



Distribution - Goniophotometer

Distribution Test Conditions

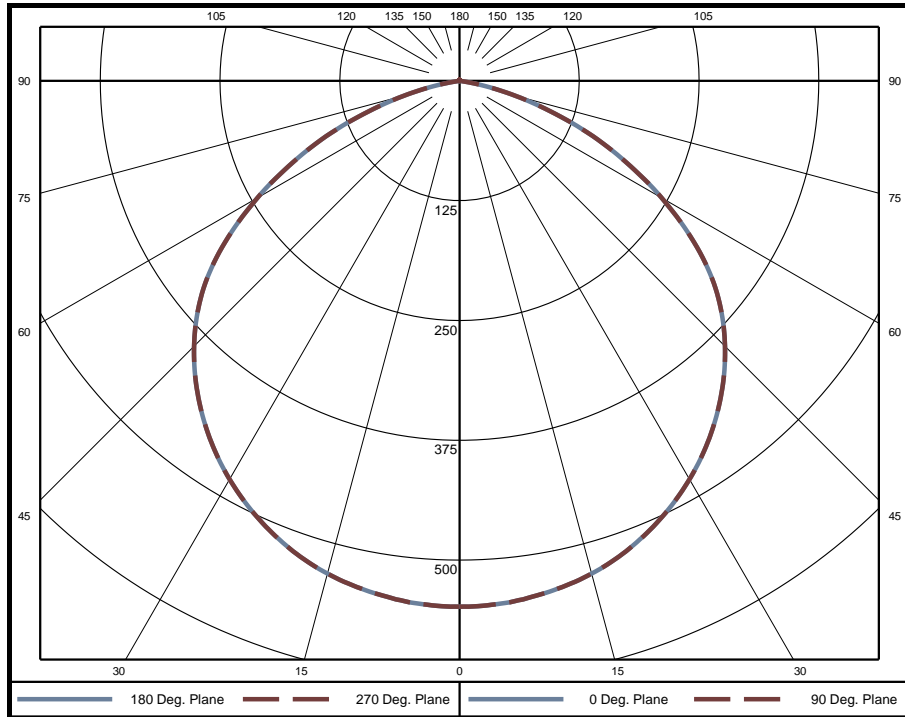
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.0 °C	120.1 VAC	0.1075 A	12.43 W	0.963	60 Hz	10.9 %

Summary of Results

Spacing Criteria
 0-180: 1.30
 90-270: 1.30

Total Lumen Output: 1538 Lumens
Luminaire Efficacy: 123.8 lm/w
Maximum Candela: 549 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	13.1	0.9%	60-65	103.0	6.7%	120-125	0	0.0%
5-10	38.9	2.5%	65-70	76.0	4.9%	125-130	0	0.0%
10-15	63.7	4.1%	70-75	46.3	3.0%	130-135	0	0.0%
15-20	86.7	5.6%	75-80	19.8	1.3%	135-140	0	0.0%
20-25	107.0	7.0%	80-85	2.9	0.2%	140-145	0	0.0%
25-30	124.2	8.1%	85-90	0.3	0.0%	145-150	0	0.0%
30-35	137.7	9.0%	90-95	0	0.0%	150-155	0	0.0%
35-40	146.9	9.6%	95-100	0	0.0%	155-160	0	0.0%
40-45	151.4	9.8%	100-105	0	0.0%	160-165	0	0.0%
45-50	150.6	9.8%	105-110	0	0.0%	165-170	0	0.0%
50-55	142.9	9.3%	110-115	0	0.0%	170-175	0	0.0%
55-60	126.2	8.2%	115-120	0	0.0%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	718	46.7%
0-60	1289	83.8%
0-90	1538	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	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7
	5	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9	546.9
	10	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2	541.2
	15	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4	532.4
	20	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1
	25	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5
	30	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1	480.1
	35	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9	454.9
	40	425.4	425.4	425.4	425.4	425.4	425.4	425.4	425.4	425.4	425.4	425.4	425.4	425.4	425.4	425.4
	45	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9	391.9
	50	352.7	352.7	352.7	352.7	352.7	352.7	352.7	352.7	352.7	352.7	352.7	352.7	352.7	352.7	352.7
	55	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6	302.6
	60	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1	243.1
	65	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2	181.2
	70	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5
	75	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
	80	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3
	85	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Vertical Angle (Degrees)	Horizontal Angle (Degrees)			
	0	45	90	
	0	30080	30080	30080
	45	30390	30390	30390
	55	28930	28930	28930
	65	23500	23500	23500
	75	12890	12890	12890
	85	668	668	668



