Picasso Lighting

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLD-2-PF-4-D3-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-D3-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, 38.01 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	3500
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	38.01
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	1.57	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	192.29	N.A.	5.50
0-30	406.00	N.A.	11.60
0-40	661.16	N.A.	18.90
0-60	1161.38	N.A.	33.20
0-80	1457.27	N.A.	41.60
0-90	1499.4	N.A.	42.80
10-90	1449.43	N.A.	41.40
20-40	468.86	N.A.	13.40
20-50	731.84	N.A.	20.90
40-70	683.72	N.A.	19.50
60-80	295.89	N.A.	8.50
70-80	112.40	N.A.	3.20
80-90	42.13	N.A.	1.20
90-110	63.57	N.A.	1.80
90-120	250.89	N.A.	7.20
90-130	681.12	N.A.	19.50
90-150	1550.45	N.A.	44.30
90-180	2000.58	N.A.	57.20
110-180	1937.01	N.A.	55.30
0-180	3499.98	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	8.99
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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	96	91	88	84	87	84	80	77	69	67	64	56	54	52	43	42	41	35
2	87	80	73	68	79	73	68	63	60	56	53	49	46	44	38	36	34	29
3	79	70	62	57	72	64	58	52	53	48	44	43	39	37	33	31	29	25
4	72	62	54	48	66	57	50	44	47	42	38	38	34	31	30	27	25	21
5	66	55	47	41	60	50	43	38	42	36	32	34	30	27	27	24	22	18
6	61	49	41	35	56	45	38	33	38	32	28	31	27	23	24	21	19	16
7	56	44	36	31	51	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	32	27	48	37	30	25	31	26	22	25	21	18	20	17	15	13
9	49	36	29	24	44	34	27	22	28	23	19	23	19	16	19	16	13	11
10	45	33	26	21	41	31	24	20	26	21	17	22	18	15	17	14	12	10

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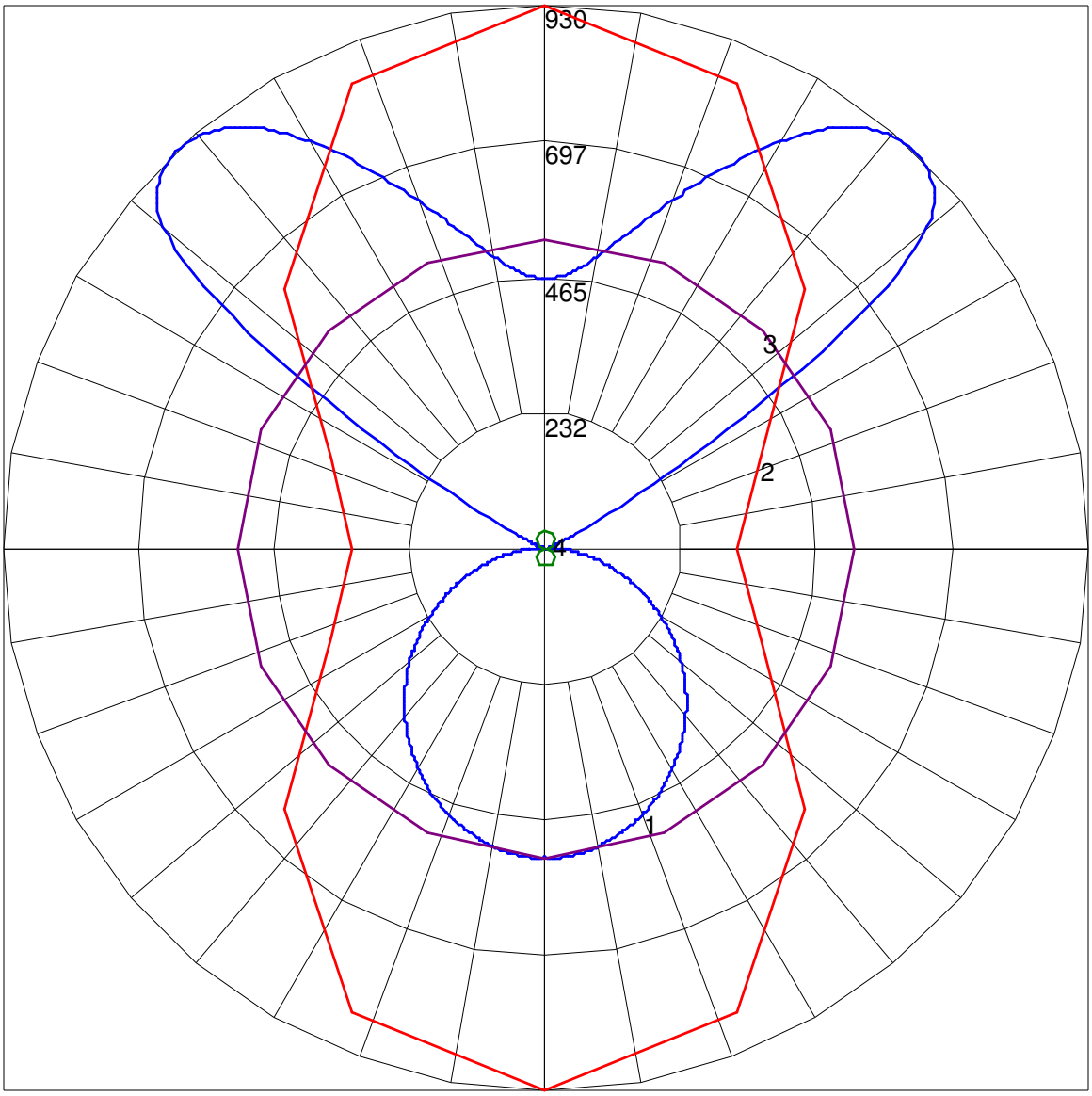
POLAR GRAPH



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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