



Distribution - Goniophotometer

Distribution Test Conditions

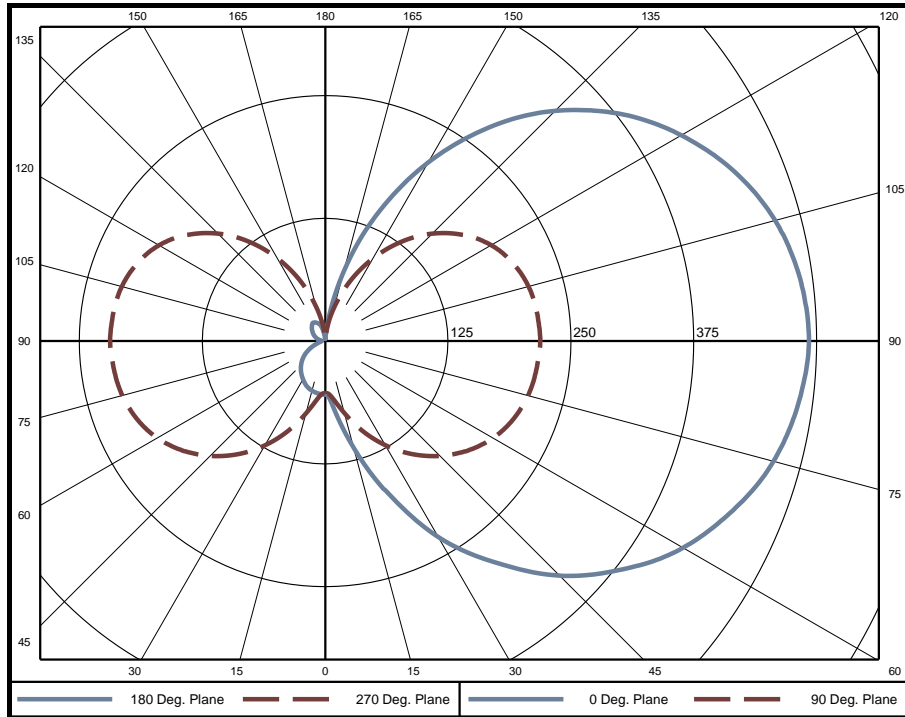
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.1 VAC	0.2398 A	28.52 W	0.991	60 Hz	5.91 %

Summary of Results

Spacing Criteria
 0-180: 4.71
 90-270: 3.33

Total Lumen Output: 2340 Lumens
Luminaire Efficacy: 82.0 lm/w
Maximum Candela: 492 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	1.3	0.1%	60-65	102.1	4.4%	120-125	91.0	3.9%
5-10	4.4	0.2%	65-70	109.6	4.7%	125-130	80.7	3.4%
10-15	8.6	0.4%	70-75	115.7	4.9%	130-135	70.1	3.0%
15-20	14.5	0.6%	75-80	120.4	5.1%	135-140	59.5	2.5%
20-25	21.9	0.9%	80-85	123.5	5.3%	140-145	48.9	2.1%
25-30	30.6	1.3%	85-90	125.4	5.4%	145-150	38.6	1.6%
30-35	40.5	1.7%	90-95	125.2	5.4%	150-155	29.1	1.2%
35-40	51.0	2.2%	95-100	123.4	5.3%	155-160	20.7	0.9%
40-45	61.9	2.6%	100-105	120.3	5.1%	160-165	13.7	0.6%
45-50	72.8	3.1%	105-110	115.3	4.9%	165-170	8.2	0.4%
50-55	83.4	3.6%	110-115	108.5	4.6%	170-175	4.2	0.2%
55-60	93.3	4.0%	115-120	100.3	4.3%	175-180	1.3	0.1%

Zone	Lumens	% of Luminaire
0-40	173	7.4%
0-60	484	20.7%
0-90	1181	50.5%
90-180	1159	49.5%



