



Picasso Lighting

IES INDOOR REPORT

PHOTOMETRIC FILENAME : COB-PD-4-DX-I12-30-90-INDIRECT ONLY.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001933-001

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 02/26/2024 JS

[MANUFAC] Picasso Lighting Industries, LLC

[LUMCAT] COB-PD-4-Dx-I12-30-90-INDIRECT ONLY

[LUMINAIRE] Suspended mounted, black painted extruded aluminum housing,

[MORE] white painted aluminum reflectors. Linear plastic lens above uplight LEDs,

[LAMP] 96 white LEDs uplight

[BALLAST] Advance XI020C056V054BST2 uplight LED driver

[OTHER] 120.0Vac, 60.00Hz, 0.470A, 56.4W, 0.983PF, 10.5%THD(i)

[OTHER] This IES file was modified from the 500LPF IES file.

[MORE] Lamp lumens value was set to -1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	56.4
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT
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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	0.000	0.000	0.000	0.000	0.000
0.5	0.000	0.000	0.000	0.000	0.000
1.0	0.000	0.000	0.000	0.000	0.000
1.5	0.000	0.000	0.000	0.000	0.000
2.0	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000
3.0	0.000	0.000	0.000	0.000	0.000
3.5	0.000	0.000	0.000	0.000	0.000
4.0	0.000	0.000	0.000	0.000	0.000
4.5	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000
5.5	0.000	0.000	0.000	0.000	0.000
6.0	0.000	0.000	0.000	0.000	0.000
6.5	0.000	0.000	0.000	0.000	0.000
7.0	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000
8.0	0.000	0.000	0.000	0.000	0.000
8.5	0.000	0.000	0.000	0.000	0.000
9.0	0.000	0.000	0.000	0.000	0.000
9.5	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000
10.5	0.000	0.000	0.000	0.000	0.000
11.0	0.000	0.000	0.000	0.000	0.000
11.5	0.000	0.000	0.000	0.000	0.000
12.0	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000
13.0	0.000	0.000	0.000	0.000	0.000
13.5	0.000	0.000	0.000	0.000	0.000
14.0	0.000	0.000	0.000	0.000	0.000
14.5	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000
15.5	0.000	0.000	0.000	0.000	0.000
16.0	0.000	0.000	0.000	0.000	0.000
16.5	0.000	0.000	0.000	0.000	0.000
17.0	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000
18.0	0.000	0.000	0.000	0.000	0.000
18.5	0.000	0.000	0.000	0.000	0.000
19.0	0.000	0.000	0.000	0.000	0.000
19.5	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000
20.5	0.000	0.000	0.000	0.000	0.000
21.0	0.000	0.000	0.000	0.000	0.000
21.5	0.000	0.000	0.000	0.000	0.000
22.0	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000
23.0	0.000	0.000	0.000	0.000	0.000
23.5	0.000	0.000	0.000	0.000	0.000
24.0	0.000	0.000	0.000	0.000	0.000
24.5	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000
25.5	0.000	0.000	0.000	0.000	0.000
26.0	0.000	0.000	0.000	0.000	0.000
26.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : COB-PD-4-DX-I12-30-90-INDIRECT ONLY.IES

CANDELA TABULATION - (Cont.)

