



Distribution - Goniophotometer

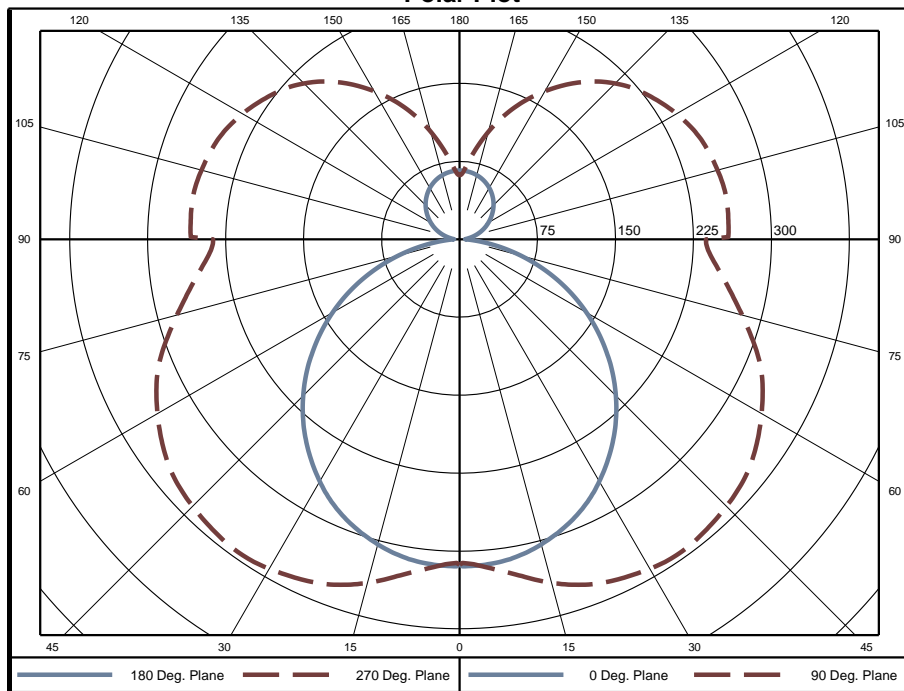
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.3 °C	120.0 VAC	0.1955 A	23.18 W	0.988	60 Hz	6.13 %

Summary of Results

Spacing Criteria	Total Lumen Output:	2489 Lumens
0-180: 1.27	Luminaire Efficacy:	107.4 lm/w
90-270: 1.75	Maximum Candela:	369 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)		
Crosswise: 14.6	Endwise: 23.2	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	7.5	0.3%	60-65	121.3	4.9%	120-125	72.2	2.9%
5-10	22.7	0.9%	65-70	116.0	4.7%	125-130	66.2	2.7%
10-15	38.3	1.5%	70-75	107.8	4.3%	130-135	59.6	2.4%
15-20	53.8	2.2%	75-80	98.2	3.9%	135-140	52.2	2.1%
20-25	68.9	2.8%	80-85	88.7	3.6%	140-145	44.4	1.8%
25-30	82.7	3.3%	85-90	81.4	3.3%	145-150	36.5	1.5%
30-35	95.1	3.8%	90-95	87.5	3.5%	150-155	28.9	1.2%
35-40	105.7	4.2%	95-100	87.6	3.5%	155-160	21.7	0.9%
40-45	113.9	4.6%	100-105	86.8	3.5%	160-165	15.3	0.6%
45-50	120.0	4.8%	105-110	84.8	3.4%	165-170	9.7	0.4%
50-55	123.4	5.0%	110-115	81.7	3.3%	170-175	5.2	0.2%
55-60	123.7	5.0%	115-120	77.5	3.1%	175-180	1.6	0.1%

Zone	Lumens	% of Luminaire
0-40	475	19.1%
0-60	956	38.4%
0-90	1569	63.0%
90-180	919	36.9%



