Picasso Lighting

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLD-2-PF-4-D3-I3-30-80-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-D3-I3-30-80-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, 33.01 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	3000
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	33.01
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	9651	3526	2830
55	8951	2637	2074
65	8008	1823	1416
75	6591	1068	824
85	3945	392	324

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0.0	528.70	528.70	528.70	528.70	528.70
0.5	528.11	529.22	527.12	528.11	532.10
1.0	528.05	529.16	527.06	528.11	531.97
1.5	527.91	529.09	526.93	527.98	531.77
2.0	527.65	528.89	526.87	527.84	531.44
2.5	527.45	528.63	526.67	527.59	531.12
3.0	527.12	528.30	526.47	527.33	530.60
3.5	526.67	527.98	526.21	527.00	530.07
4.0	526.28	527.59	525.89	526.61	529.55
4.5	525.82	527.19	525.49	526.21	529.02
5.0	525.36	526.73	525.03	525.69	528.50
5.5	524.84	526.21	524.51	525.17	527.91
6.0	524.25	525.62	523.85	524.57	527.33
6.5	523.73	525.03	523.20	523.92	526.61
7.0	522.88	524.38	522.48	523.27	525.89
7.5	522.09	523.59	521.63	522.41	525.17
8.0	521.37	522.81	520.72	521.63	524.25
8.5	520.58	521.96	519.86	520.78	523.34
9.0	519.67	520.98	518.88	519.86	522.29
9.5	518.75	520.00	517.84	518.82	521.18
10.0	517.70	519.02	516.79	517.70	519.93
10.5	516.66	517.91	515.75	516.47	518.69
11.0	515.55	516.66	514.64	515.22	517.19
11.5	514.43	515.55	513.46	513.92	515.81
12.0	513.20	514.31	512.21	512.54	514.31
12.5	512.02	513.06	511.04	511.10	512.80
13.0	510.64	511.76	509.66	509.60	511.23
13.5	509.33	510.44	508.28	508.09	509.60
14.0	507.89	509.07	506.91	506.52	508.03
14.5	506.45	507.63	505.41	504.89	506.33
15.0	504.95	506.13	503.90	503.25	504.69
15.5	503.51	504.62	502.34	501.55	503.06
16.0	501.88	503.06	500.70	499.85	501.35
16.5	500.30	501.48	499.07	498.08	499.65
17.0	498.61	499.85	497.30	496.31	497.89
17.5	496.91	498.08	495.53	494.48	496.05
18.0	495.20	496.31	493.70	492.52	494.15
18.5	493.37	494.48	491.80	490.62	492.26
19.0	491.60	492.59	489.84	488.60	490.30
19.5	489.71	490.62	487.94	486.50	488.40
20.0	487.75	488.60	485.85	484.41	486.31
20.5	485.72	486.57	483.76	482.25	484.28
21.0	483.76	484.48	481.60	480.16	482.25
21.5	481.73	482.32	479.51	477.93	480.09
22.0	479.63	480.16	477.21	475.71	477.87
22.5	477.41	477.87	474.92	473.48	475.58
23.0	475.31	475.64	472.57	471.20	473.09
23.5	473.09	473.36	470.28	468.91	470.67
24.0	470.87	471.00	467.86	466.49	468.32
24.5	468.51	468.65	465.38	464.06	465.89
25.0	466.16	466.29	462.89	461.65	463.41
25.5	463.74	463.87	460.47	459.16	460.99
26.0	461.32	461.25	457.85	456.68	458.37
26.5	458.83	458.77	455.30	454.12	455.82

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CANDELA TABULATION - (Cont.)

