



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : COB-PD-4-D3-I3-30-80-FWD-XX-WH-CW-LVPW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA002143-001

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/21/2023

[MANUFAC] Picasso Lighting Industries, LLC

[LUMCAT] COB-PD-4-D3-I3-30-80-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]

[OTHER] 120.0Vac, 60.00Hz, 27.1W, 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	2800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	27.1
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	3098	2585	2636
55	2978	2448	2568
65	2694	2347	2542
75	2366	2308	2575
85	1736	2388	2706

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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	324.32	324.32	324.32	324.32	324.32
0.5	324.25	324.25	324.32	324.47	324.55
1.0	324.09	324.09	324.25	324.55	324.70
1.5	323.94	323.86	324.17	324.63	324.93
2.0	323.71	323.71	324.09	324.70	325.09
2.5	323.40	323.40	323.94	324.70	325.16
3.0	323.17	323.17	323.79	324.70	325.32
3.5	322.87	322.87	323.63	324.78	325.47
4.0	322.49	322.56	323.48	324.86	325.55
4.5	322.10	322.18	323.33	324.86	325.77
5.0	321.72	321.80	323.10	324.93	326.00
5.5	321.34	321.49	322.87	324.78	325.85
6.0	320.96	321.19	322.64	324.63	325.77
6.5	320.57	320.88	322.41	324.47	325.70
7.0	320.12	320.50	322.10	324.32	325.55
7.5	319.73	320.12	321.87	324.17	325.39
8.0	319.27	319.66	321.57	323.94	325.32
8.5	318.74	319.20	321.26	323.79	325.16
9.0	318.13	318.66	320.88	323.56	325.01
9.5	317.67	318.28	320.57	323.33	324.86
10.0	317.06	317.67	320.19	323.10	324.55
10.5	316.44	317.13	319.73	322.87	324.47
11.0	315.76	316.52	319.27	322.56	324.17
11.5	315.07	315.91	318.89	322.26	323.94
12.0	314.38	315.22	318.43	322.10	323.63
12.5	313.62	314.61	317.90	321.72	323.48
13.0	312.77	313.92	317.44	321.34	323.25
13.5	312.01	313.23	316.98	321.03	322.87
14.0	311.24	312.47	316.44	320.73	322.64
14.5	310.33	311.70	315.83	320.34	322.33
15.0	309.49	310.86	315.30	319.96	322.18
15.5	308.57	310.02	314.69	319.58	321.80
16.0	307.57	309.26	314.07	319.20	321.49
16.5	306.58	308.34	313.39	318.74	321.11
17.0	305.66	307.50	312.77	318.36	320.80
17.5	304.52	306.50	312.09	317.90	320.34
18.0	303.52	305.66	311.40	317.44	320.12
18.5	302.45	304.67	310.63	316.98	319.66
19.0	301.30	303.60	309.94	316.44	319.27
19.5	300.16	302.60	309.26	315.99	318.89
20.0	298.93	301.61	308.42	315.45	318.43
20.5	297.86	300.54	307.73	314.92	317.97
21.0	296.56	299.39	306.89	314.38	317.52
21.5	295.34	298.32	306.04	313.77	317.06
22.0	294.11	297.17	305.20	313.23	316.67
22.5	292.81	296.03	304.36	312.62	316.14
23.0	291.51	294.88	303.52	312.09	315.68
23.5	290.21	293.73	302.60	311.40	315.14
24.0	288.91	292.51	301.69	310.79	314.61
24.5	287.46	291.21	300.77	310.10	314.07
25.0	286.01	289.99	299.85	309.49	313.62
25.5	284.63	288.61	298.86	308.80	313.00
26.0	283.10	287.39	297.86	308.11	312.47
26.5	281.57	286.09	296.87	307.42	311.86

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D3-I3-30-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

