



Distribution - Goniophotometer

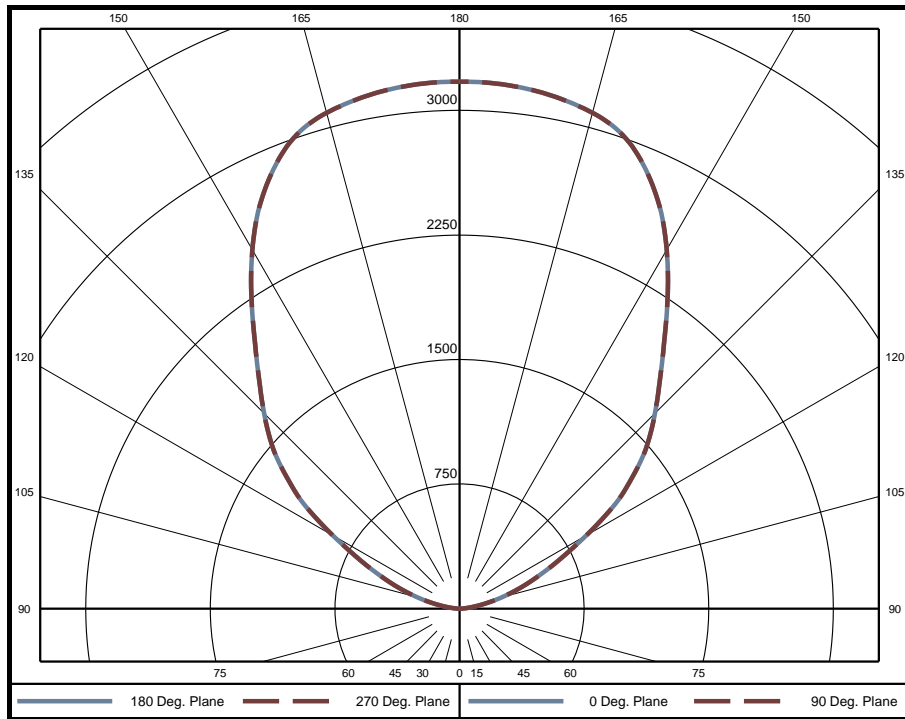
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.1 VAC	0.7005 A	83.79 W	0.996	60 Hz	3.98 %

Summary of Results

Total Lumen Output:	7107 Lumens
Luminaire Efficacy:	84.8 lm/w
Maximum Candela:	3173 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	479.8	6.8%
5-10	0	0.0%	65-70	0	0.0%	125-130	573.9	8.1%
10-15	0	0.0%	70-75	0	0.0%	130-135	629.6	8.9%
15-20	0	0.0%	75-80	0	0.0%	135-140	656.6	9.2%
20-25	0	0.0%	80-85	0	0.0%	140-145	676.0	9.5%
25-30	0	0.0%	85-90	0	0.0%	145-150	687.0	9.7%
30-35	0	0.0%	90-95	11.1	0.2%	150-155	668.1	9.4%
35-40	0	0.0%	95-100	44.0	0.6%	155-160	605.4	8.5%
40-45	0	0.0%	100-105	102.7	1.4%	160-165	501.9	7.1%
45-50	0	0.0%	105-110	178.0	2.5%	165-170	369.6	5.2%
50-55	0	0.0%	110-115	261.7	3.7%	170-175	225.6	3.2%
55-60	0	0.0%	115-120	360.4	5.1%	175-180	75.8	1.1%

Zone	Lumens	% of Luminaire
0-40	0	0.0%
0-60	0	0.0%
0-90	0	0.0%
90-180	7107	100.0%



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	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	0
10	0	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	0
20	0	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	0
30	0	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	0
40	0	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	0
50	0	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	0
60	0	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	0
70	0	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	0
80	0	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	0
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
100	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
105	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262
110	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424
115	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621	621
120	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881
125	1193	1193	1193	1193	1193	1193	1193	1193	1193	1193	1193	1193	1193	1193	1193	1193
130	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
135	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665	1665
140	1892	1892	1892	1892	1892	1892	1892	1892	1892	1892	1892	1892	1892	1892	1892	1892
145	2177	2177	2177	2177	2177	2177	2177	2177	2177	2177	2177	2177	2177	2177	2177	2177
150	2496	2496	2496	2496	2496	2496	2496	2496	2496	2496	2496	2496	2496	2496	2496	2496
155	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778	2778
160	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987
165	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091	3091
170	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139	3139
175	3166	3166	3166	3166	3166	3166	3166	3166	3166	3166	3166	3166	3166	3166	3166	3166
180	3172	3172	3172	3172	3172	3172	3172	3172	3172	3172	3172	3172	3172	3172	3172	3172

Vertical Angle (Degrees)



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:	3172 Candela
Central Cone Intensity:	3171 Candela
Beam Flux:	7106.9 Lumens
Beam Angle (0-180):	93.8 Degrees
Beam Angle (90-270):	93.8 Degrees
Field Angle (0-180):	146.4 Degrees
Field Angle (90-270):	146.4 Degrees