27.0	456.28	456.15	452.69	451.37	453.14
27.5	453.73	453.53	450.07	448.76	450.53
28.0	451.11	450.79	447.45	446.01	447.91
28.5	448.37	448.04	444.77	443.33	445.10
29.0	445.62	445.29	442.02	440.51	442.35
29.5	443.00	442.48	439.28	437.70	439.60
30.0	440.19	439.67	436.52	434.89	436.85
30.5	437.51	436.72	433.78	432.01	434.04
31.0	434.76	433.78	430.97	429.20	431.03
31.5	431.95	430.83	428.09	426.32	428.09
32.0	429.20	427.89	425.27	423.31	425.15
32.5	426.26	424.88	422.33	420.37	422.33
33.0	423.38	421.81	419.39	417.36	419.39
33.5	420.44	418.80	416.45	414.48	416.38
34.0	417.42	415.66	413.50	411.47	413.30
34.5	414.41	412.52	410.42	408.46	410.23
35.0	411.34	409.44	407.35	405.32	407.28
35.5	408.26	406.31	404.41	402.18	404.34
36.0	405.13	403.10	401.33	399.04	401.27
36.5	401.99	399.89	398.19	395.90	398.19
37.0	398.72	396.75	395.05	392.69	395.05
37.5	395.45	393.48	391.85	389.49	391.85
38.0	392.18	390.21	388.64	386.35	388.77
38.5	388.90	386.87	385.43	383.21	385.50
39.0	385.50	383.54	382.16	380.00	382.04
39.5	382.23	380.07	378.89	376.73	378.70
40.0	378.77	376.73	375.75	373.40	375.43
40.5	375.36	373.27	372.41	370.13	371.96
41.0	371.83	369.80	369.08	366.73	368.69
41.5	368.36	366.40	365.68	363.39	365.22
42.0	364.96	362.80	362.28	359.99	361.88
42.5	361.49	359.33	358.81	356.59	358.42
43.0	357.96	355.80	355.41	353.12	354.95
43.5	354.36	352.27	351.88	349.65	351.48
44.0	350.90	348.67	348.41	346.12	348.08
44.5	347.30	345.08	344.81	342.59	344.55
45.0	343.70	341.48	341.15	339.12	340.88
45.5	340.04	337.88	337.55	335.59	337.29
46.0	336.38	334.28	333.82	331.92	333.69
46.5	332.71	330.55	330.23	328.33	329.96
47.0	328.98	326.82	326.56	324.66	326.24
47.5	325.19	323.16	322.83	321.00	322.57
48.0	321.46	319.49	319.10	317.40	318.65
48.5	317.60	315.70	315.44	313.80	314.92
49.0	313.80	311.97	311.65	310.14	311.06
49.5	310.01	308.18	307.91	306.41	307.40
50.0	306.22	304.25	304.12	302.69	303.66
50.5	302.29	300.46	300.39	298.95	300.00
51.0	298.37	296.66	296.60	295.16	296.27
51.5	294.50	292.81	292.81	291.43	292.55
52.0	290.58	289.01	289.01	287.64	288.75
52.5	286.72	285.08	285.15	283.78	284.96
53.0	282.86	281.23	281.23	279.98	281.09
53.5	278.93	277.43	277.30	276.06	277.24
54.0	274.94	273.51	273.38	272.20	273.51
54.5	271.09	269.65	269.39	268.34	269.65

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CANDELA TABULATION - (Cont.)