27.0	280.12	284.71	295.87	306.73	311.24
27.5	278.59	283.33	294.88	306.04	310.71
28.0	277.06	281.96	293.81	305.28	310.02
28.5	275.53	280.58	292.74	304.44	309.41
29.0	273.77	279.05	291.74	303.75	308.72
29.5	272.17	277.60	290.67	302.99	308.11
30.0	270.56	276.22	289.68	302.14	307.42
30.5	268.96	274.69	288.61	301.38	306.73
31.0	267.20	273.16	287.61	300.54	306.04
31.5	265.51	271.56	286.47	299.77	305.43
32.0	263.83	270.10	285.32	298.93	304.67
32.5	262.00	268.50	284.10	298.01	303.98
33.0	260.16	266.89	282.72	297.25	303.22
33.5	258.33	265.28	281.50	296.33	302.37
34.0	256.57	263.60	280.12	295.41	301.69
34.5	254.73	262.00	278.82	294.57	300.92
35.0	252.90	260.39	277.52	293.66	300.16
35.5	251.06	258.63	276.14	292.74	299.24
36.0	249.15	256.95	274.92	291.82	298.47
36.5	247.16	255.27	273.62	290.83	297.56
37.0	245.17	253.58	272.32	289.83	296.71
37.5	243.26	251.83	270.94	288.84	295.95
38.0	241.27	250.07	269.57	287.84	294.96
38.5	239.28	248.23	268.27	286.85	294.11
39.0	237.22	246.47	266.97	285.86	293.20
39.5	235.38	244.71	265.51	284.79	292.28
40.0	234.54	242.80	264.14	283.71	291.36
40.5	234.62	241.04	262.76	282.64	290.44
41.0	232.94	239.28	261.38	281.65	289.45
41.5	228.73	237.98	259.93	280.50	288.46
42.0	225.14	236.61	258.48	279.43	287.46
42.5	222.61	234.24	257.10	278.28	286.54
43.0	220.47	231.87	255.65	277.21	285.47
43.5	218.33	229.80	254.12	276.07	284.56
44.0	216.11	227.89	252.74	274.92	283.49
44.5	213.82	225.98	251.21	273.77	282.49
45.0	211.68	223.99	249.68	272.55	281.50
45.5	209.54	222.08	248.23	271.48	280.43
46.0	207.17	220.09	246.70	270.26	279.36
46.5	205.02	218.18	245.17	269.11	278.28
47.0	202.65	216.11	243.57	267.88	277.14
47.5	200.36	214.12	242.04	266.66	276.14
48.0	198.06	212.06	240.43	265.44	275.07
48.5	195.77	210.22	238.90	264.21	274.00
49.0	193.40	208.39	237.30	262.91	272.86
49.5	191.11	206.63	235.69	261.69	271.71
50.0	188.74	204.87	234.24	260.54	270.64
50.5	186.36	203.04	232.55	259.32	269.49
51.0	183.99	201.20	230.95	258.02	268.34
51.5	181.55	199.29	229.34	256.72	267.27
52.0	179.25	197.38	227.74	255.57	266.05
52.5	176.88	195.46	226.13	254.20	264.90
53.0	174.43	193.63	224.45	252.97	263.76
53.5	172.91	191.64	222.84	251.60	262.68
54.0	172.98	189.50	221.24	250.37	261.38
54.5	171.76	187.28	219.63	249.15	260.24

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D3-I3-30-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

