



Distribution - Goniophotometer

Distribution Test Conditions

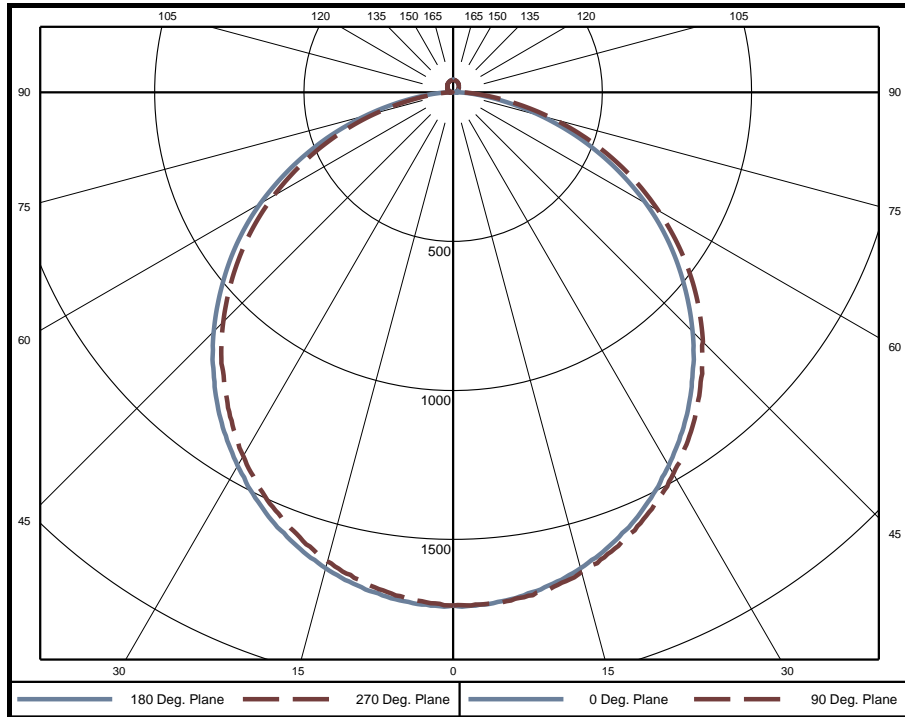
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	120.0 VAC	0.6690 A	80.08 W	0.997	60 Hz	6.76 %

Summary of Results

Spacing Criteria
 0-180: 1.25
 90-270: 1.27

Total Lumen Output: 4977 Lumens
Luminaire Efficacy: 62.2 lm/w
Maximum Candela: 1725 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	41.1	0.8%	60-65	327.1	6.6%	120-125	10.6	0.2%
5-10	121.6	2.4%	65-70	266.5	5.4%	125-130	10.8	0.2%
10-15	197.9	4.0%	70-75	197.4	4.0%	130-135	10.7	0.2%
15-20	267.2	5.4%	75-80	125.8	2.5%	135-140	10.6	0.2%
20-25	327.0	6.6%	80-85	62.4	1.3%	140-145	10.4	0.2%
25-30	375.6	7.5%	85-90	17.7	0.4%	145-150	9.8	0.2%
30-35	411.4	8.3%	90-95	6.6	0.1%	150-155	8.9	0.2%
35-40	433.2	8.7%	95-100	5.6	0.1%	155-160	7.8	0.2%
40-45	441.5	8.9%	100-105	6.4	0.1%	160-165	6.3	0.1%
45-50	434.8	8.7%	105-110	7.6	0.2%	165-170	4.7	0.1%
50-55	412.9	8.3%	110-115	8.6	0.2%	170-175	2.9	0.1%
55-60	376.7	7.6%	115-120	9.6	0.2%	175-180	1.0	0.0%

Zone	Lumens	% of Luminaire
0-40	2175	43.7%
0-60	3841	77.2%
0-90	4838	97.2%
90-180	139	2.8%



