



Distribution - Goniophotometer

Distribution Test Conditions

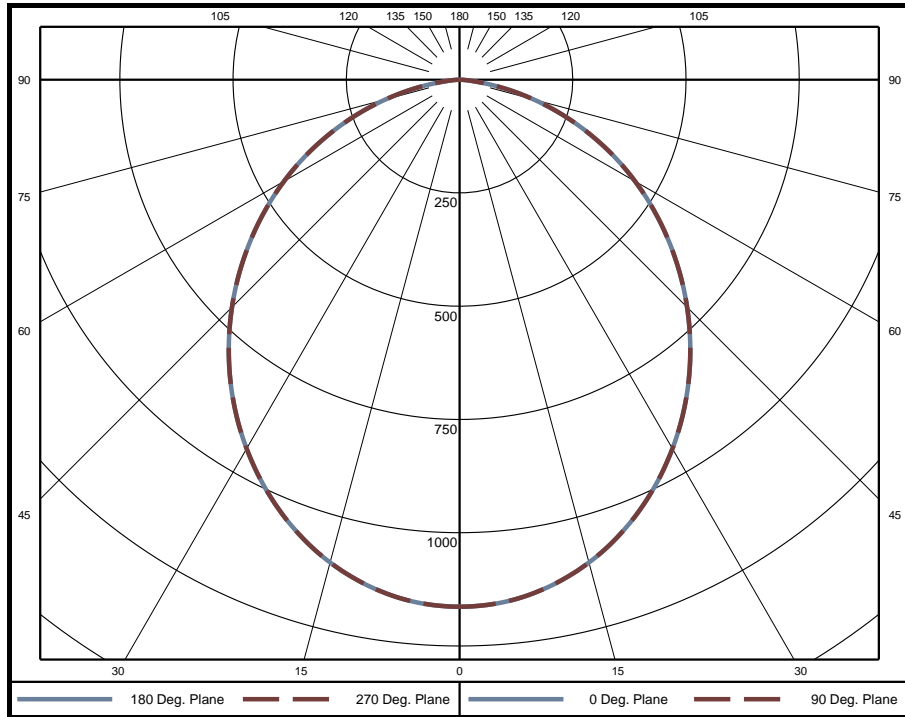
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.7 °C	120.0 VAC	0.3869 A	45.89 W	0.989	60 Hz	5.65 %

Summary of Results

Spacing Criteria
 0-180: 1.20
 90-270: 1.20

Total Lumen Output: 3015 Lumens
Luminaire Efficacy: 65.7 lm/w
Maximum Candela: 1163 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	27.7	0.9%	60-65	194.6	6.5%	120-125	0	0.0%
5-10	82.0	2.7%	65-70	155.9	5.2%	125-130	0	0.0%
10-15	132.9	4.4%	70-75	112.8	3.7%	130-135	0	0.0%
15-20	178.2	5.9%	75-80	67.7	2.2%	135-140	0	0.0%
20-25	216.3	7.2%	80-85	26.7	0.9%	140-145	0	0.0%
25-30	245.9	8.2%	85-90	4.8	0.2%	145-150	0	0.0%
30-35	266.4	8.8%	90-95	0	0.0%	150-155	0	0.0%
35-40	277.1	9.2%	95-100	0	0.0%	155-160	0	0.0%
40-45	278.0	9.2%	100-105	0	0.0%	160-165	0	0.0%
45-50	269.5	8.9%	105-110	0	0.0%	165-170	0	0.0%
50-55	252.2	8.4%	110-115	0	0.0%	170-175	0	0.0%
55-60	227.0	7.5%	115-120	0	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	1427	47.3%
0-60	2453	81.4%
0-90	3016	100.0%
90-180	0	0.0%



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	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163	1163
	5	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157	1157
	10	1136	1136	1136	1136	1136	1136	1136	1136	1136	1136	1136	1136	1136	1136	1136
	15	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103	1103
	20	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059	1059
	25	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003	1003
	30	940	940	940	940	940	940	940	940	940	940	940	940	940	940	940
	35	869	869	869	869	869	869	869	869	869	869	869	869	869	869	869
	40	792	792	792	792	792	792	792	792	792	792	792	792	792	792	792
	45	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710
	50	624	624	624	624	624	624	624	624	624	624	624	624	624	624	624
	55	536	536	536	536	536	536	536	536	536	536	536	536	536	536	536
	60	446	446	446	446	446	446	446	446	446	446	446	446	446	446	446
	65	355	355	355	355	355	355	355	355	355	355	355	355	355	355	355
	70	262	262	262	262	262	262	262	262	262	262	262	262	262	262	262
	75	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170
	80	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
	85	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