55.0	167.71	184.83	217.95	247.85	259.01
55.5	162.58	182.46	216.34	246.47	257.79
56.0	159.83	179.94	214.74	245.17	256.57
56.5	157.38	178.03	213.21	243.87	255.34
57.0	154.86	176.42	211.75	242.50	254.12
57.5	152.33	174.74	210.30	241.20	252.90
58.0	149.96	172.14	208.85	239.82	251.60
58.5	147.36	168.93	207.32	238.52	250.37
59.0	144.84	166.33	205.71	237.14	249.15
59.5	142.47	164.11	204.03	235.77	247.85
60.0	139.87	161.97	202.35	234.47	246.55
60.5	137.35	159.83	200.59	233.01	245.33
61.0	134.90	157.69	198.83	231.71	244.03
61.5	132.37	155.47	197.07	230.34	242.72
62.0	131.30	153.40	195.31	228.96	241.50
62.5	130.85	151.19	193.55	227.58	240.12
63.0	127.48	149.12	191.79	226.13	238.82
63.5	122.43	146.98	190.04	224.83	237.52
64.0	119.68	144.76	188.35	223.45	236.22
64.5	117.23	142.70	186.67	222.00	234.92
65.0	114.71	140.56	184.99	220.62	233.55
65.5	112.11	138.42	183.31	219.25	232.25
66.0	109.59	136.27	181.62	217.79	230.95
66.5	107.06	134.21	180.02	216.42	229.57
67.0	104.54	132.07	178.33	214.97	228.27
67.5	103.77	130.08	176.81	213.51	226.90
68.0	102.40	128.47	175.20	212.14	225.60
68.5	97.35	126.56	173.52	210.76	224.22
69.0	94.52	124.73	171.83	209.38	222.84
69.5	91.92	122.82	170.23	207.85	221.47
70.0	89.55	120.75	168.55	206.55	220.09
70.5	86.95	118.15	167.02	205.10	218.79
71.0	84.81	115.70	165.41	203.65	217.41
71.5	84.35	113.56	163.80	202.19	216.04
72.0	80.07	111.57	162.20	200.82	214.66
72.5	77.24	109.59	160.59	199.44	213.28
73.0	74.79	107.60	159.06	197.99	211.91
73.5	72.42	105.69	157.46	196.54	210.53
74.0	71.66	103.70	155.85	195.16	209.08
74.5	68.52	101.86	154.25	193.78	207.62
75.0	65.23	99.95	152.72	192.33	206.32
75.5	62.86	98.11	151.19	190.88	204.79
76.0	61.87	96.20	149.58	189.42	203.57
76.5	58.43	94.29	148.05	187.97	202.19
77.0	55.75	92.61	146.60	186.59	200.82
77.5	54.30	90.77	145.07	185.14	199.36
78.0	51.47	89.01	143.54	183.69	197.99
78.5	48.87	87.26	142.01	182.31	196.54
79.0	47.64	85.57	140.48	180.93	195.16
79.5	44.35	84.04	139.03	179.48	193.86
80.0	43.05	82.28	137.50	178.11	192.48
80.5	39.84	80.53	135.97	176.65	190.95
81.0	37.85	78.92	134.52	175.20	189.58
81.5	35.94	77.24	133.14	173.82	188.20
82.0	33.57	75.63	131.76	172.45	186.82
82.5	31.28	74.03	130.16	170.99	185.45

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D3-I3-30-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

