Picasso Lighting

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLD-2-PF-4-D5-I5-30-80-FW-W.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 13313159.01
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 10/29/2023JS
[MANUFAC] Picasso Lighting Industries
[LUMCAT] BLD-2-PF-4-D5-I5-30-80-FW-W
[LUMINAIRE] Formed White aluminum housing, plastic lens enclosures
[LAMP] 96 White LEDs down, 96 White LEDs up
[BALLAST] Two ERP PSB50W-1200-42-S Driver
[OTHER] 24.4 C, 119.989 V, 0.476329 A, 44.04 W, 0.974777 PF, 59.9705
[MORE] Hz
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4000
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	44.04
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.33 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12867	4702	3773
55	11935	3516	2765
65	10678	2430	1888
75	8787	1424	1098
85	5260	522	433

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	704.93	704.93	704.93	704.93	704.93
0.5	704.14	705.63	702.83	704.14	709.46
1.0	704.06	705.54	702.75	704.14	709.29
1.5	703.88	705.45	702.57	703.97	709.03
2.0	703.53	705.19	702.49	703.79	708.59
2.5	703.27	704.84	702.22	703.45	708.16
3.0	702.83	704.40	701.96	703.10	707.46
3.5	702.22	703.97	701.61	702.66	706.76
4.0	701.70	703.45	701.18	702.14	706.06
4.5	701.09	702.92	700.65	701.61	705.36
5.0	700.48	702.31	700.04	700.92	704.67
5.5	699.78	701.61	699.35	700.22	703.88
6.0	699.00	700.83	698.47	699.43	703.10
6.5	698.30	700.04	697.60	698.56	702.14
7.0	697.17	699.17	696.64	697.69	701.18
7.5	696.12	698.12	695.51	696.55	700.22
8.0	695.16	697.08	694.29	695.51	699.00
8.5	694.11	695.94	693.15	694.37	697.78
9.0	692.89	694.64	691.84	693.15	696.38
9.5	691.67	693.33	690.45	691.76	694.90
10.0	690.27	692.02	689.05	690.27	693.24
10.5	688.88	690.54	687.66	688.62	691.58
11.0	687.40	688.88	686.18	686.96	689.58
11.5	685.91	687.40	684.61	685.22	687.75
12.0	684.26	685.74	682.95	683.38	685.74
12.5	682.69	684.08	681.38	681.47	683.73
13.0	680.85	682.34	679.55	679.46	681.64
13.5	679.11	680.59	677.71	677.45	679.46
14.0	677.19	678.76	675.88	675.36	677.37
14.5	675.27	676.84	673.88	673.18	675.10
15.0	673.27	674.84	671.87	671.00	672.92
15.5	671.35	672.83	669.78	668.73	670.74
16.0	669.17	670.74	667.60	666.46	668.47
16.5	667.07	668.64	665.42	664.11	666.20
17.0	664.81	666.46	663.06	661.75	663.85
17.5	662.54	664.11	660.71	659.31	661.40
18.0	660.27	661.75	658.26	656.69	658.87
18.5	657.83	659.31	655.73	654.16	656.35
19.0	655.47	656.78	653.12	651.46	653.73
19.5	652.94	654.16	650.59	648.67	651.20
20.0	650.33	651.46	647.80	645.88	648.41
20.5	647.62	648.76	645.01	643.00	645.70
21.0	645.01	645.97	642.13	640.21	643.00
21.5	642.30	643.09	639.34	637.24	640.12
22.0	639.51	640.21	636.28	634.28	637.16
22.5	636.55	637.16	633.23	631.31	634.10
23.0	633.75	634.19	630.09	628.26	630.79
23.5	630.79	631.14	627.04	625.21	627.56
24.0	627.82	628.00	623.81	621.98	624.42
24.5	624.68	624.86	620.50	618.75	621.19
25.0	621.54	621.72	617.18	615.53	617.88
25.5	618.32	618.49	613.96	612.21	614.65
26.0	615.09	615.00	610.47	608.90	611.16
26.5	611.77	611.69	607.06	605.49	607.76

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CANDELA TABULATION - (Cont.)

