



Distribution - Goniophotometer

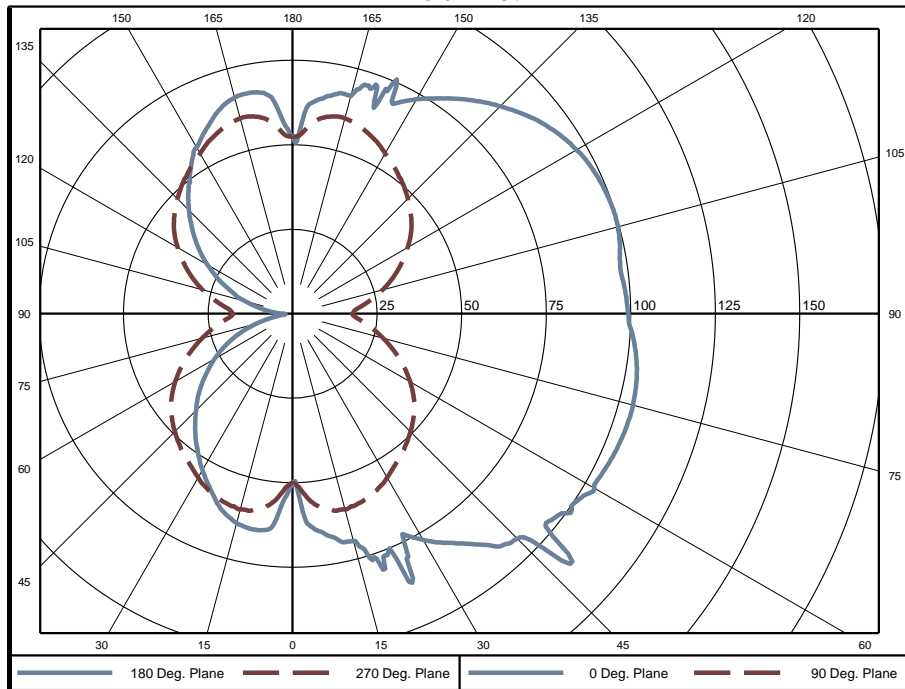
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.8 °C	120.0 VAC	0.1008 A	12.03 W	0.994	60 Hz	5.87 %

Summary of Results

Spacing Criteria	Total Lumen Output:	632.9 Lumens
0-180: 2.42	Luminaire Efficacy:	52.6 lm/w
90-270: 1.59	Maximum Candela:	110 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)		
Crosswise: 21.1	Endwise: 9.1	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	1.33	0.2%	60-65	24.90	3.9%	120-125	24.25	3.8%
5-10	4.36	0.7%	65-70	24.33	3.8%	125-130	23.65	3.7%
10-15	7.49	1.2%	70-75	23.30	3.7%	130-135	22.60	3.6%
15-20	10.52	1.7%	75-80	21.90	3.5%	135-140	21.21	3.4%
20-25	13.41	2.1%	80-85	20.32	3.2%	140-145	19.51	3.1%
25-30	15.74	2.5%	85-90	18.98	3.0%	145-150	17.56	2.8%
30-35	17.97	2.8%	90-95	19.02	3.0%	150-155	15.43	2.4%
35-40	20.15	3.2%	95-100	20.06	3.2%	155-160	13.11	2.1%
40-45	22.26	3.5%	100-105	21.63	3.4%	160-165	10.42	1.6%
45-50	23.59	3.7%	105-110	22.93	3.6%	165-170	7.48	1.2%
50-55	24.66	3.9%	110-115	23.82	3.8%	170-175	4.39	0.7%
55-60	25.05	4.0%	115-120	24.26	3.8%	175-180	1.34	0.2%

Zone	Lumens	% of Luminaire
0-40	91	14.4%
0-60	187	29.5%
0-90	320	50.6%
90-180	313	49.4%



