



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : COB-PD-4-D5-I5-30-80-FWD-XX-WH-CW-LVPW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LLIA002143-001
[TESTLAB] LightLab International Allentown, LLC
[ISSUEDATE] 6/21/2023
[MANUFAC] Picasso Lighting Industries, LLC
[LUMCAT] COB-PD-4-D5-I5-30-80-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] One ERP PSB50W-1200-42 LED driver labeled as 940mA
[OTHER] 120.0Vac, 60.00Hz, 0.3025A, 38.72W, 0.976PF, 14.6%THD(i)
[OTHER] This test was performed using the absolute method of photometry.
[MORE] Lamp lumens value was set to -1

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)	103
Total Luminaire Watts	38.72
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	4426	3693	3766
55	4255	3496	3668
65	3848	3353	3631
75	3380	3297	3679
85	2480	3411	3865

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	463.32	463.32	463.32	463.32	463.32
0.5	463.21	463.21	463.32	463.54	463.64
1.0	462.99	462.99	463.21	463.64	463.86
1.5	462.77	462.66	463.10	463.75	464.19
2.0	462.44	462.44	462.99	463.86	464.41
2.5	462.01	462.01	462.77	463.86	464.52
3.0	461.68	461.68	462.55	463.86	464.74
3.5	461.24	461.24	462.33	463.97	464.96
4.0	460.69	460.80	462.11	464.08	465.06
4.5	460.15	460.26	461.90	464.08	465.39
5.0	459.60	459.71	461.57	464.19	465.72
5.5	459.06	459.27	461.24	463.97	465.50
6.0	458.51	458.84	460.91	463.75	465.39
6.5	457.96	458.40	460.59	463.54	465.28
7.0	457.31	457.85	460.15	463.32	465.06
7.5	456.76	457.31	459.82	463.10	464.85
8.0	456.11	456.65	459.38	462.77	464.74
8.5	455.34	456.00	458.95	462.55	464.52
9.0	454.47	455.23	458.40	462.22	464.30
9.5	453.81	454.69	457.96	461.90	464.08
10.0	452.94	453.81	457.42	461.57	463.64
10.5	452.06	453.05	456.76	461.24	463.54
11.0	451.08	452.17	456.11	460.80	463.10
11.5	450.10	451.30	455.56	460.37	462.77
12.0	449.11	450.32	454.90	460.15	462.33
12.5	448.02	449.44	454.14	459.60	462.11
13.0	446.82	448.46	453.48	459.06	461.79
13.5	445.73	447.48	452.83	458.62	461.24
14.0	444.64	446.38	452.06	458.18	460.91
14.5	443.32	445.29	451.19	457.64	460.48
15.0	442.12	444.09	450.43	457.09	460.26
15.5	440.81	442.89	449.55	456.54	459.71
16.0	439.39	441.79	448.68	456.00	459.27
16.5	437.97	440.48	447.69	455.34	458.73
17.0	436.66	439.28	446.82	454.80	458.29
17.5	435.02	437.86	445.84	454.14	457.64
18.0	433.60	436.66	444.85	453.48	457.31
18.5	432.07	435.24	443.76	452.83	456.65
19.0	430.43	433.71	442.78	452.06	456.11
19.5	428.79	432.29	441.79	451.41	455.56
20.0	427.05	430.87	440.59	450.64	454.90
20.5	425.52	429.34	439.61	449.88	454.25
21.0	423.66	427.70	438.41	449.11	453.59
21.5	421.91	426.17	437.21	448.24	452.94
22.0	420.16	424.53	436.00	447.48	452.39
22.5	418.31	422.90	434.80	446.60	451.63
23.0	416.45	421.26	433.60	445.84	450.97
23.5	414.59	419.62	432.29	444.85	450.21
24.0	412.74	417.87	430.98	443.98	449.44
24.5	410.66	416.01	429.67	443.00	448.68
25.0	408.58	414.26	428.36	442.12	448.02
25.5	406.62	412.30	426.94	441.14	447.15
26.0	404.43	410.55	425.52	440.16	446.38
26.5	402.25	408.69	424.10	439.17	445.51

