Distribution - Goniophotometer

Distribution Test Conditions

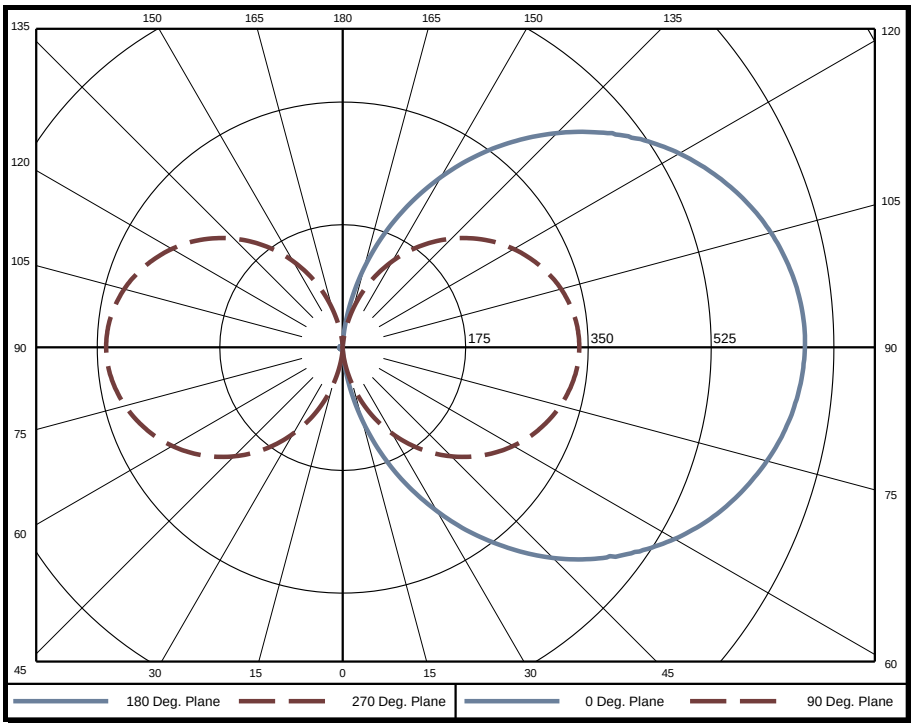
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.0 VAC	0.3632 A	43.04 W	0.988	60 Hz	7.95 %

Summary of Results

Spacing Criteria
0-180: #N/A
90-270: #N/A

Total Lumen Output: 3350 Lumens
Luminaire Efficacy: 77.8 lm/w
Maximum Candela: 673 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0.1	0.0%	60-65	149.3	4.5%	120-125	133.7	4.0%
5-10	1.1	0.0%	65-70	163.9	4.9%	125-130	116.2	3.5%
10-15	4.6	0.1%	70-75	176.4	5.3%	130-135	98.2	2.9%
15-20	11.0	0.3%	75-80	186.5	5.6%	135-140	80.3	2.4%
20-25	20.3	0.6%	80-85	193.7	5.8%	140-145	63.0	1.9%
25-30	32.2	1.0%	85-90	197.5	5.9%	145-150	47.0	1.4%
30-35	46.3	1.4%	90-95	197.7	5.9%	150-155	32.7	1.0%
35-40	62.3	1.9%	95-100	194.2	5.8%	155-160	20.7	0.6%
40-45	79.6	2.4%	100-105	187.2	5.6%	160-165	11.2	0.3%
45-50	97.5	2.9%	105-110	177.3	5.3%	165-170	4.6	0.1%
50-55	115.5	3.4%	110-115	164.7	4.9%	170-175	1.0	0.0%
55-60	132.9	4.0%	115-120	150.0	4.5%	175-180	0.0	0.0%

Zone	Lumens	% of Luminaire
0-40	178	5.3%
0-60	603	18.0%
0-90	1671	49.9%
90-180	1680	50.1%