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	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
5	63.1	62.1	59.4	56.9	55.1	55.1	57.0	59.2	62.3	59.2	57.0	55.1	55.1	56.9	59.4	62.1
10	66.9	66.2	63.3	60.3	58.7	59.0	60.9	64.0	64.8	64.0	60.9	59.0	58.7	60.3	63.3	66.2
15	69.5	71.0	66.8	61.9	60.0	60.3	61.5	63.9	64.1	63.9	61.5	60.3	60.0	61.9	66.8	71.0
20	80.2	70.0	66.6	61.5	59.3	59.6	59.9	61.7	61.6	61.7	59.9	59.6	59.3	61.5	66.6	70.0
25	79.8	82.2	66.8	61.8	57.9	58.2	58.3	58.9	57.5	58.9	58.3	58.2	57.9	61.8	66.8	82.2
30	77.1	73.7	70.7	61.3	55.9	54.4	55.4	55.2	53.4	55.2	55.4	54.4	55.9	61.3	70.7	73.7
35	82.6	78.8	70.5	60.8	53.6	51.1	51.8	51.0	49.1	51.0	51.8	51.1	53.6	60.8	70.5	78.8
40	89.1	85.4	74.6	60.8	51.6	48.3	48.3	47.0	44.9	47.0	48.3	48.3	51.6	60.8	74.6	85.4
45	94.0	89.3	73.4	60.5	49.3	45.0	44.3	42.6	40.4	42.6	44.3	45.0	49.3	60.5	73.4	89.3
50	97.7	91.7	76.4	59.0	46.8	41.2	39.9	38.1	36.2	38.1	39.9	41.2	46.8	59.0	76.4	91.7
55	100.8	95.8	76.1	58.8	43.8	36.9	35.3	33.5	31.4	33.5	35.3	36.9	43.8	58.8	76.1	95.8
60	103.1	93.9	75.3	56.1	40.1	32.2	30.5	28.9	26.7	28.9	30.5	32.2	40.1	56.1	75.3	93.9
65	103.5	94.8	74.9	53.8	36.1	26.9	24.9	23.7	21.8	23.7	24.9	26.9	36.1	53.8	74.9	94.8
70	104.1	95.0	74.0	51.1	31.8	21.6	19.2	17.9	16.6	17.9	19.2	21.6	31.8	51.1	74.0	95.0
75	104.2	94.5	72.6	48.2	27.6	16.3	13.3	12.1	11.1	12.1	13.3	16.3	27.6	48.2	72.6	94.5
80	103.3	93.3	70.7	45.2	23.6	11.1	7.6	6.7	6.1	6.7	7.6	11.1	23.6	45.2	70.7	93.3
85	101.5	91.2	68.2	42.1	19.9	6.8	3.2	3.0	2.8	3.0	3.2	6.8	19.9	42.1	68.2	91.2
90	99.4	89.3	66.1	39.9	17.6	5.0	2.1	2.0	2.6	2.0	2.1	5.0	17.6	39.9	66.1	89.3
95	98.4	88.6	66.2	40.8	19.5	7.3	4.8	5.1	5.7	5.1	4.8	7.3	19.5	40.8	66.2	88.6
100	98.3	89.4	68.0	43.8	23.5	11.8	9.0	9.1	9.7	9.1	9.0	11.8	23.5	43.8	68.0	89.4
105	99.7	90.8	70.1	46.9	27.6	16.6	14.9	14.2	14.4	14.2	14.9	16.6	27.6	46.9	70.1	90.8
110	99.6	91.0	71.3	49.6	31.7	21.5	19.8	19.4	19.1	19.4	19.8	21.5	31.7	49.6	71.3	91.0
115	98.7	90.4	71.9	51.9	35.6	26.4	25.8	24.6	24.2	24.6	25.8	26.4	35.6	51.9	71.9	90.4
120	97.0	89.3	72.1	54.0	39.2	31.3	30.9	30.1	29.1	30.1	30.9	31.3	39.2	54.0	72.1	89.3
125	94.5	87.2	71.7	55.6	42.8	36.0	35.9	34.8	34.0	34.8	35.9	36.0	42.8	55.6	71.7	87.2
130	91.0	84.4	70.6	56.7	45.6	40.2	40.1	39.2	38.7	39.2	40.1	40.2	45.6	56.7	70.6	84.4
135	86.9	80.8	68.9	57.2	48.2	44.2	44.7	44.0	43.4	44.0	44.7	44.2	48.2	57.2	68.9	80.8
140	82.5	77.3	67.1	57.6	50.5	47.8	49.2	48.5	48.0	48.5	49.2	47.8	50.5	57.6	67.1	77.3
145	77.8	73.4	66.3	58.1	52.7	51.2	53.0	52.8	52.7	52.8	53.0	51.2	52.7	58.1	66.3	73.4
150	73.3	69.6	63.3	58.6	54.7	54.6	56.2	56.5	56.9	56.5	56.2	54.6	54.7	58.6	63.3	69.6
155	69.4	72.6	63.3	59.3	57.0	59.9	61.7	60.3	60.4	60.3	61.7	59.9	57.0	59.3	63.3	72.6
160	72.2	65.4	62.7	59.5	58.9	62.0	61.4	62.9	64.1	62.9	61.4	62.0	58.9	59.5	62.7	65.4
165	66.7	66.6	64.1	60.3	59.8	61.3	62.6	65.2	66.2	65.2	62.6	61.3	59.8	60.3	64.1	66.6
170	65.5	64.6	62.0	59.4	59.2	60.4	62.5	65.3	66.6	65.3	62.5	60.4	59.2	59.4	62.0	64.6
175	62.6	60.8	58.0	56.4	55.7	57.3	60.1	62.6	63.2	62.6	60.1	57.3	55.7	56.4	58.0	60.8
180	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

