



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : COB-PD-4-D7-I7-40-80-FWD-XX-WH-CW-LVPW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA002143-001

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/21/2023

[MANUFAC] Picasso Lighting Industries, LLC

[LUMCAT] COB-PD-4-D7-I7-40-80-FWD-XX-WH-CW-LVPW

[LUMINAIRE] Pendant mounted, extruded black painted aluminum housing, white

[MORE] painted aluminum LED tray, frosted plastic insert in upper enclosure,

[MORE] translucent white plastic lower enclosure.

[LAMP] 192 white LEDs, 24 LEDs each on 4 boards in indirect section and

[MORE] 4 boards in direct section.

[BALLAST]

[OTHER] 120.0Vac, 60.00Hz, 60.98W, 0.976PF, 14.6%THD(i)

[OTHER] This file was modified from COB-PD-4-D5-I5-30-80-FWD-XX-WH-CW-LVPW.

[MORE] Lamp lumens value was set to -1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6000
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	60.98
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)	0.25 ft
Luminous Height	0.16 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6639	5540	5649
55	6382	5245	5502
65	5772	5030	5446
75	5070	4945	5518
85	3720	5116	5798

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D7-I7-40-80-FWD-XX-WH-CW-LVPW.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	694.97	694.97	694.97	694.97	694.97
0.5	694.81	694.81	694.97	695.30	695.47
1.0	694.48	694.48	694.81	695.47	695.79
1.5	694.16	693.99	694.65	695.63	696.29
2.0	693.66	693.66	694.48	695.79	696.61
2.5	693.01	693.01	694.16	695.79	696.78
3.0	692.52	692.52	693.83	695.79	697.11
3.5	691.86	691.86	693.50	695.96	697.43
4.0	691.04	691.21	693.17	696.12	697.60
4.5	690.22	690.39	692.84	696.12	698.09
5.0	689.40	689.57	692.35	696.29	698.58
5.5	688.58	688.91	691.86	695.96	698.25
6.0	687.76	688.26	691.37	695.63	698.09
6.5	686.95	687.60	690.88	695.30	697.92
7.0	685.96	686.78	690.22	694.97	697.60
7.5	685.14	685.96	689.73	694.65	697.27
8.0	684.16	684.98	689.08	694.16	697.11
8.5	683.01	684.00	688.42	693.83	696.78
9.0	681.70	682.85	687.60	693.34	696.45
9.5	680.72	682.03	686.95	692.84	696.12
10.0	679.41	680.72	686.13	692.35	695.47
10.5	678.10	679.57	685.14	691.86	695.30
11.0	676.62	678.26	684.16	691.21	694.65
11.5	675.15	676.95	683.34	690.55	694.16
12.0	673.67	675.47	682.36	690.22	693.50
12.5	672.03	674.16	681.21	689.40	693.17
13.0	670.23	672.69	680.23	688.58	692.68
13.5	668.59	671.21	679.24	687.93	691.86
14.0	666.95	669.57	678.10	687.27	691.37
14.5	664.99	667.94	676.79	686.45	690.71
15.0	663.18	666.13	675.64	685.63	690.39
15.5	661.22	664.33	674.33	684.81	689.57
16.0	659.09	662.69	673.02	684.00	688.91
16.5	656.96	660.73	671.54	683.01	688.09
17.0	654.99	658.92	670.23	682.19	687.44
17.5	652.53	656.79	668.76	681.21	686.45
18.0	650.40	654.99	667.28	680.23	685.96
18.5	648.11	652.86	665.64	679.24	684.98
19.0	645.65	650.57	664.17	678.10	684.16
19.5	643.19	648.44	662.69	677.11	683.34
20.0	640.57	646.31	660.89	675.97	682.36
20.5	638.28	644.01	659.41	674.82	681.37
21.0	635.49	641.55	657.61	673.67	680.39
21.5	632.87	639.26	655.81	672.36	679.41
22.0	630.25	636.80	654.01	671.21	678.59
22.5	627.46	634.34	652.20	669.90	677.44
23.0	624.67	631.88	650.40	668.76	676.46
23.5	621.89	629.43	648.44	667.28	675.31
24.0	619.10	626.80	646.47	665.97	674.16
24.5	615.99	624.02	644.50	664.49	673.02
25.0	612.88	621.40	642.54	663.18	672.03
25.5	609.93	618.45	640.41	661.71	670.72
26.0	606.65	615.83	638.28	660.23	669.57
26.5	603.37	613.04	636.15	658.76	668.26