Vertical Angle (Degrees)	0	45	90
	0	4744	4744
	45	4094	4094
	55	3812	3812
	65	3421	3421
	75	2682	2682
	85	1045	1045



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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

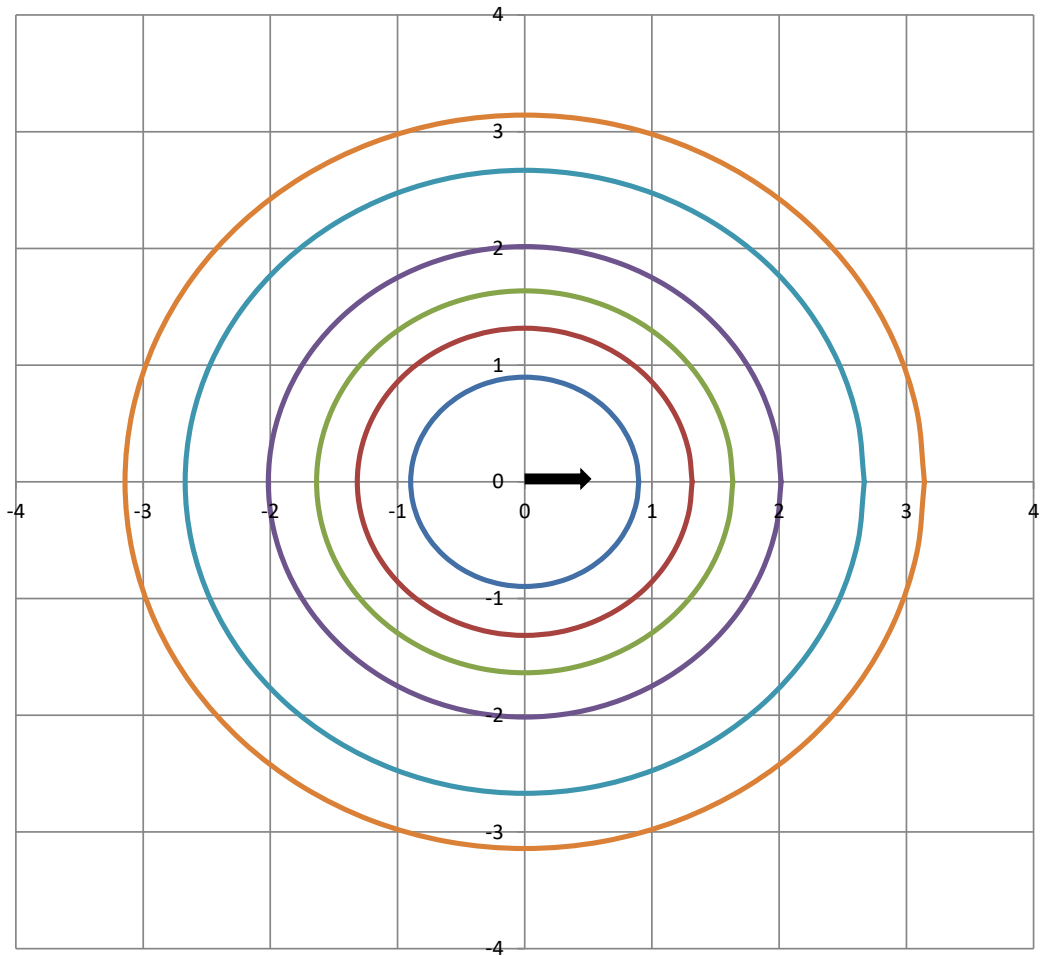
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	1163 Candela
Central Cone Intensity:	1161 Candela
Beam Flux:	2100.0 Lumens
Beam Angle (0-180):	104.9 Degrees
Beam Angle (90-270):	104.9 Degrees
Field Angle (0-180):	156.2 Degrees
Field Angle (90-270):	156.2 Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		72.7	4.82
6.00		32.3	7.23
8.00		18.2	9.64
10.0		11.6	12.0
12.0		8.08	14.5
14.0		5.94	16.9
16.0		4.54	19.3



ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

