



Distribution - Goniophotometer

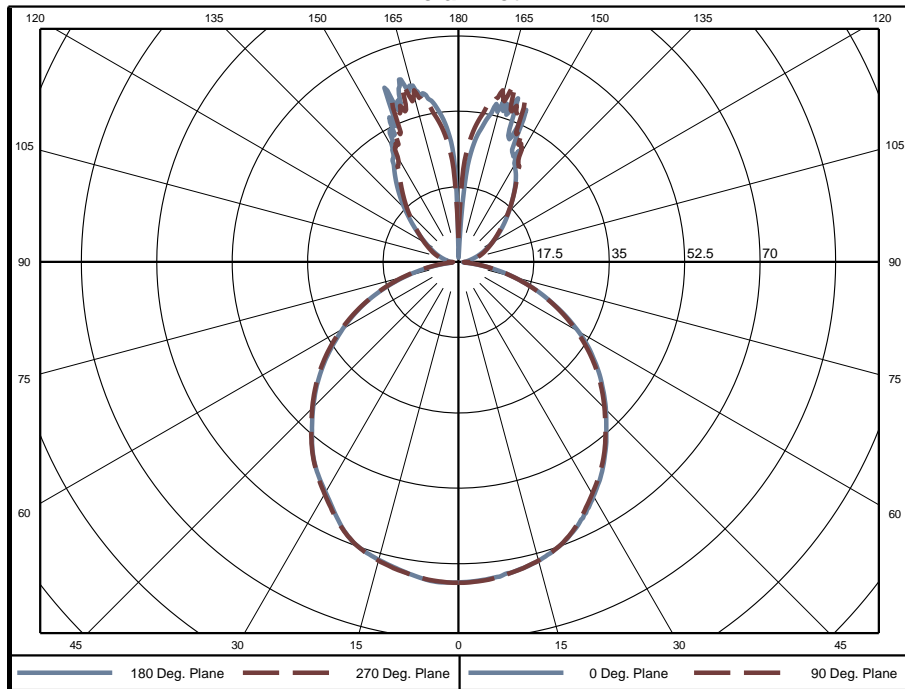
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.1541 A	18.13 W	0.980	60 Hz	8.16 %

Summary of Results

Spacing Criteria	Total Lumen Output:	289.3 Lumens
0-180: 1.25	Luminaire Efficacy:	16.0 lm/w
90-270: 1.24	Maximum Candela:	74 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)		
Crosswise: 12.6	Endwise: 12.5	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	1.77	0.6%	60-65	13.85	4.8%	120-125	4.70	1.6%
5-10	5.26	1.8%	65-70	11.29	3.9%	125-130	5.44	1.9%
10-15	8.58	3.0%	70-75	8.39	2.9%	130-135	6.19	2.1%
15-20	11.66	4.0%	75-80	5.35	1.8%	135-140	6.86	2.4%
20-25	14.28	4.9%	80-85	2.49	0.9%	140-145	7.34	2.5%
25-30	16.25	5.6%	85-90	0.78	0.3%	145-150	7.64	2.6%
30-35	17.70	6.1%	90-95	1.48	0.5%	150-155	7.82	2.7%
35-40	18.55	6.4%	95-100	1.67	0.6%	155-160	7.55	2.6%
40-45	18.70	6.5%	100-105	2.10	0.7%	160-165	6.58	2.3%
45-50	18.35	6.3%	105-110	2.69	0.9%	165-170	4.60	1.6%
50-55	17.45	6.0%	110-115	3.32	1.1%	170-175	2.30	0.8%
55-60	15.91	5.5%	115-120	3.99	1.4%	175-180	0.47	0.2%

Zone	Lumens	% of Luminaire
0-40	94	32.5%
0-60	164	56.8%
0-90	207	71.4%
90-180	83	28.6%



