



Distribution - Goniophotometer

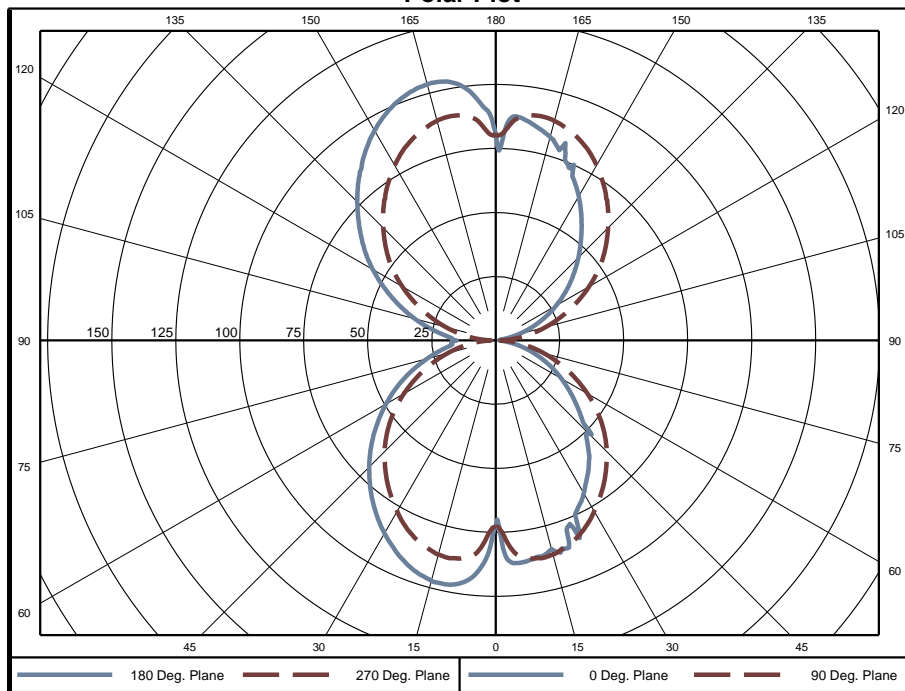
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.9 °C	120.0 VAC	0.1007 A	12.00 W	0.993	60 Hz	6.35 %

Summary of Results

Spacing Criteria	Total Lumen Output:	548.9 Lumens
0-180: 1.35	Luminaire Efficacy:	45.7 lm/w
90-270: 1.49	Maximum Candela:	104 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)		
Crosswise: 8.7	Endwise: 10.8	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	1.96	0.4%	60-65	18.11	3.3%	120-125	21.10	3.8%
5-10	6.27	1.1%	65-70	15.31	2.8%	125-130	22.83	4.2%
10-15	10.53	1.9%	70-75	12.20	2.2%	130-135	23.86	4.3%
15-20	14.44	2.6%	75-80	9.02	1.6%	135-140	24.24	4.4%
20-25	17.74	3.2%	80-85	5.92	1.1%	140-145	23.85	4.3%
25-30	20.29	3.7%	85-90	3.75	0.7%	145-150	22.71	4.1%
30-35	22.24	4.1%	90-95	3.76	0.7%	150-155	20.80	3.8%
35-40	23.46	4.3%	95-100	6.06	1.1%	155-160	18.12	3.3%
40-45	23.79	4.3%	100-105	9.29	1.7%	160-165	14.74	2.7%
45-50	23.41	4.3%	105-110	12.61	2.3%	165-170	10.80	2.0%
50-55	22.25	4.1%	110-115	15.79	2.9%	170-175	6.48	1.2%
55-60	20.45	3.7%	115-120	18.69	3.4%	175-180	2.05	0.4%

Zone	Lumens	% of Luminaire
0-40	117	21.3%
0-60	207	37.7%
0-90	271	49.4%
90-180	278	50.6%



