

Distribution - Goniophotometer

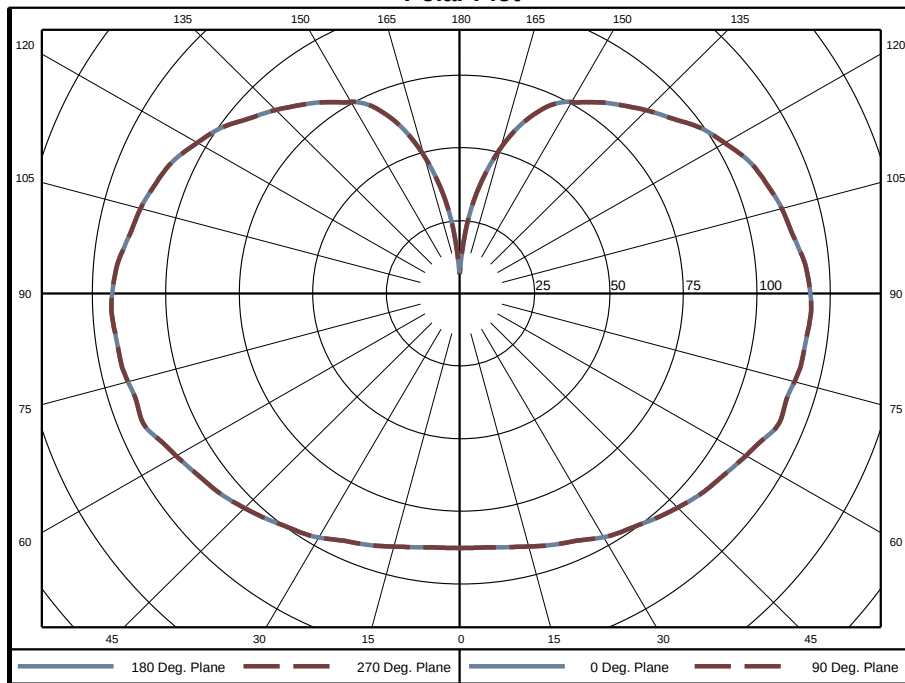
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.6 °C	120.0 VAC	0.09120 A	10.87 W	0.993	60 Hz	5.68 %

Summary of Results

Spacing Criteria	Total Lumen Output:	1297 Lumens
0-180: 1.74	Luminaire Efficacy:	119.4 lm/w
90-270: 1.74	Maximum Candela:	119 Candela
Corrected UGR (Room Dimension: X=4H, Y=8H, Reflectances: 70/50/20%, S/H: 1)		
Crosswise: 19.5	Endwise: 19.5	

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	2.09	0.2%	60-65	55.05	4.2%	120-125	46.89	3.6%
5-10	6.31	0.5%	65-70	58.98	4.5%	125-130	41.94	3.2%
10-15	10.60	0.8%	70-75	60.92	4.7%	130-135	36.91	2.8%
15-20	15.01	1.2%	75-80	63.01	4.9%	135-140	32.14	2.5%
20-25	19.48	1.5%	80-85	64.25	5.0%	140-145	27.52	2.1%
25-30	24.12	1.9%	85-90	65.04	5.0%	145-150	22.97	1.8%
30-35	28.87	2.2%	90-95	64.55	5.0%	150-155	18.71	1.4%
35-40	33.43	2.6%	95-100	62.92	4.9%	155-160	14.06	1.1%
40-45	38.09	2.9%	100-105	60.74	4.7%	160-165	9.38	0.7%
45-50	42.65	3.3%	105-110	58.32	4.5%	165-170	5.23	0.4%
50-55	46.92	3.6%	110-115	55.28	4.3%	170-175	2.11	0.2%
55-60	50.98	3.9%	115-120	51.37	4.0%	175-180	0.34	0.0%

Zone	Lumens	% of Luminaire
0-40	140	10.8%
0-60	319	24.6%
0-90	686	52.9%
90-180	611	47.1%

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	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
	5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
	10	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
	15	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
	20	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
	25	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
	30	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
	35	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	40	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5	101.5
	45	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2	104.2
	50	106.8	106.8	106.8	106.8	106.8	106.8	106.8	106.8	106.8	106.8	106.8	106.8	106.8	106.8	106.8
	55	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9
	60	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7	111.7
	65	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
	70	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6
	75	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
	80	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0
	85	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6	118.6
	90	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
	95	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
	100	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4	114.4
	105	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7
	110	110.3	110.3	110.3	110.3	110.3	110.3	110.3	110.3	110.3	110.3	110.3	110.3	110.3	110.3	110.3
	115	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7
	120	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4
	125	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
	130	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	135	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
	140	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
	145	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
	150	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
	155	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
	160	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
	165	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
	170	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
	175	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1
	180	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8

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

Vertical Angle (Degrees)	0	45	90
	0	3071	3071
	45	2274	2274
	55	2364	2364
	65	2563	2563
	75	2762	2762
	85	3070	3070



