Distribution - Goniophotometer

Distribution Test Conditions

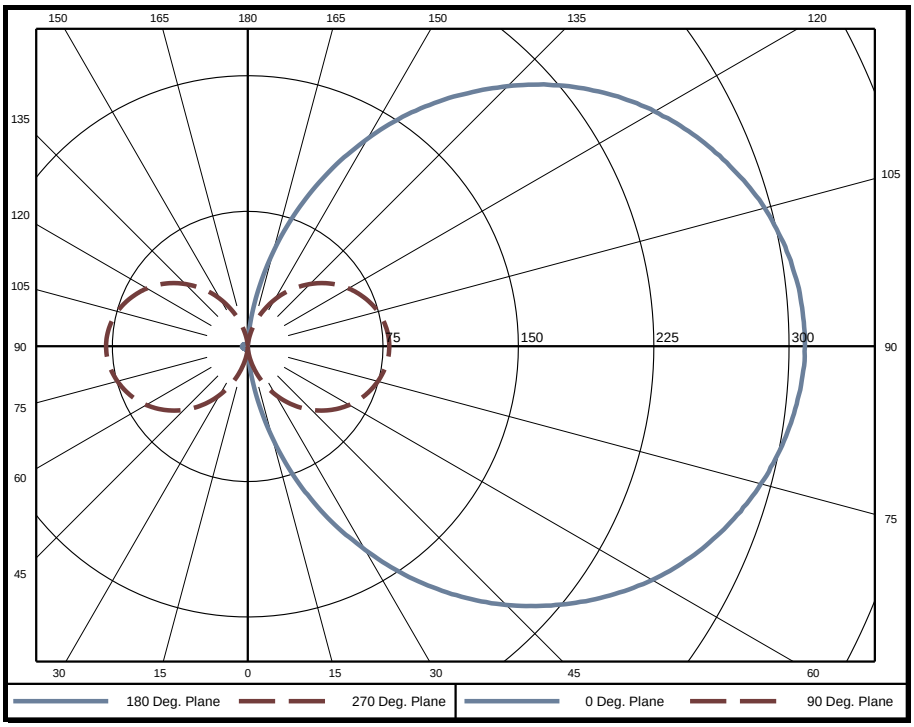
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.3 °C	120.1 VAC	0.1366 A	16.08 W	0.980	60 Hz	7.68 %

Summary of Results

Spacing Criteria
0-180: 17.85
90-270: 11.14

Total Lumen Output: 1053 Lumens
Luminaire Efficacy: 65.5 lm/w
Maximum Candela: 309 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.06	0.0%	60-65	46.97	4.5%	120-125	41.76	4.0%
5-10	0.54	0.1%	65-70	51.32	4.9%	125-130	36.38	3.5%
10-15	1.80	0.2%	70-75	55.04	5.2%	130-135	30.82	2.9%
15-20	3.97	0.4%	75-80	58.03	5.5%	135-140	25.27	2.4%
20-25	7.03	0.7%	80-85	60.14	5.7%	140-145	19.99	1.9%
25-30	10.87	1.0%	85-90	61.26	5.8%	145-150	15.03	1.4%
30-35	15.35	1.5%	90-95	61.26	5.8%	150-155	10.56	1.0%
35-40	20.35	1.9%	95-100	60.19	5.7%	155-160	6.77	0.6%
40-45	25.70	2.4%	100-105	58.10	5.5%	160-165	3.76	0.4%
45-50	31.19	3.0%	105-110	55.04	5.2%	165-170	1.66	0.2%
50-55	36.68	3.5%	110-115	51.17	4.9%	170-175	0.45	0.0%
55-60	42.02	4.0%	115-120	46.71	4.4%	175-180	0.03	0.0%

Zone	Lumens	% of Luminaire
0-40	60	5.7%
0-60	196	18.6%
0-90	528	50.2%
90-180	525	49.9%

Candela Tabulation

Horizontal Angle (Degrees)