55.0	267.10	265.73	265.40	264.48	265.73
55.5	263.04	261.80	261.47	260.62	261.74
56.0	258.98	257.87	257.48	256.70	257.74
56.5	254.80	253.95	253.43	252.83	253.69
57.0	250.67	249.96	249.37	248.91	249.76
57.5	246.56	245.96	245.31	245.05	245.71
58.0	242.43	241.85	241.32	241.13	241.78
58.5	238.38	237.72	237.33	237.20	237.86
59.0	234.26	233.60	233.27	233.34	233.87
59.5	230.20	229.61	229.22	229.42	229.81
60.0	226.08	225.56	225.17	225.43	225.89
60.5	222.09	221.37	221.11	221.50	221.96
61.0	218.10	217.31	217.05	217.51	218.03
61.5	214.04	213.20	213.13	213.59	214.11
62.0	209.93	209.14	209.07	209.60	210.12
62.5	205.87	205.08	205.08	205.61	206.26
63.0	201.81	201.02	201.09	201.62	202.40
63.5	197.69	196.97	197.10	197.69	198.54
64.0	193.70	192.92	193.11	193.70	194.62
64.5	189.58	188.93	189.05	189.77	190.69
65.0	185.45	184.87	185.00	185.78	186.77
65.5	181.34	180.81	181.01	181.86	182.84
66.0	177.21	176.75	176.96	177.93	178.91
66.5	173.03	172.70	172.96	174.01	174.92
67.0	168.84	168.58	169.04	170.09	170.93
67.5	164.72	164.46	165.05	166.10	166.94
68.0	160.40	160.40	160.99	162.17	162.95
68.5	156.28	156.22	156.94	158.24	158.96
69.0	152.03	152.16	152.94	154.25	154.91
69.5	147.77	147.98	148.95	150.33	150.79
70.0	143.59	143.92	144.90	146.27	146.47
70.5	139.47	140.00	141.11	142.35	142.28
71.0	135.22	135.87	137.18	138.62	138.56
71.5	131.09	131.95	133.39	134.57	134.63
72.0	127.50	127.89	129.46	130.58	130.77
72.5	123.38	123.77	125.54	126.65	126.91
73.0	119.39	119.78	121.61	122.72	123.11
73.5	115.33	115.79	117.75	118.80	119.45
74.0	111.74	111.80	113.76	114.87	115.79
74.5	107.87	108.20	109.84	111.14	112.13
75.0	103.95	104.34	106.04	107.48	108.46
75.5	100.16	100.67	102.25	103.82	104.87
76.0	96.29	96.89	98.65	100.48	101.66
76.5	92.50	93.09	94.92	97.01	98.06
77.0	88.70	89.30	91.19	93.41	94.33
77.5	84.98	85.50	87.59	89.88	90.60
78.0	81.18	81.77	84.06	86.22	86.87
78.5	77.39	78.05	80.53	82.62	83.21
79.0	73.73	74.38	77.00	78.96	79.48
79.5	70.00	70.72	73.40	75.36	75.89
80.0	66.33	66.99	69.80	71.83	72.29
80.5	62.74	63.26	66.27	68.36	68.88
81.0	59.14	59.60	62.67	64.96	65.48
81.5	55.54	56.00	59.21	61.62	62.21
82.0	52.07	52.46	55.67	58.35	59.07
82.5	48.54	49.00	52.20	55.15	55.93

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CANDELA TABULATION - (Cont.)

