



Distribution - Goniophotometer

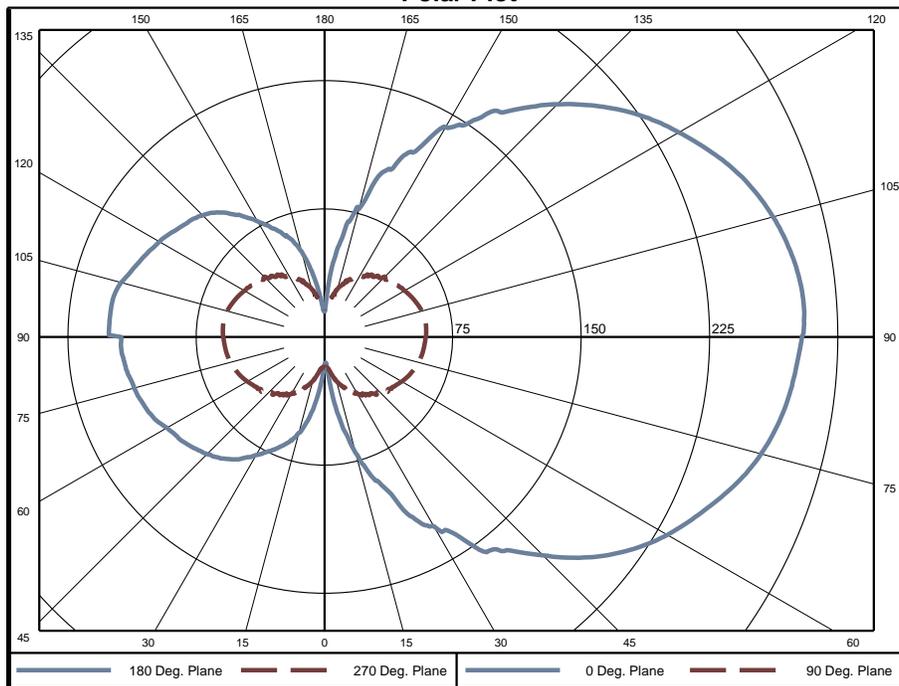
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.1439 A	17.18 W	0.994	60 Hz	6.30 %

Summary of Results

Spacing Criteria	Total Lumen Output:	1358 Lumens
0-180: 5.99	Luminaire Efficacy:	79.0 lm/w
90-270: 3.08	Maximum Candela:	281 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)		
Crosswise: 23.7	Endwise: 11.4	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.45	0.0%	60-65	57.69	4.2%	120-125	52.92	3.9%
5-10	2.03	0.1%	65-70	62.56	4.6%	125-130	47.12	3.5%
10-15	4.81	0.4%	70-75	66.73	4.9%	130-135	41.21	3.0%
15-20	8.42	0.6%	75-80	69.97	5.2%	135-140	35.16	2.6%
20-25	12.69	0.9%	80-85	72.27	5.3%	140-145	29.13	2.1%
25-30	17.43	1.3%	85-90	73.59	5.4%	145-150	23.29	1.7%
30-35	22.77	1.7%	90-95	74.31	5.5%	150-155	17.83	1.3%
35-40	28.42	2.1%	95-100	73.61	5.4%	155-160	12.96	1.0%
40-45	34.16	2.5%	100-105	71.51	5.3%	160-165	8.65	0.6%
45-50	40.39	3.0%	105-110	67.89	5.0%	165-170	4.96	0.4%
50-55	46.49	3.4%	110-115	63.37	4.7%	170-175	2.12	0.2%
55-60	52.24	3.8%	115-120	58.32	4.3%	175-180	0.46	0.0%

Zone	Lumens	% of Luminaire
0-40	97	7.1%
0-60	270	19.9%
0-90	673	49.6%
90-180	685	50.4%