27.0	608.37	608.20	603.58	601.83	604.19
27.5	604.97	604.71	600.09	598.34	600.70
28.0	601.48	601.05	596.60	594.68	597.21
28.5	597.82	597.38	593.02	591.10	593.46
29.0	594.16	593.72	589.36	587.35	589.80
29.5	590.67	589.97	585.70	583.60	586.13
30.0	586.92	586.22	582.03	579.85	582.47
30.5	583.34	582.29	578.37	576.01	578.72
31.0	579.68	578.37	574.62	572.26	574.71
31.5	575.93	574.44	570.78	568.43	570.78
32.0	572.26	570.52	567.03	564.41	566.86
32.5	568.34	566.51	563.11	560.49	563.11
33.0	564.50	562.41	559.18	556.48	559.18
33.5	560.58	558.40	555.26	552.64	555.17
34.0	556.56	554.21	551.33	548.63	551.07
34.5	552.55	550.02	547.23	544.61	546.97
35.0	548.45	545.92	543.13	540.43	543.04
35.5	544.35	541.74	539.21	536.24	539.12
36.0	540.17	537.46	535.11	532.05	535.02
36.5	535.98	533.19	530.92	527.87	530.92
37.0	531.62	529.00	526.73	523.59	526.73
37.5	527.26	524.64	522.46	519.32	522.46
38.0	522.90	520.28	518.19	515.13	518.36
38.5	518.53	515.83	513.91	510.95	514.00
39.0	514.00	511.38	509.55	506.67	509.38
39.5	509.64	506.76	505.19	502.31	504.93
40.0	505.02	502.31	501.00	497.86	500.57
40.5	500.48	497.69	496.55	493.50	495.94
41.0	495.77	493.07	492.11	488.97	491.58
41.5	491.15	488.53	487.57	484.52	486.96
42.0	486.61	483.73	483.04	479.98	482.51
42.5	481.99	479.11	478.41	475.45	477.89
43.0	477.28	474.40	473.88	470.82	473.27
43.5	472.48	469.69	469.17	466.20	468.64
44.0	467.86	464.89	464.54	461.49	464.11
44.5	463.06	460.10	459.75	456.78	459.40
45.0	458.26	455.30	454.86	452.16	454.51
45.5	453.38	450.50	450.07	447.45	449.72
46.0	448.50	445.70	445.09	442.56	444.92
46.5	443.61	440.73	440.30	437.77	439.95
47.0	438.64	435.76	435.41	432.88	434.98
47.5	433.58	430.88	430.44	428.00	430.09
48.0	428.61	425.99	425.47	423.20	424.86
48.5	423.46	420.93	420.58	418.40	419.89
49.0	418.40	415.96	415.53	413.52	414.74
49.5	413.34	410.90	410.55	408.55	409.86
50.0	408.29	405.67	405.49	403.58	404.88
50.5	403.05	400.61	400.52	398.60	400.00
51.0	397.82	395.55	395.46	393.55	395.03
51.5	392.67	390.41	390.41	388.57	390.06
52.0	387.44	385.35	385.35	383.52	385.00
52.5	382.29	380.11	380.20	378.37	379.94
53.0	377.15	374.97	374.97	373.31	374.79
53.5	371.91	369.91	369.73	368.08	369.65
54.0	366.59	364.68	364.50	362.93	364.68
54.5	361.45	359.53	359.18	357.78	359.53

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CANDELA TABULATION - (Cont.)

