



Distribution - Goniophotometer

Distribution Test Conditions

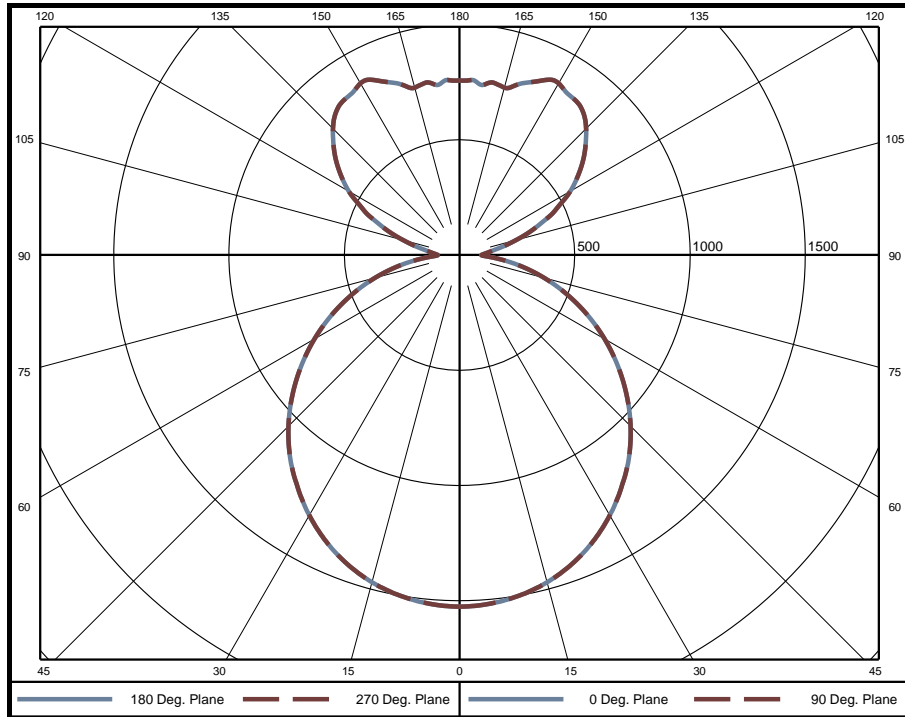
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.7 °C	120.1 VAC	0.5860 A	69.45 W	0.987	60 Hz	7.83 %

Summary of Results

Spacing Criteria
 0-180: 1.27
 90-270: 1.27

Total Lumen Output: 8134 Lumens
Luminaire Efficacy: 117.1 lm/w
Maximum Candela: 1525 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	36.4	0.4%	60-65	325.0	4.0%	120-125	282.6	3.5%
5-10	107.9	1.3%	65-70	279.7	3.4%	125-130	301.3	3.7%
10-15	176.1	2.2%	70-75	228.1	2.8%	130-135	308.8	3.8%
15-20	238.6	2.9%	75-80	172.5	2.1%	135-140	305.7	3.8%
20-25	293.3	3.6%	80-85	115.5	1.4%	140-145	287.6	3.5%
25-30	338.4	4.2%	85-90	65.2	0.8%	145-150	259.6	3.2%
30-35	372.5	4.6%	90-95	63.6	0.8%	150-155	233.3	2.9%
35-40	395.5	4.9%	95-100	81.4	1.0%	155-160	201.4	2.5%
40-45	406.1	5.0%	100-105	116.6	1.4%	160-165	159.6	2.0%
45-50	403.4	5.0%	105-110	162.4	2.0%	165-170	115.9	1.4%
50-55	388.2	4.8%	110-115	208.8	2.6%	170-175	68.6	0.8%
55-60	361.7	4.4%	115-120	250.5	3.1%	175-180	22.3	0.3%

Zone	Lumens	% of Luminaire
0-40	1959	24.1%
0-60	3518	43.3%
0-90	4704	57.8%
90-180	3430	42.2%



Candela Tabulation

Horizontal Angle (Degrees)

Vertical Angle (Degrees)	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	1525	1525	1525	1525	1525	1525	1525	1525	1525	1525	1525	1525	1525	1525	1525	1525
5	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518	1518
10	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499	1499
15	1469	1469	1469	1469	1469	1469	1469	1469	1469	1469	1469	1469	1469	1469	1469	1469
20	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426	1426
25	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370	1370
30	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303
35	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226	1226
40	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144	1144
45	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050
50	947	947	947	947	947	947	947	947	947	947	947	947	947	947	947	947
55	839	839	839	839	839	839	839	839	839	839	839	839	839	839	839	839
60	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726	726
65	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611
70	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494	494
75	379	379	379	379	379	379	379	379	379	379	379	379	379	379	379	379
80	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267	267
85	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161	161
90	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
95	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
100	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178	178
105	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261	261
110	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361
115	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467	467
120	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566	566
125	654	654	654	654	654	654	654	654	654	654	654	654	654	654	654	654
130	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731	731
135	797	797	797	797	797	797	797	797	797	797	797	797	797	797	797	797
140	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850	850
145	871	871	871	871	871	871	871	871	871	871	871	871	871	871	871	871
150	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897
155	947	947	947	947	947	947	947	947	947	947	947	947	947	947	947	947
160	967	967	967	967	967	967	967	967	967	967	967	967	967	967	967	967
165	973	973	973	973	973	973	973	973	973	973	973	973	973	973	973	973
170	973	973	973	973	973	973	973	973	973	973	973	973	973	973	973	973
175	940	940	940	940	940	940	940	940	940	940	940	940	940	940	940	940
180	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918	918

