25	0	0.0%	80-85	0	0.0%	140-145	341.9	9.5%
25-30	0	0.0%	85-90	0	0.0%	145-150	349.3	9.7%
30-35	0	0.0%	90-95	5.7	0.2%	150-155	338.9	9.4%
35-40	0	0.0%	95-100	22.5	0.6%	155-160	307.0	8.5%
40-45	0	0.0%	100-105	52.1	1.4%	160-165	254.4	7.1%
45-50	0	0.0%	105-110	90.6	2.5%	165-170	187.7	5.2%
50-55	0	0.0%	110-115	133.3	3.7%	170-175	114.5	3.2%
55-60	0	0.0%	115-120	183.4	5.1%	175-180	38.5	1.1%

Zone	Lumens	% of Luminaire
0-40	0	0.0%
0-60	0	0.0%
0-90	0	0.0%
90-180	3597	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	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
100	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
105	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134	134
110	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215
115	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316	316
120	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448
125	607	607	607	607	607	607	607	607	607	607	607	607	607	607	607	607
130	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738	738
135	824	824	824	824	824	824	824	824	824	824	824	824	824	824	824	824
140	945	945	945	945	945	945	945	945	945	945	945	945	945	945	945	945
145	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107
150	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268	1268
155	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410	1410
160	1513	1513	1513	1513	1513	1513	1513	1513	1513	1513	1513	1513	1513	1513	1513	1513
165	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566	1566
170	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593
175	1610	1610	1610	1610	1610	1610	1610	1610	1610	1610	1610	1610	1610	1610	1610	1610
180	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612



### 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:	1612 Candela
Central Cone Intensity:	1609 Candela
Beam Flux:	3597.4 Lumens
Beam Angle (0-180):	92.4 Degrees
Beam Angle (90-270):	92.4 Degrees
Field Angle (0-180):	146.5 Degrees
Field Angle (90-270):	146.5 Degrees