



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLD-4-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.
[ISSUE DATE] 10/29/2023JS
[MANUFAC] Picasso Lighting Industries
[LUMCAT] BLD-4-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

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

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
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

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

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

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

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

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

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

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

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

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

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

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

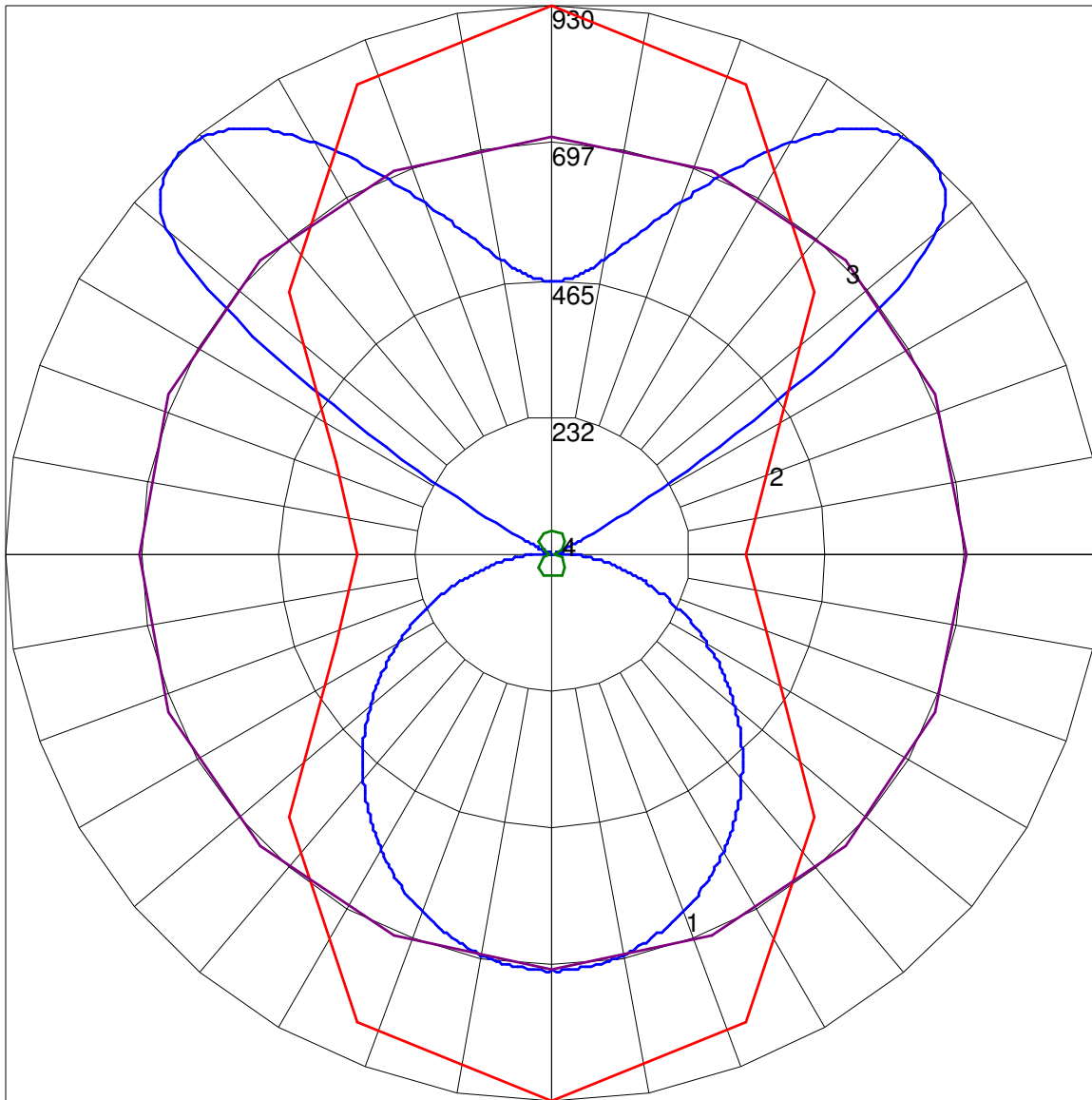
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLD-4-PF-4-D5-I5-30-80-FW-W.IES

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

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)