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	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
5	87.4	86.0	83.9	83.3	83.1	82.7	85.7	89.8	91.7	89.8	85.7	82.7	83.1	83.3	83.9	86.0
10	86.7	86.1	84.6	84.8	86.5	88.6	91.3	95.7	96.7	95.7	91.3	88.6	86.5	84.8	84.6	86.1
15	84.5	85.7	83.1	84.1	86.6	89.9	92.7	96.6	97.2	96.6	92.7	89.9	86.6	84.1	83.1	85.7
20	83.8	81.0	80.1	81.1	84.6	88.7	91.9	95.4	95.1	95.4	91.9	88.7	84.6	81.1	80.1	81.0
25	74.2	77.2	74.2	78.0	81.5	85.9	90.1	93.0	91.4	93.0	90.1	85.9	81.5	78.0	74.2	77.2
30	68.9	68.4	68.7	72.9	77.0	81.8	87.4	89.2	87.0	89.2	87.4	81.8	77.0	72.9	68.7	68.4
35	63.0	62.7	64.1	67.4	72.2	77.2	83.2	84.3	81.8	84.3	83.2	77.2	72.2	67.4	64.1	62.7
40	56.5	57.8	58.6	62.2	66.9	72.3	77.9	78.6	76.1	78.6	77.9	72.3	66.9	62.2	58.6	57.8
45	51.1	49.3	51.6	55.9	61.4	67.1	71.9	72.5	70.0	72.5	71.9	67.1	61.4	55.9	51.6	49.3
50	42.4	42.4	45.0	49.5	55.2	60.8	65.3	65.7	63.4	65.7	65.3	60.8	55.2	49.5	45.0	42.4
55	35.7	36.0	38.2	42.8	48.5	53.7	58.2	58.7	56.4	58.7	58.2	53.7	48.5	42.8	38.2	36.0
60	29.4	29.4	31.6	36.0	41.3	46.4	50.7	51.4	49.5	51.4	50.7	46.4	41.3	36.0	31.6	29.4
65	23.3	23.3	25.3	29.2	33.9	38.7	43.0	43.8	42.4	43.8	43.0	38.7	33.9	29.2	25.3	23.3
70	17.3	17.3	19.1	22.4	26.6	31.0	35.1	36.2	35.1	36.2	35.1	31.0	26.6	22.4	19.1	17.3
75	11.7	11.7	13.2	15.9	19.6	23.7	27.6	28.9	28.1	28.9	27.6	23.7	19.6	15.9	13.2	11.7
80	6.6	6.5	7.7	9.9	13.0	16.6	20.3	21.9	21.7	21.9	20.3	16.6	13.0	9.9	7.7	6.5
85	2.2	2.3	3.0	4.6	7.0	10.3	13.7	16.1	17.1	16.1	13.7	10.3	7.0	4.6	3.0	2.3
90	1.8	1.8	1.6	1.6	2.2	6.2	10.3	14.0	15.3	14.0	10.3	6.2	2.2	1.6	1.6	1.8
95	1.4	1.5	2.2	4.1	7.2	10.9	14.8	17.4	19.0	17.4	14.8	10.9	7.2	4.1	2.2	1.5
100	4.1	5.1	6.7	9.5	13.5	17.7	21.6	24.0	25.4	24.0	21.6	17.7	13.5	9.5	6.7	5.1
105	9.5	10.4	12.4	15.8	20.3	24.9	29.3	31.5	32.7	31.5	29.3	24.9	20.3	15.8	12.4	10.4
110	15.3	16.2	18.4	22.3	27.4	32.4	37.3	39.4	40.0	39.4	37.3	32.4	27.4	22.3	18.4	16.2
115	21.3	22.3	24.7	29.1	34.8	40.2	45.5	47.6	47.6	47.6	45.5	40.2	34.8	29.1	24.7	22.3
120	27.4	28.6	31.1	35.9	42.1	48.1	53.8	55.5	55.5	55.5	53.8	48.1	42.1	35.9	31.1	28.6
125	33.6	34.9	37.6	42.8	49.5	55.6	61.8	63.4	62.8	63.4	61.8	55.6	49.5	42.8	37.6	34.9
130	39.5	40.9	43.8	49.4	55.9	62.5	69.1	70.4	69.7	70.4	69.1	62.5	55.9	49.4	43.8	40.9
135	45.7	47.2	50.0	55.7	62.1	69.3	76.0	77.3	76.6	77.3	76.0	69.3	62.1	55.7	50.0	47.2
140	52.0	53.6	56.1	61.7	68.1	75.2	82.5	84.0	83.1	84.0	82.5	75.2	68.1	61.7	56.1	53.6
145	58.4	60.0	61.9	67.3	73.7	80.5	88.2	90.2	89.2	90.2	88.2	80.5	73.7	67.3	61.9	60.0
150	64.9	66.1	67.5	72.7	78.9	85.4	92.5	95.3	94.7	95.3	92.5	85.4	78.9	72.7	67.5	66.1
155	70.9	72.4	73.0	77.6	83.3	89.5	95.6	99.3	99.2	99.3	95.6	89.5	83.3	77.6	73.0	72.4
160	79.4	77.4	78.0	81.4	86.5	92.3	97.3	101.6	102.1	101.6	97.3	92.3	86.5	81.4	78.0	77.4
165	82.2	82.3	82.2	84.3	88.7	93.4	97.8	102.3	103.6	102.3	97.8	93.4	88.7	84.3	82.2	82.3
170	85.5	85.7	84.5	86.3	89.2	92.6	96.4	101.1	102.5	101.1	96.4	92.6	89.2	86.3	84.5	85.7
175	87.8	86.1	84.5	85.6	86.5	87.8	91.8	95.9	95.9	95.9	91.8	87.8	86.5	85.6	84.5	86.1
180	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

