



Distribution - Goniophotometer

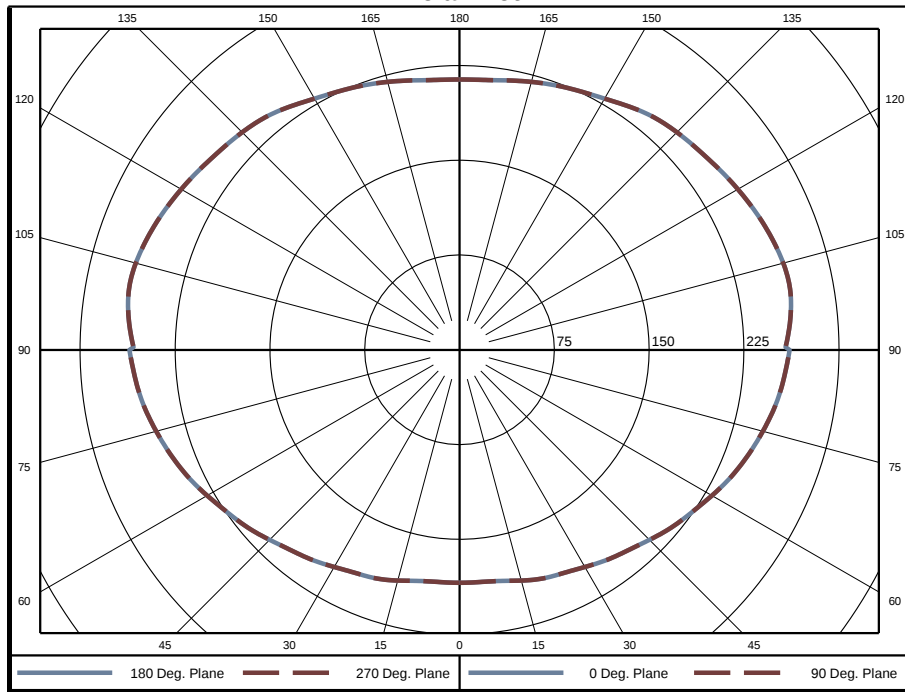
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.0 VAC	0.1977 A	23.45 W	0.988	60 Hz	5.68 %

Summary of Results

Spacing Criteria	Total Lumen Output:	3004 Lumens
0-180: 1.69	Luminaire Efficacy:	128.1 lm/w
90-270: 1.69	Maximum Candela:	266 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)		
Crosswise: 17.4	Endwise: 17.4	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	4.4	0.1%	60-65	113.7	3.8%	120-125	116.6	3.9%
5-10	13.2	0.4%	65-70	121.6	4.0%	125-130	107.9	3.6%
10-15	22.2	0.7%	70-75	128.4	4.3%	130-135	98.9	3.3%
15-20	31.4	1.0%	75-80	134.3	4.5%	135-140	89.5	3.0%
20-25	40.6	1.4%	80-85	138.9	4.6%	140-145	79.2	2.6%
25-30	49.7	1.7%	85-90	142.0	4.7%	145-150	68.4	2.3%
30-35	59.1	2.0%	90-95	142.4	4.7%	150-155	57.6	1.9%
35-40	68.4	2.3%	95-100	143.6	4.8%	155-160	47.0	1.6%
40-45	77.6	2.6%	100-105	142.2	4.7%	160-165	36.5	1.2%
45-50	87.1	2.9%	105-110	137.8	4.6%	165-170	25.9	0.9%
50-55	96.2	3.2%	110-115	131.8	4.4%	170-175	15.4	0.5%
55-60	105.0	3.5%	115-120	124.6	4.1%	175-180	5.1	0.2%

Zone	Lumens	% of Luminaire
0-40	289	9.6%
0-60	655	21.8%
0-90	1434	47.7%
90-180	1570	52.3%



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	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
	5	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2
	10	185.5	185.5	185.5	185.5	185.5	185.5	185.5	185.5	185.5	185.5	185.5	185.5	185.5	185.5	185.5
	15	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8	188.8
	20	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3	192.3
	25	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6	194.6
	30	198.1	198.1	198.1	198.1	198.1	198.1	198.1	198.1	198.1	198.1	198.1	198.1	198.1	198.1	198.1
	35	202.8	202.8	202.8	202.8	202.8	202.8	202.8	202.8	202.8	202.8	202.8	202.8	202.8	202.8	202.8
	40	206.9	206.9	206.9	206.9	206.9	206.9	206.9	206.9	206.9	206.9	206.9	206.9	206.9	206.9	206.9
	45	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3	212.3
	50	218.5	218.5	218.5	218.5	218.5	218.5	218.5	218.5	218.5	218.5	218.5	218.5	218.5	218.5	218.5
	55	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0	224.0
	60	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4	230.4
	65	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1	237.1
	70	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9	242.9
	75	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3	248.3
	80	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5
	85	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5	257.5
	90	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0	261.0
	95	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4
	100	265.7	265.7	265.7	265.7	265.7	265.7	265.7	265.7	265.7	265.7	265.7	265.7	265.7	265.7	265.7
	105	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1	265.1
	110	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1	262.1
	115	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3	258.3
	120	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2	254.2
	125	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
	130	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3	246.3
	135	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3	243.3
	140	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9	239.9
	145	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8
	150	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5	229.5
	155	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7	225.7
	160	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6
	165	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4	219.4
	170	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5
	175	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4	214.4
	180	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9	213.9

