



Distribution - Goniophotometer

Distribution Test Conditions

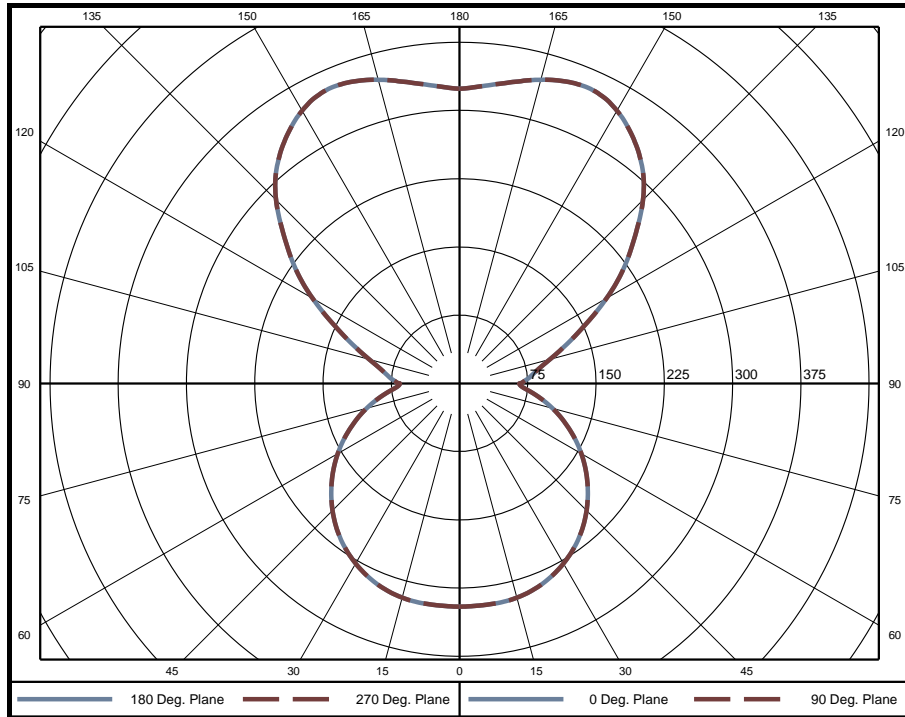
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.2 °C	120.0 VAC	0.1950 A	23.08 W	0.986	60 Hz	7.95 %

Summary of Results

Spacing Criteria
 0-180: 1.38
 90-270: 1.38

Total Lumen Output: 2236 Lumens
Luminaire Efficacy: 96.9 lm/w
Maximum Candela: 354 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	5.9	0.3%	60-65	71.3	3.2%	120-125	94.1	4.2%
5-10	17.5	0.8%	65-70	66.0	3.0%	125-130	102.6	4.6%
10-15	29.0	1.3%	70-75	59.6	2.7%	130-135	108.5	4.9%
15-20	39.9	1.8%	75-80	52.2	2.3%	135-140	110.8	5.0%
20-25	49.9	2.2%	80-85	44.1	2.0%	140-145	107.4	4.8%
25-30	58.7	2.6%	85-90	37.4	1.7%	145-150	99.9	4.5%
30-35	66.1	3.0%	90-95	39.6	1.8%	150-155	88.7	4.0%
35-40	71.7	3.2%	95-100	44.6	2.0%	155-160	74.2	3.3%
40-45	75.4	3.4%	100-105	50.7	2.3%	160-165	57.6	2.6%
45-50	77.1	3.4%	105-110	59.4	2.7%	165-170	40.5	1.8%
50-55	77.0	3.4%	110-115	70.0	3.1%	170-175	23.8	1.1%
55-60	75.0	3.4%	115-120	82.2	3.7%	175-180	7.8	0.3%

Zone	Lumens	% of Luminaire
0-40	339	15.1%
0-60	643	28.8%
0-90	974	43.6%
90-180	1262	56.5%



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	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3	245.3
	5	245.1	245.1	245.1	245.1	245.1	245.1	245.1	245.1	245.1	245.1	245.1	245.1	245.1	245.1	245.1
	10	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0	245.0
	15	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7	243.7
	20	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5	240.5
	25	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4	235.4
	30	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5	228.5
	35	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9
	40	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6
	45	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6	197.6
	50	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1	184.1
	55	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9	169.9
	60	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7	154.7
	65	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7
	70	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3
	75	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8
	80	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
	85	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
	90	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
	95	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
	100	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
	105	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2	103.2
	110	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2	125.2
	115	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5	152.5
	120	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3	186.3
	125	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3	220.3
	130	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9	251.9
	135	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3	285.3
	140	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1	312.1
	145	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5
	150	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1
	155	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8	353.8
	160	352.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4	352.4
	165	345.3	345.3	345.3	345.3	345.3	345.3	345.3	345.3	345.3	345.3	345.3	345.3	345.3	345.3	345.3
	170	336.3	336.3	336.3	336.3	336.3	336.3	336.3	336.3	336.3	336.3	336.3	336.3	336.3	336.3	336.3
	175	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4	328.4
	180	323.8	323.8	323.8	323.8	323.8	323.8	323.8	323.8	323.8	323.8	323.8	323.8	323.8	323.8	323.8

