



Distribution - Goniophotometer

Distribution Test Conditions

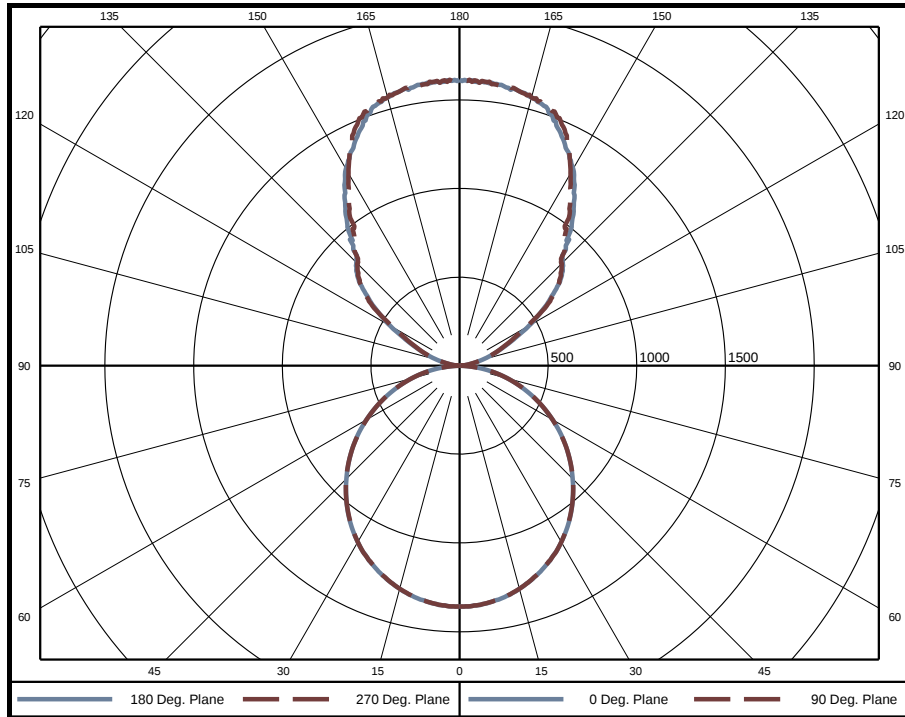
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
#NUM!	#NUM!	#NUM!	121.4 W	N/A	N/A	N/A

Summary of Results

Spacing Criteria
 0-180: 1.26
 90-270: 1.25

Total Lumen Output: 7542 Lumens
Luminaire Efficacy: 62.1 lm/w
Maximum Candela: 1615 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	32.4	0.4%	60-65	268.3	3.6%	120-125	244.0	3.2%
5-10	96.1	1.3%	65-70	225.4	3.0%	125-130	292.7	3.9%
10-15	156.4	2.1%	70-75	177.0	2.3%	130-135	316.9	4.2%
15-20	211.3	2.8%	75-80	125.2	1.7%	135-140	324.0	4.3%
20-25	258.9	3.4%	80-85	70.9	0.9%	140-145	341.9	4.5%
25-30	298.6	4.0%	85-90	20.3	0.3%	145-150	349.3	4.6%
30-35	327.3	4.3%	90-95	5.7	0.1%	150-155	338.9	4.5%
35-40	345.0	4.6%	95-100	22.5	0.3%	155-160	307.0	4.1%
40-45	351.3	4.7%	100-105	52.1	0.7%	160-165	254.4	3.4%
45-50	346.3	4.6%	105-110	90.6	1.2%	165-170	187.7	2.5%
50-55	330.3	4.4%	110-115	133.3	1.8%	170-175	114.5	1.5%
55-60	303.8	4.0%	115-120	183.4	2.4%	175-180	38.5	0.5%