83.0	29.29	72.50	128.86	169.62	183.92
83.5	27.15	70.97	127.40	168.24	182.54
84.0	24.70	69.44	125.95	166.79	181.24
84.5	22.64	67.98	124.50	165.33	179.86
85.0	20.34	66.53	123.04	163.96	178.33
85.5	18.12	65.15	121.67	162.58	176.96
86.0	16.06	63.78	120.37	161.13	175.66
86.5	13.92	62.40	118.99	159.75	174.28
87.0	11.78	61.10	117.69	158.38	172.83
87.5	9.33	59.73	116.24	157.00	171.45
88.0	7.26	58.50	114.86	155.62	170.15
88.5	5.05	57.20	113.49	154.17	168.70
89.0	2.98	55.98	112.26	152.87	167.32
89.5	0.92	54.75	110.89	151.49	165.95
90.0	0.54	53.61	109.59	150.12	164.57
90.5	0.84	52.61	108.59	149.12	163.65
91.0	1.61	51.47	107.29	147.82	162.28
91.5	3.59	50.47	106.07	146.45	160.90
92.0	5.74	49.40	104.84	145.15	159.45
92.5	8.18	48.41	103.62	143.77	158.15
93.0	10.71	47.49	102.32	142.47	156.85
93.5	13.31	46.65	101.17	141.17	155.39
94.0	15.91	45.81	99.87	139.79	154.02
94.5	18.35	45.35	98.80	138.42	152.64
95.0	20.88	45.27	97.66	137.19	151.34
95.5	23.48	45.73	96.51	135.89	149.89
96.0	26.08	46.95	95.36	134.59	148.66
96.5	28.83	48.79	94.29	133.22	147.29
97.0	31.51	51.47	93.30	131.99	145.99
97.5	34.26	54.91	92.38	130.69	144.69
98.0	36.86	58.73	91.69	129.39	143.31
98.5	39.84	62.55	91.16	128.17	141.93
99.0	42.60	66.23	90.93	127.10	140.63
99.5	45.58	69.67	90.85	126.03	139.49
100.0	48.41	73.03	91.16	125.11	138.42
100.5	51.39	76.17	91.77	124.27	137.27
101.0	54.45	79.15	92.69	123.50	136.27
101.5	57.51	82.13	94.06	123.04	135.36
102.0	60.57	85.11	95.82	122.59	134.67
102.5	63.70	87.94	98.11	122.43	134.13
103.0	66.91	90.93	100.94	122.51	133.75
103.5	70.13	93.76	104.08	122.74	133.45
104.0	73.34	96.66	107.60	123.27	133.45
104.5	76.55	99.57	111.65	124.12	133.60
105.0	79.91	102.55	115.78	125.26	133.98
105.5	83.28	105.61	120.14	126.72	134.59
106.0	86.64	108.52	124.42	128.55	135.51
106.5	90.09	111.73	128.70	130.77	136.73
107.0	93.53	114.79	132.91	133.29	138.26
107.5	97.04	117.92	137.04	136.43	140.10
108.0	100.56	120.98	141.02	139.72	142.39
108.5	104.08	124.19	144.84	143.31	144.92
109.0	107.67	127.40	148.66	147.29	147.90
109.5	111.19	130.54	152.33	151.42	151.26
110.0	114.94	133.90	156.00	155.85	154.93
110.5	118.53	137.12	159.52	160.21	158.83

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111.0	122.28	140.48	163.12	164.65	162.96
111.5	125.95	143.77	166.56	169.01	167.25
112.0	129.62	147.13	170.00	173.44	171.68
112.5	133.22	150.50	173.36	177.80	176.04
113.0	136.89	153.79	176.73	182.01	180.48
113.5	140.71	157.23	180.17	186.14	184.99
114.0	144.38	160.67	183.46	190.26	189.27
114.5	148.20	164.19	186.82	194.39	193.78
115.0	152.03	167.63	190.11	198.29	197.91
115.5	155.85	171.15	193.48	202.19	202.19
116.0	159.60	174.59	196.76	205.94	206.32
116.5	163.35	178.03	200.05	209.69	210.38
117.0	167.17	181.55	203.26	213.36	214.35
117.5	170.99	185.06	206.55	217.03	218.18
118.0	174.97	188.58	209.92	220.78	222.00
118.5	178.72	192.10	213.13	224.30	225.82
119.0	182.62	195.77	216.42	227.97	229.57
119.5	186.52	199.29	219.71	231.41	233.24
120.0	190.26	202.96	223.07	234.92	236.91
120.5	194.24	206.55	226.36	238.29	240.51
121.0	198.14	210.22	229.80	241.81	244.10
121.5	201.89	213.74	233.01	245.17	247.70
122.0	205.79	217.41	236.38	248.46	251.06
122.5	209.69	221.16	239.67	251.90	254.65
123.0	213.59	224.75	243.03	255.19	258.02
123.5	217.49	228.50	246.47	258.55	261.54
124.0	221.31	232.17	249.84	261.84	264.90
124.5	225.44	235.92	253.28	265.21	268.34
125.0	229.27	239.67	256.64	268.50	271.71
125.5	233.24	243.41	260.08	271.94	275.07
126.0	237.14	247.01	263.53	275.15	278.51
126.5	240.97	250.75	266.97	278.36	281.80
127.0	244.94	254.43	270.33	281.80	285.24
127.5	248.69	258.17	273.77	285.17	288.53
128.0	252.82	261.84	277.21	288.53	291.97
128.5	256.72	265.67	280.66	291.90	295.26
129.0	260.62	269.34	284.10	295.26	298.70
129.5	264.60	273.01	287.54	298.55	301.99
130.0	268.50	276.83	291.13	301.99	305.43
130.5	272.47	280.50	294.57	305.28	308.72
131.0	276.22	284.17	298.01	308.72	312.09
131.5	280.20	288.00	301.53	312.16	315.53
132.0	284.17	291.74	304.97	315.45	318.74
132.5	288.07	295.49	308.57	318.97	322.18
133.0	291.90	299.16	312.01	322.33	325.47
133.5	295.95	302.91	315.53	325.70	328.83
134.0	299.62	306.50	318.97	329.06	332.12
134.5	303.75	310.33	322.49	332.58	335.49
135.0	307.57	314.00	325.85	335.87	338.85
135.5	311.32	317.67	329.29	339.23	342.14
136.0	315.30	321.49	332.81	342.68	345.58
136.5	318.97	325.09	336.33	346.12	348.87
137.0	322.95	328.83	339.77	349.48	352.31
137.5	326.69	332.50	343.13	352.77	355.52
138.0	330.59	336.17	346.65	356.21	358.89
138.5	334.49	339.77	350.02	359.50	362.18