55.0	356.13	354.30	353.86	352.64	354.30
55.5	350.72	349.06	348.63	347.49	348.98
56.0	345.31	343.83	343.31	342.26	343.65
56.5	339.73	338.60	337.90	337.11	338.25
57.0	334.23	333.28	332.49	331.88	333.01
57.5	328.74	327.95	327.08	326.73	327.61
58.0	323.24	322.46	321.76	321.50	322.37
58.5	317.84	316.96	316.44	316.27	317.14
59.0	312.34	311.47	311.03	311.12	311.82
59.5	306.93	306.15	305.63	305.89	306.41
60.0	301.44	300.74	300.22	300.57	301.18
60.5	296.12	295.16	294.81	295.33	295.94
61.0	290.80	289.75	289.40	290.01	290.71
61.5	285.39	284.26	284.17	284.78	285.48
62.0	279.90	278.85	278.76	279.46	280.16
62.5	274.49	273.44	273.44	274.14	275.01
63.0	269.08	268.03	268.12	268.82	269.86
63.5	263.58	262.63	262.80	263.58	264.72
64.0	258.26	257.22	257.48	258.26	259.49
64.5	252.77	251.90	252.07	253.03	254.25
65.0	247.27	246.49	246.66	247.71	249.02
65.5	241.78	241.08	241.34	242.48	243.79
66.0	236.28	235.67	235.94	237.24	238.55
66.5	230.70	230.27	230.61	232.01	233.23
67.0	225.12	224.77	225.38	226.78	227.91
67.5	219.62	219.28	220.06	221.46	222.59
68.0	213.87	213.87	214.65	216.22	217.27
68.5	208.37	208.29	209.25	210.99	211.95
69.0	202.70	202.88	203.92	205.67	206.54
69.5	197.03	197.30	198.60	200.44	201.05
70.0	191.45	191.89	193.20	195.03	195.29
70.5	185.96	186.66	188.14	189.80	189.71
71.0	180.29	181.16	182.90	184.82	184.74
71.5	174.79	175.93	177.85	179.42	179.50
72.0	170.00	170.52	172.61	174.10	174.36
72.5	164.50	165.02	167.38	168.86	169.21
73.0	159.18	159.70	162.15	163.63	164.15
73.5	153.77	154.38	157.00	158.40	159.27
74.0	148.98	149.06	151.68	153.16	154.38
74.5	143.83	144.27	146.45	148.19	149.50
75.0	138.60	139.12	141.39	143.31	144.61
75.5	133.54	134.23	136.33	138.42	139.82
76.0	128.39	129.18	131.53	133.97	135.54
76.5	123.33	124.12	126.56	129.35	130.75
77.0	118.27	119.06	121.59	124.55	125.77
77.5	113.30	114.00	116.79	119.84	120.80
78.0	108.24	109.03	112.08	114.96	115.83
78.5	103.18	104.06	107.37	110.16	110.95
79.0	98.30	99.17	102.66	105.28	105.97
79.5	93.33	94.29	97.86	100.48	101.18
80.0	88.44	89.32	93.07	95.77	96.38
80.5	83.65	84.34	88.36	91.15	91.84
81.0	78.85	79.46	83.56	86.61	87.31
81.5	74.05	74.66	78.94	82.16	82.95
82.0	69.43	69.95	74.23	77.80	78.76
82.5	64.72	65.33	69.60	73.53	74.57

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CANDELA TABULATION - (Cont.)