27.0	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000
28.0	0.000	0.000	0.000	0.000	0.000
28.5	0.000	0.000	0.000	0.000	0.000
29.0	0.000	0.000	0.000	0.000	0.000
29.5	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000
30.5	0.000	0.000	0.000	0.000	0.000
31.0	0.000	0.000	0.000	0.000	0.000
31.5	0.000	0.000	0.000	0.000	0.000
32.0	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000
33.0	0.000	0.000	0.000	0.000	0.000
33.5	0.000	0.000	0.000	0.000	0.000
34.0	0.000	0.000	0.000	0.000	0.000
34.5	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000
35.5	0.000	0.000	0.000	0.000	0.000
36.0	0.000	0.000	0.000	0.000	0.000
36.5	0.000	0.000	0.000	0.000	0.000
37.0	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000
38.0	0.000	0.000	0.000	0.000	0.000
38.5	0.000	0.000	0.000	0.000	0.000
39.0	0.000	0.000	0.000	0.000	0.000
39.5	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000
40.5	0.000	0.000	0.000	0.000	0.000
41.0	0.000	0.000	0.000	0.000	0.000
41.5	0.000	0.000	0.000	0.000	0.000
42.0	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000
43.0	0.000	0.000	0.000	0.000	0.000
43.5	0.000	0.000	0.000	0.000	0.000
44.0	0.000	0.000	0.000	0.000	0.000
44.5	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000
45.5	0.000	0.000	0.000	0.000	0.000
46.0	0.000	0.000	0.000	0.000	0.000
46.5	0.000	0.000	0.000	0.000	0.000
47.0	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000
48.0	0.000	0.000	0.000	0.000	0.000
48.5	0.000	0.000	0.000	0.000	0.000
49.0	0.000	0.000	0.000	0.000	0.000
49.5	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000
50.5	0.000	0.000	0.000	0.000	0.000
51.0	0.000	0.000	0.000	0.000	0.000
51.5	0.000	0.000	0.000	0.000	0.000
52.0	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000
53.0	0.000	0.000	0.000	0.000	0.000
53.5	0.000	0.000	0.000	0.000	0.000
54.0	0.000	0.000	0.000	0.000	0.000
54.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : COB-PD-4-DX-I12-30-90-INDIRECT ONLY.IES

CANDELA TABULATION - (Cont.)

55.0	0.000	0.000	0.000	0.000	0.000
55.5	0.000	0.000	0.000	0.000	0.000
56.0	0.000	0.000	0.000	0.000	0.000
56.5	0.000	0.000	0.000	0.000	0.000
57.0	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000
58.0	0.000	0.000	0.000	0.000	0.000
58.5	0.000	0.000	0.000	0.000	0.000
59.0	0.000	0.000	0.000	0.000	0.000
59.5	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000
60.5	0.000	0.000	0.000	0.000	0.000
61.0	0.000	0.000	0.000	0.000	0.000
61.5	0.000	0.000	0.000	0.000	0.000
62.0	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000
63.0	0.000	0.000	0.000	0.000	0.000
63.5	0.000	0.000	0.000	0.000	0.000
64.0	0.000	0.000	0.000	0.000	0.000
64.5	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000
65.5	0.000	0.000	0.000	0.000	0.000
66.0	0.000	0.000	0.000	0.000	0.000
66.5	0.000	0.000	0.000	0.000	0.000
67.0	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000
68.0	0.000	0.000	0.000	0.000	0.000
68.5	0.000	0.000	0.000	0.000	0.000
69.0	0.000	0.000	0.000	0.000	0.000
69.5	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000
70.5	0.000	0.000	0.000	0.000	0.000
71.0	0.000	0.000	0.000	0.000	0.000
71.5	0.000	0.000	0.000	0.000	0.000
72.0	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000
73.0	0.000	0.000	0.000	0.000	0.000
73.5	0.000	0.000	0.000	0.000	0.000
74.0	0.000	0.000	0.000	0.000	0.000
74.5	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000
75.5	0.000	0.000	0.000	0.000	0.000
76.0	0.000	0.000	0.000	0.000	0.000
76.5	0.000	0.000	0.000	0.000	0.000
77.0	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000
78.0	0.000	0.000	0.000	0.000	0.000
78.5	0.000	0.000	0.000	0.000	0.000
79.0	0.000	0.000	0.000	0.000	0.000
79.5	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000
80.5	0.000	0.000	0.000	0.000	0.000
81.0	0.000	0.000	0.000	0.000	0.000
81.5	0.000	0.000	0.000	0.000	0.000
82.0	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

