



Distribution - Goniophotometer

Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.6 °C	120.1 VAC	0.6684 A	79.92 W	0.996	60 Hz	4.49 %

Summary of Results

Spacing Criteria

0-180: 1.26

90-270: 1.26

Total Lumen Output:

3945 Lumens

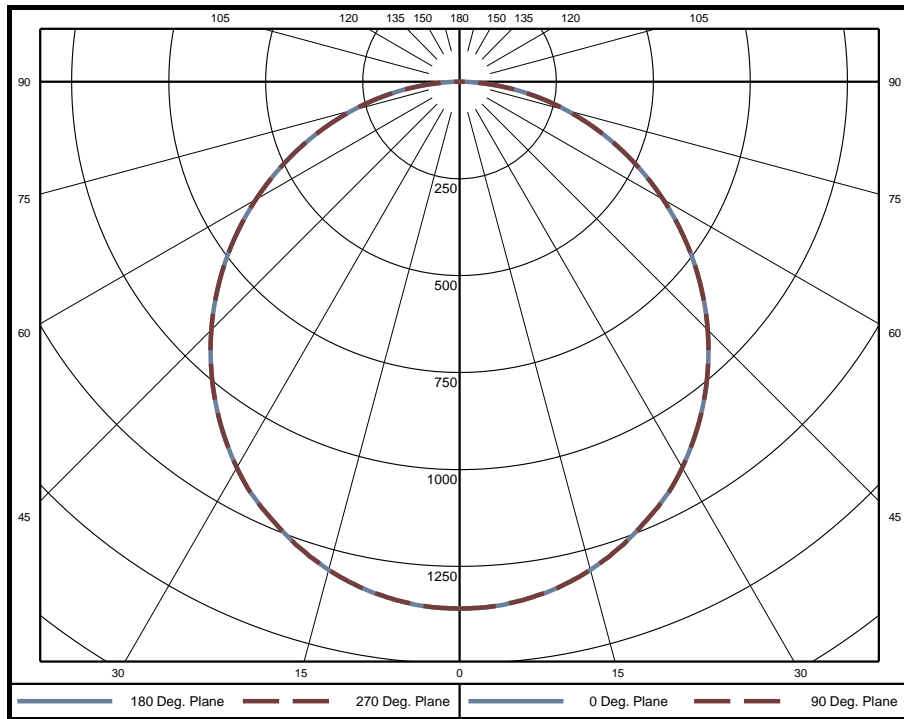
Luminaire Efficacy:

49.4 lm/w

Maximum Candela:

1359 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	32.4	0.8%	60-65	268.3	6.8%	120-125	0	0.0%
5-10	96.1	2.4%	65-70	225.4	5.7%	125-130	0	0.0%
10-15	156.4	4.0%	70-75	177.0	4.5%	130-135	0	0.0%
15-20	211.3	5.4%	75-80	125.2	3.2%	135-140	0	0.0%
20-25	258.9	6.6%	80-85	70.9	1.8%	140-145	0	0.0%
25-30	298.6	7.6%	85-90	20.3	0.5%	145-150	0	0.0%
30-35	327.3	8.3%	90-95	0	0.0%	150-155	0	0.0%
35-40	345.0	8.7%	95-100	0	0.0%	155-160	0	0.0%
40-45	351.3	8.9%	100-105	0	0.0%	160-165	0	0.0%
45-50	346.3	8.8%	105-110	0	0.0%	165-170	0	0.0%
50-55	330.3	8.4%	110-115	0	0.0%	170-175	0	0.0%
55-60	303.8	7.7%	115-120	0	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	1726	43.8%
0-60	3058	77.5%
0-90	3945	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	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359	1359
	5	1353	1353	1353	1353	1353	1353	1353	1353	1353	1353	1353	1353	1353	1353	1353
	10	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334	1334
	15	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303	1303
	20	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260	1260
	25	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210	1210
	30	1148	1148	1148	1148	1148	1148	1148	1148	1148	1148	1148	1148	1148	1148	1148
	35	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
	40	993	993	993	993	993	993	993	993	993	993	993	993	993	993	993
	45	905	905	905	905	905	905	905	905	905	905	905	905	905	905	905
	50	810	810	810	810	810	810	810	810	810	810	810	810	810	810	810
	55	709	709	709	709	709	709	709	709	709	709	709	709	709	709	709
	60	605	605	605	605	605	605	605	605	605	605	605	605	605	605	605
	65	499	499	499	499	499	499	499	499	499	499	499	499	499	499	499
	70	392	392	392	392	392	392	392	392	392	392	392	392	392	392	392
	75	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
	80	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182
	85	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
	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	1140	1140
	45	4624	4624
	55	4470	4470
	65	872	872
	75	429	429
	85	108	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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	44	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