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	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0	313.0
5	313.8	313.1	315.6	317.1	317.1	317.1	315.6	313.1	313.8	313.1	315.6	317.1	317.1	317.1	315.6	313.1
10	310.5	312.8	320.9	327.1	328.2	327.1	320.9	312.8	310.5	312.8	320.9	327.1	328.2	327.1	320.9	312.8
15	303.9	310.9	326.6	338.6	342.1	338.6	326.6	310.9	303.9	310.9	326.6	338.6	342.1	338.6	326.6	310.9
20	294.9	307.4	331.5	348.6	353.5	348.6	331.5	307.4	294.9	307.4	331.5	348.6	353.5	348.6	331.5	307.4
25	283.5	302.1	333.3	354.4	360.9	354.4	333.3	302.1	283.5	302.1	333.3	354.4	360.9	354.4	333.3	302.1
30	268.9	294.0	332.0	357.7	366.0	357.7	332.0	294.0	268.9	294.0	332.0	357.7	366.0	357.7	332.0	294.0
35	252.0	283.3	329.0	358.8	368.6	358.8	329.0	283.3	252.0	283.3	329.0	358.8	368.6	358.8	329.0	283.3
40	233.4	271.3	323.3	355.6	366.8	355.6	323.3	271.3	233.4	271.3	323.3	355.6	366.8	355.6	323.3	271.3
45	212.6	257.2	315.0	350.7	363.1	350.7	315.0	257.2	212.6	257.2	315.0	350.7	363.1	350.7	315.0	257.2
50	190.2	241.0	304.5	344.0	357.9	344.0	304.5	241.0	190.2	241.0	304.5	344.0	357.9	344.0	304.5	241.0
55	166.1	223.0	290.9	333.5	348.1	333.5	290.9	223.0	166.1	223.0	290.9	333.5	348.1	333.5	290.9	223.0
60	140.9	202.7	274.7	320.0	335.7	320.0	274.7	202.7	140.9	202.7	274.7	320.0	335.7	320.0	274.7	202.7
65	114.9	180.2	256.2	304.8	321.5	304.8	256.2	180.2	114.9	180.2	256.2	304.8	321.5	304.8	256.2	180.2
70	87.8	156.6	234.6	285.3	302.8	285.3	234.6	156.6	87.8	156.6	234.6	285.3	302.8	285.3	234.6	156.6
75	60.9	132.2	211.6	263.7	281.5	263.7	211.6	132.2	60.9	132.2	211.6	263.7	281.5	263.7	211.6	132.2
80	35.4	108.8	190.1	243.8	262.3	243.8	190.1	108.8	35.4	108.8	190.1	243.8	262.3	243.8	190.1	108.8
85	14.6	89.1	171.7	226.8	245.7	226.8	171.7	89.1	14.6	89.1	171.7	226.8	245.7	226.8	171.7	89.1
90	5.3	80.3	163.0	218.3	237.2	218.3	163.0	80.3	5.3	80.3	163.0	218.3	237.2	218.3	163.0	80.3
95	8.0	89.0	179.3	239.3	259.5	239.3	179.3	89.0	8.0	89.0	179.3	239.3	259.5	239.3	179.3	89.0
100	12.0	91.8	180.6	239.7	259.6	239.7	180.6	91.8	12.0	91.8	180.6	239.7	259.6	239.7	180.6	91.8
105	16.9	94.0	180.5	237.9	257.0	237.9	180.5	94.0	16.9	94.0	180.5	237.9	257.0	237.9	180.5	94.0
110	22.1	95.6	179.4	235.0	253.6	235.0	179.4	95.6	22.1	95.6	179.4	235.0	253.6	235.0	179.4	95.6
115	27.2	96.5	177.3	230.7	248.7	230.7	177.3	96.5	27.2	96.5	177.3	230.7	248.7	230.7	177.3	96.5
120	32.2	96.7	173.9	224.3	241.3	224.3	173.9	96.7	32.2	96.7	173.9	224.3	241.3	224.3	173.9	96.7
125	37.0	96.6	169.3	216.7	232.8	216.7	169.3	96.6	37.0	96.6	169.3	216.7	232.8	216.7	169.3	96.6
130	41.7	95.8	163.2	208.3	223.4	208.3	163.2	95.8	41.7	95.8	163.2	208.3	223.4	208.3	163.2	95.8
135	46.2	94.3	156.1	197.9	212.0	197.9	156.1	94.3	46.2	94.3	156.1	197.9	212.0	197.9	156.1	94.3
140	50.2	91.7	147.5	185.6	198.2	185.6	147.5	91.7	50.2	91.7	147.5	185.6	198.2	185.6	147.5	91.7
145	53.8	88.3	137.5	171.0	182.2	171.0	137.5	88.3	53.8	88.3	137.5	171.0	182.2	171.0	137.5	88.3
150	57.0	84.3	126.3	154.8	164.6	154.8	126.3	84.3	57.0	84.3	126.3	154.8	164.6	154.8	126.3	84.3
155	59.8	80.1	114.2	137.7	146.5	137.7	114.2	80.1	59.8	80.1	114.2	137.7	146.5	137.7	114.2	80.1
160	62.0	75.8	101.5	119.8	127.2	119.8	101.5	75.8	62.0	75.8	101.5	119.8	127.2	119.8	101.5	75.8
165	63.8	71.7	88.9	101.7	107.2	101.7	88.9	71.7	63.8	71.7	88.9	101.7	107.2	101.7	88.9	71.7
170	65.1	68.1	77.2	84.7	87.5	84.7	77.2	68.1	65.1	68.1	77.2	84.7	87.5	84.7	77.2	68.1
175	65.8	65.8	68.4	70.9	70.2	70.9	68.4	65.8	65.8	65.8	68.4	70.9	70.2	70.9	68.4	65.8
180	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7