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D5-I5-30-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

27.0	400.17	406.73	422.68	438.19	444.64
27.5	397.99	404.76	421.26	437.21	443.87
28.0	395.80	402.79	419.73	436.11	442.89
28.5	393.62	400.83	418.20	434.91	442.01
29.0	391.10	398.64	416.78	433.93	441.03
29.5	388.81	396.57	415.25	432.84	440.16
30.0	386.52	394.60	413.83	431.63	439.17
30.5	384.22	392.42	412.30	430.54	438.19
31.0	381.71	390.23	410.88	429.34	437.21
31.5	379.31	387.94	409.24	428.25	436.33
32.0	376.90	385.86	407.60	427.05	435.24
32.5	374.28	383.57	405.85	425.74	434.26
33.0	371.66	381.27	403.89	424.64	433.16
33.5	369.04	378.98	402.14	423.33	431.96
34.0	366.52	376.57	400.17	422.02	430.98
34.5	363.90	374.28	398.31	420.82	429.89
35.0	361.28	371.99	396.46	419.51	428.79
35.5	358.66	369.47	394.49	418.20	427.48
36.0	355.93	367.07	392.74	416.89	426.39
36.5	353.09	364.67	390.89	415.47	425.08
37.0	350.25	362.26	389.03	414.05	423.88
37.5	347.51	359.75	387.06	412.63	422.79
38.0	344.67	357.24	385.10	411.21	421.37
38.5	341.83	354.62	383.24	409.79	420.16
39.0	338.88	352.10	381.38	408.37	418.85
39.5	336.26	349.59	379.31	406.84	417.54
40.0	335.06	346.86	377.34	405.31	416.23
40.5	335.17	344.35	375.37	403.78	414.92
41.0	332.77	341.83	373.41	402.36	413.50
41.5	326.76	339.98	371.33	400.72	412.08
42.0	321.62	338.01	369.25	399.19	410.66
42.5	318.02	334.62	367.29	397.55	409.35
43.0	314.96	331.24	365.21	396.02	407.82
43.5	311.90	328.29	363.03	394.38	406.51
44.0	308.73	325.56	361.06	392.74	404.98
44.5	305.45	322.82	358.88	391.10	403.56
45.0	302.40	319.98	356.69	389.36	402.14
45.5	299.34	317.25	354.62	387.83	400.61
46.0	295.95	314.41	352.43	386.08	399.08
46.5	292.89	311.68	350.25	384.44	397.55
47.0	289.50	308.73	347.95	382.69	395.91
47.5	286.23	305.89	345.77	380.94	394.49
48.0	282.95	302.94	343.47	379.20	392.96
48.5	279.67	300.32	341.29	377.45	391.43
49.0	276.29	297.70	338.99	375.59	389.79
49.5	273.01	295.19	336.70	373.84	388.15
50.0	269.62	292.67	334.62	372.20	386.63
50.5	266.23	290.05	332.22	370.46	384.99
51.0	262.85	287.43	329.93	368.60	383.35
51.5	259.35	284.70	327.63	366.74	381.82
52.0	256.07	281.97	325.34	365.10	380.07
52.5	252.69	279.24	323.04	363.14	378.43
53.0	249.19	276.61	320.64	361.39	376.79
53.5	247.01	273.77	318.35	359.42	375.26
54.0	247.12	270.71	316.05	357.67	373.41
54.5	245.37	267.55	313.76	355.93	371.77

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D5-I5-30-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