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	74.37	74.37	74.37	74.37	74.37	74.37	74.37	74.37	74.37	74.37	74.37	74.37	74.37	74.37	74.37	74.37
5	73.90	74.12	74.10	74.05	74.03	74.01	74.01	74.04	74.21	74.04	74.01	74.01	74.03	74.05	74.10	74.12
10	72.99	72.89	72.99	73.04	73.01	73.02	73.05	72.99	72.87	72.99	73.05	73.02	73.01	73.04	72.99	72.89
15	71.77	71.62	71.66	71.75	71.69	71.68	71.69	71.66	71.48	71.66	71.69	71.68	71.69	71.75	71.66	71.62
20	69.72	69.72	69.72	69.77	69.71	69.62	69.67	69.68	69.68	69.68	69.67	69.62	69.71	69.77	69.72	69.72
25	66.62	66.42	66.48	66.46	66.30	66.17	66.28	66.26	65.99	66.26	66.28	66.17	66.30	66.46	66.48	66.42
30	62.69	62.31	62.27	62.23	62.11	62.02	62.08	62.10	61.63	62.10	62.08	62.02	62.11	62.23	62.27	62.31
35	58.42	58.16	58.16	58.14	57.94	57.86	57.90	57.94	57.81	57.94	57.90	57.86	57.94	58.14	58.16	58.16
40	53.44	53.27	53.30	53.23	53.10	52.95	52.98	53.00	52.86	53.00	52.98	52.95	53.10	53.23	53.30	53.27
45	48.44	48.15	48.15	48.09	47.97	47.82	47.85	47.90	47.66	47.90	47.85	47.82	47.97	48.09	48.15	48.15
50	43.42	43.01	43.01	42.93	42.84	42.68	42.73	42.73	42.39	42.73	42.73	42.68	42.84	42.93	43.01	43.01
55	38.07	37.47	37.52	37.45	37.34	37.18	37.20	37.23	36.73	37.23	37.20	37.18	37.34	37.45	37.52	37.47
60	32.24	31.66	31.59	31.57	31.49	31.39	31.44	31.53	31.01	31.53	31.44	31.39	31.49	31.57	31.59	31.66
65	25.80	25.54	25.54	25.46	25.39	25.27	25.37	25.48	25.22	25.48	25.37	25.27	25.39	25.46	25.54	25.54
70	19.55	19.26	19.24	19.16	19.17	18.94	19.16	19.23	18.98	19.23	19.16	18.94	19.17	19.16	19.24	19.26
75	13.39	12.93	12.97	13.02	12.93	12.88	12.91	13.05	12.64	13.05	12.91	12.88	12.93	13.02	12.97	12.93
80	7.49	7.11	7.20	7.21	7.15	7.10	7.15	7.18	6.85	7.18	7.15	7.10	7.15	7.21	7.20	7.11
85	2.45	2.41	2.30	2.30	2.28	2.15	2.17	2.27	1.98	2.27	2.17	2.15	2.28	2.30	2.30	2.41
90	1.08	1.12	1.14	1.20	1.24	1.33	1.37	1.43	1.41	1.43	1.37	1.33	1.24	1.20	1.14	1.12
95	1.69	2.16	2.72	3.14	3.35	3.33	3.01	2.53	2.16	2.53	3.01	3.33	3.35	3.14	2.72	2.16
100	2.53	2.96	3.32	3.59	3.90	3.89	3.67	3.36	3.01	3.36	3.67	3.89	3.90	3.59	3.32	2.96
105	3.76	4.18	4.31	4.39	4.83	4.94	4.83	4.58	4.11	4.58	4.83	4.94	4.83	4.39	4.31	4.18
110	5.31	5.66	5.48	5.44	6.14	6.33	6.27	5.99	5.41	5.99	6.27	6.33	6.14	5.44	5.48	5.66
115	7.02	7.28	6.89	6.62	7.49	7.86	7.97	7.60	6.86	7.60	7.97	7.86	7.49	6.62	6.89	7.28
120	9.01	9.10	8.66	8.21	9.13	9.74	9.94	9.45	8.69	9.45	9.94	9.74	9.13	8.21	8.66	9.10
125	11.26	11.20	10.85	10.24	11.07	11.96	12.14	11.61	11.06	11.61	12.14	11.96	11.07	10.24	10.85	11.20
130	13.78	13.70	13.44	12.90	13.48	14.54	14.67	14.21	14.06	14.21	14.67	14.54	13.48	12.90	13.44	13.70
135	16.56	16.45	16.43	16.20	16.43	17.46	17.56	17.44	17.65	17.44	17.56	17.46	16.43	16.20	16.43	16.45
140	19.74	19.24	19.49	20.01	19.83	20.57	20.85	21.22	21.73	21.22	20.85	20.57	19.83	20.01	19.49	19.24
145	23.22	22.56	22.79	24.09	23.71	24.03	24.38	25.17	25.89	25.17	24.38	24.03	23.71	24.09	22.79	22.56
150	26.15	26.98	26.63	28.21	28.21	29.65	28.52	30.38	30.50	30.38	28.52	29.65	28.21	28.21	26.63	26.98
155	31.41	30.17	32.63	32.83	33.90	34.38	34.69	33.87	35.36	33.87	34.69	34.38	33.90	32.83	32.63	30.17
160	40.49	34.83	37.05	35.32	37.88	39.81	38.41	41.85	39.10	41.85	38.41	39.81	37.88	35.32	37.05	34.83
165	36.71	37.32	37.86	40.23	40.01	40.11	44.86	43.40	42.19	43.40	44.86	40.11	40.01	40.23	37.86	37.32
170	31.91	31.29	33.48	34.50	35.96	37.80	37.73	38.83	38.25	38.83	37.73	37.80	35.96	34.50	33.48	31.29
175	20.18	19.25	22.31	25.71	27.39	29.44	31.22	32.01	31.41	32.01	31.22	29.44	27.39	25.71	22.31	19.25
180	5.47	5.47	5.47	5.47	5.47	5.47	5.47	5.47	5.47	5.47	5.47	5.47	5.47	5.47	5.47	5.47