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D3-I3-30-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

139.0	338.24	343.52	353.61	362.79	365.54
139.5	341.83	347.11	356.90	366.08	368.83
140.0	345.58	350.63	360.26	369.36	372.04
140.5	349.40	354.30	363.71	372.81	375.33
141.0	353.00	357.89	367.07	376.02	378.62
141.5	356.82	361.49	370.59	379.31	381.83
142.0	360.65	365.01	374.03	382.52	385.04
142.5	364.47	368.45	377.32	385.81	388.41
143.0	367.91	371.96	380.68	389.02	391.54
143.5	371.58	375.56	384.05	392.23	394.83
144.0	375.33	378.92	387.34	395.44	397.89
144.5	378.77	382.29	390.62	398.58	401.02
145.0	382.14	385.81	393.84	401.71	404.16
145.5	385.65	389.17	396.97	404.77	407.22
146.0	389.25	392.61	400.34	407.98	410.35
146.5	392.69	395.90	403.47	411.04	413.34
147.0	396.28	399.11	406.68	414.10	416.32
147.5	399.72	402.40	409.67	417.16	419.38
148.0	403.01	405.84	412.95	420.22	422.44
148.5	406.53	409.05	416.01	423.20	425.27
149.0	409.74	412.19	419.07	426.11	428.17
149.5	413.03	415.32	422.13	429.17	431.15
150.0	416.17	418.31	425.04	432.00	433.91
150.5	419.30	421.52	428.10	434.98	436.81
151.0	422.51	424.65	431.00	437.81	439.64
151.5	425.80	427.79	433.98	440.64	442.47
152.0	428.94	430.70	436.81	443.39	445.15
152.5	431.92	433.75	439.72	446.14	447.90
153.0	434.98	436.51	442.55	448.90	450.50
153.5	438.04	439.26	445.23	451.50	453.10
154.0	441.10	442.17	448.05	454.25	455.70
154.5	444.00	445.15	450.65	456.85	458.23
155.0	446.83	448.05	453.41	459.45	460.75
155.5	449.58	450.73	456.01	461.97	463.12
156.0	452.41	453.48	458.61	464.50	465.57
156.5	455.09	456.01	461.21	466.87	468.01
157.0	457.92	458.68	463.73	469.31	470.38
157.5	460.60	461.13	466.10	471.61	472.60
158.0	463.20	463.66	468.55	473.90	474.82
158.5	465.64	466.18	470.84	476.20	477.11
159.0	467.94	468.63	473.21	478.49	479.18
159.5	470.46	471.00	475.36	480.71	481.24
160.0	472.83	473.21	477.65	482.85	483.31
160.5	475.20	475.51	479.87	484.91	485.37
161.0	477.65	477.80	482.01	486.98	487.36
161.5	479.94	480.02	484.15	489.04	489.20
162.0	482.09	482.16	486.06	490.96	491.19
162.5	484.15	484.30	488.05	492.79	493.02
163.0	486.21	486.37	489.96	494.63	494.86
163.5	488.13	488.28	491.80	496.46	496.54
164.0	490.19	490.27	493.63	498.22	498.14
164.5	492.18	492.10	495.31	499.90	499.90
165.0	494.01	494.01	497.15	501.59	501.36
165.5	495.93	495.62	498.76	503.19	502.96
166.0	497.76	497.38	500.44	504.80	504.42
166.5	499.44	498.83	502.04	506.25	505.87

