



Distribution - Goniophotometer

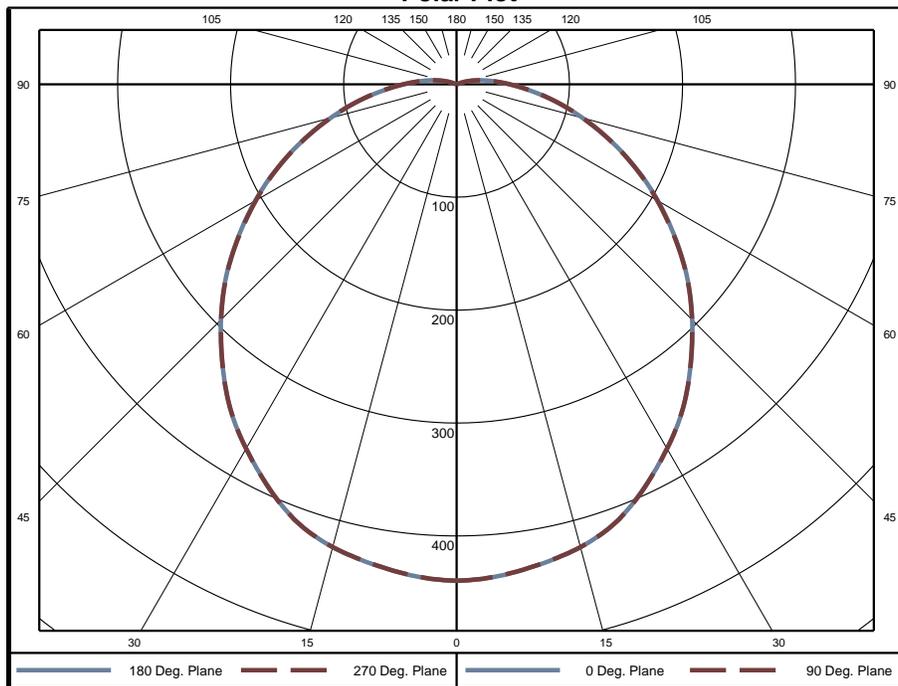
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.7 °C	120.0 VAC	0.1950 A	23.14 W	0.989	60 Hz	5.66 %

Summary of Results

Spacing Criteria	Total Lumen Output:	1424 Lumens
0-180: 1.26	Luminaire Efficacy:	61.5 lm/w
90-270: 1.26	Maximum Candela:	439 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)		
Crosswise: 18.5	Endwise: 18.5	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	10.5	0.7%	60-65	91.8	6.4%	120-125	0	0.0%
5-10	31.0	2.2%	65-70	80.3	5.6%	125-130	0	0.0%
10-15	50.7	3.6%	70-75	68.2	4.8%	130-135	0	0.0%
15-20	69.0	4.8%	75-80	56.1	3.9%	135-140	0	0.0%
20-25	84.6	5.9%	80-85	44.4	3.1%	140-145	0	0.0%
25-30	96.9	6.8%	85-90	33.3	2.3%	145-150	0	0.0%
30-35	106.3	7.5%	90-95	23.5	1.7%	150-155	0	0.0%
35-40	112.0	7.9%	95-100	15.1	1.1%	155-160	0	0.0%
40-45	114.1	8.0%	100-105	8.3	0.6%	160-165	0	0.0%
45-50	113.2	7.9%	105-110	3.5	0.2%	165-170	0	0.0%
50-55	108.8	7.6%	110-115	0.9	0.1%	170-175	0	0.0%
55-60	101.3	7.1%	115-120	0.1	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	561	39.4%
0-60	998	70.1%
0-90	1373	96.4%
90-180	51	3.6%



