



Distribution - Goniophotometer

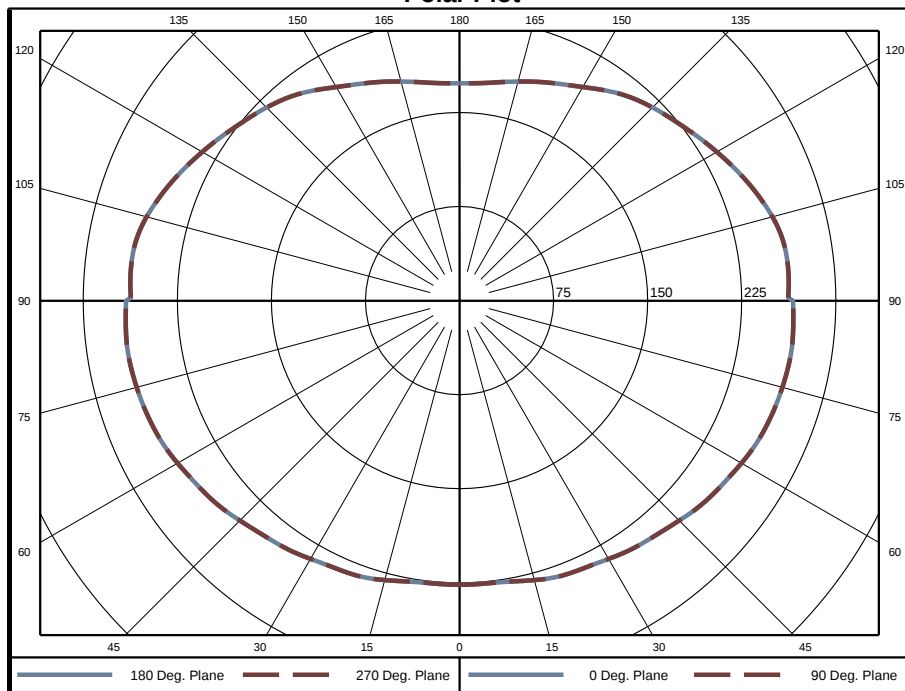
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.0 VAC	0.1979 A	23.47 W	0.988	60 Hz	5.69 %

Summary of Results

Spacing Criteria	Total Lumen Output:	3066 Lumens
0-180: 1.63	Luminaire Efficacy:	130.7 lm/w
90-270: 1.63	Maximum Candela:	268 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)		
Crosswise: 17.9	Endwise: 17.9	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	5.4	0.2%	60-65	127.1	4.1%	120-125	108.0	3.5%
5-10	16.2	0.5%	65-70	133.8	4.4%	125-130	98.6	3.2%
10-15	27.2	0.9%	70-75	139.0	4.5%	130-135	89.2	2.9%
15-20	38.3	1.2%	75-80	143.0	4.7%	135-140	79.6	2.6%
20-25	49.2	1.6%	80-85	145.4	4.7%	140-145	69.5	2.3%
25-30	59.8	2.0%	85-90	145.9	4.8%	145-150	59.1	1.9%
30-35	70.5	2.3%	90-95	143.9	4.7%	150-155	49.0	1.6%
35-40	80.9	2.6%	95-100	143.0	4.7%	155-160	39.5	1.3%
40-45	91.0	3.0%	100-105	139.6	4.6%	160-165	30.2	1.0%
45-50	101.1	3.3%	105-110	133.4	4.4%	165-170	21.2	0.7%
50-55	110.5	3.6%	110-115	125.7	4.1%	170-175	12.6	0.4%
55-60	119.0	3.9%	115-120	117.1	3.8%	175-180	4.2	0.1%

Zone	Lumens	% of Luminaire
0-40	348	11.3%
0-60	769	25.1%
0-90	1603	52.3%
90-180	1463	47.7%



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	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4
	5	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3	226.3
	10	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4	227.4
	15	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6	230.6
	20	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7	233.7
	25	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2	235.2
	30	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7	237.7
	35	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1	241.1
	40	243.8	243.8	243.8	243.8	243.8	243.8	243.8	243.8	243.8	243.8	243.8	243.8	243.8	243.8	243.8
	45	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8	247.8
	50	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4	252.4
	55	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7	255.7
	60	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4	259.4
	65	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0	263.0
	70	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1
	75	266.5	266.5	266.5	266.5	266.5	266.5	266.5	266.5	266.5	266.5	266.5	266.5	266.5	266.5	266.5
	80	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6	267.6
	85	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1
	90	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0	266.0
	95	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3	263.3
	100	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6
	105	258.4	258.4	258.4	258.4	258.4	258.4	258.4	258.4	258.4	258.4	258.4	258.4	258.4	258.4	258.4
	110	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8
	115	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5	244.5
	120	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1
	125	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0	230.0
	130	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5	223.5
	135	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8	217.8
	140	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8
	145	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4	204.4
	150	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7	196.7
	155	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7	190.7
	160	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7	185.7
	165	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9	180.9
	170	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9
	175	174.1	174.1	174.1	174.1	174.1	174.1	174.1	174.1	174.1	174.1	174.1	174.1	174.1	174.1	174.1
	180	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