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	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721	1721
	5	1715	1717	1718	1717	1718	1717	1718	1717	1715	1709	1706	1705	1702	1705	1706
	10	1693	1698	1699	1699	1698	1699	1699	1698	1693	1677	1678	1675	1674	1675	1678
	15	1652	1664	1664	1665	1665	1665	1664	1664	1652	1635	1632	1629	1628	1629	1632
	20	1597	1614	1614	1617	1619	1617	1614	1614	1597	1575	1571	1568	1564	1568	1571
	25	1528	1548	1550	1552	1553	1552	1550	1548	1528	1503	1499	1496	1494	1496	1499
	30	1446	1470	1472	1475	1476	1475	1472	1470	1446	1418	1414	1411	1407	1411	1414
	35	1353	1380	1383	1389	1389	1389	1383	1380	1353	1322	1315	1311	1308	1311	1315
	40	1248	1279	1282	1286	1289	1286	1282	1279	1248	1214	1211	1205	1204	1205	1211
	45	1136	1172	1178	1181	1184	1181	1178	1172	1136	1105	1098	1094	1090	1094	1098
	50	1013	1051	1057	1061	1064	1061	1057	1051	1013	979	973	969	965	969	973
	55	885	922	927	931	934	931	927	922	885	847	841	837	834	837	841
	60	747	783	788	793	794	793	788	783	747	710	702	698	694	698	702
	65	600	638	644	648	650	648	644	638	600	564	558	553	549	553	558
	70	451	489	495	498	501	498	495	489	451	416	411	406	404	406	411
	75	303	338	346	348	350	348	346	338	303	271	265	261	259	261	265
	80	168	198	205	207	208	207	205	198	168	141	137	133	130	133	137
	85	67	85	90	91	92	91	90	85	67	48	46	43	43	43	46
	90	2	11	12	13	13	13	12	11	2	2	2	2	2	2	2
	95	11	12	11	10	9	10	11	12	11	10	10	9	9	9	10
	100	10	11	11	10	9	10	11	11	10	11	11	11	11	11	11
	105	12	14	14	13	12	13	14	14	12	13	14	14	13	14	14
	110	15	16	17	15	14	15	17	16	15	16	16	16	16	16	16
	115	18	19	19	18	17	18	19	19	18	19	19	18	18	18	19
	120	21	22	22	21	20	21	22	22	21	21	22	22	21	22	22
	125	24	24	25	24	23	24	25	24	24	24	24	24	25	24	24
	130	25	26	26	25	24	25	26	26	25	25	26	26	26	26	25
	135	27	28	28	27	26	27	28	28	27	27	28	28	28	28	27
	140	29	30	30	30	30	30	30	29	30	30	30	30	30	30	30
	145	32	32	33	32	32	32	33	32	32	32	33	32	33	32	32
	150	34	34	34	34	34	34	34	34	34	34	35	35	35	35	34
	155	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	160	38	38	38	38	38	38	38	38	38	38	38	37	38	38	38
	165	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
	170	41	40	40	40	40	40	40	41	40	40	40	40	40	40	40
	175	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
	180	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

Vertical Angle (Degrees)	0	45	90
	0	2657	2657
	45	5153	5344
	55	2591	2712
	65	1580	1698
	75	737	840
	85	158	211



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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	99	99	99	97
1	108	103	99	95	105	101	97	94	96	93	90	92	89	87	88	86	84	82
2	98	90	83	78	96	88	82	77	84	79	74	80	76	72	77	73	70	68
3	90	79	71	65	87	77	70	64	74	68	62	71	65	61	68	63	60	57
4	82	70	61	55	80	69	60	54	66	59	53	63	57	52	61	55	51	49
5	75	63	54	47	73	61	53	47	59	52	46	57	50	45	54	49	44	42
6	70	56	47	41	68	55	47	41	53	46	40	51	45	40	49	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	41	35	31	29
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24