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

Vertical Angle (Degrees)	Horizontal Angle (Degrees)		
	0	45	90
0	3578	3578	3578
45	4557	4557	4557
55	3565	3565	3565
65	2358	2358	2358
75	1372	1372	1372
85	570	570	570



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	109	109	109	109	102	102	102	102	88	88	88	75	75	75	63	63	63	58
1	99	94	90	86	92	88	84	81	76	73	70	65	63	61	55	53	52	47
2	90	82	75	69	83	76	70	65	66	61	58	56	53	50	48	45	43	39
3	81	71	64	57	75	67	60	54	58	52	48	49	45	42	42	39	36	32
4	74	63	55	48	69	59	51	46	51	45	41	44	39	36	37	34	31	27
5	68	56	47	41	63	52	45	39	46	39	35	39	34	31	33	30	27	24
6	63	50	42	36	58	47	39	34	41	35	30	35	30	27	30	26	23	20
7	58	45	37	31	54	42	35	30	37	31	27	32	27	24	27	24	21	18
8	54	41	33	27	50	39	31	26	34	28	24	29	24	21	25	21	18	16
9	50	37	30	24	47	35	28	23	31	25	21	27	22	19	23	19	17	14
10	47	34	27	22	43	32	25	21	28	23	19	25	20	17	21	18	15	13

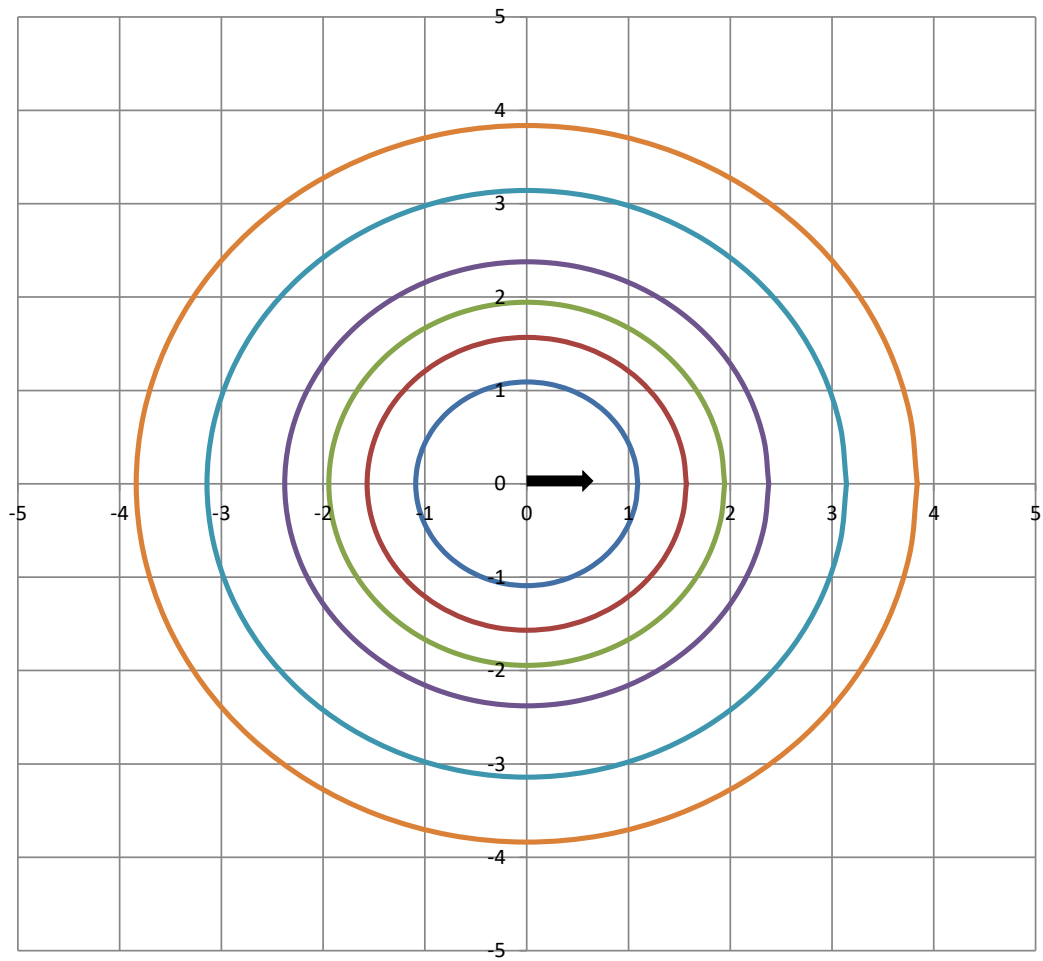
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	1525 Candela
Central Cone Intensity:	1522 Candela
Beam Flux:	5226.9 Lumens
Beam Angle (0-180):	116.8 Degrees
Beam Angle (90-270):	116.8 Degrees
Field Angle (0-180):	170.8 Degrees
Field Angle (90-270):	170.8 Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		95.3	5.08
6.00		42.4	7.62
8.00		23.8	10.2
10.0		15.2	12.7
12.0		10.6	15.2
14.0		7.78	17.8
16.0		5.96	20.3



ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