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	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
	5	60.9	61.3	59.4	57.3	55.3	53.7	53.2	53.6	54.4	53.6	53.2	53.7	55.3	57.3	59.4
	10	82.8	83.1	78.2	71.2	63.9	57.4	53.6	52.9	53.6	52.9	53.6	57.4	63.9	71.2	83.1
	15	113.1	112.2	103.5	90.7	76.3	63.2	54.5	51.8	52.4	51.8	54.5	63.2	76.3	90.7	103.5
	20	150.0	149.2	134.9	114.3	91.2	70.0	55.5	50.1	50.7	50.1	55.5	70.0	91.2	114.3	134.9
	25	188.3	186.0	167.2	138.8	106.9	77.3	56.2	47.8	48.2	47.8	56.2	77.3	106.9	138.8	167.2
	30	230.3	223.4	199.9	163.3	122.6	84.6	56.6	44.8	45.1	44.8	56.6	84.6	122.6	163.3	199.9
	35	266.6	261.4	231.1	187.3	137.8	91.5	57.0	41.5	41.9	41.5	57.0	91.5	137.8	187.3	231.1
	40	301.7	293.9	260.3	209.6	152.1	98.1	57.2	38.0	38.4	38.0	57.2	98.1	152.1	209.6	260.3
	45	337.4	326.0	287.8	230.4	165.4	103.9	56.9	34.2	34.6	34.2	56.9	103.9	165.4	230.4	287.8
	50	367.5	355.6	312.9	249.5	177.3	109.0	56.3	30.2	30.6	30.2	56.3	109.0	177.3	249.5	312.9
	55	395.6	381.9	335.3	266.2	188.2	113.1	55.2	25.8	26.1	25.8	55.2	113.1	188.2	266.2	335.3
	60	420.4	405.4	355.0	280.9	197.2	116.2	53.4	20.8	21.0	20.8	53.4	116.2	197.2	280.9	355.0
	65	440.3	425.4	371.8	293.2	204.4	118.4	51.1	15.8	15.9	15.8	51.1	118.4	204.4	293.2	371.8
	70	458.0	441.2	385.0	302.7	209.8	119.4	48.6	10.9	11.2	10.9	48.6	119.4	209.8	302.7	385.0
	75	472.2	453.6	395.5	310.0	213.7	120.0	46.6	7.1	7.6	7.1	46.6	120.0	213.7	310.0	395.5
	80	482.0	462.8	403.0	315.2	216.1	120.1	45.1	4.7	5.2	4.7	45.1	120.1	216.1	315.2	403.0
	85	488.6	468.5	407.7	318.3	217.5	119.9	43.9	3.2	4.0	3.2	43.9	119.9	217.5	318.3	407.7
	90	492.2	470.9	409.8	320.2	218.8	120.6	44.1	3.0	3.9	3.0	44.1	120.6	218.8	320.2	409.8
	95	489.0	467.8	407.1	317.9	217.1	119.8	43.8	3.1	3.9	3.1	43.8	119.8	217.1	317.9	407.1
	100	482.9	462.1	402.5	314.9	215.8	120.1	45.0	4.5	5.4	4.5	45.0	120.1	215.8	314.9	402.5
	105	473.0	452.5	394.7	309.4	213.4	120.2	46.6	6.9	7.5	6.9	46.6	120.2	213.4	309.4	394.7
	110	458.2	438.4	383.2	301.1	209.0	119.1	47.9	9.3	9.5	9.3	47.9	119.1	209.0	301.1	383.2
	115	439.5	420.4	368.1	290.3	202.6	117.0	48.6	11.8	11.7	11.8	48.6	117.0	202.6	290.3	368.1
	120	417.0	399.2	350.2	277.1	194.9	113.8	48.9	14.2	14.0	14.2	48.9	113.8	194.9	277.1	350.2
	125	391.6	374.5	329.4	261.6	185.2	109.8	49.2	16.9	16.9	16.9	49.2	109.8	185.2	261.6	329.4
	130	362.8	346.6	305.5	243.8	173.9	105.1	49.2	20.4	21.0	20.4	49.2	105.1	173.9	243.8	305.5
	135	331.1	316.4	280.1	224.7	161.8	99.7	49.9	25.5	26.4	25.5	49.9	99.7	161.8	224.7	280.1
	140	297.3	284.1	252.4	203.8	148.4	94.0	51.2	30.6	31.7	30.6	51.2	94.0	148.4	203.8	252.4
	145	260.7	248.7	222.1	180.5	133.8	87.7	52.1	35.6	36.7	35.6	52.1	87.7	133.8	180.5	222.1
	150	223.0	211.6	190.5	156.4	118.3	81.0	52.8	40.4	41.4	40.4	52.8	81.0	118.3	156.4	190.5
	155	184.2	174.3	157.9	132.2	102.8	74.1	53.1	44.5	45.3	44.5	53.1	74.1	102.8	132.2	157.9
	160	145.1	137.5	126.1	108.1	87.4	67.3	53.1	47.7	48.5	47.7	53.1	67.3	87.4	108.1	126.1
	165	109.5	103.4	96.8	85.7	73.2	61.2	52.9	50.1	50.9	50.1	52.9	61.2	73.2	85.7	96.8
	170	79.9	75.8	72.8	67.6	61.8	56.2	52.6	51.8	52.5	51.8	52.6	56.2	61.8	67.6	72.8
	175	58.9	57.0	56.3	55.1	54.0	52.9	52.5	52.9	53.6	52.9	52.5	52.9	54.0	55.1	56.3
	180	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1

Average Luminance (cd/m²)

Vertical Angle (Degrees)	Horizontal Angle (Degrees)			
	0	45	90	
	0	2074	2074	2074
	45	5530	2970	1908
	55	6148	3167	2001
	65	6699	3329	2073
	75	7253	3466	2133
	85	7817	3607	2205



