



## Distribution - Goniophotometer

### Distribution Test Conditions

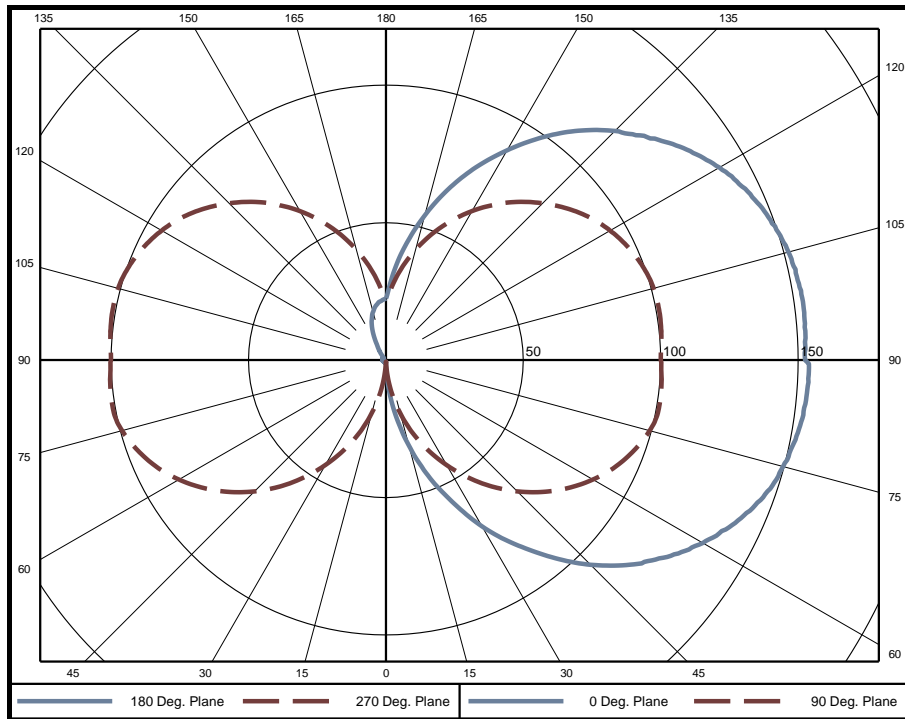
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.1 VAC	0.1476 A	17.22 W	0.971	60 Hz	11.0 %

### Summary of Results

**Spacing Criteria**  
 0-180: 13.85  
 90-270: 12.01

**Total Lumen Output:** 1060 Lumens  
**Luminaire Efficacy:** 61.6 lm/w  
**Maximum Candela:** 171 Candela

### Polar Plot



### Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.08	0.0%	60-65	45.32	4.3%	120-125	43.39	4.1%
5-10	0.69	0.1%	65-70	49.45	4.7%	125-130	38.80	3.7%
10-15	2.09	0.2%	70-75	52.80	5.0%	130-135	33.92	3.2%
15-20	4.29	0.4%	75-80	55.22	5.2%	135-140	29.03	2.7%
20-25	7.26	0.7%	80-85	56.59	5.3%	140-145	24.25	2.3%
25-30	10.91	1.0%	85-90	57.08	5.4%	145-150	19.55	1.8%
30-35	15.17	1.4%	90-95	57.02	5.4%	150-155	15.17	1.4%
35-40	19.91	1.9%	95-100	56.77	5.4%	155-160	11.18	1.1%
40-45	25.02	2.4%	100-105	55.74	5.3%	160-165	7.65	0.7%
45-50	30.26	2.9%	105-110	53.81	5.1%	165-170	4.65	0.4%
50-55	35.50	3.3%	110-115	50.99	4.8%	170-175	2.28	0.2%
55-60	40.60	3.8%	115-120	47.48	4.5%	175-180	0.61	0.1%

Zone	Lumens	% of Luminaire
0-40	60	5.7%
0-60	192	18.1%
0-90	508	47.9%
90-180	552	52.1%



