



## Distribution - Goniophotometer

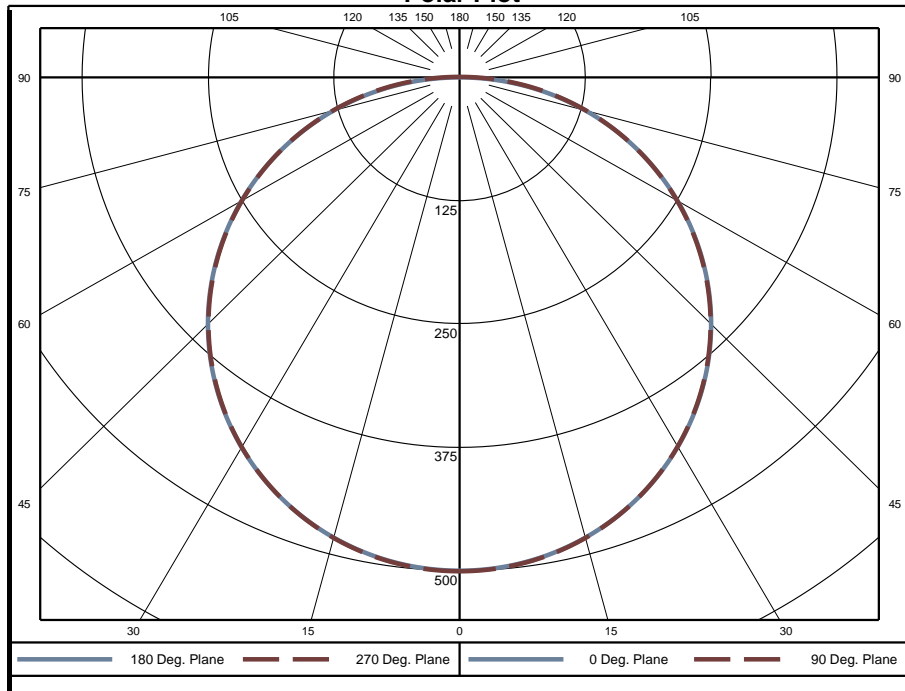
### Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.0 °C	120.0 VAC	0.1340 A	15.76 W	0.980	60 Hz	8.52 %

### Summary of Results

<b>Spacing Criteria</b>	<b>Total Lumen Output:</b>	1081 Lumens
0-180: 1.57	<b>Luminaire Efficacy:</b>	68.6 lm/w
90-270: 1.30	<b>Maximum Candela:</b>	488 Candela
<b>Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)</b>		
<b>Crosswise:</b> 21.1	<b>Endwise:</b> 19.5	

### Polar Plot



### Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	10.0	0.9%	60-65	53.8	5.0%	120-125	0	0.0%
5-10	29.7	2.7%	65-70	39.4	3.6%	125-130	0	0.0%
10-15	48.8	4.5%	70-75	27.2	2.5%	130-135	0	0.0%
15-20	66.9	6.2%	75-80	17.1	1.6%	135-140	0	0.0%
20-25	83.0	7.7%	80-85	8.9	0.8%	140-145	0	0.0%
25-30	96.4	8.9%	85-90	2.5	0.2%	145-150	0	0.0%
30-35	106.2	9.8%	90-95	0	0.0%	150-155	0	0.0%
35-40	111.4	10.3%	95-100	0	0.0%	155-160	0	0.0%
40-45	111.3	10.3%	100-105	0	0.0%	160-165	0	0.0%
45-50	105.0	9.7%	105-110	0	0.0%	165-170	0	0.0%
50-55	91.5	8.5%	110-115	0	0.0%	170-175	0	0.0%
55-60	72.1	6.7%	115-120	0	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	552	51.1%
0-60	932	86.2%
0-90	1081	100.0%
90-180	0	0.0%