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D3-I3-30-80-FWD-XX-WH-CW-LVPW.IES****CANDELA TABULATION - (Cont.)**

167.0	500.97	500.52	503.42	507.63	507.32
167.5	502.58	502.12	504.95	509.00	508.62
168.0	504.11	503.65	506.40	510.38	510.00
168.5	505.56	505.10	507.78	511.60	511.22
169.0	506.94	506.56	509.08	512.83	512.44
169.5	508.32	507.86	510.38	514.05	513.52
170.0	509.62	509.08	511.60	515.20	514.66
170.5	510.84	510.30	512.83	516.27	515.66
171.0	511.91	511.45	513.82	517.26	516.73
171.5	513.06	512.52	514.89	518.26	517.57
172.0	514.13	513.59	515.89	519.17	518.56
172.5	515.12	514.51	516.73	520.09	519.40
173.0	515.96	515.43	517.57	520.78	520.25
173.5	516.88	516.27	518.33	521.62	521.09
174.0	517.72	517.03	519.17	522.31	521.77
174.5	518.41	517.72	519.79	522.92	522.39
175.0	519.02	518.41	520.40	523.61	523.00
175.5	519.79	519.25	521.01	523.76	523.38
176.0	520.55	520.02	521.55	523.99	523.69
176.5	521.16	520.70	522.08	524.22	523.84
177.0	521.70	521.39	522.54	524.37	524.07
177.5	522.23	522.00	522.92	524.45	524.22
178.0	522.77	522.46	523.23	524.45	524.30
178.5	523.07	522.92	523.53	524.37	524.30
179.0	523.46	523.30	523.69	524.30	524.22
179.5	523.69	523.61	523.76	524.07	524.07
180.0	523.92	523.92	523.92	523.92	523.92

IES INDOOR REPORT**PHOTOMETRIC FILENAME : COB-PD-4-D3-I3-30-80-FWD-XX-WH-CW-LVPW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	119.93	N.A.	4.30
0-30	258.26	N.A.	9.20
0-40	431.79	N.A.	15.40
0-60	816.72	N.A.	29.20
0-80	1149.08	N.A.	41.00
0-90	1272.8	N.A.	45.50
10-90	1242.02	N.A.	44.40
20-40	311.87	N.A.	11.10
20-50	503.69	N.A.	18.00
40-70	563.61	N.A.	20.10
60-80	332.35	N.A.	11.90
70-80	153.67	N.A.	5.50
80-90	123.73	N.A.	4.40
90-110	223.99	N.A.	8.00
90-120	404.56	N.A.	14.40
90-130	631.66	N.A.	22.60
90-150	1128.5	N.A.	40.30
90-180	1527.1	N.A.	54.50
110-180	1303.11	N.A.	46.50
0-180	2799.9	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	30.78
10-20	89.15
20-30	138.34
30-40	173.53
40-50	191.82
50-60	193.11
60-70	178.68
70-80	153.67
80-90	123.73
90-100	102.22
100-110	121.77
110-120	180.57
120-130	227.10
130-140	250.65
140-150	246.19
150-160	208.89
160-170	140.28
170-180	49.44