83.0	45.08	45.66	48.93	52.07	52.86
83.5	41.67	42.39	45.66	49.07	49.85
84.0	38.21	38.99	42.65	46.12	46.91
84.5	34.87	35.66	39.71	43.24	44.09
85.0	31.20	32.45	36.83	40.49	41.34
85.5	27.87	29.24	34.08	37.88	38.73
86.0	24.53	26.17	31.40	35.33	36.31
86.5	21.46	23.22	28.91	33.10	34.15
87.0	18.45	20.35	26.10	30.42	31.40
87.5	15.18	17.66	23.68	27.35	27.74
88.0	11.84	15.57	21.78	26.10	26.63
88.5	8.63	14.00	21.39	25.97	26.43
89.0	6.41	13.34	21.85	26.63	26.89
89.5	4.78	13.08	22.76	27.47	27.61
90.0	3.41	13.22	23.88	28.59	28.65
90.5	1.18	1.47	1.47	1.77	1.87
91.0	2.65	1.38	1.47	1.96	1.96
91.5	3.93	1.47	1.47	1.96	1.96
92.0	5.30	1.87	1.47	1.77	1.96
92.5	6.78	2.26	1.57	2.06	1.96
93.0	8.25	2.85	1.96	2.06	1.96
93.5	9.92	3.34	2.16	2.26	2.16
94.0	11.69	4.03	2.55	2.46	2.36
94.5	13.36	4.72	2.75	2.65	2.55
95.0	15.42	5.50	3.05	2.95	2.85
95.5	17.68	6.29	3.44	3.14	3.05
96.0	19.94	6.88	3.93	3.44	3.34
96.5	22.50	7.47	4.32	3.73	3.63
97.0	24.85	8.06	5.01	3.93	3.93
97.5	27.41	8.55	5.60	4.22	4.22
98.0	30.06	9.23	6.09	4.62	4.62
98.5	33.01	10.22	6.68	5.11	5.01
99.0	35.85	11.69	7.07	5.70	5.60
99.5	38.70	13.36	7.66	6.39	6.19
100.0	41.55	15.91	8.15	6.97	6.68
100.5	44.60	18.96	8.55	7.76	7.37
101.0	47.45	22.59	8.94	8.45	8.06
101.5	50.59	27.41	9.33	9.04	8.64
102.0	53.83	33.20	9.53	9.63	9.33
102.5	56.78	39.49	9.72	10.22	9.82
103.0	59.92	46.56	10.02	10.71	10.31
103.5	62.97	53.83	10.41	11.20	10.81
104.0	65.91	61.79	11.00	11.59	11.20
104.5	68.96	70.43	11.79	11.89	11.49
105.0	72.00	80.45	13.06	12.08	11.79
105.5	75.05	93.12	14.54	12.28	11.98
106.0	78.19	105.21	16.31	12.57	12.18
106.5	81.34	114.24	18.76	12.77	12.18
107.0	84.28	121.12	21.51	12.97	12.38
107.5	87.33	127.80	24.95	13.26	12.48
108.0	90.28	133.99	28.78	13.65	12.67
108.5	93.32	139.39	33.20	14.24	12.87
109.0	96.27	144.50	38.90	15.13	13.16
109.5	99.21	149.12	45.97	16.01	13.65
110.0	102.36	153.63	55.01	17.19	14.34
110.5	105.30	157.86	65.32	18.66	15.13

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CANDELA TABULATION - (Cont.)

111.0	108.35	161.89	76.92	20.53	16.21
111.5	111.30	165.72	89.10	22.79	17.19
112.0	114.24	169.45	102.36	25.44	18.57
112.5	117.29	173.18	116.11	28.49	20.14
113.0	120.04	176.72	130.35	32.02	22.30
113.5	122.99	180.45	146.76	36.15	24.46
114.0	125.93	183.89	164.24	41.16	27.21
114.5	128.68	187.43	183.89	47.74	30.45
115.0	131.43	190.77	203.34	55.89	33.99
115.5	134.28	194.20	223.87	66.60	38.21
116.0	137.13	197.35	244.50	78.19	43.61
116.5	139.98	200.49	266.90	91.45	50.49
117.0	142.83	203.54	290.37	105.89	59.14
117.5	145.58	206.58	312.67	121.22	69.55
118.0	148.33	209.43	332.51	138.02	81.63
118.5	151.18	212.38	347.84	155.60	94.79
119.0	154.03	215.32	361.39	174.75	109.63
119.5	156.78	218.07	373.38	195.48	125.15
120.0	159.53	220.92	384.87	219.06	142.24
120.5	162.28	223.67	395.19	244.01	160.12
121.0	165.03	226.52	404.03	271.02	179.76
121.5	167.78	229.17	411.20	298.43	201.28
122.0	170.53	231.73	417.49	326.92	224.56
122.5	173.18	234.48	422.99	356.78	250.79
123.0	175.93	236.94	427.80	386.94	278.78
123.5	178.78	239.49	432.12	419.74	307.96
124.0	181.34	241.85	435.76	451.77	338.11
124.5	184.09	244.40	439.39	480.55	369.35
125.0	186.64	246.86	442.34	504.81	401.57
125.5	189.29	249.21	445.38	525.44	436.84
126.0	191.85	251.47	447.94	543.32	471.22
126.5	194.40	253.83	450.39	559.33	502.65
127.0	197.05	256.29	452.75	575.05	531.43
127.5	199.71	258.55	455.01	588.70	554.91
128.0	202.36	260.90	457.37	599.90	576.03
128.5	204.72	263.26	459.23	608.74	594.89
129.0	207.27	265.52	461.10	616.40	612.38
129.5	209.72	267.68	462.77	622.59	628.29
130.0	212.28	269.84	464.44	627.80	641.75
130.5	214.64	272.00	466.01	631.83	652.46
131.0	217.09	274.17	467.49	635.36	660.90
131.5	219.65	276.33	468.86	638.21	668.07
132.0	221.91	278.29	470.14	640.57	674.07
132.5	224.36	280.45	471.02	642.63	678.98
133.0	226.72	282.51	472.00	644.30	682.91
133.5	229.17	284.48	472.89	645.48	686.25
134.0	231.53	286.44	473.38	646.46	689.00
134.5	233.89	288.41	473.97	647.25	691.45
135.0	236.15	290.37	474.36	647.84	693.32
135.5	238.51	292.24	474.36	648.33	694.70
136.0	240.86	294.20	474.56	648.53	695.87
136.5	243.12	295.97	474.66	648.43	696.66
137.0	245.38	297.74	474.36	647.84	697.05
137.5	247.64	299.51	474.07	647.05	697.45
138.0	249.90	301.38	473.67	645.97	697.35
138.5	252.06	303.05	472.99	644.79	696.76

