



Distribution - Goniophotometer

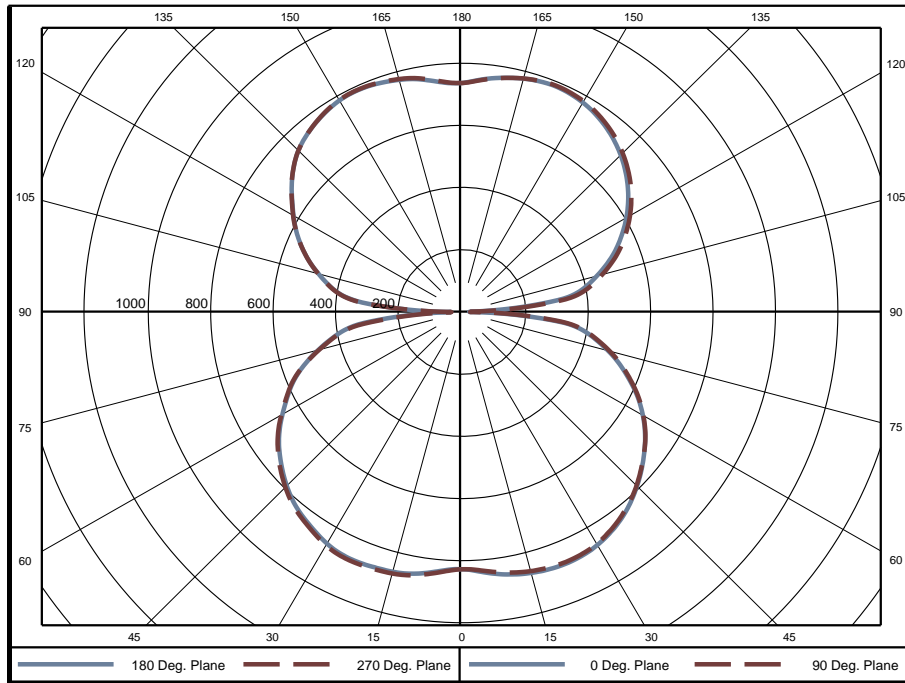
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.0 VAC	0.5888 A	70.14 W	0.992	60 Hz	6.02 %

Summary of Results

Spacing Criteria	Total Lumen Output:	7483 Lumens
0-180: 1.55	Luminaire Efficacy:	106.7 lm/w
90-270: 1.54	Maximum Candela:	875 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)	Endwise:	17.9
Crosswise: 17.8		

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	19.9	0.3%	60-65	309.7	4.1%	120-125	294.4	3.9%
5-10	60.6	0.8%	65-70	294.0	3.9%	125-130	294.3	3.9%
10-15	102.2	1.4%	70-75	269.3	3.6%	130-135	287.6	3.8%
15-20	143.1	1.9%	75-80	237.1	3.2%	135-140	273.6	3.7%
20-25	182.7	2.4%	80-85	188.4	2.5%	140-145	253.3	3.4%
25-30	219.5	2.9%	85-90	72.0	1.0%	145-150	228.1	3.0%
30-35	251.3	3.4%	90-95	73.0	1.0%	150-155	198.2	2.6%
35-40	277.8	3.7%	95-100	189.1	2.5%	155-160	164.6	2.2%
40-45	298.4	4.0%	100-105	233.5	3.1%	160-165	128.5	1.7%
45-50	311.8	4.2%	105-110	259.4	3.5%	165-170	91.3	1.2%
50-55	318.9	4.3%	110-115	277.7	3.7%	170-175	54.0	0.7%
55-60	318.5	4.3%	115-120	289.1	3.9%	175-180	17.7	0.2%

Zone	Lumens	% of Luminaire
0-40	1257	16.8%
0-60	2505	33.5%
0-90	3875	51.8%
90-180	3607	48.2%