IES INDOOR REPORT

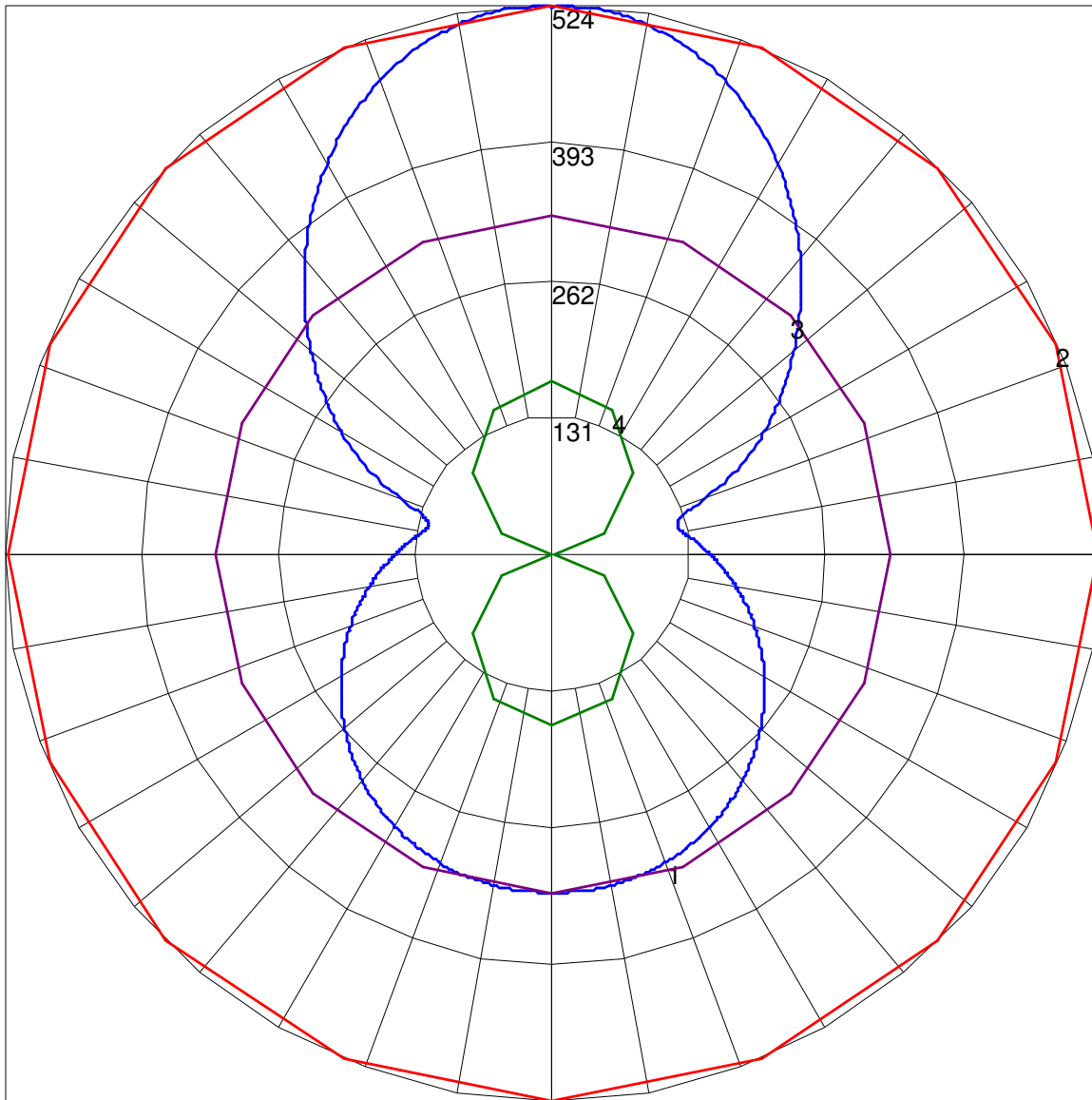
PHOTOMETRIC FILENAME : COB-PD-4-D3-I3-30-80-FWD-XX-WH-CW-LVPW.IES

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 = 524.45 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)