55.0	239.58	264.05	311.35	354.07	370.02
55.5	232.26	260.66	309.06	352.10	368.27
56.0	228.33	257.06	306.77	350.25	366.52
56.5	224.83	254.33	304.58	348.39	364.78
57.0	221.23	252.03	302.50	346.42	363.03
57.5	217.62	249.63	300.43	344.57	361.28
58.0	214.23	245.91	298.35	342.60	359.42
58.5	210.52	241.33	296.17	340.74	357.67
59.0	206.91	237.61	293.87	338.77	355.93
59.5	203.53	234.44	291.47	336.81	354.07
60.0	199.81	231.39	289.07	334.95	352.21
60.5	196.21	228.33	286.55	332.88	350.46
61.0	192.71	225.27	284.04	331.02	348.61
61.5	189.11	222.10	281.53	329.05	346.75
62.0	187.58	219.15	279.02	327.09	345.00
62.5	186.92	215.98	276.50	325.12	343.04
63.0	182.11	213.03	273.99	323.04	341.18
63.5	174.90	209.97	271.48	321.19	339.32
64.0	170.97	206.80	269.08	319.22	337.46
64.5	167.48	203.85	266.67	317.14	335.61
65.0	163.87	200.80	264.27	315.18	333.64
65.5	160.16	197.74	261.87	313.21	331.78
66.0	156.55	194.68	259.46	311.14	329.93
66.5	152.95	191.73	257.17	309.17	327.96
67.0	149.34	188.67	254.76	307.09	326.10
67.5	148.25	185.83	252.58	305.02	324.14
68.0	146.28	183.53	250.28	303.05	322.28
68.5	139.07	180.80	247.88	301.08	320.31
69.0	135.03	178.18	245.48	299.12	318.35
69.5	131.31	175.45	243.18	296.93	316.38
70.0	127.93	172.50	240.78	295.08	314.41
70.5	124.21	168.79	238.60	293.00	312.56
71.0	121.15	165.29	236.30	290.92	310.59
71.5	120.50	162.23	234.01	288.85	308.62
72.0	114.38	159.39	231.71	286.88	306.66
72.5	110.34	156.55	229.42	284.92	304.69
73.0	106.84	153.71	227.23	282.84	302.72
73.5	103.46	150.98	224.94	280.76	300.76
74.0	102.36	148.14	222.65	278.80	298.68
74.5	97.89	145.52	220.35	276.83	296.61
75.0	93.19	142.79	218.17	274.76	294.75
75.5	89.80	140.16	215.98	272.68	292.56
76.0	88.38	137.43	213.69	270.60	290.82
76.5	83.46	134.70	211.50	268.53	288.85
77.0	79.64	132.30	209.43	266.56	286.88
77.5	77.57	129.68	207.24	264.49	284.81
78.0	73.52	127.16	205.06	262.41	282.84
78.5	69.81	124.65	202.87	260.44	280.76
79.0	68.06	122.25	200.69	258.48	278.80
79.5	63.36	120.06	198.61	256.40	276.94
80.0	61.51	117.55	196.43	254.44	274.97
80.5	56.92	115.04	194.24	252.36	272.79
81.0	54.08	112.74	192.17	250.28	270.82
81.5	51.35	110.34	190.20	248.32	268.86
82.0	47.96	108.05	188.23	246.35	266.89
82.5	44.68	105.75	185.94	244.28	264.92

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D5-I5-30-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