	0	45	90
0	1696	1696	1696
45	1493	1204	1385
55	1536	1201	1289
65	1560	1173	1154
75	1603	1165	1000
85	1645	1157	859

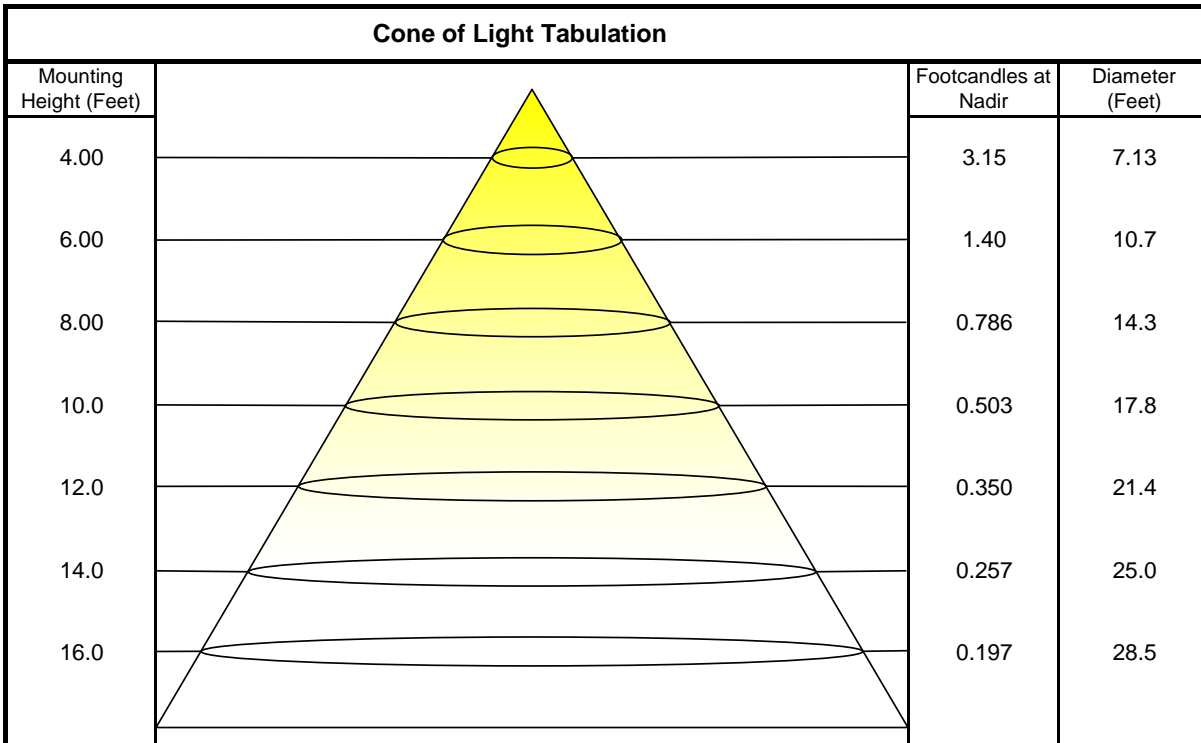


Coefficients of Utilization - Zonal Cavity Method

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	84	84	84	70	70	70	57	57	57	51
1	95	89	84	80	87	82	78	74	69	65	62	57	54	52	45	44	42	36
2	85	76	69	63	78	70	64	58	59	54	49	48	44	41	38	35	33	28
3	77	66	58	51	70	61	53	47	51	45	40	41	37	33	33	30	27	22
4	70	58	49	42	64	53	45	39	44	38	33	36	32	28	29	25	22	18
5	64	51	42	35	58	47	39	33	39	33	28	32	27	23	26	22	19	15
6	59	45	37	30	53	42	34	28	35	29	24	29	24	20	23	19	16	13
7	54	41	32	26	49	38	30	24	32	25	21	26	21	17	21	17	14	11
8	50	37	29	23	46	34	27	21	29	23	18	24	19	15	19	15	12	10
9	46	33	26	20	43	31	24	19	26	20	16	22	17	14	17	14	11	9
10	43	31	23	18	40	28	21	17	24	18	14	20	15	12	16	13	10	8

Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	50.3 Candela
Central Cone Intensity:	#REF! Candela
Beam Flux:	597.9 Lumens
Beam Angle (0-180):	#REF! Degrees
Beam Angle (90-270):	156.1 Degrees
Field Angle (0-180):	#REF! Degrees
Field Angle (90-270):	#REF! Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet