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D7-I7-40-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

27.0	600.26	610.09	634.01	657.28	666.95
27.5	596.98	607.14	631.88	655.81	665.81
28.0	593.70	604.19	629.59	654.17	664.33
28.5	590.43	601.24	627.30	652.37	663.02
29.0	586.66	597.96	625.17	650.89	661.55
29.5	583.22	594.85	622.87	649.25	660.23
30.0	579.77	591.90	620.74	647.45	658.76
30.5	576.33	588.62	618.45	645.81	657.28
31.0	572.56	585.35	616.32	644.01	655.81
31.5	568.96	581.90	613.86	642.37	654.50
32.0	565.35	578.79	611.40	640.57	652.86
32.5	561.42	575.35	608.78	638.60	651.39
33.0	557.49	571.91	605.83	636.96	649.75
33.5	553.55	568.47	603.21	635.00	647.94
34.0	549.79	564.86	600.26	633.03	646.47
34.5	545.85	561.42	597.47	631.23	644.83
35.0	541.92	557.98	594.69	629.26	643.19
35.5	537.99	554.21	591.74	627.30	641.23
36.0	533.89	550.60	589.11	625.33	639.59
36.5	529.63	547.00	586.33	623.20	637.62
37.0	525.37	543.39	583.54	621.07	635.82
37.5	521.27	539.63	580.59	618.94	634.18
38.0	517.01	535.86	577.64	616.81	632.05
38.5	512.75	531.92	574.86	614.68	630.25
39.0	508.33	528.15	572.07	612.55	628.28
39.5	504.39	524.39	568.96	610.25	626.31
40.0	502.59	520.29	566.01	607.96	624.35
40.5	502.75	516.52	563.06	605.67	622.38
41.0	499.15	512.75	560.11	603.54	620.25
41.5	490.14	509.96	557.00	601.08	618.12
42.0	482.43	507.02	553.88	598.78	615.99
42.5	477.03	501.94	550.93	596.32	614.02
43.0	472.44	496.86	547.82	594.03	611.73
43.5	467.85	492.43	544.54	591.57	609.76
44.0	463.10	488.33	541.59	589.11	607.47
44.5	458.18	484.24	538.31	586.66	605.34
45.0	453.59	479.98	535.04	584.03	603.21
45.5	449.01	475.88	531.92	581.74	600.91
46.0	443.93	471.62	528.65	579.12	598.62
46.5	439.34	467.52	525.37	576.66	596.32
47.0	434.26	463.10	521.93	574.04	593.87
47.5	429.34	458.84	518.65	571.42	591.74
48.0	424.42	454.41	515.21	568.79	589.44
48.5	419.51	450.48	511.93	566.17	587.15
49.0	414.43	446.55	508.49	563.39	584.69
49.5	409.51	442.78	505.05	560.76	582.23
50.0	404.43	439.01	501.94	558.31	579.94
50.5	399.35	435.08	498.33	555.68	577.48
51.0	394.27	431.14	494.89	552.90	575.02
51.5	389.03	427.05	491.45	550.11	572.73
52.0	384.11	422.95	488.01	547.66	570.11
52.5	379.03	418.85	484.57	544.71	567.65
53.0	373.79	414.92	480.96	542.08	565.19
53.5	370.51	410.66	477.52	539.13	562.90
54.0	370.68	406.07	474.08	536.51	560.11
54.5	368.05	401.32	470.64	533.89	557.65

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D7-I7-40-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