Zone	Lumens	% of Luminaire
0-40	1726	22.9%
0-60	3058	40.5%
0-90	3945	52.3%
90-180	3597	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	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359
	5	1354	1355	1352	1351	1353	1351	1352	1355	1354	1355	1352	1351	1353	1351	1352
	10	1334	1334	1334	1334	1333	1334	1334	1334	1334	1334	1334	1334	1333	1334	1334
	15	1302	1303	1303	1303	1303	1303	1303	1303	1302	1303	1303	1303	1303	1303	1303
	20	1261	1260	1261	1260	1260	1260	1261	1260	1261	1260	1261	1260	1260	1261	1260
	25	1211	1210	1211	1209	1210	1209	1211	1210	1211	1210	1211	1209	1210	1209	1211
	30	1149	1148	1148	1149	1148	1149	1148	1148	1149	1148	1148	1149	1148	1149	1148
	35	1076	1074	1075	1075	1074	1075	1075	1074	1076	1074	1075	1075	1074	1075	1075
	40	993	993	993	993	993	993	993	993	993	993	993	993	993	993	993
	45	903	905	905	905	905	905	905	905	903	905	905	905	905	905	905
	50	809	809	810	810	809	810	810	809	809	809	810	810	809	810	809
	55	711	709	710	710	709	710	710	709	711	709	710	710	709	710	709
	60	606	605	605	606	605	606	605	606	605	606	605	606	605	606	605
	65	498	498	500	499	499	499	500	498	498	498	500	499	499	499	500
	70	391	391	393	392	392	392	393	391	391	391	393	392	392	392	393
	75	286	286	286	287	286	287	286	286	286	286	286	287	286	287	286
	80	183	181	182	183	181	183	182	181	183	181	182	183	181	183	182
	85	80	79	80	80	79	80	80	79	80	79	80	80	79	80	79
	90	9	7	7	7	7	7	7	9	7	7	7	7	7	7	7
	95	21	23	22	21	21	21	22	23	21	23	22	21	21	21	22
	100	67	66	65	62	64	62	65	66	67	66	65	62	64	62	65
	105	136	135	136	129	133	129	136	135	136	135	136	129	133	129	136
	110	216	217	220	210	214	210	220	217	216	217	220	210	214	210	220
	115	316	321	322	311	303	311	322	321	316	321	322	311	303	311	322
	120	454	457	450	441	430	441	450	457	454	457	450	441	430	441	450
	125	601	607	601	616	610	616	601	607	601	607	601	616	610	616	601
	130	740	738	742	736	736	736	742	738	740	738	742	736	736	736	742
	135	824	831	826	818	816	818	826	831	824	831	826	818	816	818	826
	140	957	961	953	927	922	927	953	961	957	961	953	927	922	927	953
	145	1125	1123	1112	1089	1081	1089	1112	1123	1125	1123	1112	1089	1081	1089	1112
	150	1283	1278	1270	1255	1252	1255	1270	1278	1283	1278	1270	1255	1252	1255	1270
	155	1396	1403	1405	1417	1433	1417	1405	1403	1396	1403	1405	1417	1433	1417	1405
	160	1512	1504	1509	1519	1528	1519	1509	1504	1512	1504	1509	1519	1528	1519	1509
	165	1566	1565	1566	1564	1567	1564	1566	1565	1566	1565	1566	1564	1567	1564	1566
	170	1591	1589	1591	1594	1602	1594	1591	1589	1591	1589	1591	1594	1602	1594	1591
	175	1605	1607	1614	1612	1609	1612	1614	1607	1605	1607	1614	1612	1609	1612	1614
	180	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612	1612

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

Vertical Angle (Degrees)	0	45	90
	0	1140	1140
	45	4617	4625
	55	4478	4472
	65	871	873
	75	429	429
	85	109	108



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	98	94	89	86	90	87	83	80	74	71	69	62	60	58	51	50	49	43
2	89	81	75	70	82	75	70	65	64	60	57	54	51	48	45	42	40	36
3	81	71	64	58	75	66	60	54	57	51	47	48	44	41	39	37	34	30
4	74	63	55	49	68	58	51	46	50	45	40	42	38	35	35	32	29	26
5	68	56	48	42	62	52	45	39	45	39	34	38	33	30	31	28	25	22
6	62	50	42	36	58	47	39	34	40	34	30	34	30	26	28	25	22	19
7	58	45	37	31	53	42	35	30	36	31	26	31	26	23	26	22	20	17
8	54	41	33	28	49	38	31	26	33	27	23	28	24	20	24	20	18	15
9	50	37	30	25	46	35	28	23	30	25	21	26	22	18	22	18	16	14
10	47	34	27	22	43	32	25	21	28	22	19	24	20	17	20	17	14	12