83.0	60.10	60.88	65.24	69.43	70.48
83.5	55.56	56.52	60.88	65.42	66.46
84.0	50.94	51.98	56.87	61.49	62.54
84.5	46.49	47.54	52.94	57.65	58.79
85.0	41.60	43.26	49.11	53.99	55.12
85.5	37.16	38.99	45.44	50.50	51.64
86.0	32.71	34.89	41.87	47.10	48.41
86.5	28.61	30.96	38.55	44.13	45.53
87.0	24.60	27.13	34.80	40.56	41.87
87.5	20.24	23.55	31.57	36.46	36.98
88.0	15.79	20.76	29.04	34.80	35.50
88.5	11.51	18.67	28.52	34.63	35.24
89.0	8.55	17.79	29.13	35.50	35.85
89.5	6.37	17.44	30.35	36.63	36.81
90.0	4.54	17.62	31.84	38.12	38.20
90.5	1.57	1.96	1.96	2.36	2.49
91.0	3.53	1.84	1.96	2.61	2.61
91.5	5.24	1.96	1.96	2.61	2.61
92.0	7.07	2.49	1.96	2.36	2.61
92.5	9.04	3.01	2.09	2.75	2.61
93.0	11.00	3.80	2.61	2.75	2.61
93.5	13.23	4.45	2.88	3.01	2.88
94.0	15.59	5.37	3.40	3.28	3.15
94.5	17.81	6.29	3.67	3.53	3.40
95.0	20.56	7.33	4.07	3.93	3.80
95.5	23.57	8.39	4.59	4.19	4.07
96.0	26.59	9.17	5.24	4.59	4.45
96.5	30.00	9.96	5.76	4.97	4.84
97.0	33.13	10.75	6.68	5.24	5.24
97.5	36.55	11.40	7.47	5.63	5.63
98.0	40.08	12.31	8.12	6.16	6.16
98.5	44.01	13.63	8.91	6.81	6.68
99.0	47.80	15.59	9.43	7.60	7.47
99.5	51.60	17.81	10.21	8.52	8.25
100.0	55.40	21.21	10.87	9.29	8.91
100.5	59.47	25.28	11.40	10.35	9.83
101.0	63.27	30.12	11.92	11.27	10.75
101.5	67.45	36.55	12.44	12.05	11.52
102.0	71.77	44.27	12.71	12.84	12.44
102.5	75.71	52.65	12.96	13.63	13.09
103.0	79.89	62.08	13.36	14.28	13.75
103.5	83.96	71.77	13.88	14.93	14.41
104.0	87.88	82.39	14.67	15.45	14.93
104.5	91.95	93.91	15.72	15.85	15.32
105.0	96.00	107.27	17.41	16.11	15.72
105.5	100.07	124.16	19.39	16.37	15.97
106.0	104.25	140.28	21.75	16.76	16.24
106.5	108.45	152.32	25.01	17.03	16.24
107.0	112.37	161.49	28.68	17.29	16.51
107.5	116.44	170.40	33.27	17.68	16.64
108.0	120.37	178.65	38.37	18.20	16.89
108.5	124.43	185.85	44.27	18.99	17.16
109.0	128.36	192.67	51.87	20.17	17.55
109.5	132.28	198.83	61.29	21.35	18.20
110.0	136.48	204.84	73.35	22.92	19.12
110.5	140.40	210.48	87.09	24.88	20.17

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CANDELA TABULATION - (Cont.)

111.0	144.47	215.85	102.56	27.37	21.61
111.5	148.40	220.96	118.80	30.39	22.92
112.0	152.32	225.93	136.48	33.92	24.76
112.5	156.39	230.91	154.81	37.99	26.85
113.0	160.05	235.63	173.80	42.69	29.73
113.5	163.99	240.60	195.68	48.20	32.61
114.0	167.91	245.19	218.99	54.88	36.28
114.5	171.57	249.91	245.19	63.65	40.60
115.0	175.24	254.36	271.12	74.52	45.32
115.5	179.04	258.93	298.49	88.80	50.95
116.0	182.84	263.13	326.00	104.25	58.15
116.5	186.64	267.32	355.87	121.93	67.32
117.0	190.44	271.39	387.16	141.19	78.85
117.5	194.11	275.44	416.89	161.63	92.73
118.0	197.77	279.24	443.35	184.03	108.84
118.5	201.57	283.17	463.79	207.47	126.39
119.0	205.37	287.09	481.85	233.00	146.17
119.5	209.04	290.76	497.84	260.64	166.87
120.0	212.71	294.56	513.16	292.08	189.65
120.5	216.37	298.23	526.92	325.35	213.49
121.0	220.04	302.03	538.71	361.36	239.68
121.5	223.71	305.56	548.27	397.91	268.37
122.0	227.37	308.97	556.65	435.89	299.41
122.5	230.91	312.64	563.99	475.71	334.39
123.0	234.57	315.92	570.40	515.92	371.71
123.5	238.37	319.32	576.16	559.65	410.61
124.0	241.79	322.47	581.01	602.36	450.81
124.5	245.45	325.87	585.85	640.73	492.47
125.0	248.85	329.15	589.79	673.08	535.43
125.5	252.39	332.28	593.84	700.59	582.45
126.0	255.80	335.29	597.25	724.43	628.29
126.5	259.20	338.44	600.52	745.77	670.20
127.0	262.73	341.72	603.67	766.73	708.57
127.5	266.28	344.73	606.68	784.93	739.88
128.0	269.81	347.87	609.83	799.87	768.04
128.5	272.96	351.01	612.31	811.65	793.19
129.0	276.36	354.03	614.80	821.87	816.51
129.5	279.63	356.91	617.03	830.12	837.72
130.0	283.04	359.79	619.25	837.07	855.67
130.5	286.19	362.67	621.35	842.44	869.95
131.0	289.45	365.56	623.32	847.15	881.20
131.5	292.87	368.44	625.15	850.95	890.76
132.0	295.88	371.05	626.85	854.09	898.76
132.5	299.15	373.93	628.03	856.84	905.31
133.0	302.29	376.68	629.33	859.07	910.55
133.5	305.56	379.31	630.52	860.64	915.00
134.0	308.71	381.92	631.17	861.95	918.67
134.5	311.85	384.55	631.96	863.00	921.93
135.0	314.87	387.16	632.48	863.79	924.43
135.5	318.01	389.65	632.48	864.44	926.27
136.0	321.15	392.27	632.75	864.71	927.83
136.5	324.16	394.63	632.88	864.57	928.88
137.0	327.17	396.99	632.48	863.79	929.40
137.5	330.19	399.35	632.09	862.73	929.93
138.0	333.20	401.84	631.56	861.29	929.80
138.5	336.08	404.07	630.65	859.72	929.01