55.0	359.37	396.07	467.03	531.10	555.03
55.5	348.39	391.00	463.59	528.15	552.41
56.0	342.49	385.59	460.15	525.37	549.79
56.5	337.25	381.49	456.87	522.58	547.16
57.0	331.84	378.05	453.76	519.63	544.54
57.5	326.43	374.44	450.64	516.85	541.92
58.0	321.35	368.87	447.53	513.90	539.13
58.5	315.78	361.99	444.25	511.11	536.51
59.0	310.37	356.42	440.81	508.16	533.89
59.5	305.29	351.67	437.21	505.21	531.10
60.0	299.72	347.08	433.60	502.43	528.32
60.5	294.31	342.49	429.83	499.31	525.70
61.0	289.07	337.90	426.06	496.53	522.91
61.5	283.66	333.15	422.29	493.58	520.12
62.0	281.37	328.72	418.53	490.63	517.50
62.5	280.38	323.97	414.76	487.68	514.55
63.0	273.17	319.55	410.99	484.57	511.77
63.5	262.36	314.96	407.22	481.78	508.98
64.0	256.46	310.21	403.61	478.83	506.20
64.5	251.21	305.78	400.01	475.72	503.41
65.0	245.81	301.19	396.40	472.77	500.46
65.5	240.23	296.61	392.80	469.82	497.67
66.0	234.83	292.02	389.19	466.70	494.89
66.5	229.42	287.59	385.75	463.75	491.94
67.0	224.01	283.00	382.15	460.64	489.15
67.5	222.37	278.74	378.87	457.53	486.20
68.0	219.42	275.30	375.43	454.58	483.42
68.5	208.61	271.21	371.82	451.63	480.47
69.0	202.54	267.27	368.22	448.68	477.52
69.5	196.97	263.18	364.78	445.40	474.57
70.0	191.89	258.75	361.17	442.61	471.62
70.5	186.32	253.18	357.89	439.50	468.83
71.0	181.73	247.94	354.45	436.39	465.88
71.5	180.75	243.35	351.01	433.27	462.93
72.0	171.57	239.09	347.57	430.32	459.98
72.5	165.51	234.83	344.13	427.37	457.03
73.0	160.27	230.57	340.85	424.26	454.09
73.5	155.19	226.47	337.41	421.15	451.14
74.0	153.55	222.21	333.97	418.20	448.02
74.5	146.83	218.28	330.53	415.25	444.91
75.0	139.78	214.18	327.25	412.13	442.12
75.5	134.70	210.25	323.97	409.02	438.85
76.0	132.57	206.15	320.53	405.91	436.22
76.5	125.20	202.05	317.25	402.79	433.27
77.0	119.46	198.45	314.14	399.84	430.32
77.5	116.35	194.51	310.86	396.73	427.21
78.0	110.28	190.75	307.58	393.62	424.26
78.5	104.71	186.98	304.31	390.67	421.15
79.0	102.09	183.37	301.03	387.72	418.20
79.5	95.04	180.09	297.92	384.60	415.41
80.0	92.26	176.32	294.64	381.65	412.46
80.5	85.38	172.56	291.36	378.54	409.18
81.0	81.12	169.11	288.25	375.43	406.23
81.5	77.02	165.51	285.30	372.48	403.29
82.0	71.94	162.07	282.35	369.53	400.34
82.5	67.02	158.63	278.91	366.41	397.39

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D7-I7-40-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

83.0	62.76	155.35	276.12	363.46	394.11
83.5	58.17	152.07	273.01	360.52	391.16
84.0	52.93	148.79	269.89	357.40	388.37
84.5	48.51	145.68	266.78	354.29	385.42
85.0	43.59	142.57	263.67	351.34	382.15
85.5	38.84	139.62	260.72	348.39	379.20
86.0	34.41	136.67	257.93	345.28	376.41
86.5	29.82	133.72	254.98	342.33	373.46
87.0	25.24	130.93	252.20	339.38	370.35
87.5	19.99	127.98	249.08	336.43	367.40
88.0	15.57	125.36	246.13	333.48	364.61
88.5	10.82	122.58	243.18	330.36	361.50
89.0	6.39	119.95	240.56	327.58	358.55
89.5	1.97	117.33	237.61	324.63	355.60
90.0	1.15	114.87	234.83	321.68	352.65
90.5	1.80	112.74	232.70	319.55	350.68
91.0	3.44	110.28	229.91	316.76	347.73
91.5	7.70	108.15	227.29	313.81	344.78
92.0	12.29	105.86	224.67	311.03	341.67
92.5	17.53	103.73	222.04	308.08	338.88
93.0	22.94	101.76	219.26	305.29	336.10
93.5	28.51	99.96	216.80	302.50	332.98
94.0	34.09	98.16	214.01	299.56	330.04
94.5	39.33	97.18	211.72	296.61	327.09
95.0	44.74	97.01	209.26	293.98	324.30
95.5	50.31	97.99	206.80	291.20	321.19
96.0	55.88	100.62	204.35	288.41	318.56
96.5	61.78	104.55	202.05	285.46	315.61
97.0	67.51	110.28	199.92	282.84	312.83
97.5	73.41	117.66	197.96	280.05	310.04
98.0	78.99	125.85	196.48	277.27	307.09
98.5	85.38	134.05	195.33	274.65	304.14
99.0	91.28	141.91	194.84	272.35	301.36
99.5	97.67	149.29	194.68	270.06	298.90
100.0	103.73	156.50	195.33	268.09	296.61
100.5	110.12	163.22	196.64	266.29	294.15
101.0	116.68	169.61	198.61	264.65	292.02
101.5	123.23	176.00	201.56	263.67	290.05
102.0	129.79	182.39	205.33	262.68	288.58
102.5	136.50	188.45	210.25	262.36	287.43
103.0	143.39	194.84	216.31	262.52	286.61
103.5	150.27	200.91	223.03	263.01	285.95
104.0	157.15	207.13	230.57	264.16	285.95
104.5	164.03	213.36	239.25	265.96	286.28
105.0	171.24	219.75	248.10	268.42	287.10
105.5	178.45	226.31	257.44	271.53	288.41
106.0	185.67	232.53	266.62	275.47	290.38
106.5	193.04	239.41	275.79	280.22	293.00
107.0	200.41	245.97	284.81	285.63	296.28
107.5	207.95	252.69	293.66	292.34	300.21
108.0	215.49	259.24	302.18	299.39	305.13
108.5	223.03	266.13	310.37	307.09	310.53
109.0	230.73	273.01	318.56	315.61	316.93
109.5	238.27	279.73	326.43	324.46	324.14
110.0	246.30	286.94	334.30	333.97	332.00
110.5	254.00	293.82	341.83	343.31	340.36