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

	0	45	90
0	4852	4852	4852
45	1450	1441	1435
55	1089	1073	1068
65	728	721	717
75	385	373	371
85	74	69	69

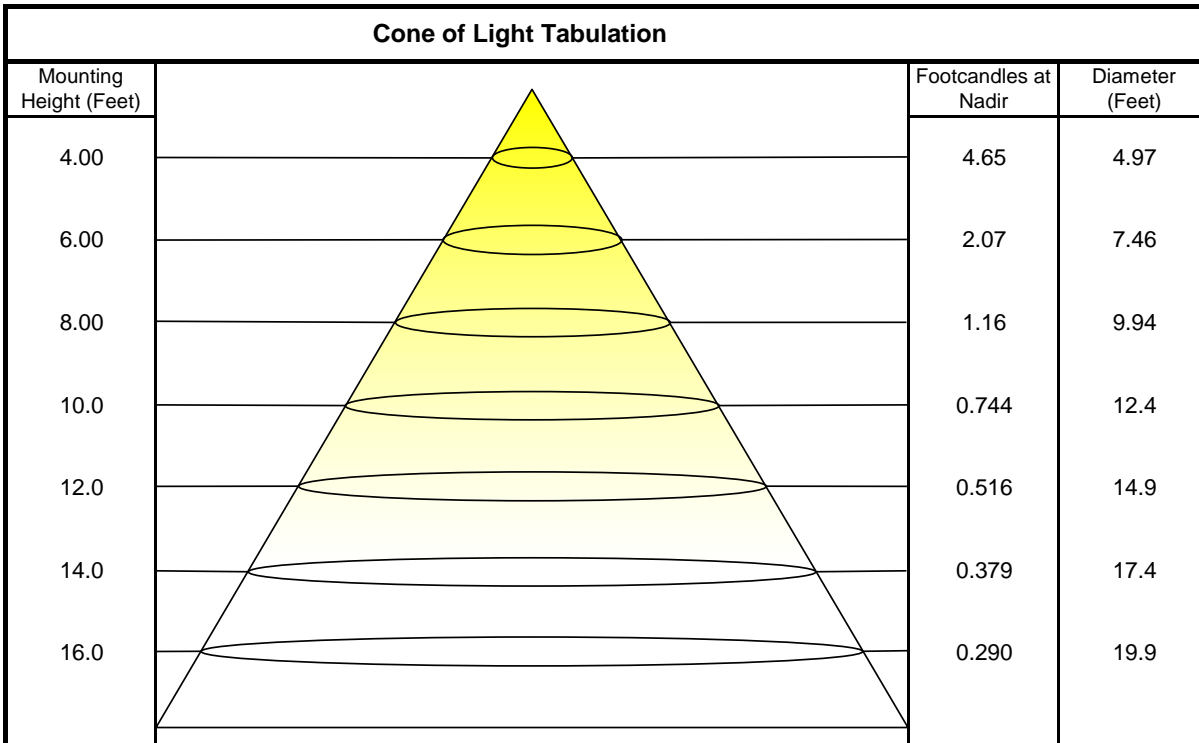


Coefficients of Utilization - Zonal Cavity Method

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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	103	98	94	90	97	93	89	86	84	81	78	75	73	71	67	65	64	60
2	93	85	79	74	88	81	75	71	73	69	65	66	62	59	59	56	54	50
3	85	75	67	61	80	71	64	59	64	59	54	58	53	50	52	48	45	42
4	78	66	58	52	73	63	56	50	57	51	46	52	47	43	46	42	39	36
5	71	59	51	44	67	56	49	43	51	45	40	46	41	37	42	37	34	31
6	66	53	45	39	62	51	43	37	46	40	35	42	36	32	38	33	30	27
7	61	48	40	34	58	46	38	33	42	35	31	38	33	29	34	30	26	24
8	57	44	36	30	53	42	34	29	38	32	27	35	29	25	32	27	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	19
10	49	37	29	24	47	35	28	24	32	26	22	30	24	21	27	23	19	18

Beam and Field Information	
CIE Type:	Semi-Direct
Center Beam Intensity:	74.37 Candela
Central Cone Intensity:	74 Candela
Beam Flux:	161.5 Lumens
Beam Angle (0-180):	110.5 Degrees
Beam Angle (90-270):	110.3 Degrees
Field Angle (0-180):	159.5 Degrees
Field Angle (90-270):	159.5 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet