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CANDELA TABULATION - (Cont.)

139.0	254.32	304.81	472.20	643.32	695.87
139.5	256.39	306.39	471.51	641.85	694.70
140.0	258.55	308.06	470.63	640.08	693.12
140.5	260.71	309.63	469.35	638.11	691.16
141.0	262.77	311.20	468.17	635.76	689.00
141.5	264.93	312.77	466.99	633.01	686.44
142.0	266.99	314.24	465.72	629.96	683.99
142.5	269.25	315.82	464.34	626.52	680.94
143.0	271.12	317.29	462.97	623.08	677.70
143.5	273.28	318.66	461.49	619.25	674.07
144.0	275.44	320.04	459.92	615.42	670.14
144.5	277.31	321.41	458.45	611.39	665.82
145.0	279.27	322.79	456.78	606.97	661.20
145.5	281.24	324.07	455.21	602.55	656.29
146.0	283.10	325.44	453.34	597.84	651.18
146.5	285.07	326.72	451.57	593.22	645.97
147.0	287.03	327.80	449.80	588.21	640.47
147.5	289.10	328.98	448.04	583.20	634.77
148.0	290.86	329.96	446.17	578.00	628.68
148.5	292.63	331.04	444.30	572.89	622.79
149.0	294.50	332.02	442.34	567.78	616.70
149.5	296.27	333.01	440.47	562.48	610.41
150.0	297.84	333.89	438.51	557.17	604.03
150.5	299.61	334.68	436.44	551.87	597.54
151.0	301.18	335.46	434.38	546.56	591.06
151.5	302.85	336.25	432.22	541.16	584.48
152.0	304.32	337.03	430.26	535.85	578.00
152.5	305.89	337.82	428.09	530.35	571.41
153.0	307.47	338.41	426.03	525.05	564.93
153.5	308.84	339.10	423.97	519.84	558.45
154.0	310.41	339.59	421.81	514.44	551.77
154.5	311.69	340.08	419.65	509.14	545.28
155.0	313.06	340.67	417.49	503.93	538.61
155.5	314.54	341.16	415.32	498.62	532.12
156.0	315.91	341.75	413.26	493.32	525.54
156.5	317.19	342.24	411.10	488.21	519.16
157.0	318.47	342.63	408.94	482.91	512.77
157.5	319.74	343.03	406.68	477.90	506.39
158.0	320.83	343.32	404.72	472.89	500.20
158.5	322.10	343.61	402.55	467.78	494.11
159.0	323.28	343.81	400.39	462.87	487.92
159.5	324.36	344.01	398.23	457.96	481.93
160.0	325.44	344.30	396.17	453.24	475.93
160.5	326.52	344.50	394.01	448.43	469.94
161.0	327.50	344.70	391.94	443.81	464.24
161.5	328.49	344.99	389.88	439.19	458.45
162.0	329.47	345.09	387.92	434.77	452.85
162.5	330.45	345.28	385.85	430.35	447.45
163.0	331.34	345.38	383.89	425.93	441.94
163.5	332.22	345.48	382.12	421.81	436.74
164.0	333.10	345.48	380.26	417.58	431.53
164.5	333.89	345.58	378.39	413.56	426.62
165.0	334.68	345.68	376.62	409.53	421.71
165.5	335.56	345.68	374.85	405.80	416.99
166.0	336.35	345.68	373.08	401.96	412.48
166.5	337.03	345.78	371.51	398.43	407.96