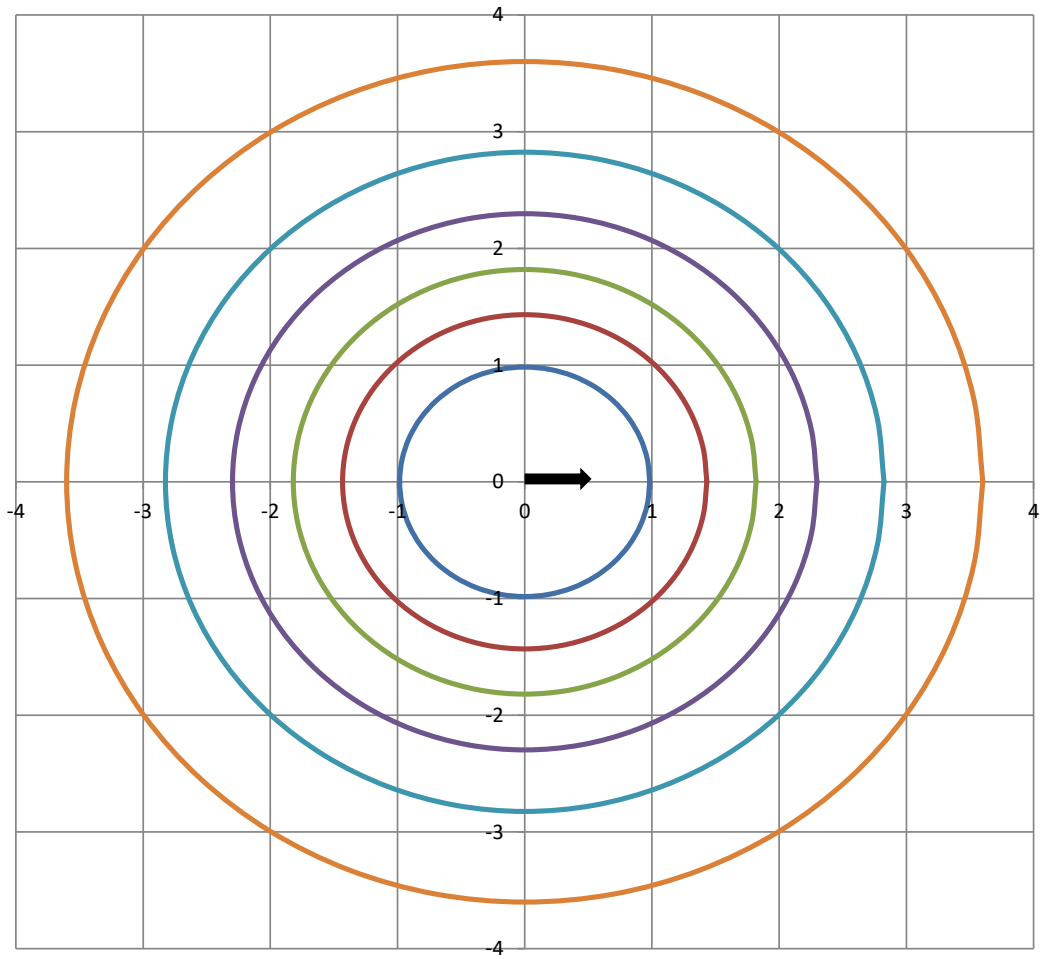
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	1359 Candela
Central Cone Intensity:	1357 Candela
Beam Flux:	2845.0 Lumens
Beam Angle (0-180):	112.9 Degrees
Beam Angle (90-270):	112.9 Degrees
Field Angle (0-180):	164.5 Degrees
Field Angle (90-270):	164.5 Degrees

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