83.0	41.84	103.57	184.08	242.31	262.74
83.5	38.78	101.38	182.01	240.34	260.77
84.0	35.29	99.20	179.93	238.27	258.92
84.5	32.34	97.12	177.85	236.19	256.95
85.0	29.06	95.04	175.78	234.23	254.76
85.5	25.89	93.08	173.81	232.26	252.80
86.0	22.94	91.11	171.95	230.18	250.94
86.5	19.88	89.15	169.99	228.22	248.97
87.0	16.82	87.29	168.13	226.25	246.90
87.5	13.33	85.32	166.06	224.28	244.93
88.0	10.38	83.57	164.09	222.32	243.07
88.5	7.21	81.72	162.12	220.24	241.00
89.0	4.26	79.97	160.37	218.38	239.03
89.5	1.31	78.22	158.41	216.42	237.07
90.0	0.76	76.58	156.55	214.45	235.10
90.5	1.20	75.16	155.13	213.03	233.79
91.0	2.29	73.52	153.27	211.17	231.82
91.5	5.13	72.10	151.53	209.21	229.86
92.0	8.19	70.57	149.78	207.35	227.78
92.5	11.69	69.15	148.03	205.38	225.92
93.0	15.29	67.84	146.17	203.53	224.07
93.5	19.01	66.64	144.53	201.67	221.99
94.0	22.72	65.44	142.68	199.70	220.02
94.5	26.22	64.78	141.15	197.74	218.06
95.0	29.82	64.67	139.51	195.99	216.20
95.5	33.54	65.33	137.87	194.13	214.12
96.0	37.25	67.08	136.23	192.27	212.38
96.5	41.19	69.70	134.70	190.31	210.41
97.0	45.01	73.52	133.28	188.56	208.55
97.5	48.94	78.44	131.97	186.70	206.70
98.0	52.66	83.90	130.99	184.85	204.73
98.5	56.92	89.36	130.22	183.10	202.76
99.0	60.85	94.61	129.89	181.57	200.91
99.5	65.11	99.52	129.79	180.04	199.27
100.0	69.15	104.33	130.22	178.73	197.74
100.5	73.41	108.81	131.10	177.53	196.10
101.0	77.78	113.07	132.41	176.43	194.68
101.5	82.15	117.33	134.37	175.78	193.37
102.0	86.52	121.59	136.89	175.12	192.38
102.5	91.00	125.63	140.16	174.90	191.62
103.0	95.59	129.89	144.21	175.01	191.07
103.5	100.18	133.94	148.69	175.34	190.64
104.0	104.77	138.09	153.71	176.11	190.64
104.5	109.36	142.24	159.50	177.31	190.85
105.0	114.16	146.50	165.40	178.95	191.40
105.5	118.97	150.87	171.63	181.02	192.27
106.0	123.78	155.02	177.74	183.64	193.59
106.5	128.69	159.61	183.86	186.81	195.33
107.0	133.61	163.98	189.87	190.42	197.52
107.5	138.63	168.46	195.77	194.90	200.14
108.0	143.66	172.83	201.45	199.59	203.42
108.5	148.69	177.42	206.91	204.73	207.02
109.0	153.82	182.01	212.38	210.41	211.28
109.5	158.85	186.48	217.62	216.31	216.09
110.0	164.20	191.29	222.86	222.65	221.33
110.5	169.33	195.88	227.89	228.87	226.91

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111.0	174.69	200.69	233.02	235.21	232.81
111.5	179.93	205.38	237.94	241.44	238.92
112.0	185.17	210.19	242.86	247.77	245.26
112.5	190.31	215.00	247.66	254.00	251.49
113.0	195.55	219.70	252.47	260.01	257.82
113.5	201.01	224.61	257.39	265.91	264.27
114.0	206.26	229.53	262.08	271.81	270.39
114.5	211.72	234.55	266.89	277.71	276.83
115.0	217.18	239.47	271.59	283.28	282.73
115.5	222.65	244.49	276.39	288.85	288.85
116.0	228.00	249.41	281.09	294.20	294.75
116.5	233.35	254.33	285.79	299.56	300.54
117.0	238.81	259.35	290.38	304.80	306.22
117.5	244.28	264.38	295.08	310.04	311.68
118.0	249.96	269.40	299.88	315.40	317.14
118.5	255.31	274.43	304.47	320.42	322.61
119.0	260.88	279.67	309.17	325.67	327.96
119.5	266.45	284.70	313.87	330.58	333.20
120.0	271.81	289.94	318.67	335.61	338.45
120.5	277.49	295.08	323.37	340.41	343.58
121.0	283.06	300.32	328.29	345.44	348.72
121.5	288.41	305.35	332.88	350.25	353.85
122.0	293.98	310.59	337.68	354.94	358.66
122.5	299.56	315.94	342.38	359.86	363.79
123.0	305.13	321.08	347.19	364.56	368.60
123.5	310.70	326.43	352.10	369.36	373.62
124.0	316.16	331.67	356.91	374.06	378.43
124.5	322.06	337.03	361.83	378.87	383.35
125.0	327.52	342.38	366.63	383.57	388.15
125.5	333.20	347.73	371.55	388.48	392.96
126.0	338.77	352.87	376.47	393.07	397.88
126.5	344.24	358.22	381.38	397.66	402.58
127.0	349.92	363.46	386.19	402.58	407.49
127.5	355.27	368.82	391.10	407.38	412.19
128.0	361.17	374.06	396.02	412.19	417.11
128.5	366.74	379.52	400.94	417.00	421.80
129.0	372.31	384.77	405.85	421.80	426.72
129.5	377.99	390.01	410.77	426.50	431.42
130.0	383.57	395.47	415.90	431.42	436.33
130.5	389.25	400.72	420.82	436.11	441.03
131.0	394.60	405.96	425.74	441.03	445.84
131.5	400.28	411.42	430.76	445.95	450.75
132.0	405.96	416.78	435.68	450.64	455.34
132.5	411.53	422.13	440.81	455.67	460.26
133.0	417.00	427.37	445.73	460.48	464.96
133.5	422.79	432.73	450.75	465.28	469.76
134.0	428.03	437.86	455.67	470.09	474.46
134.5	433.93	443.32	460.69	475.12	479.27
135.0	439.39	448.57	465.50	479.81	484.07
135.5	444.74	453.81	470.42	484.62	488.77
136.0	450.43	459.27	475.44	489.54	493.69
136.5	455.67	464.41	480.47	494.45	498.38
137.0	461.35	469.76	485.38	499.26	503.30
137.5	466.70	475.01	490.19	503.96	507.89
138.0	472.27	480.25	495.22	508.87	512.70
138.5	477.85	485.38	500.02	513.57	517.39