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	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4	439.4
5	436.7	436.9	436.8	436.8	436.6	436.8	436.8	436.9	436.7	436.9	436.8	436.8	436.6	436.8	436.8	436.9
10	431.1	431.0	431.1	431.0	431.0	431.0	431.1	431.0	431.1	431.0	431.1	431.0	431.0	431.0	431.1	431.0
15	424.1	423.9	424.1	424.0	424.0	424.0	424.1	423.9	424.1	423.9	424.1	424.0	424.0	424.0	424.1	423.9
20	412.2	412.3	412.3	412.3	412.4	412.3	412.3	412.3	412.2	412.3	412.3	412.3	412.4	412.3	412.3	412.3
25	393.4	393.7	393.8	393.8	393.8	393.8	393.8	393.7	393.4	393.7	393.8	393.8	393.8	393.8	393.8	393.7
30	372.2	372.3	372.3	372.4	372.4	372.4	372.3	372.3	372.2	372.3	372.3	372.4	372.4	372.4	372.3	372.3
35	349.4	349.4	349.2	349.4	349.4	349.4	349.2	349.4	349.4	349.4	349.2	349.4	349.4	349.4	349.2	349.4
40	322.3	322.3	322.1	322.4	322.3	322.4	322.1	322.3	322.3	322.3	322.1	322.4	322.3	322.4	322.1	322.3
45	294.8	294.5	294.2	294.4	294.5	294.4	294.2	294.5	294.8	294.5	294.2	294.4	294.5	294.4	294.2	294.5
50	266.4	266.1	265.4	265.8	266.2	265.8	265.4	266.1	266.4	266.1	265.4	265.8	266.2	265.8	265.4	266.1
55	236.0	235.0	233.7	234.7	235.2	234.7	233.7	235.0	236.0	235.0	233.7	234.7	235.2	234.7	233.7	235.0
60	205.5	204.4	202.5	204.0	204.7	204.0	202.5	204.4	205.5	204.4	202.5	204.0	204.7	204.0	202.5	204.4
65	174.7	173.7	172.5	173.4	174.4	173.4	172.5	173.7	174.7	173.7	172.5	173.4	174.4	173.4	172.5	173.7
70	144.6	144.0	144.6	143.9	144.4	143.9	144.6	144.0	144.6	144.0	144.6	143.9	144.4	143.9	144.6	144.0
75	115.9	116.9	118.8	117.2	116.2	117.2	118.8	116.9	115.9	116.9	118.8	117.2	116.2	117.2	118.8	116.9
80	90.0	93.0	95.5	93.5	90.3	93.5	95.5	93.0	90.0	93.0	95.5	93.5	90.3	93.5	95.5	93.0
85	66.5	71.2	73.8	71.6	67.1	71.6	73.8	71.2	66.5	71.2	73.8	71.6	67.1	71.6	73.8	71.2
90	47.3	51.7	54.3	52.1	47.9	52.1	54.3	51.7	47.3	51.7	54.3	52.1	47.9	52.1	54.3	51.7
95	32.8	34.7	36.8	35.0	33.1	35.0	36.8	34.7	32.8	34.7	36.8	35.0	33.1	35.0	36.8	34.7
100	21.6	20.5	21.7	20.6	21.4	20.6	21.7	20.5	21.6	20.5	21.7	20.6	21.4	20.6	21.7	20.5
105	12.9	10.4	9.2	10.1	12.3	10.1	9.2	10.4	12.9	10.4	9.2	10.1	12.3	10.1	9.2	10.4
110	6.5	4.0	0.7	3.5	5.6	3.5	0.7	4.0	6.5	4.0	0.7	3.5	5.6	3.5	0.7	4.0
115	2.1	0.2	0.0	0.1	1.1	0.1	0.0	0.2	2.1	0.2	0.0	0.1	1.1	0.1	0.0	0.2
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

	0	45	90
0	2502	2502	2502
45	1958	1822	1956
55	1798	1624	1792
65	1618	1414	1615
75	1423	1233	1427
85	1267	1089	1280