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D7-I7-40-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

111.0	262.03	301.03	349.54	352.81	349.21
111.5	269.89	308.08	356.91	362.15	358.38
112.0	277.76	315.29	364.28	371.66	367.89
112.5	285.46	322.50	371.49	381.00	377.23
113.0	293.33	329.54	378.70	390.01	386.73
113.5	301.52	336.92	386.08	398.86	396.40
114.0	309.39	344.29	393.13	407.71	405.58
114.5	317.58	351.83	400.34	416.56	415.25
115.0	325.77	359.20	407.38	424.92	424.10
115.5	333.97	366.74	414.59	433.27	433.27
116.0	342.00	374.12	421.64	441.30	442.12
116.5	350.03	381.49	428.69	449.33	450.81
117.0	358.22	389.03	435.57	457.20	459.33
117.5	366.41	396.57	442.61	465.06	467.52
118.0	374.94	404.10	449.82	473.09	475.72
118.5	382.97	411.64	456.71	480.63	483.91
119.0	391.32	419.51	463.75	488.50	491.94
119.5	399.68	427.05	470.80	495.87	499.81
120.0	407.71	434.91	478.01	503.41	507.67
120.5	416.23	442.61	485.06	510.62	515.37
121.0	424.59	450.48	492.43	518.16	523.07
121.5	432.62	458.02	499.31	525.37	530.78
122.0	440.98	465.88	506.52	532.42	537.99
122.5	449.33	473.91	513.57	539.79	545.69
123.0	457.69	481.62	520.78	546.84	552.90
123.5	466.05	489.65	528.15	554.05	560.44
124.0	474.24	497.51	535.36	561.09	567.65
124.5	483.09	505.54	542.74	568.30	575.02
125.0	491.28	513.57	549.95	575.35	582.23
125.5	499.81	521.60	557.32	582.72	589.44
126.0	508.16	529.30	564.70	589.61	596.82
126.5	516.36	537.33	572.07	596.49	603.86
127.0	524.88	545.20	579.28	603.86	611.24
127.5	532.91	553.23	586.66	611.07	618.28
128.0	541.76	561.09	594.03	618.28	625.66
128.5	550.11	569.29	601.40	625.49	632.70
129.0	558.47	577.15	608.78	632.70	640.08
129.5	566.99	585.02	616.15	639.75	647.12
130.0	575.35	593.21	623.85	647.12	654.50
130.5	583.87	601.08	631.23	654.17	661.55
131.0	591.90	608.94	638.60	661.55	668.76
131.5	600.42	617.14	646.14	668.92	676.13
132.0	608.94	625.17	653.52	675.97	683.01
132.5	617.30	633.20	661.22	683.50	690.39
133.0	625.49	641.06	668.59	690.71	697.43
133.5	634.18	649.09	676.13	697.92	704.64
134.0	642.04	656.79	683.50	705.13	711.69
134.5	650.89	664.99	691.04	712.67	718.90
135.0	659.09	672.85	698.25	719.72	726.11
135.5	667.12	680.72	705.63	726.93	733.16
136.0	675.64	688.91	713.16	734.30	740.53
136.5	683.50	696.61	720.70	741.68	747.58
137.0	692.03	704.64	728.08	748.89	754.95
137.5	700.05	712.51	735.29	755.93	761.83
138.0	708.41	720.37	742.82	763.31	769.04
138.5	716.77	728.08	750.04	770.36	776.09