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D5-I5-30-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

139.0	483.20	490.74	505.16	518.27	522.20
139.5	488.33	495.87	509.86	522.97	526.90
140.0	493.69	500.90	514.66	527.66	531.49
140.5	499.15	506.14	519.58	532.58	536.18
141.0	504.28	511.28	524.39	537.17	540.88
141.5	509.75	516.41	529.41	541.87	545.47
142.0	515.21	521.44	534.33	546.45	550.06
142.5	520.67	526.35	539.02	551.15	554.87
143.0	525.59	531.38	543.83	555.74	559.34
143.5	530.83	536.51	548.64	560.33	564.04
144.0	536.18	541.32	553.34	564.92	568.41
144.5	541.10	546.13	558.03	569.40	572.89
145.0	545.91	551.15	562.62	573.87	577.37
145.5	550.93	555.96	567.10	578.24	581.74
146.0	556.07	560.87	571.91	582.83	586.22
146.5	560.98	565.57	576.39	587.20	590.48
147.0	566.12	570.16	580.98	591.57	594.74
147.5	571.03	574.86	585.24	595.94	599.11
148.0	575.73	579.77	589.93	600.31	603.48
148.5	580.76	584.36	594.30	604.57	607.52
149.0	585.35	588.84	598.67	608.72	611.67
149.5	590.04	593.32	603.04	613.09	615.93
150.0	594.52	597.58	607.19	617.14	619.87
150.5	599.00	602.17	611.56	621.40	624.02
151.0	603.59	606.65	615.72	625.44	628.06
151.5	608.29	611.13	619.98	629.48	632.10
152.0	612.77	615.28	624.02	633.41	635.93
152.5	617.03	619.65	628.17	637.35	639.86
153.0	621.40	623.58	632.21	641.28	643.57
153.5	625.77	627.51	636.04	644.99	647.29
154.0	630.14	631.67	640.08	648.93	651.00
154.5	634.29	635.93	643.79	652.64	654.61
155.0	638.33	640.08	647.73	656.36	658.21
155.5	642.26	643.90	651.44	659.96	661.60
156.0	646.31	647.83	655.15	663.57	665.10
156.5	650.13	651.44	658.87	666.95	668.59
157.0	654.17	655.26	662.47	670.45	671.98
157.5	657.99	658.76	665.86	673.73	675.15
158.0	661.71	662.36	669.36	677.00	678.31
158.5	665.20	665.97	672.63	680.28	681.59
159.0	668.48	669.47	676.02	683.56	684.54
159.5	672.09	672.85	679.08	686.73	687.49
160.0	675.47	676.02	682.36	689.79	690.44
160.5	678.86	679.30	685.52	692.74	693.39
161.0	682.36	682.58	688.58	695.68	696.23
161.5	685.63	685.74	691.64	698.63	698.85
162.0	688.69	688.80	694.37	701.37	701.69
162.5	691.64	691.86	697.21	703.99	704.32
163.0	694.59	694.81	699.95	706.61	706.94
163.5	697.32	697.54	702.57	709.23	709.34
164.0	700.27	700.38	705.19	711.74	711.63
164.5	703.11	703.00	707.59	714.15	714.15
165.0	705.74	705.74	710.21	716.55	716.22
165.5	708.47	708.03	712.51	718.85	718.52
166.0	711.09	710.54	714.91	721.14	720.59
166.5	713.49	712.62	717.21	723.22	722.67