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CANDELA TABULATION - (Cont.)

139.0	339.09	406.41	629.60	857.76	927.83
139.5	341.85	408.52	628.68	855.80	926.27
140.0	344.73	410.75	627.51	853.44	924.16
140.5	347.61	412.84	625.80	850.81	921.55
141.0	350.36	414.93	624.23	847.68	918.67
141.5	353.24	417.03	622.65	844.01	915.25
142.0	355.99	418.99	620.96	839.95	911.99
142.5	359.00	421.09	619.12	835.36	907.92
143.0	361.49	423.05	617.29	830.77	903.60
143.5	364.37	424.88	615.32	825.67	898.76
144.0	367.25	426.72	613.23	820.56	893.52
144.5	369.75	428.55	611.27	815.19	887.76
145.0	372.36	430.39	609.04	809.29	881.60
145.5	374.99	432.09	606.95	803.40	875.05
146.0	377.47	433.92	604.45	797.12	868.24
146.5	380.09	435.63	602.09	790.96	861.29
147.0	382.71	437.07	599.73	784.28	853.96
147.5	385.47	438.64	597.39	777.60	846.36
148.0	387.81	439.95	594.89	770.67	838.24
148.5	390.17	441.39	592.40	763.85	830.39
149.0	392.67	442.69	589.79	757.04	822.27
149.5	395.03	444.01	587.29	749.97	813.88
150.0	397.12	445.19	584.68	742.89	805.37
150.5	399.48	446.24	581.92	735.83	796.72
151.0	401.57	447.28	579.17	728.75	788.08
151.5	403.80	448.33	576.29	721.55	779.31
152.0	405.76	449.37	573.68	714.47	770.67
152.5	407.85	450.43	570.79	707.13	761.88
153.0	409.96	451.21	568.04	700.07	753.24
153.5	411.79	452.13	565.29	693.12	744.60
154.0	413.88	452.79	562.41	685.92	735.69
154.5	415.59	453.44	559.53	678.85	727.04
155.0	417.41	454.23	556.65	671.91	718.15
155.5	419.39	454.88	553.76	664.83	709.49
156.0	421.21	455.67	551.01	657.76	700.72
156.5	422.92	456.32	548.13	650.95	692.21
157.0	424.63	456.84	545.25	643.88	683.69
157.5	426.32	457.37	542.24	637.20	675.19
158.0	427.77	457.76	539.63	630.52	666.93
158.5	429.47	458.15	536.73	623.71	658.81
159.0	431.04	458.41	533.85	617.16	650.56
159.5	432.48	458.68	530.97	610.61	642.57
160.0	433.92	459.07	528.23	604.32	634.57
160.5	435.36	459.33	525.35	597.91	626.59
161.0	436.67	459.60	522.59	591.75	618.99
161.5	437.99	459.99	519.84	585.59	611.27
162.0	439.29	460.12	517.23	579.69	603.80
162.5	440.60	460.37	514.47	573.80	596.60
163.0	441.79	460.51	511.85	567.91	589.25
163.5	442.96	460.64	509.49	562.41	582.32
164.0	444.13	460.64	507.01	556.77	575.37
164.5	445.19	460.77	504.52	551.41	568.83
165.0	446.24	460.91	502.16	546.04	562.28
165.5	447.41	460.91	499.80	541.07	555.99
166.0	448.47	460.91	497.44	535.95	549.97
166.5	449.37	461.04	495.35	531.24	543.95

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CANDELA TABULATION - (Cont.)