	0	45	90
0	2929	2929	2929
45	885	938	2025
55	588	663	1668
65	376	433	1262
75	191	229	821
85	38	54	349

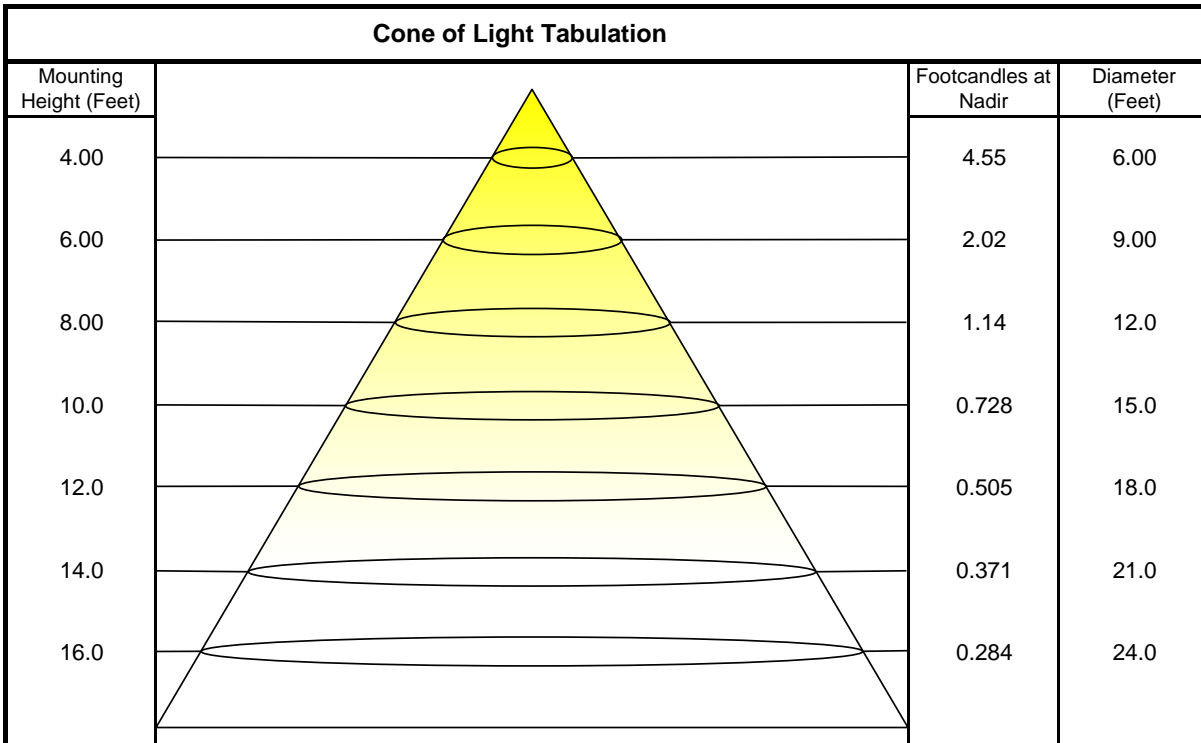


Coefficients of Utilization - Zonal Cavity Method

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	49
1	97	93	88	85	89	85	82	79	72	69	67	60	58	56	48	47	46	40
2	88	80	74	69	81	74	69	64	63	59	55	52	49	46	42	40	38	33
3	80	71	63	57	74	65	59	53	55	50	46	46	42	39	37	34	32	28
4	73	62	54	48	67	58	50	45	49	43	39	41	37	33	33	30	28	24
5	67	55	47	41	62	51	44	38	44	38	33	36	32	29	30	26	24	21
6	62	50	41	35	57	46	39	33	39	33	29	33	28	25	27	23	21	18
7	57	45	37	31	52	41	34	29	35	30	25	30	25	22	24	21	18	16
8	53	40	33	27	49	38	31	26	32	27	23	27	23	20	22	19	17	14
9	49	37	29	24	45	34	28	23	30	24	20	25	21	17	21	17	15	13
10	46	34	26	22	42	32	25	20	27	22	18	23	19	16	19	16	13	11

Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	72.8 Candela
Central Cone Intensity:	79 Candela
Beam Flux:	448.0 Lumens
Beam Angle (0-180):	123.6 Degrees
Beam Angle (90-270):	126.6 Degrees
Field Angle (0-180):	#REF! Degrees
Field Angle (90-270):	169.5 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet