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CANDELA TABULATION - (Cont.)

167.0	337.72	345.78	369.84	394.99	403.83
167.5	338.31	345.68	368.27	391.55	399.61
168.0	339.00	345.68	366.70	388.31	395.68
168.5	339.59	345.58	365.13	385.17	391.75
169.0	340.28	345.68	363.65	382.22	388.21
169.5	340.86	345.68	362.18	379.17	384.48
170.0	341.36	345.68	360.90	376.42	381.24
170.5	342.04	345.68	359.53	373.67	378.00
171.0	342.53	345.68	358.25	371.12	374.85
171.5	342.93	345.68	357.07	368.66	372.00
172.0	343.52	345.68	355.89	366.31	368.96
172.5	343.91	345.68	354.81	364.24	366.60
173.0	344.30	345.68	353.63	362.28	364.05
173.5	344.60	345.68	352.75	360.31	361.79
174.0	344.99	345.68	351.77	358.64	359.53
174.5	345.38	345.68	350.98	357.17	357.56
175.0	345.58	345.58	350.10	355.70	355.70
175.5	345.87	345.58	349.61	354.42	354.22
176.0	346.07	345.48	349.02	353.34	352.65
176.5	346.37	345.58	348.43	352.26	351.47
177.0	346.46	345.48	348.13	351.38	350.39
177.5	346.66	345.48	347.64	350.49	349.41
178.0	346.76	345.48	347.35	349.61	348.72
178.5	346.86	345.48	347.05	348.82	348.23
179.0	346.95	345.38	346.76	348.23	347.84
179.5	346.95	345.38	346.46	347.84	347.54
180.0	346.66	346.66	346.66	346.66	346.66

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	192.29	N.A.	6.40
0-30	406.00	N.A.	13.50
0-40	661.16	N.A.	22.00
0-60	1161.38	N.A.	38.70
0-80	1457.27	N.A.	48.60
0-90	1499.4	N.A.	50.00
10-90	1449.43	N.A.	48.30
20-40	468.86	N.A.	15.60
20-50	731.84	N.A.	24.40
40-70	683.72	N.A.	22.80
60-80	295.89	N.A.	9.90
70-80	112.40	N.A.	3.70
80-90	42.13	N.A.	1.40
90-110	47.82	N.A.	1.60
90-120	188.31	N.A.	6.30
90-130	510.98	N.A.	17.00
90-150	1162.98	N.A.	38.80
90-180	1500.57	N.A.	50.00
110-180	1452.76	N.A.	48.40
0-180	2999.97	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.97
10-20	142.33
20-30	213.71
30-40	255.15
40-50	262.98
50-60	237.25
60-70	183.49
70-80	112.40
80-90	42.13
90-100	6.88
100-110	40.93
110-120	140.49
120-130	322.67
130-140	361.03
140-150	290.97
150-160	195.98
160-170	107.81
170-180	33.80