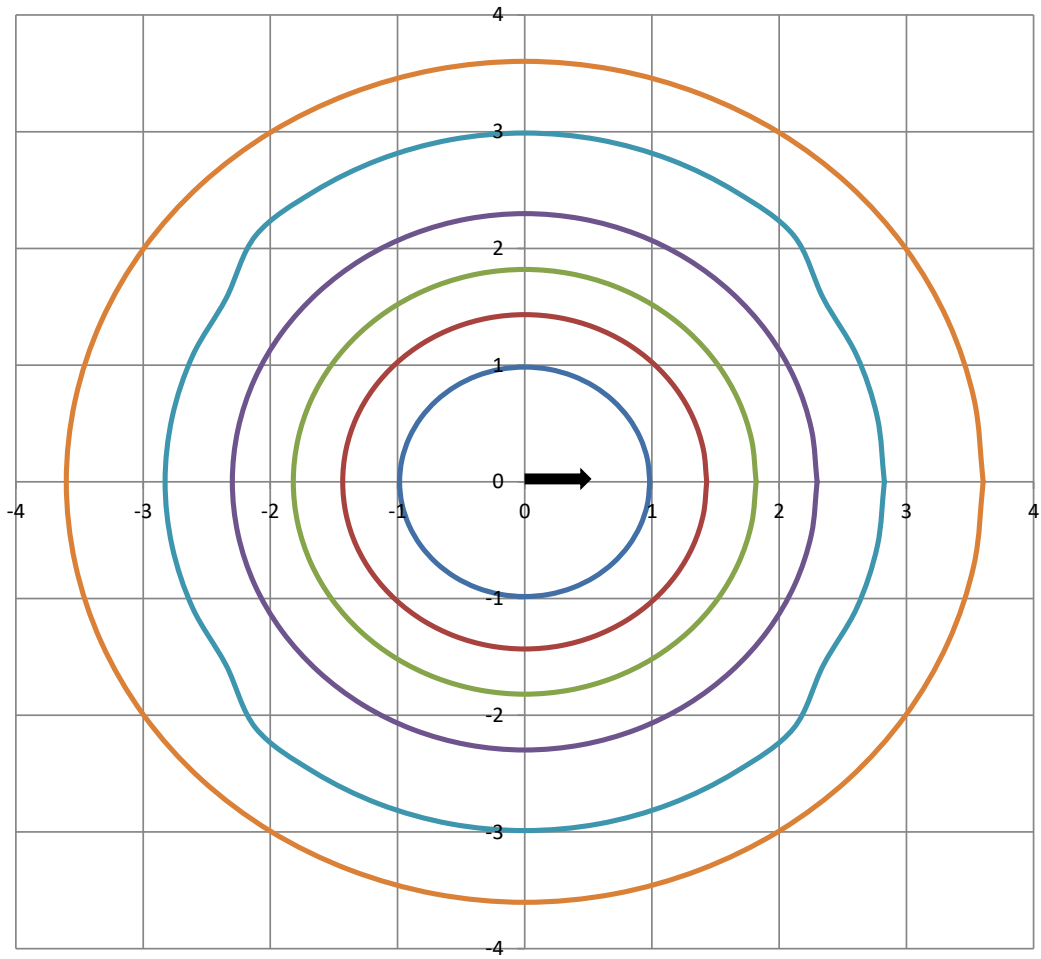
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	1359 Candela
Central Cone Intensity:	1357 Candela
Beam Flux:	5557.4 Lumens
Beam Angle (0-180):	113.1 Degrees
Beam Angle (90-270):	112.9 Degrees
Field Angle (0-180):	164.6 Degrees
Field Angle (90-270):	164.4 Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		84.9	5.02
6.00		37.7	7.53
8.00		21.2	10.0
10.0		13.6	12.6
12.0		9.44	15.1
14.0		6.93	17.6
16.0		5.31	20.1



ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

5 fc 2 fc 1 fc 0.5 fc 0.2 fc 0.1 fc