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	826.9	826.9	826.9	826.9	826.9	826.9	826.9	826.9	826.9	826.9	826.9	826.9	826.9	826.9	826.9	826.9
5	839.4	838.1	836.4	834.8	834.4	834.4	834.7	835.1	837.0	838.4	840.2	840.3	841.2	841.0	840.2	839.3
10	856.5	854.6	852.4	850.0	850.3	850.6	851.6	852.0	854.0	855.8	857.6	858.3	859.4	859.4	858.6	856.8
15	867.8	866.2	863.7	861.6	861.8	862.6	863.4	864.5	862.8	864.6	866.7	867.8	868.8	868.5	867.4	865.5
20	874.2	872.2	869.2	867.9	868.1	869.7	870.6	871.5	866.7	868.8	870.7	871.8	872.5	872.3	870.5	867.9
25	873.7	871.3	868.7	868.1	868.5	870.3	871.4	872.1	867.5	869.8	872.0	873.4	873.6	873.5	871.2	868.4
30	865.0	862.9	860.1	859.7	861.1	862.9	864.5	865.5	857.7	860.1	862.5	864.2	864.5	864.0	861.7	858.7
35	848.0	844.2	841.9	841.3	842.9	845.7	847.7	848.5	838.7	841.2	843.2	845.0	845.1	844.8	842.0	837.8
40	822.5	818.9	816.7	815.6	818.5	822.4	825.0	824.9	817.9	820.8	822.2	823.9	824.3	823.9	820.4	816.2
45	789.4	786.7	784.6	784.0	787.1	791.7	794.6	793.7	787.6	790.6	791.8	793.4	794.4	793.5	789.0	784.0
50	752.5	749.8	748.4	747.7	750.9	755.1	757.5	757.0	750.7	754.5	755.3	756.9	757.4	756.6	752.1	746.3
55	712.4	711.5	709.7	709.1	713.2	717.8	719.4	718.6	709.7	713.6	714.3	715.1	715.1	715.4	710.6	702.6
60	665.7	665.1	663.6	662.2	667.6	672.4	672.5	671.1	658.2	662.1	662.6	662.7	662.8	663.5	658.1	649.2
65	611.5	611.9	610.5	607.7	615.0	619.7	619.6	615.0	605.4	609.3	609.8	608.2	608.5	609.6	604.3	595.6
70	549.8	551.8	550.8	546.5	554.9	559.8	559.1	552.0	545.5	549.8	549.3	545.4	547.3	549.8	545.4	535.6
75	484.1	491.7	486.7	480.7	489.6	500.3	495.8	484.5	470.5	477.2	471.9	467.5	467.7	478.1	472.6	464.3
80	413.3	416.3	415.2	414.2	418.6	426.8	424.2	415.8	393.9	390.0	389.2	386.6	389.3	392.7	395.0	394.6
85	279.7	284.0	287.2	291.4	295.0	299.2	301.3	291.7	234.8	220.4	212.3	207.8	209.0	214.9	218.5	225.7
90	33.0	31.4	37.3	44.3	42.0	40.0	41.3	40.4	31.1	27.9	31.2	42.2	38.1	32.8	37.6	41.3
95	211.2	210.7	213.7	222.4	235.1	247.9	258.1	252.8	291.9	300.2	299.4	299.6	293.7	287.0	274.2	259.1
100	382.7	385.1	385.7	393.9	400.5	403.7	405.4	403.6	410.9	415.6	415.4	412.7	413.3	411.7	405.9	399.0
105	446.1	453.6	462.6	460.2	463.8	471.5	477.5	471.5	469.3	477.8	478.9	472.9	470.8	474.3	470.8	458.9
110	506.5	514.7	518.4	520.5	523.1	530.5	531.1	530.6	525.8	530.6	528.6	527.8	526.1	527.3	521.9	515.4
115	558.0	563.6	566.9	570.1	572.9	579.0	579.1	578.0	574.7	578.8	575.7	576.1	575.3	574.5	569.6	564.2
120	605.3	609.0	611.8	615.7	618.7	624.0	623.5	622.0	617.3	622.0	618.5	619.8	618.9	617.5	612.6	608.2
125	647.3	648.9	651.6	656.0	659.2	663.0	662.8	662.6	659.4	664.3	660.0	661.3	660.6	658.5	653.9	651.0
130	683.9	684.8	686.6	690.8	694.4	697.7	698.0	697.9	700.5	704.0	701.5	702.3	700.9	698.6	694.7	691.8
135	715.5	715.3	716.8	720.8	724.2	727.1	727.8	727.0	733.8	735.7	734.3	735.2	734.0	731.6	728.2	724.5
140	741.5	741.2	741.7	745.2	749.1	751.0	751.5	750.9	755.3	756.1	756.1	757.2	755.6	752.8	749.8	746.9
145	761.8	760.9	761.6	764.4	768.2	769.3	770.0	769.1	770.7	771.3	772.3	773.4	772.0	769.1	766.5	764.2
150	776.2	775.0	775.9	777.5	781.3	781.8	782.6	781.9	781.9	782.3	784.1	784.6	783.1	781.0	779.1	776.8
155	783.9	782.3	783.2	784.3	787.3	787.2	788.0	787.7	784.7	785.3	787.1	787.2	786.1	784.5	783.2	780.9
160	784.0	782.5	783.0	783.8	786.1	785.7	786.1	785.8	780.3	781.3	782.8	783.1	781.9	781.3	780.5	778.4
165	776.3	775.4	775.7	775.5	776.8	776.9	777.0	776.4	771.7	773.5	774.6	775.1	774.3	774.2	773.8	772.1
170	764.0	763.9	763.6	763.1	763.5	763.7	763.7	763.0	759.4	761.1	762.4	762.5	762.4	762.3	762.5	760.8
175	749.5	748.8	748.7	748.3	747.8	748.0	748.4	747.8	741.6	742.8	743.7	744.3	744.5	744.7	744.8	744.0
180	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