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

Vertical Angle (Degrees)	0	45	90
	0	1675	1675
	45	2099	2099
	55	1711	1711
	65	1381	1381
	75	1080	1080
	85	795	795



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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	95	90	85	81	86	82	78	75	67	65	62	54	52	50	42	40	39	33
2	85	77	71	65	78	71	65	60	58	54	50	46	43	41	36	34	32	26
3	78	67	59	53	70	62	55	49	51	45	41	40	37	33	31	28	26	22
4	71	59	51	44	64	54	47	41	45	39	35	36	32	28	27	24	22	18
5	65	52	44	38	59	48	40	35	40	34	29	32	27	24	24	21	19	15
6	59	47	38	32	54	43	35	30	35	30	25	29	24	21	22	19	16	13
7	55	42	34	28	50	39	31	26	32	26	22	26	21	18	20	17	14	12
8	51	38	30	25	46	35	28	23	29	23	19	24	19	16	18	15	13	10
9	47	35	27	22	43	32	25	20	27	21	17	22	17	14	17	14	11	9
10	44	32	24	19	40	29	22	18	24	19	15	20	16	13	16	12	10	8

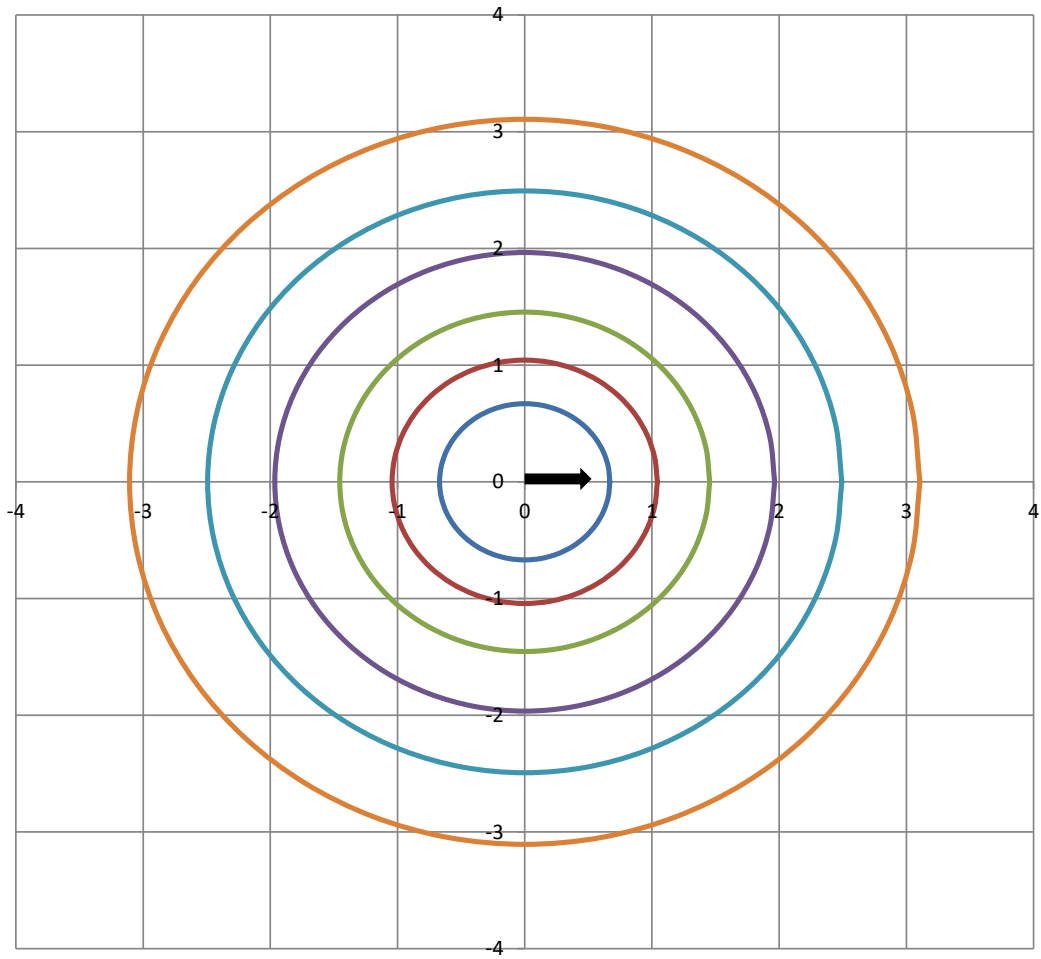
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	245.3 Candela
Central Cone Intensity:	245 Candela
Beam Flux:	1853.8 Lumens
Beam Angle (0-180):	139.8 Degrees
Beam Angle (90-270):	139.8 Degrees
Field Angle (0-180):	#REF! Degrees
Field Angle (90-270):	#REF! Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		15.3	5.53
6.00		6.81	8.30
8.00		3.83	11.1
10.0		2.45	13.8
12.0		1.70	16.6
14.0		1.25	19.4
16.0		0.958	22.1



ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

— 2 fc — 1 fc — 0.5 fc — 0.2 fc — 0.1 fc — 0.05 fc