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D5-I5-30-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

167.0	715.68	715.02	719.17	725.18	724.74
167.5	717.97	717.32	721.36	727.15	726.60
168.0	720.16	719.50	723.43	729.11	728.57
168.5	722.23	721.58	725.40	730.86	730.32
169.0	724.20	723.65	727.26	732.61	732.06
169.5	726.16	725.51	729.11	734.36	733.59
170.0	728.02	727.26	730.86	736.00	735.23
170.5	729.77	729.01	732.61	737.53	736.65
171.0	731.30	730.64	734.03	738.95	738.18
171.5	732.94	732.17	735.56	740.37	739.38
172.0	734.47	733.70	736.98	741.68	740.80
172.5	735.89	735.01	738.18	742.99	742.01
173.0	737.09	736.32	739.38	743.97	743.21
173.5	738.40	737.53	740.48	745.17	744.41
174.0	739.60	738.62	741.68	746.16	745.39
174.5	740.59	739.60	742.55	747.03	746.27
175.0	741.46	740.59	743.43	748.01	747.14
175.5	742.55	741.79	744.30	748.23	747.69
176.0	743.64	742.88	745.06	748.56	748.12
176.5	744.52	743.86	745.83	748.89	748.34
177.0	745.28	744.85	746.48	749.11	748.67
177.5	746.05	745.72	747.03	749.22	748.89
178.0	746.81	746.38	747.47	749.22	749.00
178.5	747.25	747.03	747.90	749.11	749.00
179.0	747.80	747.58	748.12	749.00	748.89
179.5	748.12	748.01	748.23	748.67	748.67
180.0	748.45	748.45	748.45	748.45	748.45

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D5-I5-30-80-FWD-XX-WH-CW-LVPW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	171.32	N.A.	4.30
0-30	368.95	N.A.	9.20
0-40	616.85	N.A.	15.40
0-60	1166.75	N.A.	29.20
0-80	1641.54	N.A.	41.00
0-90	1818.29	N.A.	45.50
10-90	1774.32	N.A.	44.40
20-40	445.52	N.A.	11.10
20-50	719.56	N.A.	18.00
40-70	805.15	N.A.	20.10
60-80	474.79	N.A.	11.90
70-80	219.53	N.A.	5.50
80-90	176.75	N.A.	4.40
90-110	319.98	N.A.	8.00
90-120	577.94	N.A.	14.40
90-130	902.37	N.A.	22.60
90-150	1612.14	N.A.	40.30
90-180	2181.57	N.A.	54.50
110-180	1861.59	N.A.	46.50
0-180	3999.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	43.97
10-20	127.36
20-30	197.62
30-40	247.90
40-50	274.03
50-60	275.87
60-70	255.25
70-80	219.53
80-90	176.75
90-100	146.03
100-110	173.96
110-120	257.95
120-130	324.43
130-140	358.07
140-150	351.71
150-160	298.41
160-170	200.40
170-180	70.62