Vertical Angle (Degrees)

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

	0	45	90
0	3369	3369	3369
45	3046	2738	2764
55	2861	2634	2690
65	2580	2499	2604
75	2053	2313	2474
85	1048	2211	2441

Vertical Angle (Degrees)

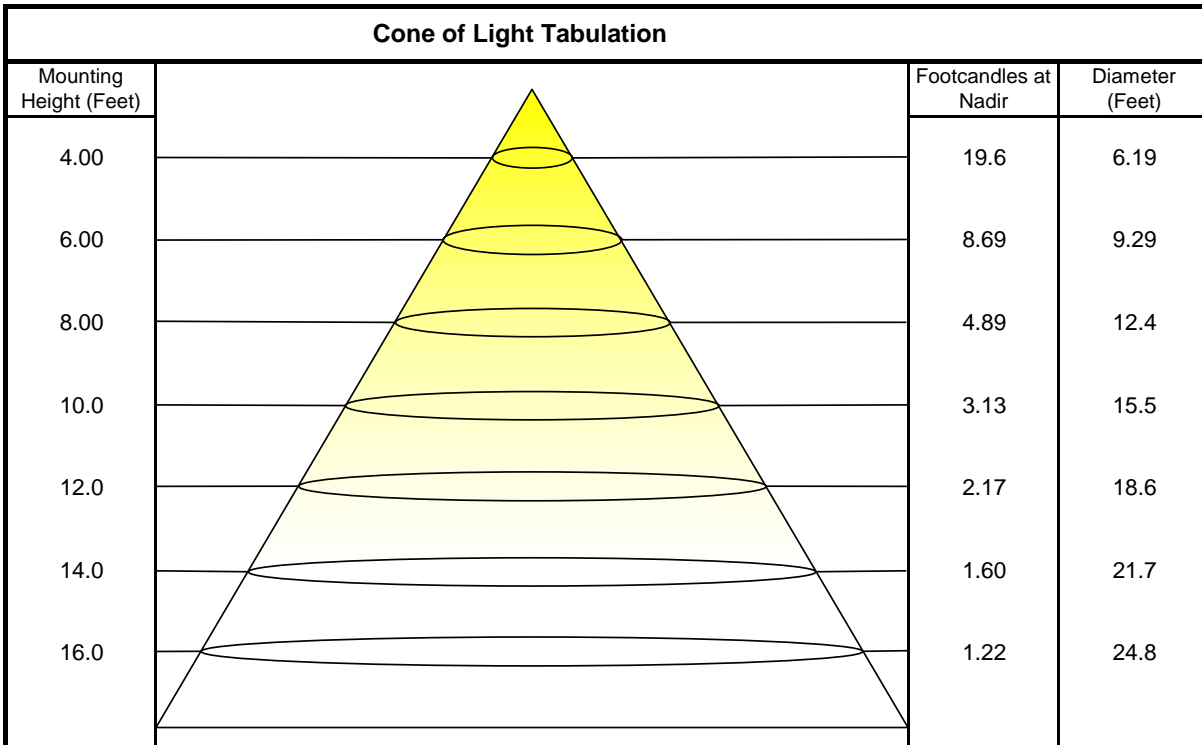


Coefficients of Utilization - Zonal Cavity Method

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	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	97	92	86	82	91	86	81	77	75	71	68	64	62	59	55	53	51	46
2	87	78	70	64	81	73	66	60	63	58	53	55	50	47	46	43	40	36
3	79	68	59	52	73	63	55	49	55	49	43	47	42	38	40	36	33	29
4	72	59	50	43	66	55	47	41	48	41	36	41	36	32	35	31	27	24
5	65	52	43	36	61	49	40	34	43	36	30	37	31	27	31	27	23	20
6	60	47	37	31	56	44	35	29	38	31	26	33	27	23	28	24	20	17
7	55	42	33	27	51	39	31	25	34	28	23	30	24	20	25	21	17	15
8	51	38	29	23	48	36	28	22	31	25	20	27	22	18	23	19	15	13
9	48	34	26	21	44	32	25	20	28	22	18	25	20	16	21	17	14	12
10	45	31	24	18	42	30	22	18	26	20	16	23	18	14	20	15	12	10

Beam and Field Information	
CIE Type:	Semi-Direct
Center Beam Intensity:	313.0 Candela
Central Cone Intensity:	314 Candela
Beam Flux:	2134.9 Lumens
Beam Angle (0-180):	113.9 Degrees
Beam Angle (90-270):	304.5 Degrees
Field Angle (0-180):	161.7 Degrees
Field Angle (90-270):	N/A Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet