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	84	84	84	69	69	69	57	57	57	50
1	92	86	80	74	84	79	73	69	65	61	57	53	50	47	41	39	37	31
2	82	72	64	57	75	66	58	52	54	48	43	43	39	35	33	30	27	22
3	74	61	52	45	67	56	48	41	46	39	34	37	32	27	28	24	21	16
4	67	53	44	36	60	49	40	33	40	33	28	32	26	22	24	20	16	12
5	61	47	37	30	55	43	34	28	35	28	23	28	22	18	21	17	13	10
6	55	41	32	25	50	38	29	23	31	24	19	25	19	15	19	14	11	8
7	51	37	28	22	46	34	26	20	28	21	16	22	17	13	17	13	9	7
8	47	33	25	19	43	30	23	17	25	19	14	20	15	11	15	11	8	6
9	44	30	22	16	40	28	20	15	23	17	12	18	13	10	14	10	7	5
10	41	27	19	14	37	25	18	13	21	15	11	17	12	8	13	9	6	4

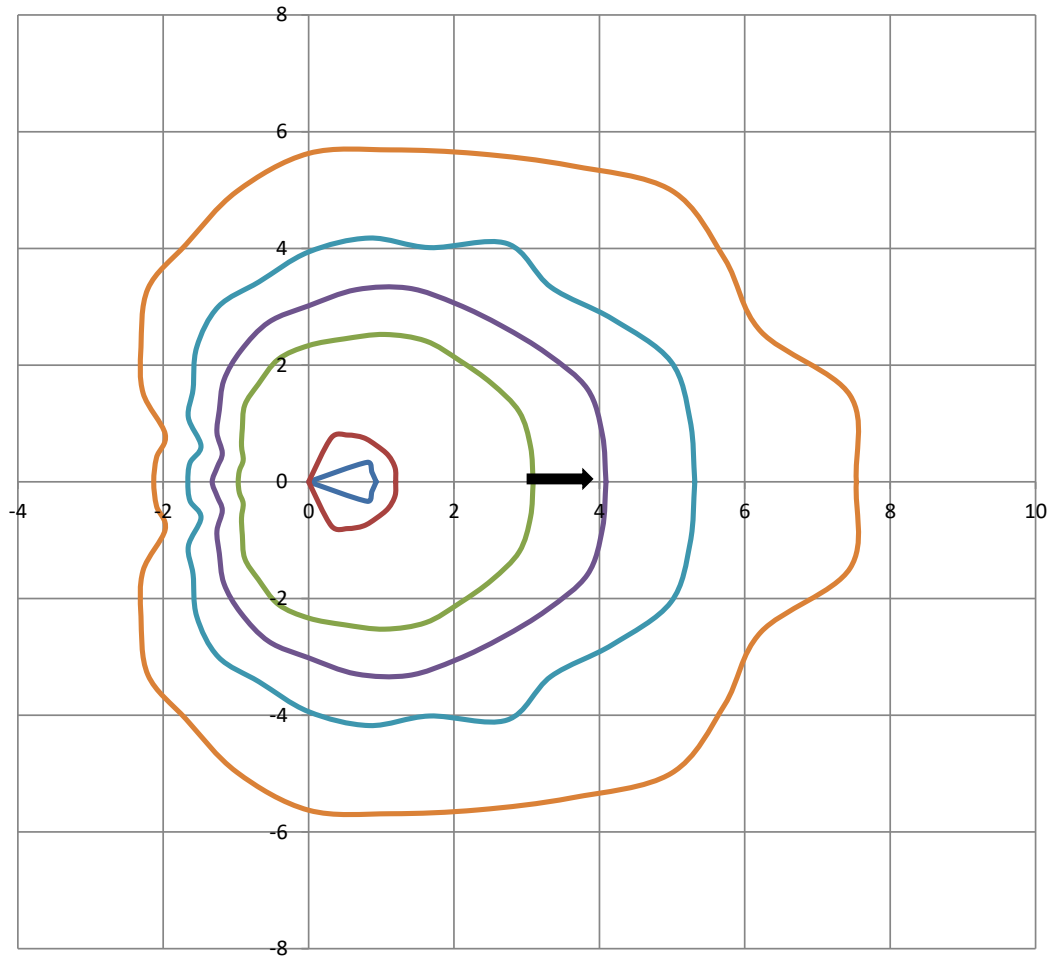
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	53.5 Candela
Central Cone Intensity:	54 Candela
Beam Flux:	2322.8 Lumens
Beam Angle (0-180):	N/A Degrees
Beam Angle (90-270):	N/A Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	N/A Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		3.35	13.6
6.00		1.49	20.4
8.00		0.836	27.2
10.0		0.535	34.0
12.0		0.372	40.8
14.0		0.273	47.6
16.0		0.209	54.4



ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

— 2 fc — 1.5 fc — 0.2 fc — 0.1 fc — 0.05 fc — 0.02 fc