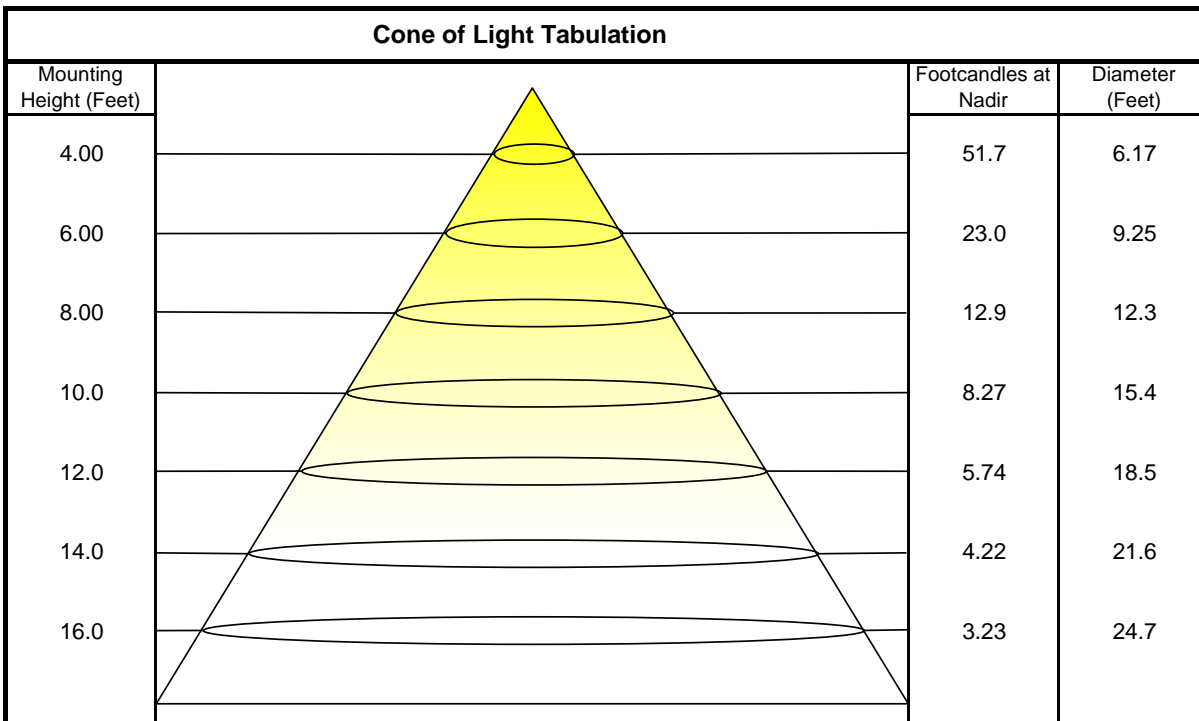
	0	45	90
0	1498	1498	1498
45	1783	1772	1777
55	1887	1880	1889
65	2033	2030	2045
75	2254	2266	2279
85	2286	2348	2412