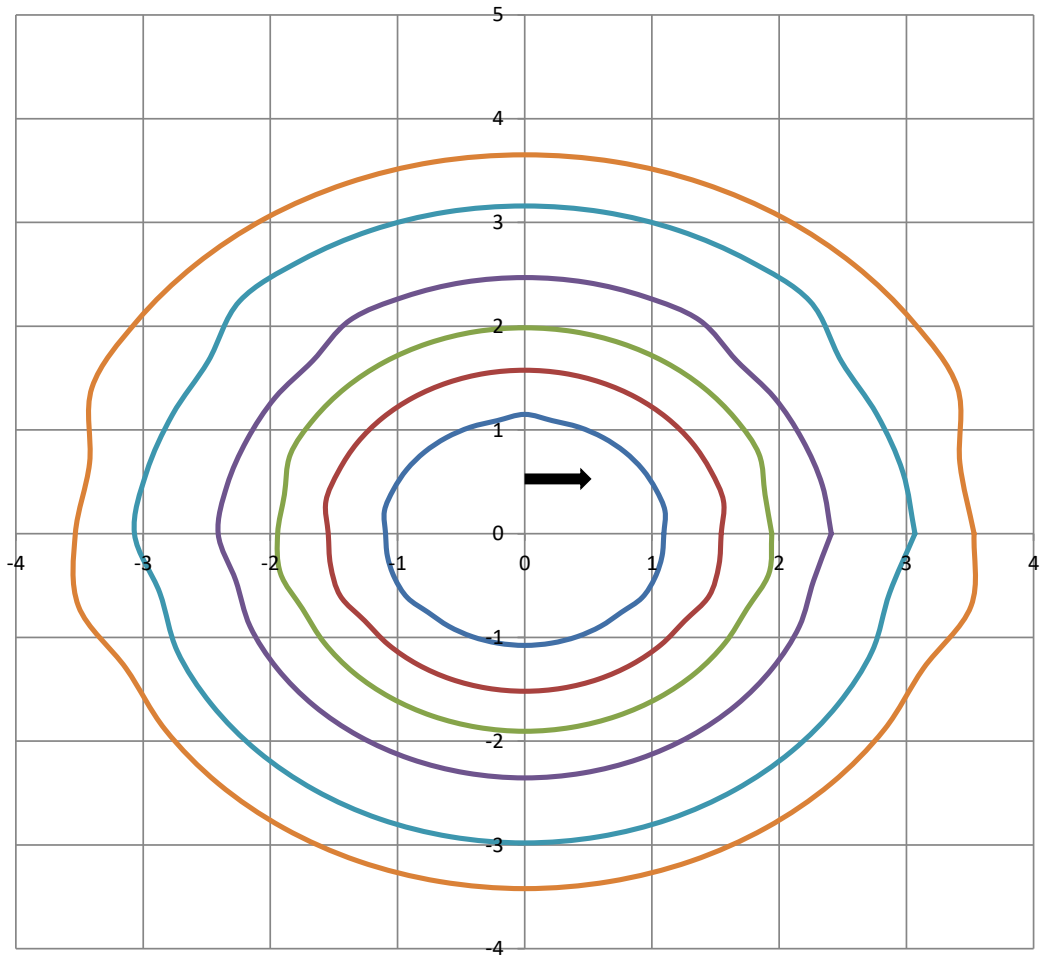
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	1721 Candela
Central Cone Intensity:	1718 Candela
Beam Flux:	3536.5 Lumens
Beam Angle (0-180):	111.8 Degrees
Beam Angle (90-270):	111.7 Degrees
Field Angle (0-180):	159.7 Degrees
Field Angle (90-270):	159.6 Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		108	4.99
6.00		47.8	7.48
8.00		26.9	9.98
10.0		17.2	12.5
12.0		11.9	15.0
14.0		8.78	17.5
16.0		6.72	20.0



ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