IES INDOOR REPORT

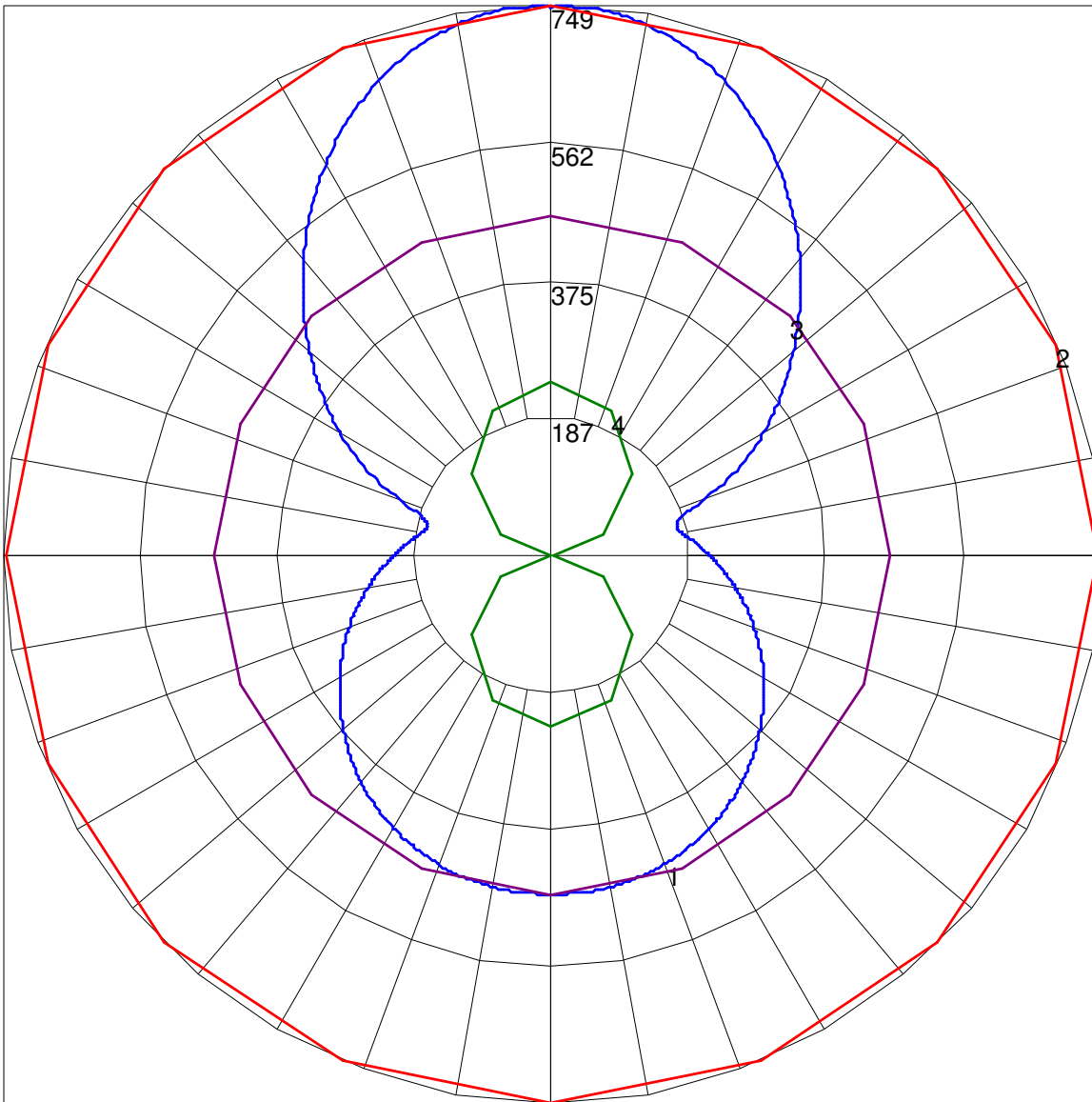
PHOTOMETRIC FILENAME : COB-PD-4-D5-I5-30-80-FWD-XX-WH-CW-LVPW.IES

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 = 749.22 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)