167.0	450.29	461.04	493.12	526.65	538.44
167.5	451.08	460.91	491.03	522.07	532.81
168.0	452.00	460.91	488.93	517.75	527.57
168.5	452.79	460.77	486.84	513.56	522.33
169.0	453.71	460.91	484.87	509.63	517.61
169.5	454.48	460.91	482.91	505.56	512.64
170.0	455.15	460.91	481.20	501.89	508.32
170.5	456.05	460.91	479.37	498.23	504.00
171.0	456.71	460.91	477.67	494.83	499.80
171.5	457.24	460.91	476.09	491.55	496.00
172.0	458.03	460.91	474.52	488.41	491.95
172.5	458.55	460.91	473.08	485.65	488.80
173.0	459.07	460.91	471.51	483.04	485.40
173.5	459.47	460.91	470.33	480.41	482.39
174.0	459.99	460.91	469.03	478.19	479.37
174.5	460.51	460.91	467.97	476.23	476.75
175.0	460.77	460.77	466.80	474.27	474.27
175.5	461.16	460.77	466.15	472.56	472.29
176.0	461.43	460.64	465.36	471.12	470.20
176.5	461.83	460.77	464.57	469.68	468.63
177.0	461.95	460.64	464.17	468.51	467.19
177.5	462.21	460.64	463.52	467.32	465.88
178.0	462.35	460.64	463.13	466.15	464.96
178.5	462.48	460.64	462.73	465.09	464.31
179.0	462.60	460.51	462.35	464.31	463.79
179.5	462.60	460.51	461.95	463.79	463.39
180.0	462.21	462.21	462.21	462.21	462.21

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	256.39	N.A.	6.40
0-30	541.34	N.A.	13.50
0-40	881.54	N.A.	22.00
0-60	1548.51	N.A.	38.70
0-80	1943.02	N.A.	48.60
0-90	1999.19	N.A.	50.00
10-90	1932.56	N.A.	48.30
20-40	625.15	N.A.	15.60
20-50	975.79	N.A.	24.40
40-70	911.62	N.A.	22.80
60-80	394.51	N.A.	9.90
70-80	149.86	N.A.	3.70
80-90	56.17	N.A.	1.40
90-110	63.76	N.A.	1.60
90-120	251.08	N.A.	6.30
90-130	681.31	N.A.	17.00
90-150	1550.64	N.A.	38.80
90-180	2000.76	N.A.	50.00
110-180	1937.01	N.A.	48.40
0-180	3999.95	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.62
10-20	189.77
20-30	284.95
30-40	340.20
40-50	350.64
50-60	316.33
60-70	244.65
70-80	149.86
80-90	56.17
90-100	9.18
100-110	54.58
110-120	187.33
120-130	430.23
130-140	481.37
140-150	387.96
150-160	261.31
160-170	143.75
170-180	45.06

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	97	93	89	85	90	86	82	79	73	70	68	60	59	57	49	48	47	41
2	89	81	75	69	81	75	69	65	63	59	56	53	50	47	43	41	39	34
3	81	71	63	57	74	66	59	54	56	51	47	46	43	40	38	35	33	29
4	74	63	55	48	68	58	51	45	49	44	40	41	37	34	34	31	28	25
5	68	56	48	41	62	52	44	39	44	38	34	37	33	29	30	27	24	21
6	62	50	42	36	57	46	39	34	40	34	30	33	29	25	27	24	21	19
7	57	45	37	31	53	42	35	30	36	30	26	30	26	22	25	22	19	16
8	53	41	33	28	49	38	31	26	33	27	23	28	23	20	23	20	17	15
9	50	37	30	25	46	35	28	23	30	24	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	25	21	28	22	19	23	19	16	20	16	14	12