**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	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
5	9.4	10.1	9.1	6.5	4.5	3.8	2.2	1.0	0.9	1.0	2.2	3.8	4.5	6.5	9.1	10.1
10	20.5	23.1	22.2	17.4	12.1	10.9	7.1	2.2	0.9	2.2	7.1	10.9	12.1	17.4	22.2	23.1
15	32.2	36.9	35.6	28.6	19.8	17.9	12.2	4.2	0.7	4.2	12.2	17.9	19.8	28.6	35.6	36.9
20	44.7	51.1	49.5	40.0	28.0	25.5	17.7	6.8	0.9	6.8	17.7	25.5	28.0	40.0	49.5	51.1
25	56.9	65.4	63.1	51.4	36.0	32.8	22.9	9.1	0.8	9.1	22.9	32.8	36.0	51.4	63.1	65.4
30	69.9	79.5	76.5	62.6	44.0	40.2	28.2	11.5	0.9	11.5	28.2	40.2	44.0	62.6	76.5	79.5
35	81.8	93.1	89.6	73.7	52.1	47.5	33.3	13.7	0.9	13.7	33.3	47.5	52.1	73.7	89.6	93.1
40	93.6	106.2	102.1	84.4	60.0	54.8	38.3	15.9	0.9	15.9	38.3	54.8	60.0	84.4	102.1	106.2
45	105.4	118.3	114.1	94.5	67.5	61.7	43.2	18.0	0.9	18.0	43.2	61.7	67.5	94.5	114.1	118.3
50	115.9	129.4	124.5	103.8	74.6	68.1	47.7	19.8	0.9	19.8	47.7	68.1	74.6	103.8	124.5	129.4
55	125.0	139.9	134.6	112.4	81.1	74.1	51.9	21.6	0.9	21.6	51.9	74.1	81.1	112.4	134.6	139.9
60	133.2	149.4	143.6	119.7	86.9	79.5	55.8	23.3	1.0	23.3	55.8	79.5	86.9	119.7	143.6	149.4
65	140.3	157.3	151.1	126.1	92.0	84.1	59.1	24.8	1.0	24.8	59.1	84.1	92.0	126.1	151.1	157.3
70	146.1	163.2	156.7	130.9	96.1	87.8	61.6	25.9	1.0	25.9	61.6	87.8	96.1	130.9	156.7	163.2
75	149.6	167.3	160.9	134.7	99.3	90.7	63.6	26.8	1.1	26.8	63.6	90.7	99.3	134.7	160.9	167.3
80	152.2	169.6	162.8	136.5	100.9	92.3	64.6	27.4	1.2	27.4	64.6	92.3	100.9	136.5	162.8	169.6
85	153.6	170.9	163.4	136.5	100.7	92.3	65.0	27.7	1.2	27.7	65.0	92.3	100.7	136.5	163.4	170.9
90	152.5	170.4	162.8	136.5	100.1	92.0	65.2	27.6	1.2	27.6	65.2	92.0	100.1	136.5	162.8	170.4
95	153.1	171.0	163.6	137.0	100.7	92.5	65.4	27.7	1.2	27.7	65.4	92.5	100.7	137.0	163.6	171.0
100	152.9	170.6	163.4	137.0	101.1	92.9	65.5	27.6	1.2	27.6	65.5	92.9	101.1	137.0	163.4	170.6
105	151.7	169.2	162.2	136.3	100.9	92.6	65.0	27.4	1.2	27.4	65.0	92.6	100.9	136.3	162.2	169.2
110	148.9	165.8	159.1	134.1	99.5	91.3	63.8	26.8	1.2	26.8	63.8	91.3	99.5	134.1	159.1	165.8
115	145.2	161.1	155.0	130.6	97.3	89.1	62.0	26.0	1.2	26.0	62.0	89.1	97.3	130.6	155.0	161.1
120	140.2	155.4	149.5	126.4	94.2	86.2	59.8	25.0	1.3	25.0	59.8	86.2	94.2	126.4	149.5	155.4
125	133.6	148.0	142.9	120.9	90.5	82.7	57.1	23.8	1.3	23.8	57.1	82.7	90.5	120.9	142.9	148.0
130	125.5	139.0	134.6	114.8	85.9	78.4	54.3	22.3	1.1	22.3	54.3	78.4	85.9	114.8	134.6	139.0
135	118.0	129.4	125.5	107.4	80.7	73.8	51.8	20.9	1.0	20.9	51.8	73.8	80.7	107.4	125.5	129.4
140	109.0	119.1	116.2	99.4	75.1	69.0	49.3	21.0	2.1	21.0	49.3	69.0	75.1	99.4	116.2	119.1
145	99.0	108.1	105.5	90.8	69.1	63.8	46.8	21.0	4.2	21.0	46.8	63.8	69.1	90.8	105.5	108.1
150	88.2	96.0	94.0	81.3	62.6	58.2	43.8	21.5	6.6	21.5	43.8	58.2	62.6	81.3	94.0	96.0
155	77.4	83.4	82.0	71.4	55.8	52.3	40.5	23.0	11.2	23.0	40.5	52.3	55.8	71.4	82.0	83.4
160	66.1	70.5	69.5	61.2	48.8	46.3	37.3	24.3	15.2	24.3	37.3	46.3	48.8	61.2	69.5	70.5
165	54.5	57.3	56.8	50.6	41.5	40.0	33.7	24.8	18.2	24.8	33.7	40.0	41.5	50.6	56.8	57.3
170	43.2	44.2	44.0	40.0	34.4	33.4	30.0	24.4	20.3	24.4	30.0	33.4	34.4	40.0	44.0	44.2
175	32.1	31.5	31.3	29.6	27.3	26.9	25.5	23.3	21.6	23.3	25.5	26.9	27.3	29.6	31.3	31.5
180	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5