Vertical Angle (Degrees)	0	45	90
	0	2280	2280
	45	1552	1552
	55	1593	1593
	65	1680	1680
	75	1803	1803
	85	1984	1984



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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	58	58	58	52
1	94	87	82	76	86	80	75	71	67	63	60	55	52	50	44	42	40	34
2	83	74	66	59	76	68	61	55	56	51	46	46	42	38	36	33	30	25
3	75	63	54	47	68	58	50	44	48	42	37	39	34	30	31	27	24	20
4	68	55	46	39	62	51	42	36	42	36	30	34	29	25	27	23	20	16
5	62	49	39	32	57	45	36	30	37	30	25	30	25	21	24	20	16	13
6	57	43	34	28	52	40	32	26	33	27	22	27	22	18	21	17	14	11
7	53	39	30	24	48	36	28	22	30	23	19	24	19	15	19	15	12	9
8	49	35	27	21	44	32	25	19	27	21	16	22	17	13	18	14	11	8
9	45	32	24	18	41	29	22	17	25	19	14	20	15	12	16	12	9	7
10	42	29	21	16	39	27	20	15	23	17	13	19	14	11	15	11	8	6

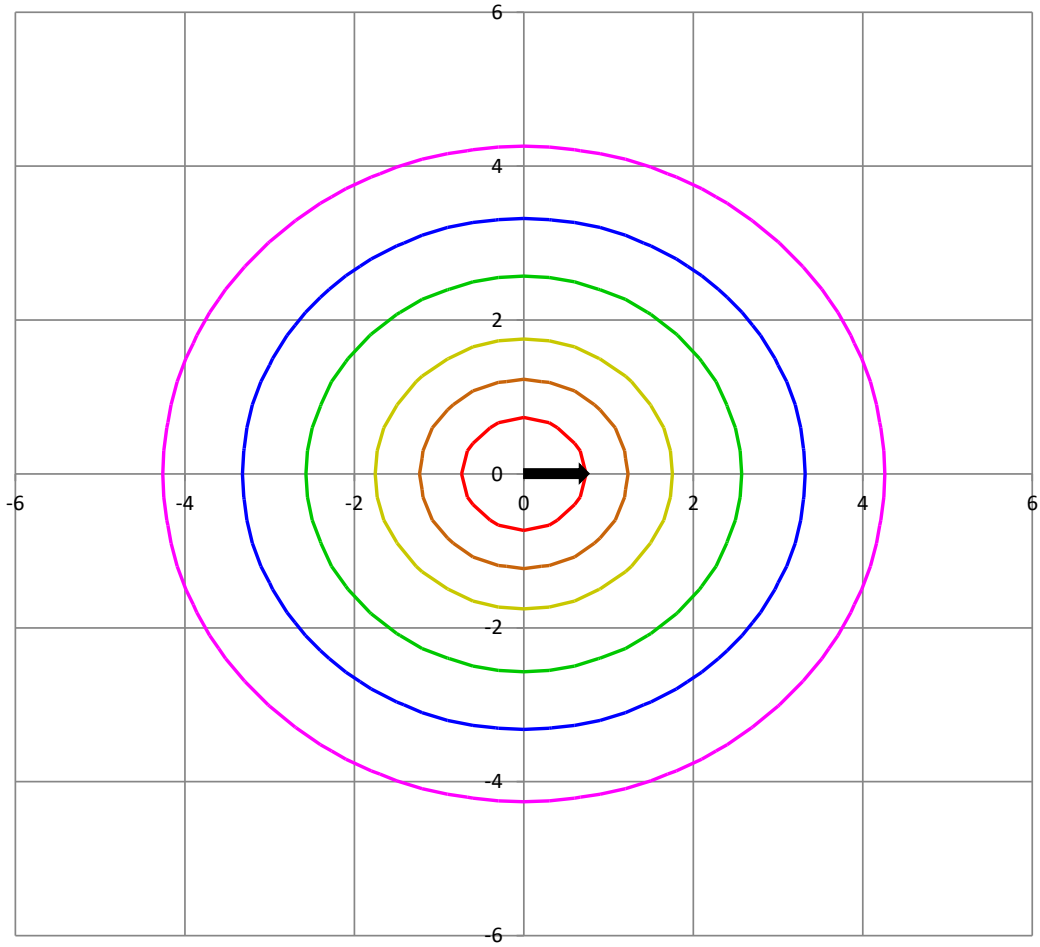
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	226.4 Candela
Central Cone Intensity:	N/A Candela
Beam Flux:	3066.6 Lumens
Beam Angle (0-180):	N/A Degrees
Beam Angle (90-270):	N/A Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	N/A Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		14.2	6.53
6.00		6.29	9.79
8.00		3.54	13.1
10.0		2.26	16.3
12.0		1.57	19.6
14.0		1.16	22.8
16.0		0.884	26.1



ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