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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	93	87	81	76	86	80	75	70	67	63	60	55	52	49	44	42	40	34
2	83	73	65	58	76	67	60	54	56	51	46	46	41	38	36	33	30	25
3	75	63	54	47	68	58	50	43	48	42	36	39	34	30	31	27	24	19
4	68	55	45	38	62	50	42	35	42	35	30	34	29	24	27	23	19	15
5	62	48	39	32	56	44	36	29	37	30	25	30	25	20	23	19	16	13
6	57	43	34	27	52	39	31	25	33	26	21	27	21	17	21	17	14	10
7	52	38	30	23	48	35	27	22	30	23	18	24	19	15	19	15	12	9
8	48	35	26	20	44	32	24	19	27	20	16	22	17	13	17	13	10	8
9	45	32	23	18	41	29	22	16	24	18	14	20	15	11	16	12	9	7
10	42	29	21	16	38	27	19	15	22	16	12	18	14	10	15	11	8	6

Beam and Field Information

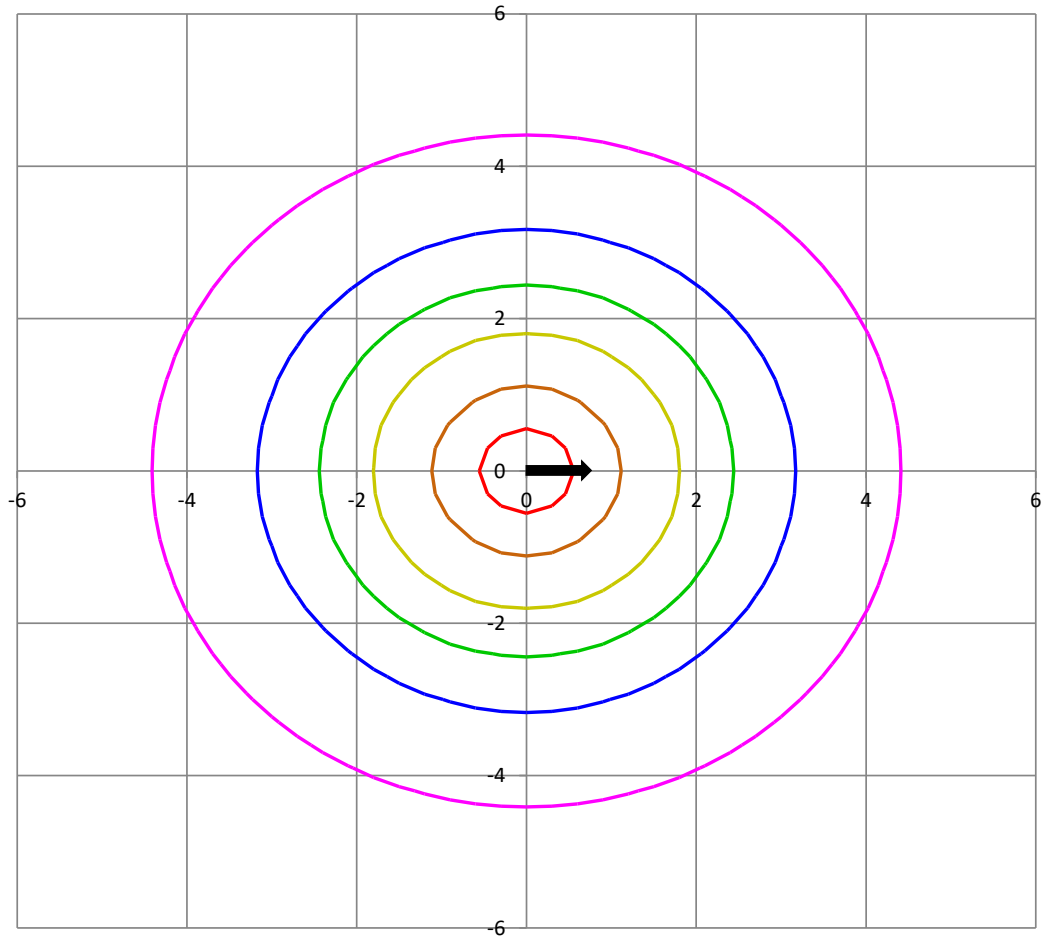
CIE Type:	Direct/Indirect
Center Beam Intensity:	87.5 Candela
Central Cone Intensity:	88 Candela
Beam Flux:	1292.5 Lumens
Beam Angle (0-180):	334.9 Degrees
Beam Angle (90-270):	334.9 Degrees
Field Angle (0-180):	357.0 Degrees
Field Angle (90-270):	357.0 Degrees

Cone of Light Tabulation

Mounting Height (Feet)		Footcandles at Nadir	Diameter (Feet)
4.00		5.47	6.97
6.00		2.43	10.5
8.00		1.37	13.9
10.0		0.875	17.4
12.0		0.608	20.9
14.0		0.447	24.4
16.0		0.342	27.9

ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