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	110	105	102	98	107	103	100	97	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	64	56	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	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

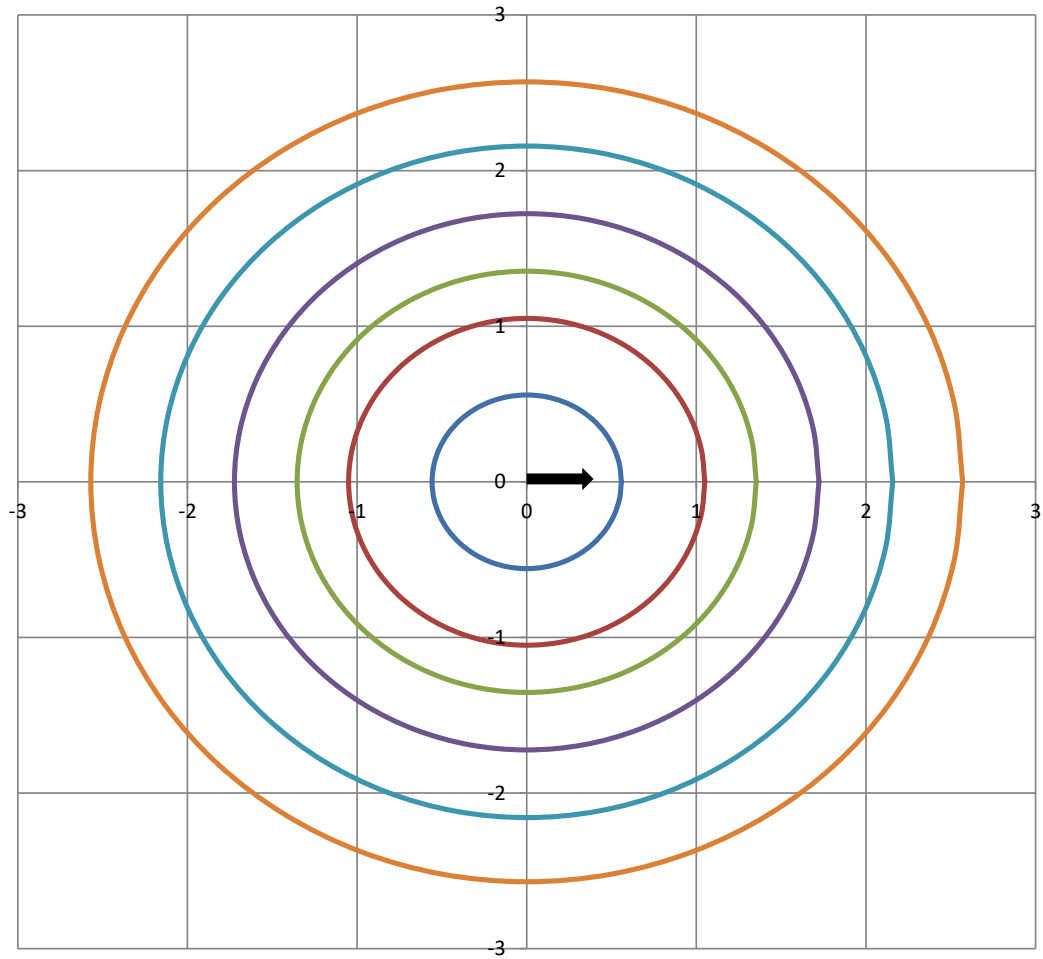
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	548.7 Candela
Central Cone Intensity:	548 Candela
Beam Flux:	1227.5 Lumens
Beam Angle (0-180):	114.8 Degrees
Beam Angle (90-270):	114.8 Degrees
Field Angle (0-180):	151.2 Degrees
Field Angle (90-270):	151.2 Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		34.3	5.20
6.00		15.2	7.80
8.00		8.57	10.4
10.0		5.49	13.0
12.0		3.81	15.6
14.0		2.80	18.2
16.0		2.14	20.8



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