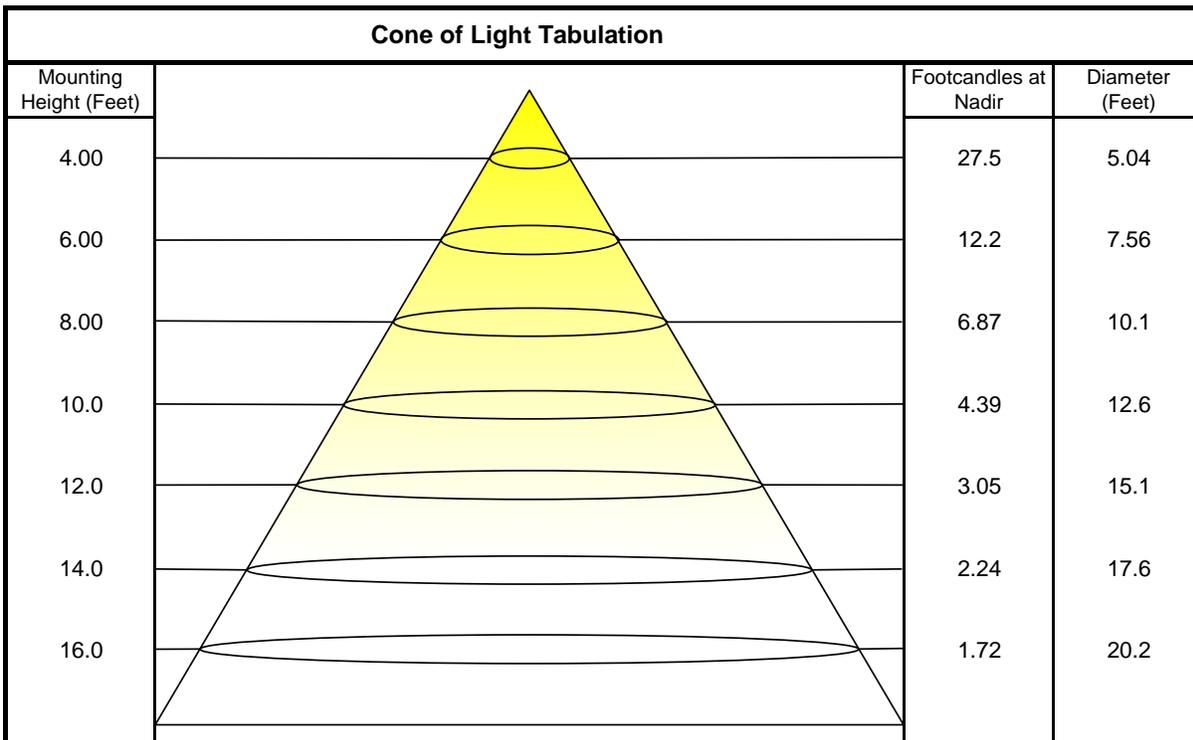


Coefficients of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	106	101	96	91	103	98	93	89	93	89	86	88	85	83	84	82	79	77
2	96	87	79	73	93	85	78	72	80	75	70	77	72	67	73	69	65	63
3	87	76	67	60	84	74	66	59	70	64	58	67	61	56	64	59	55	52
4	80	67	58	51	77	65	57	50	62	55	49	60	53	48	57	51	47	44
5	73	60	50	43	71	58	50	43	56	48	42	53	47	41	51	45	41	38
6	67	54	44	38	65	53	44	37	50	43	37	48	41	36	46	40	36	33
7	63	49	40	33	61	48	39	33	46	38	33	44	37	32	42	36	32	29
8	58	44	36	30	56	43	35	29	42	34	29	40	34	29	39	33	28	26
9	54	41	32	27	53	40	32	26	38	31	26	37	31	26	36	30	25	24
10	51	37	29	24	49	37	29	24	36	29	24	34	28	23	33	27	23	21

Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	439.4 Candela
Central Cone Intensity:	438 Candela
Beam Flux:	947.6 Lumens
Beam Angle (0-180):	115.3 Degrees
Beam Angle (90-270):	115.0 Degrees
Field Angle (0-180):	182.1 Degrees
Field Angle (90-270):	182.5 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet