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	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
5	19.4	20.3	18.4	17.5	18.5	21.3	24.7	26.8	29.4	26.8	24.7	21.3	18.5	17.5	18.4	20.3
10	46.6	43.9	33.9	25.7	21.9	26.0	34.3	42.0	45.3	42.0	34.3	26.0	21.9	25.7	33.9	43.9
15	70.4	66.7	49.7	35.4	26.8	30.4	42.5	53.4	58.1	53.4	42.5	30.4	26.8	35.4	49.7	66.7
20	89.4	83.1	65.1	43.5	31.0	34.0	48.5	62.2	66.8	62.2	48.5	34.0	31.0	43.5	65.1	83.1
25	113.9	102.5	77.9	50.6	36.2	35.7	54.7	68.8	73.4	68.8	54.7	35.7	36.2	50.6	77.9	102.5
30	128.0	118.1	88.3	58.2	38.1	36.9	60.8	75.2	79.9	75.2	60.8	36.9	38.1	58.2	88.3	118.1
35	147.4	132.9	104.4	67.3	41.9	38.6	67.0	81.4	87.6	81.4	67.0	38.6	41.9	67.3	104.4	132.9
40	163.5	148.5	113.4	75.3	43.1	39.9	72.6	87.1	92.9	87.1	72.6	39.9	43.1	75.3	113.4	148.5
45	180.7	165.5	127.2	80.4	46.5	41.0	78.1	92.1	97.0	92.1	78.1	41.0	46.5	80.4	127.2	165.5
50	200.6	182.4	139.2	86.2	48.3	41.6	83.3	96.7	100.6	96.7	83.3	41.6	48.3	86.2	139.2	182.4
55	217.5	197.1	150.0	92.7	50.3	41.8	87.5	100.3	103.8	100.3	87.5	41.8	50.3	92.7	150.0	197.1
60	231.5	210.5	160.0	98.6	52.2	42.2	91.4	103.5	106.4	103.5	91.4	42.2	52.2	98.6	160.0	210.5
65	243.1	222.2	168.8	103.7	54.1	42.1	95.2	106.8	110.6	106.8	95.2	42.1	54.1	103.7	168.8	222.2
70	254.7	231.7	176.1	107.8	55.7	42.1	98.6	109.7	113.1	109.7	98.6	42.1	55.7	107.8	176.1	231.7
75	264.1	239.5	182.1	111.2	57.0	42.0	101.2	112.1	115.2	112.1	101.2	42.0	57.0	111.2	182.1	239.5
80	270.9	245.7	186.7	113.8	57.9	41.5	102.9	113.5	117.1	113.5	102.9	41.5	57.9	113.8	186.7	245.7
85	275.3	249.8	189.7	115.5	58.6	41.3	103.8	114.6	118.7	114.6	103.8	41.3	58.6	115.5	189.7	249.8
90	279.1	252.4	191.9	117.0	59.2	41.2	103.7	115.0	118.8	115.0	103.7	41.2	59.2	117.0	191.9	252.4
95	280.5	253.2	192.4	117.7	59.7	41.3	103.3	115.2	126.0	115.2	103.3	41.3	59.7	117.7	192.4	253.2
100	277.2	251.0	190.9	117.0	59.7	41.5	102.8	114.6	125.7	114.6	102.8	41.5	59.7	117.0	190.9	251.0
105	271.4	244.9	186.7	114.7	58.9	40.8	100.3	112.6	123.1	112.6	100.3	40.8	58.9	114.7	186.7	244.9
110	263.2	236.1	180.2	111.1	57.5	39.7	96.1	109.2	118.6	109.2	96.1	39.7	57.5	111.1	180.2	236.1
115	252.1	225.9	172.7	107.0	55.9	38.6	91.8	105.4	114.9	105.4	91.8	38.6	55.9	107.0	172.7	225.9
120	239.2	214.6	164.1	102.1	54.1	38.0	87.6	102.1	111.5	102.1	87.6	38.0	54.1	102.1	164.1	214.6
125	225.8	202.1	154.7	96.7	52.4	37.5	83.4	98.5	107.8	98.5	83.4	37.5	52.4	96.7	154.7	202.1
130	209.9	188.0	144.5	90.7	50.2	36.9	78.8	94.5	104.3	94.5	78.8	36.9	50.2	90.7	144.5	188.0
135	192.5	173.5	133.6	84.8	49.9	36.3	74.0	90.4	100.8	90.4	74.0	36.3	49.9	84.8	133.6	173.5
140	173.7	157.7	122.1	80.4	46.2	35.7	68.6	84.8	95.2	84.8	68.6	35.7	46.2	80.4	122.1	157.7
145	155.7	139.6	114.8	73.5	44.2	34.5	62.2	77.9	87.5	77.9	62.2	34.5	44.2	73.5	114.8	139.6
150	141.8	126.6	99.9	65.1	40.2	33.3	55.5	70.6	78.2	70.6	55.5	33.3	40.2	65.1	99.9	126.6
155	119.6	108.3	85.0	59.7	36.9	32.2	49.0	63.6	70.1	63.6	49.0	32.2	36.9	59.7	85.0	108.3
160	103.3	91.0	74.6	49.3	33.1	30.0	43.1	56.2	62.2	56.2	43.1	30.0	33.1	49.3	74.6	91.0
165	77.5	72.6	57.4	42.0	29.0	26.5	36.9	46.6	52.0	46.6	36.9	26.5	29.0	42.0	57.4	72.6
170	58.6	53.0	42.8	30.6	23.8	21.8	27.9	33.9	35.8	33.9	27.9	21.8	23.8	30.6	42.8	53.0
175	35.7	30.1	26.7	21.1	17.5	17.0	19.4	20.4	21.2	20.4	19.4	17.0	17.5	21.1	26.7	30.1
180	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7