Average Luminance (cd/m²)

Horizontal Angle (Degrees)

Vertical Angle (Degrees)	0	45	90
	0	1854	1854
	45	1330	1330
	55	1396	1396
	65	1514	1514
	75	1680	1680
	85	1912	1912



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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	48
1	93	86	81	76	84	79	74	70	65	61	58	52	49	47	41	38	36	31
2	83	73	65	58	75	67	60	54	55	49	45	43	39	36	33	30	27	22
3	74	63	54	47	67	57	49	43	47	41	36	37	32	28	28	25	22	17
4	68	55	45	38	61	50	42	35	41	34	29	32	27	23	24	21	18	14
5	62	48	39	32	56	44	36	30	36	29	24	29	23	20	22	18	15	11
6	56	43	34	27	51	39	31	25	32	26	21	26	20	17	19	15	12	9
7	52	38	30	23	47	35	27	22	29	23	18	23	18	14	17	14	11	8
8	48	35	26	20	44	32	24	19	26	20	16	21	16	13	16	12	9	7
9	45	31	23	18	41	29	22	17	24	18	14	19	14	11	15	11	8	6
10	42	29	21	16	38	26	19	15	22	16	12	18	13	10	14	10	7	5

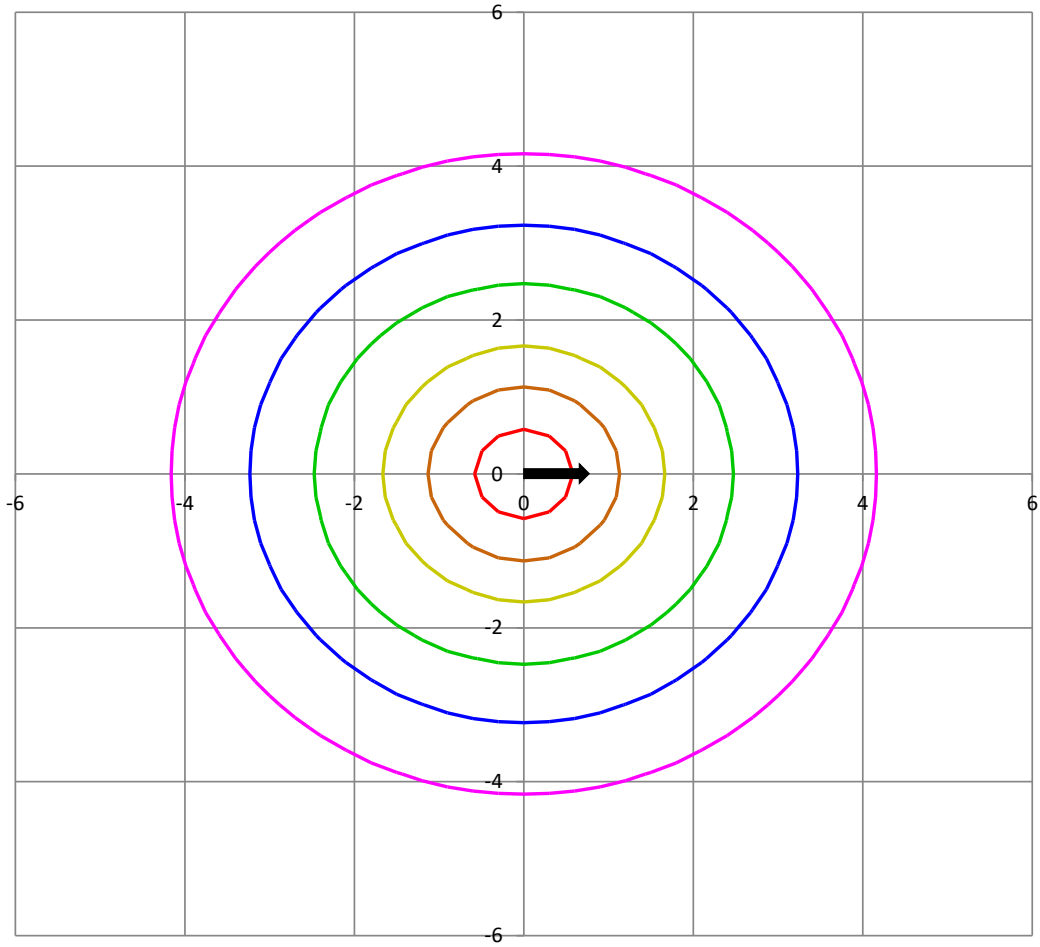
Beam and Field Information	
CIE Type:	Direct/Indirect
Center Beam Intensity:	184.1 Candela
Central Cone Intensity:	N/A Candela
Beam Flux:	3004.2 Lumens
Beam Angle (0-180):	N/A Degrees
Beam Angle (90-270):	N/A Degrees
Field Angle (0-180):	N/A Degrees
Field Angle (90-270):	N/A Degrees

Cone of Light Tabulation			
Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		11.5	6.78
6.00		5.11	10.2
8.00		2.88	13.6
10.0		1.84	16.9
12.0		1.28	20.3
14.0		0.939	23.7
16.0		0.719	27.1



ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