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	0.0	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
5	11.0	14.9	11.0	5.6	3.7	1.7	0.0	0.0	0.0	0.0	0.0	1.7	3.7	5.6	11.0	14.9
10	49.4	54.9	45.8	32.2	23.5	14.9	2.4	0.0	0.0	0.0	2.4	14.9	23.5	32.2	45.8	54.9
15	99.8	106.1	92.1	66.6	50.0	35.3	10.8	0.0	0.0	0.0	10.8	35.3	50.0	66.6	92.1	106.1
20	153.8	161.5	143.0	104.6	78.8	58.2	22.8	1.0	0.0	1.0	22.8	58.2	78.8	104.6	143.0	161.5
25	208.4	218.7	195.7	143.9	107.3	81.8	36.6	3.1	0.0	3.1	36.6	81.8	107.3	143.9	195.7	218.7
30	262.8	274.8	248.2	183.4	134.9	104.8	51.1	6.6	0.0	6.6	51.1	104.8	134.9	183.4	248.2	274.8
35	316.6	330.2	299.4	222.2	162.2	126.8	65.7	10.4	0.0	10.4	65.7	126.8	162.2	222.2	299.4	330.2
40	367.9	383.4	348.6	259.7	188.2	148.3	80.1	14.6	0.0	14.6	80.1	148.3	188.2	259.7	348.6	383.4
45	417.3	433.2	395.5	294.9	212.3	168.5	94.2	18.7	0.0	18.7	94.2	168.5	212.3	294.9	395.5	433.2
50	461.6	479.4	438.9	327.9	234.6	186.8	107.3	22.7	0.0	22.7	107.3	186.8	234.6	327.9	438.9	479.4
55	501.1	521.8	478.7	358.1	255.1	203.9	119.1	26.4	0.0	26.4	119.1	203.9	255.1	358.1	478.7	521.8
60	538.9	559.5	513.7	385.9	273.5	219.1	130.0	30.0	0.0	30.0	130.0	219.1	273.5	385.9	513.7	559.5
65	571.0	592.5	544.6	410.1	289.6	232.6	139.5	33.1	0.0	33.1	139.5	232.6	289.6	410.1	544.6	592.5
70	597.0	619.6	570.1	430.4	302.8	243.9	147.2	35.6	0.0	35.6	147.2	243.9	302.8	430.4	570.1	619.6
75	618.6	641.7	591.0	447.0	313.8	252.2	153.7	38.0	0.0	38.0	153.7	252.2	313.8	447.0	591.0	641.7
80	635.4	658.6	607.0	460.2	322.6	259.2	158.5	39.7	0.0	39.7	158.5	259.2	322.6	460.2	607.0	658.6
85	646.6	669.2	617.3	468.3	328.0	263.8	162.0	41.0	0.0	41.0	162.0	263.8	328.0	468.3	617.3	669.2
90	651.6	673.3	621.1	471.5	330.2	265.7	163.5	41.4	0.0	41.4	163.5	265.7	330.2	471.5	621.1	673.3
95	649.4	669.4	617.7	468.5	328.6	264.5	163.0	41.5	0.0	41.5	163.0	264.5	328.6	468.5	617.7	669.4
100	639.9	658.7	607.7	461.4	323.3	260.5	160.8	40.7	0.0	40.7	160.8	260.5	323.3	461.4	607.7	658.7
105	624.8	641.6	591.9	448.5	315.3	254.0	157.0	39.6	0.0	39.6	157.0	254.0	315.3	448.5	591.9	641.6
110	603.7	618.3	570.2	431.6	304.0	245.4	151.3	37.7	0.0	37.7	151.3	245.4	304.0	431.6	570.2	618.3
115	577.4	590.0	543.9	410.6	290.2	234.3	144.3	35.3	0.0	35.3	144.3	234.3	290.2	410.6	543.9	590.0
120	546.5	556.5	513.3	386.5	274.2	221.6	136.0	32.7	0.0	32.7	136.0	221.6	274.2	386.5	513.3	556.5
125	511.1	518.6	477.1	359.0	256.1	206.7	126.4	29.6	0.0	29.6	126.4	206.7	256.1	359.0	477.1	518.6
130	469.8	474.8	437.1	327.9	235.2	190.0	115.7	26.3	0.0	26.3	115.7	190.0	235.2	327.9	437.1	474.8
135	425.3	428.0	392.9	294.8	212.7	171.7	104.1	22.7	0.0	22.7	104.1	171.7	212.7	294.8	392.9	428.0
140	377.5	377.8	345.6	259.4	188.6	152.2	91.1	18.8	0.0	18.8	91.1	152.2	188.6	259.4	345.6	377.8
145	327.2	324.8	296.7	222.2	163.0	131.1	77.6	15.0	0.0	15.0	77.6	131.1	163.0	222.2	296.7	324.8
150	274.0	268.9	245.2	183.1	135.7	108.8	63.2	11.0	0.0	11.0	63.2	108.8	135.7	183.1	245.2	268.9
155	219.2	212.5	192.5	143.7	107.8	86.1	48.4	7.0	0.0	7.0	48.4	86.1	107.8	143.7	192.5	212.5
160	164.5	155.8	139.6	103.8	79.2	62.3	33.6	3.3	0.0	3.3	33.6	62.3	79.2	103.8	139.6	155.8
165	110.2	100.8	88.5	65.6	50.4	38.8	19.5	0.7	0.0	0.7	19.5	38.8	50.4	65.6	88.5	100.8
170	58.6	49.1	40.9	30.2	23.3	17.1	7.0	0.0	0.0	0.0	7.0	17.1	23.3	30.2	40.9	49.1
175	16.9	7.3	5.2	3.8	2.9	2.0	0.1	0.0	0.0	0.0	0.1	2.0	2.9	3.8	5.2	7.3
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/m^2)

Horizontal Angle (Degrees)

Vertical Angle (Degrees)	0	45	90
0	0	0	0
45	4039	3625	3807
55	4288	3875	4131
65	4502	4058	4397
75	4653	4197	4617
85	4789	4312	4823

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	51	48	45	40	38	35	30
2	81	71	62	55	74	64	57	50	53	47	42	42	37	33	32	28	25	20
3	73	60	51	43	66	55	46	39	45	38	32	35	30	26	26	22	19	14
4	66	52	42	35	59	47	39	32	38	31	26	30	25	20	22	18	15	11
5	60	46	36	29	54	41	33	26	34	27	21	26	21	16	19	15	12	8
6	54	40	31	24	49	37	28	22	30	23	18	23	18	14	17	13	10	6
7	50	36	27	20	45	33	24	18	27	20	15	21	15	11	15	11	8	5
8	46	32	23	17	42	29	21	16	24	17	13	19	14	10	14	10	7	4
9	43	29	21	15	39	27	19	14	22	15	11	17	12	8	13	9	6	4
10	40	27	19	13	36	24	17	12	20	14	10	16	11	7	12	8	5	3

Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	0.0 Candela
Central Cone Intensity:	1 Candela
Beam Flux:	3350.2 Lumens
Beam Angle (0-180):	N/A Degrees
Beam Angle (90-270):	N/A Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	N/A Degrees

ISOFootcandle Plot

Mounting Height - 8 Feet