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	108	108	108	108	99	99	99	99	84	84	84	70	70	70	58	58	58	52
1	96	91	86	82	89	84	80	76	71	68	65	59	57	55	48	46	45	40
2	87	78	71	65	80	72	66	61	61	56	52	50	47	44	41	38	36	31
3	78	68	60	53	72	63	55	49	53	47	43	44	39	36	35	32	29	25
4	71	59	51	44	65	55	47	41	46	40	35	38	34	30	31	27	25	21
5	65	52	44	37	60	49	41	35	41	35	30	34	29	25	28	24	21	18
6	60	47	38	32	55	43	35	30	37	30	26	30	26	22	25	21	18	15
7	55	42	34	28	50	39	31	26	33	27	22	28	23	19	22	19	16	13
8	51	38	30	24	47	35	28	23	30	24	20	25	20	17	20	17	14	11
9	47	35	27	21	44	32	25	20	27	22	17	23	18	15	19	15	12	10
10	44	32	24	19	41	29	22	18	25	19	16	21	17	13	17	14	11	9

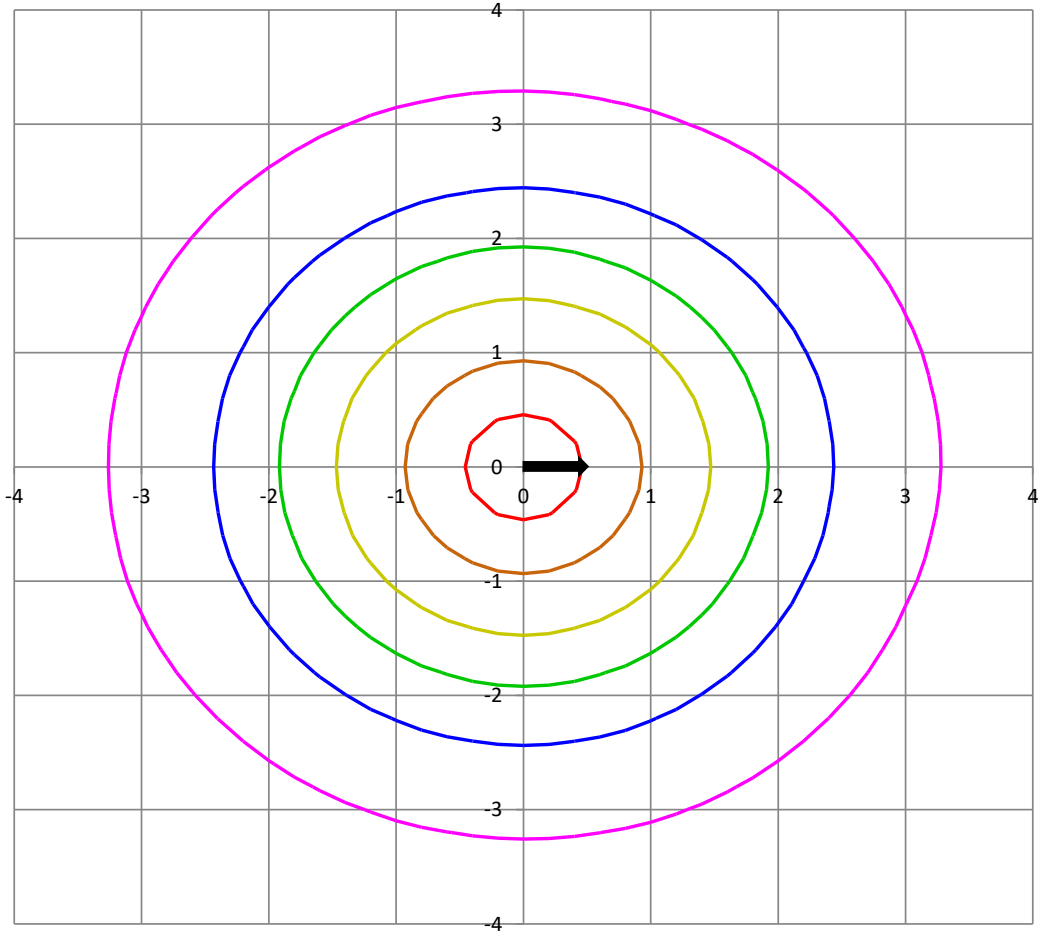
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	826.9 Candela
Central Cone Intensity:	831 Candela
Beam Flux:	6906.3 Lumens
Beam Angle (0-180):	158.7 Degrees
Beam Angle (90-270):	158.8 Degrees
Field Angle (0-180):	176.9 Degrees
Field Angle (90-270):	176.7 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