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

	0	45	90
0	706	706	706
45	2590	1793	1157
55	2894	1961	1232
65	3107	2118	1345
75	3347	2263	1483
85	3565	2406	1653

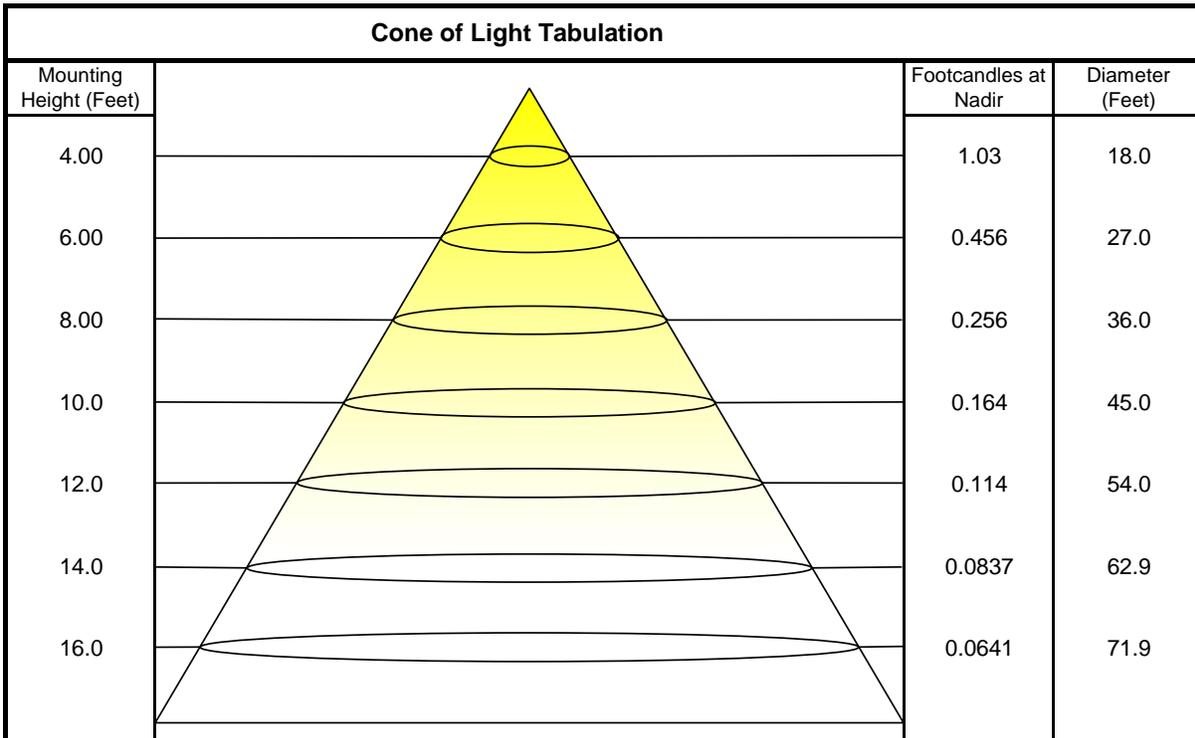


Coefficients of Utilization - Zonal Cavity Method

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	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	92	86	80	74	84	78	73	68	65	61	57	52	49	46	41	38	36	30
2	82	72	63	56	74	65	58	52	54	48	43	43	38	34	33	29	26	21
3	73	61	52	44	66	56	48	41	46	39	34	36	31	27	27	23	20	16
4	66	53	44	36	60	48	40	33	39	33	27	31	26	22	23	19	16	12
5	60	47	37	30	55	42	34	27	35	28	23	27	22	18	21	16	13	10
6	55	41	32	25	50	38	29	23	31	24	19	24	19	15	18	14	11	8
7	51	37	28	21	46	34	25	20	28	21	16	22	17	13	16	12	9	6
8	47	33	24	19	43	30	22	17	25	18	14	20	15	11	15	11	8	5
9	44	30	22	16	40	27	20	15	23	16	12	18	13	9	14	10	7	5
10	41	27	19	14	37	25	18	13	21	15	11	16	12	8	13	9	6	4

Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	16.4 Candela
Central Cone Intensity:	N/A Candela
Beam Flux:	N/A 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