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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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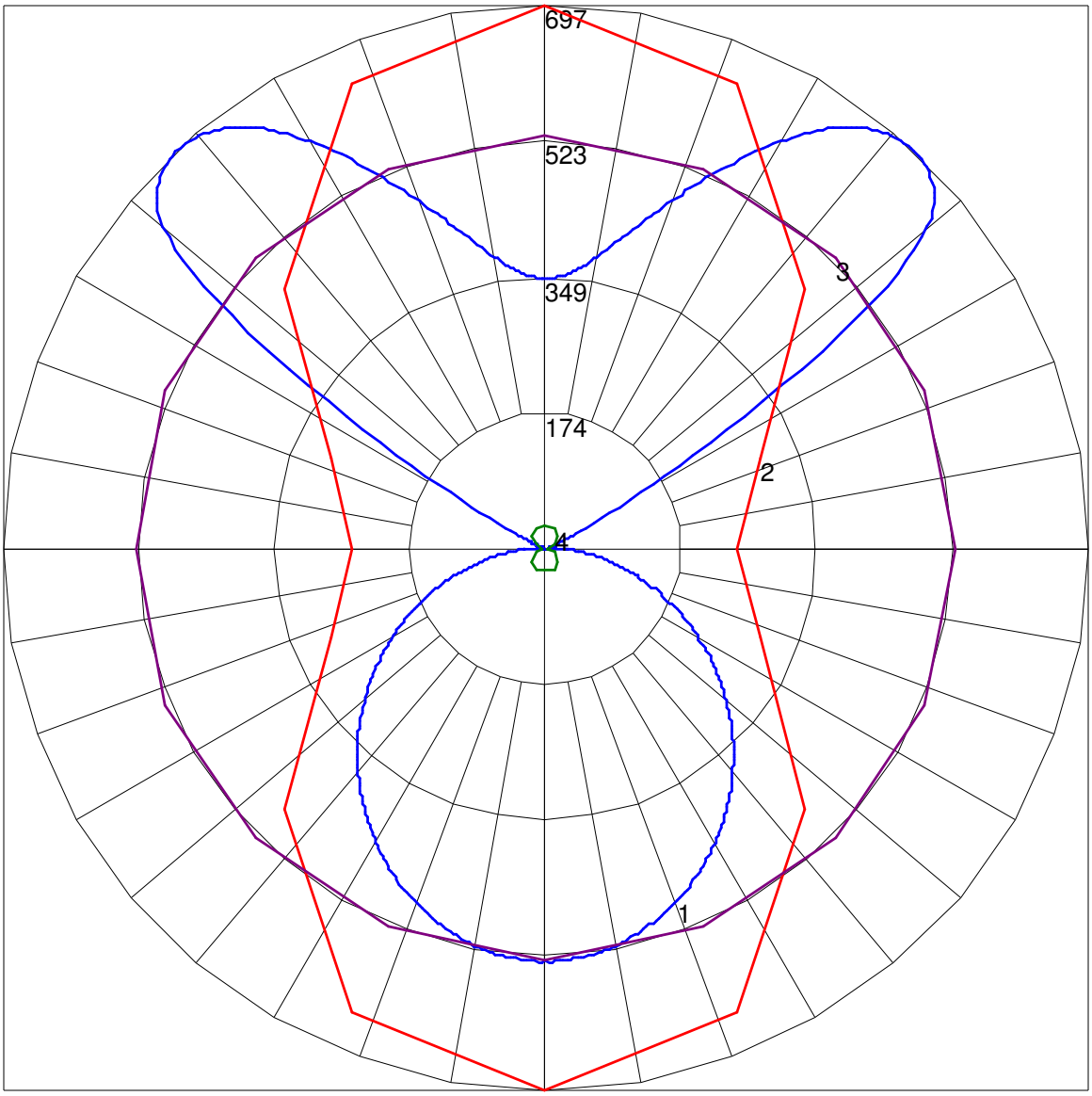
POLAR GRAPH



Maximum Candela = 697.45 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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