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D7-I7-40-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

139.0	724.80	736.11	757.74	777.40	783.30
139.5	732.50	743.81	764.78	784.45	790.35
140.0	740.53	751.35	771.99	791.49	797.23
140.5	748.72	759.21	779.37	798.87	804.28
141.0	756.43	766.91	786.58	805.75	811.32
141.5	764.62	774.62	794.12	812.80	818.21
142.0	772.81	782.15	801.49	819.68	825.09
142.5	781.01	789.53	808.54	826.73	832.30
143.0	788.38	797.07	815.75	833.61	839.02
143.5	796.25	804.77	822.96	840.49	846.06
144.0	804.28	811.98	830.00	847.37	852.62
144.5	811.65	819.19	837.05	854.09	859.34
145.0	818.86	826.73	843.93	860.81	866.06
145.5	826.40	833.94	850.65	867.37	872.61
146.0	834.10	841.31	857.86	874.25	879.33
146.5	841.48	848.36	864.58	880.80	885.72
147.0	849.18	855.24	871.46	887.36	892.11
147.5	856.55	862.29	877.85	893.91	898.67
148.0	863.60	869.66	884.90	900.47	905.22
148.5	871.14	876.54	891.46	906.86	911.28
149.0	878.02	883.26	898.01	913.09	917.51
149.5	885.06	889.98	904.57	919.64	923.90
150.0	891.78	896.37	910.79	925.70	929.80
150.5	898.50	903.25	917.35	932.10	936.03
151.0	905.38	909.97	923.57	938.16	942.09
151.5	912.43	916.69	929.97	944.22	948.15
152.0	919.15	922.92	936.03	950.12	953.89
152.5	925.54	929.47	942.26	956.02	959.79
153.0	932.10	935.37	948.32	961.92	965.36
153.5	938.65	941.27	954.05	967.49	970.93
154.0	945.21	947.50	960.12	973.39	976.50
154.5	951.43	953.89	965.69	978.96	981.91
155.0	957.50	960.12	971.59	984.53	987.32
155.5	963.39	965.85	977.16	989.94	992.40
156.0	969.46	971.75	982.73	995.35	997.64
156.5	975.19	977.16	988.30	1000.43	1002.89
157.0	981.26	982.90	993.71	1005.67	1007.97
157.5	986.99	988.14	998.79	1010.59	1012.72
158.0	992.56	993.55	1004.03	1015.51	1017.47
158.5	997.81	998.95	1008.95	1020.42	1022.39
159.0	1002.72	1004.20	1014.03	1025.34	1026.81
159.5	1008.13	1009.28	1018.62	1030.09	1031.24
160.0	1013.21	1014.03	1023.54	1034.68	1035.66
160.5	1018.29	1018.95	1028.29	1039.10	1040.09
161.0	1023.54	1023.86	1032.88	1043.53	1044.35
161.5	1028.45	1028.62	1037.46	1047.95	1048.28
162.0	1033.04	1033.20	1041.56	1052.05	1052.54
162.5	1037.46	1037.79	1045.82	1055.98	1056.47
163.0	1041.89	1042.22	1049.92	1059.91	1060.41
163.5	1045.99	1046.31	1053.85	1063.85	1064.01
164.0	1050.41	1050.57	1057.78	1067.62	1067.45
164.5	1054.67	1054.51	1061.39	1071.22	1071.22
165.0	1058.60	1058.60	1065.32	1074.83	1074.33
165.5	1062.70	1062.04	1068.76	1078.27	1077.78
166.0	1066.63	1065.81	1072.37	1081.71	1080.89
166.5	1070.24	1068.93	1075.81	1084.82	1084.00