Vertical 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	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
5	9.4	10.4	7.8	5.0	2.6	1.1	0.4	0.4	0.6	0.4	0.4	1.1	2.6	5.0	7.8	10.4
10	28.3	28.2	21.0	13.2	6.6	2.1	0.5	0.4	0.6	0.4	0.5	2.1	6.6	13.2	21.0	28.2
15	52.1	50.2	37.4	23.6	11.8	3.5	0.7	0.4	0.8	0.4	0.7	3.5	11.8	23.6	37.4	50.2
20	78.6	73.9	55.4	35.0	17.9	5.3	0.9	0.6	0.9	0.6	0.9	5.3	17.9	35.0	55.4	73.9
25	104.8	98.1	73.5	46.8	24.3	7.2	1.1	0.8	1.2	0.8	1.1	7.2	24.3	46.8	73.5	98.1
30	130.2	121.2	91.4	58.5	30.9	9.3	1.4	0.9	1.4	0.9	1.4	9.3	30.9	58.5	91.4	121.2
35	156.1	143.9	108.7	69.8	37.3	11.2	1.7	1.0	1.6	1.0	1.7	11.2	37.3	69.8	108.7	143.9
40	179.8	165.5	124.6	80.7	43.7	13.3	2.0	1.1	1.9	1.1	2.0	13.3	43.7	80.7	124.6	165.5
45	202.5	185.7	140.1	90.8	49.6	15.1	2.3	1.1	2.0	1.1	2.3	15.1	49.6	90.8	140.1	185.7
50	222.7	204.1	154.1	100.2	55.1	16.8	2.5	1.2	2.1	1.2	2.5	16.8	55.1	100.2	154.1	204.1
55	241.7	221.0	167.7	108.7	60.2	18.5	2.8	1.3	2.3	1.3	2.8	18.5	60.2	108.7	167.7	221.0
60	258.8	236.0	179.2	116.4	64.8	20.0	3.0	1.5	2.4	1.5	3.0	20.0	64.8	116.4	179.2	236.0
65	273.1	248.9	189.1	122.4	68.8	21.3	3.3	1.5	2.6	1.5	3.3	21.3	68.8	122.4	189.1	248.9
70	284.7	259.2	197.3	127.7	72.0	22.3	3.5	1.6	2.7	1.6	3.5	22.3	72.0	127.7	197.3	259.2
75	294.3	268.0	203.8	132.0	74.7	23.2	3.7	1.9	2.9	1.9	3.7	23.2	74.7	132.0	203.8	268.0
80	301.7	274.3	209.0	135.3	76.7	24.0	3.9	2.0	3.1	2.0	3.9	24.0	76.7	135.3	209.0	274.3
85	306.6	278.3	212.2	137.4	78.1	24.4	4.1	2.2	3.2	2.2	4.1	24.4	78.1	137.4	212.2	278.3
90	308.8	279.8	213.2	138.2	78.5	24.6	4.1	2.2	3.2	2.2	4.1	24.6	78.5	138.2	213.2	279.8
95	307.4	278.2	212.0	137.6	78.0	24.5	4.1	2.2	3.2	2.2	4.1	24.5	78.0	137.6	212.0	278.2
100	303.3	274.2	208.8	135.5	76.8	24.1	4.0	2.0	3.1	2.0	4.0	24.1	76.8	135.5	208.8	274.2
105	296.5	267.3	203.8	132.2	74.7	23.4	3.9	2.0	3.0	2.0	3.9	23.4	74.7	132.2	203.8	267.3
110	286.3	258.0	196.6	127.4	71.8	22.4	3.6	1.8	2.8	1.8	3.6	22.4	71.8	127.4	196.6	258.0
115	274.5	246.7	187.8	121.9	68.3	21.2	3.3	1.5	2.4	1.5	3.3	21.2	68.3	121.9	187.8	246.7
120	260.3	233.5	177.6	115.4	64.3	19.9	3.0	1.4	2.3	1.4	3.0	19.9	64.3	115.4	177.6	233.5
125	243.8	218.0	165.6	107.9	59.7	18.4	2.8	1.3	2.1	1.3	2.8	18.4	59.7	107.9	165.6	218.0
130	224.9	200.6	152.1	99.1	54.5	16.7	2.5	1.1	1.9	1.1	2.5	16.7	54.5	99.1	152.1	200.6
135	203.8	181.6	137.4	89.5	48.7	14.9	2.3	1.0	1.7	1.0	2.3	14.9	48.7	89.5	137.4	181.6
140	181.4	161.3	122.1	79.2	42.7	13.1	2.0	0.9	1.6	0.9	2.0	13.1	42.7	79.2	122.1	161.3
145	158.3	139.7	105.9	68.3	36.5	11.1	1.8	0.9	1.4	0.9	1.8	11.1	36.5	68.3	105.9	139.7
150	132.8	116.8	88.4	56.8	30.0	9.1	1.5	0.8	1.3	0.8	1.5	9.1	30.0	56.8	88.4	116.8
155	106.9	93.3	70.3	45.1	23.3	7.1	1.2	0.6	1.0	0.6	1.2	7.1	23.3	45.1	70.3	93.3
160	80.2	69.3	52.1	33.2	16.9	5.2	0.9	0.5	0.7	0.5	0.9	5.2	16.9	33.2	52.1	69.3
165	53.8	45.5	34.4	21.8	11.0	3.4	0.8	0.4	0.8	0.4	0.8	3.4	11.0	21.8	34.4	45.5
170	29.2	23.8	17.9	11.5	5.7	1.9	0.5	0.4	0.6	0.4	0.5	1.9	5.7	11.5	17.9	23.8
175	8.7	5.7	4.8	3.3	1.9	0.8	0.4	0.4	0.6	0.4	0.4	0.8	1.9	3.3	4.8	5.7
180	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