**Average Luminance (cd/m<sup>2</sup>)**

Horizontal Angle (Degrees)

	0	45	90
0	79	79	79
45	2719	2536	2285
55	2965	2726	2578
65	3171	2894	2840
75	3326	3007	3069
85	3462	3075	3212

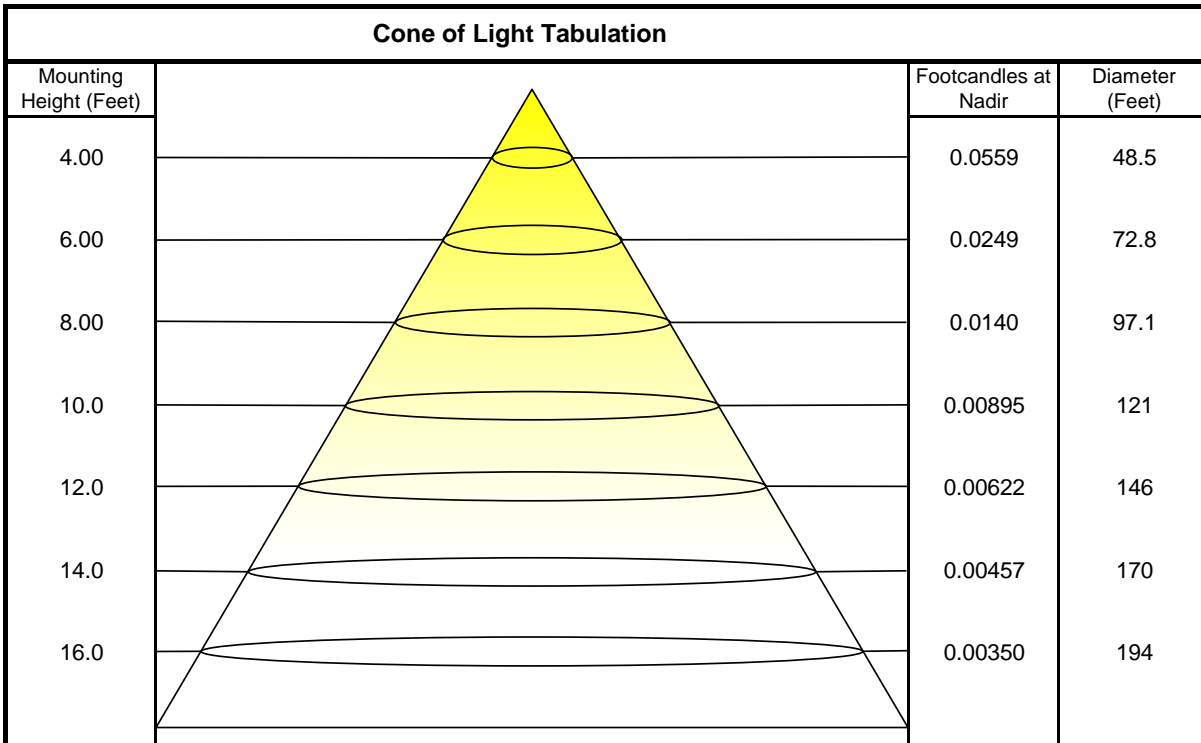


### Coefficients of Utilization - Zonal Cavity Method

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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	92	85	79	74	84	78	72	68	64	60	56	51	48	45	39	37	35	29
2	81	71	63	56	74	65	57	51	53	47	42	42	37	33	31	28	25	20
3	73	61	51	44	66	55	47	40	45	38	33	35	30	26	26	22	19	14
4	66	53	43	36	59	48	39	32	39	32	26	30	25	21	22	18	15	11
5	60	46	36	29	54	42	33	27	34	27	22	26	21	17	19	15	12	8
6	55	41	31	25	49	37	29	22	30	23	18	23	18	14	17	13	10	7
7	50	36	27	21	45	33	25	19	27	20	15	21	16	12	15	11	8	5
8	46	33	24	18	42	30	22	16	24	18	13	19	14	10	14	10	7	4
9	43	30	21	16	39	27	19	14	22	16	11	17	12	9	13	9	6	4
10	40	27	19	14	36	25	17	12	20	14	10	16	11	8	12	8	5	3

Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	0.9 Candela
Central Cone Intensity:	N/A Candela
Beam Flux:	1060.5 Lumens
Beam Angle (0-180):	N/A Degrees
Beam Angle (90-270):	N/A Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	N/A Degrees





### ISOFootcandle Plot

Mounting Height - 8 Feet