**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	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9	416.9
5	438.3	436.1	430.6	423.3	414.8	407.7	402.2	398.8	395.5	398.8	402.2	407.7	414.8	423.3	430.6	436.1
10	458.2	453.2	442.9	428.2	411.3	396.4	384.3	377.3	371.6	377.3	384.3	396.4	411.3	428.2	442.9	453.2
15	475.9	468.7	453.9	431.3	405.8	382.7	364.7	355.4	349.2	355.4	364.7	382.7	405.8	431.3	453.9	468.7
20	486.5	478.8	460.7	430.8	396.1	365.2	343.7	332.2	325.0	332.2	343.7	365.2	396.1	430.8	460.7	478.8
25	487.5	479.2	461.6	425.9	383.1	344.6	320.2	307.2	299.6	307.2	320.2	344.6	383.1	425.9	461.6	479.2
30	474.3	467.9	454.2	416.6	366.7	322.4	294.8	280.5	272.2	280.5	294.8	322.4	366.7	416.6	454.2	467.9
35	448.4	443.7	436.2	401.0	346.0	297.3	267.8	251.5	242.3	251.5	267.8	297.3	346.0	401.0	436.2	443.7
40	410.9	407.9	406.3	377.2	319.3	268.8	238.4	220.6	212.2	220.6	238.4	268.8	319.3	377.2	406.3	407.9
45	360.0	359.6	362.3	341.7	286.5	236.5	206.2	192.0	184.5	192.0	206.2	236.5	286.5	341.7	362.3	359.6
50	298.1	294.7	298.4	290.5	245.3	199.7	173.4	164.2	158.7	164.2	173.4	199.7	245.3	290.5	298.4	294.7
55	231.8	224.7	216.3	216.5	192.7	157.4	141.8	136.5	133.6	136.5	141.8	157.4	192.7	216.5	216.3	224.7
60	160.3	159.4	143.7	144.5	144.9	114.0	99.1	108.4	100.0	108.4	99.1	114.0	144.9	144.5	143.7	159.4
65	109.3	105.4	105.2	99.7	102.9	81.5	74.4	78.7	76.5	78.7	74.4	81.5	102.9	99.7	105.2	105.4
70	74.1	69.5	70.3	67.1	64.9	58.6	57.2	57.3	59.5	57.3	57.2	58.6	64.9	67.1	70.3	69.5
75	44.9	43.5	41.7	41.3	34.3	38.3	40.6	42.7	43.8	42.7	40.6	38.3	34.3	41.3	41.7	43.5
80	22.2	21.7	21.6	20.9	19.2	22.1	27.5	30.9	30.7	30.9	27.5	22.1	19.2	20.9	21.6	21.7
85	2.1	2.3	4.1	6.5	8.8	11.2	15.7	17.2	15.4	17.2	15.7	11.2	8.8	6.5	4.1	2.3
90	0.1	0.1	0.1	0.2	0.6	1.3	2.1	2.7	2.0	2.7	2.1	1.3	0.6	0.2	0.1	0.1
95	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
100	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
105	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
110	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
115	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
120	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
125	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
130	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
135	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
140	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
145	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
150	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
155	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
160	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
165	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
170	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
175	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
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/m<sup>2</sup>)**  
Horizontal Angle (Degrees)

	0	45	90
0	7692	7692	7692
45	9395	9455	7476
55	7457	6957	6199
65	4771	4595	4493
75	3198	2970	2444
85	443	878	1870

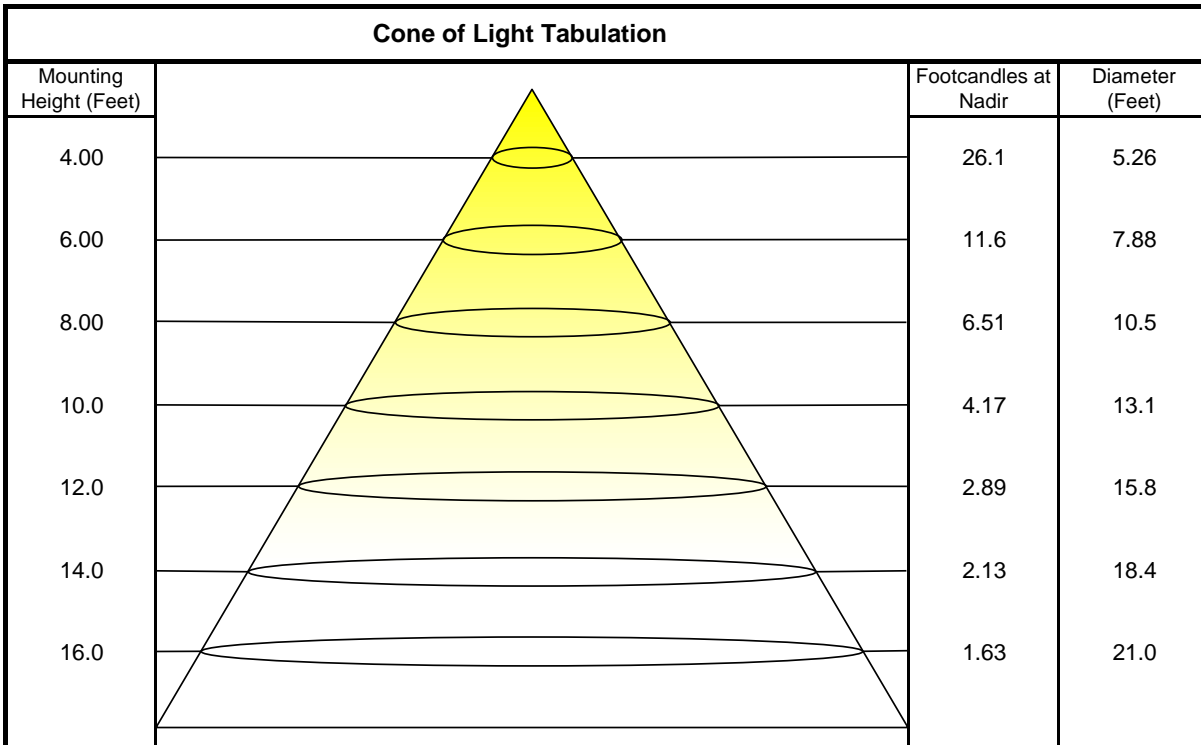


### Coefficients of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	37	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	416.9 Candela
Central Cone Intensity:	417 Candela
Beam Flux:	798.3 Lumens
Beam Angle (0-180):	97.2 Degrees
Beam Angle (90-270):	107.2 Degrees
Field Angle (0-180):	151.4 Degrees
Field Angle (90-270):	147.2 Degrees





### ISOFootcandle Plot

Mounting Height - 8 Feet