Average Luminance (cd/m^2)

Horizontal Angle (Degrees)

Vertical Angle (Degrees)	0	45	90
0	70	70	70
45	5638	1630	547
55	6253	1735	590
65	6794	1813	623
75	7263	1871	648
85	7739	1927	669

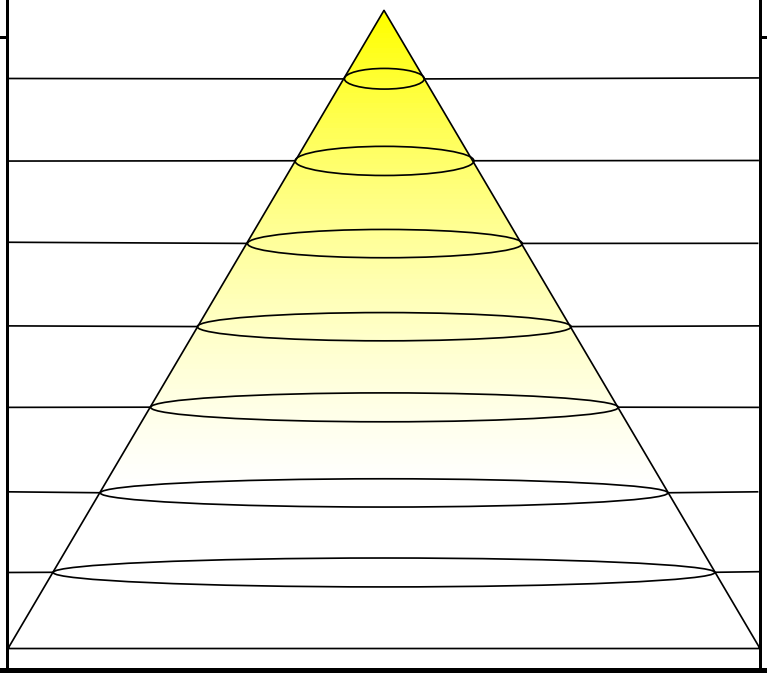
Coefficients of Utilization - Zonal Cavity Method

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	50
1	92	85	79	73	84	78	72	67	64	60	56	52	49	46	40	38	36	30
2	81	71	62	55	74	65	57	51	53	47	42	42	38	34	32	29	26	21
3	73	60	51	43	66	55	47	40	45	38	33	35	30	26	27	23	19	15
4	66	52	42	35	59	48	39	32	39	32	26	30	25	21	23	19	15	11
5	60	46	36	29	54	42	33	26	34	27	21	27	21	17	20	16	12	9
6	55	40	31	24	49	37	28	22	30	23	18	24	18	14	18	13	10	7
7	50	36	27	20	45	33	25	19	27	20	15	21	16	12	16	12	8	5
8	46	32	24	18	42	30	22	16	24	18	13	19	14	10	14	10	7	4
9	43	29	21	15	39	27	19	14	22	16	11	17	12	9	13	9	6	4
10	40	27	19	13	36	24	17	12	20	14	10	16	11	8	12	8	5	3

Beam and Field Information		
CIE Type:	Direct/Indirect	
Center Beam Intensity:	0.8	Candela
Central Cone Intensity:	2	Candela
Beam Flux:	1053.3	Lumens
Beam Angle (0-180):	359.7	Degrees
Beam Angle (90-270):	357.8	Degrees
Field Angle (0-180):	NA	Degrees
Field Angle (90-270):	NA	Degrees

Cone of Light Tabulation

Mounting Height (Feet)	Footcandles at Nadir	Diameter (Feet)
4.00	0.0529	50.4
6.00	0.0235	75.7
8.00	0.0132	101
10.0	0.00846	126
12.0	0.00588	151
14.0	0.00432	177
16.0	0.00331	202



ISOFootcandle Plot

Mounting Height - 8 Feet