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D7-I7-40-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

167.0	1073.52	1072.53	1078.76	1087.77	1087.12
167.5	1076.96	1075.97	1082.04	1090.72	1089.90
168.0	1080.23	1079.25	1085.15	1093.67	1092.85
168.5	1083.35	1082.36	1088.10	1096.29	1095.47
169.0	1086.30	1085.48	1090.89	1098.92	1098.10
169.5	1089.25	1088.26	1093.67	1101.54	1100.39
170.0	1092.03	1090.89	1096.29	1104.00	1102.85
170.5	1094.65	1093.51	1098.92	1106.29	1104.98
171.0	1096.95	1095.97	1101.05	1108.42	1107.27
171.5	1099.41	1098.26	1103.34	1110.55	1109.08
172.0	1101.70	1100.55	1105.47	1112.52	1111.21
172.5	1103.83	1102.52	1107.27	1114.48	1113.01
173.0	1105.63	1104.49	1109.08	1115.96	1114.81
173.5	1107.60	1106.29	1110.71	1117.76	1116.61
174.0	1109.40	1107.93	1112.52	1119.24	1118.09
174.5	1110.88	1109.40	1113.83	1120.55	1119.40
175.0	1112.19	1110.88	1115.14	1122.02	1120.71
175.5	1113.83	1112.68	1116.45	1122.35	1121.53
176.0	1115.47	1114.32	1117.60	1122.84	1122.19
176.5	1116.78	1115.79	1118.74	1123.33	1122.51
177.0	1117.92	1117.27	1119.73	1123.66	1123.00
177.5	1119.07	1118.58	1120.55	1123.82	1123.33
178.0	1120.22	1119.56	1121.20	1123.82	1123.50
178.5	1120.87	1120.55	1121.86	1123.66	1123.50
179.0	1121.69	1121.37	1122.19	1123.50	1123.33
179.5	1122.19	1122.02	1122.35	1123.00	1123.00
180.0	1122.68	1122.68	1122.68	1122.68	1122.68

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D7-I7-40-80-FWD-XX-WH-CW-LVPW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	256.99	N.A.	4.30
0-30	553.42	N.A.	9.20
0-40	925.27	N.A.	15.40
0-60	1750.12	N.A.	29.20
0-80	2462.31	N.A.	41.00
0-90	2727.43	N.A.	45.50
10-90	2661.48	N.A.	44.40
20-40	668.28	N.A.	11.10
20-50	1079.33	N.A.	18.00
40-70	1207.73	N.A.	20.10
60-80	712.18	N.A.	11.90
70-80	329.30	N.A.	5.50
80-90	265.13	N.A.	4.40
90-110	479.98	N.A.	8.00
90-120	866.91	N.A.	14.40
90-130	1353.55	N.A.	22.60
90-150	2418.21	N.A.	40.30
90-180	3272.36	N.A.	54.50
110-180	2792.38	N.A.	46.50
0-180	5999.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	65.95
10-20	191.04
20-30	296.43
30-40	371.85
40-50	411.05
50-60	413.80
60-70	382.88
70-80	329.30
80-90	265.13
90-100	219.04
100-110	260.94
110-120	386.93
120-130	486.64
130-140	537.10
140-150	527.56
150-160	447.61
160-170	300.60
170-180	105.94