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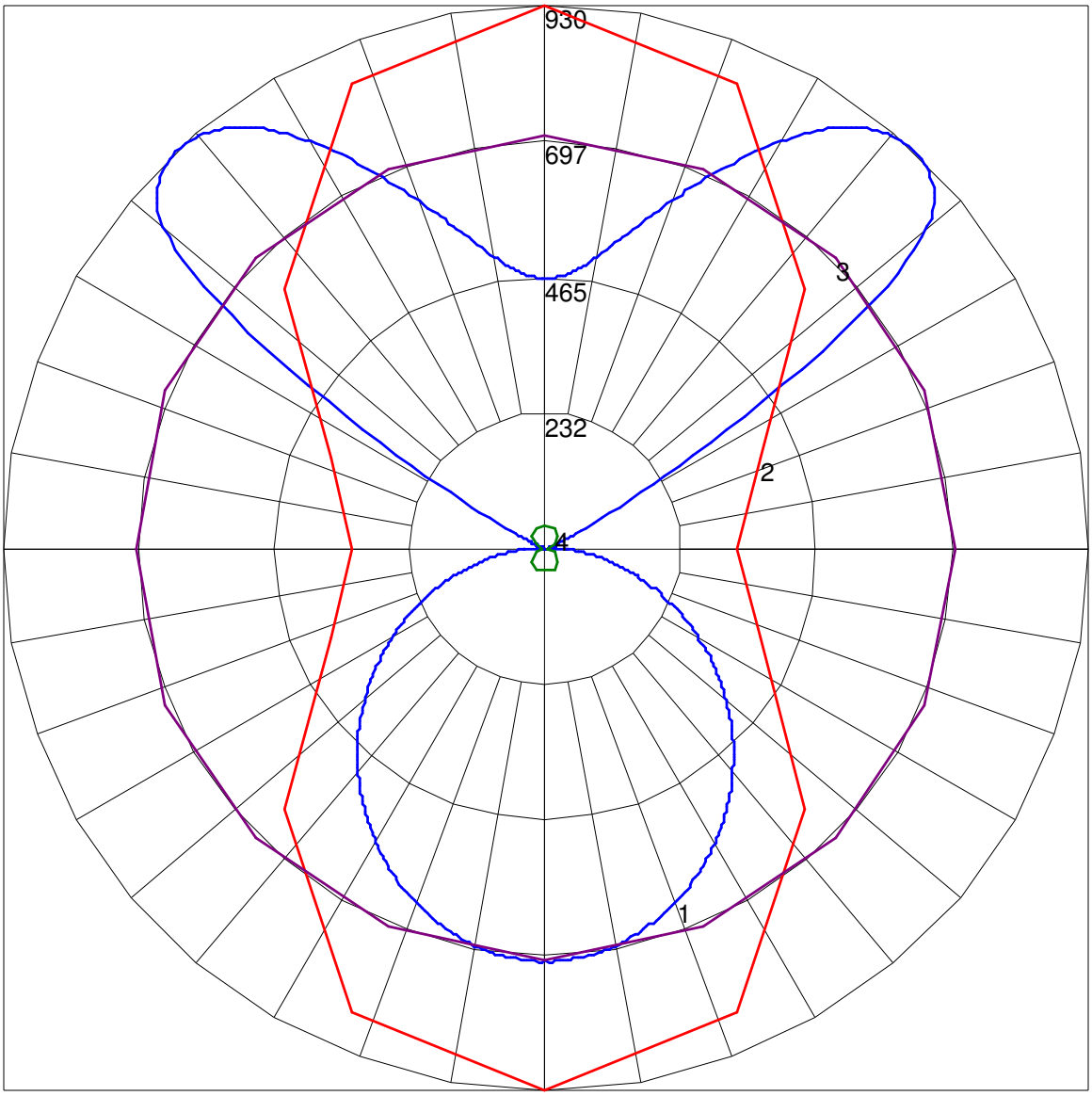
POLAR GRAPH



Maximum Candela = 929.93 Located At Horizontal Angle = 90, Vertical Angle = 137.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (137.5) (Through Max. Cd.)
3 - Horizontal Cone Through Vertical Angle (2)
4 - Horizontal Cone Through Vertical Angle (90)

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