IES INDOOR REPORT

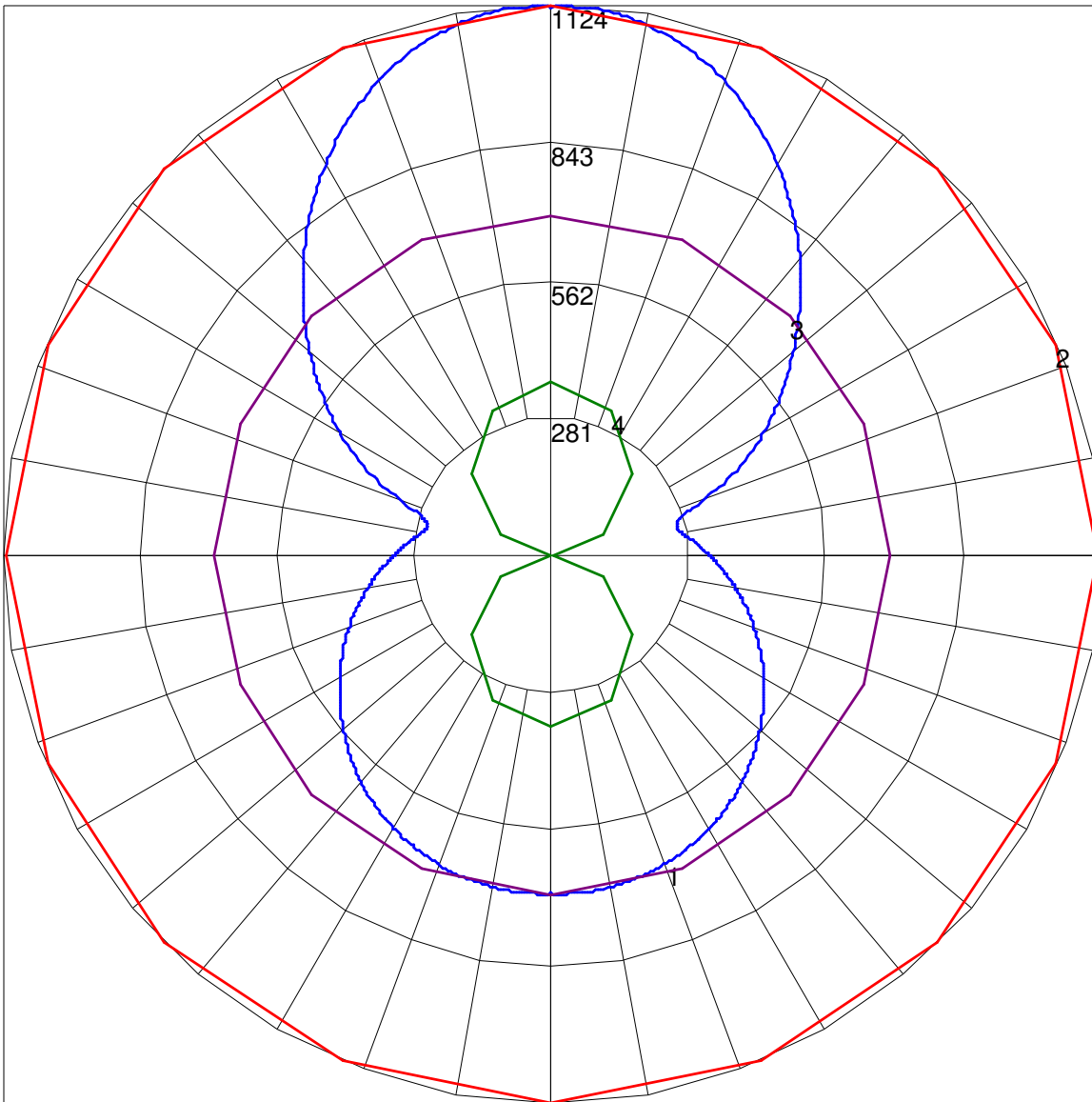
PHOTOMETRIC FILENAME : COB-PD-4-D7-I7-40-80-FWD-XX-WH-CW-LVPW.IES

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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45
1	95	90	85	81	86	82	78	74	68	65	62	55	53	51	43	41	40	34
2	85	77	70	64	78	71	65	59	58	54	50	47	44	41	36	34	32	27
3	78	67	59	53	70	61	54	49	51	45	41	41	37	34	32	29	26	22
4	71	59	50	44	64	54	47	41	45	39	34	36	32	28	28	25	22	18
5	65	52	44	37	59	48	40	35	40	34	29	32	28	24	25	22	19	16
6	59	47	38	32	54	43	35	30	36	30	25	29	24	21	23	19	17	13
7	55	42	34	28	50	39	31	26	32	26	22	26	22	18	20	17	15	12
8	51	38	30	24	46	35	28	23	29	23	19	24	19	16	19	15	13	10
9	47	35	27	22	43	32	25	20	27	21	17	22	17	14	17	14	12	9
10	44	32	24	19	40	29	22	18	25	19	15	20	16	13	16	13	10	8

POLAR GRAPH



Maximum Candela = 1123.82 Located At Horizontal Angle = 67.5, Vertical Angle = 177.5
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (177.5) (Through Max. Cd.)
3 - Horizontal Cone Through Vertical Angle (2)
4 - Horizontal Cone Through Vertical Angle (90)