83.0	0.000	0.000	0.000	0.000	0.000
83.5	0.000	0.000	0.000	0.000	0.000
84.0	0.000	0.000	0.000	0.000	0.000
84.5	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000
85.5	0.000	0.000	0.000	0.000	0.000
86.0	0.000	0.000	0.000	0.000	0.000
86.5	0.000	0.000	0.000	0.000	0.000
87.0	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000
88.0	0.000	0.000	0.000	0.000	0.000
88.5	0.000	0.000	0.000	0.000	0.000
89.0	0.000	0.000	0.000	0.000	0.000
89.5	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000
90.5	3.768	4.704	4.704	5.664	5.976
91.0	8.472	4.416	4.704	6.264	6.264
91.5	12.576	4.704	4.704	6.264	6.264
92.0	16.968	5.976	4.704	5.664	6.264
92.5	21.696	7.224	5.016	6.600	6.264
93.0	26.400	9.120	6.264	6.600	6.264
93.5	31.752	10.680	6.912	7.224	6.912
94.0	37.416	12.888	8.160	7.872	7.560
94.5	42.744	15.096	8.808	8.472	8.160
95.0	49.344	17.592	9.768	9.432	9.120
95.5	56.568	20.136	11.016	10.056	9.768
96.0	63.816	22.008	12.576	11.016	10.680
96.5	72.000	23.904	13.824	11.928	11.616
97.0	79.512	25.800	16.032	12.576	12.576
97.5	87.720	27.360	17.928	13.512	13.512
98.0	96.192	29.544	19.488	14.784	14.784
98.5	105.624	32.712	21.384	16.344	16.032
99.0	114.720	37.416	22.632	18.240	17.928
99.5	123.840	42.744	24.504	20.448	19.800
100.0	132.960	50.904	26.088	22.296	21.384
100.5	142.728	60.672	27.360	24.840	23.592
101.0	151.848	72.288	28.608	27.048	25.800
101.5	161.880	87.720	29.856	28.920	27.648
102.0	172.248	106.248	30.504	30.816	29.856
102.5	181.704	126.360	31.104	32.712	31.416
103.0	191.736	148.992	32.064	34.272	33.000
103.5	201.504	172.248	33.312	35.832	34.584
104.0	210.912	197.736	35.208	37.080	35.832
104.5	220.680	225.384	37.728	38.040	36.768
105.0	230.400	257.448	41.784	38.664	37.728
105.5	240.168	297.984	46.536	39.288	38.328
106.0	250.200	336.672	52.200	40.224	38.976
106.5	260.280	365.568	60.024	40.872	38.976
107.0	269.688	387.576	68.832	41.496	39.624
107.5	279.456	408.960	79.848	42.432	39.936
108.0	288.888	428.760	92.088	43.680	40.536
108.5	298.632	446.040	106.248	45.576	41.184
109.0	308.064	462.408	124.488	48.408	42.120
109.5	317.472	477.192	147.096	51.240	43.680
110.0	327.552	491.616	176.040	55.008	45.888
110.5	336.960	505.152	209.016	59.712	48.408

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CANDELA TABULATION - (Cont.)

111.0	346.728	518.040	246.144	65.688	51.864
111.5	356.160	530.304	285.120	72.936	55.008
112.0	365.568	542.232	327.552	81.408	59.424
112.5	375.336	554.184	371.544	91.176	64.440
113.0	384.120	565.512	417.120	102.456	71.352
113.5	393.576	577.440	469.632	115.680	78.264
114.0	402.984	588.456	525.576	131.712	87.072
114.5	411.768	599.784	588.456	152.760	97.440
115.0	420.576	610.464	650.688	178.848	108.768
115.5	429.696	621.432	716.376	213.120	122.280
116.0	438.816	631.512	782.400	250.200	139.560
116.5	447.936	641.568	854.088	292.632	161.568
117.0	457.056	651.336	929.184	338.856	189.240
117.5	465.864	661.056	1000.536	387.912	222.552
118.0	474.648	670.176	1064.040	441.672	261.216
118.5	483.768	679.608	1113.096	497.928	303.336
119.0	492.888	689.016	1156.440	559.200	350.808
119.5	501.696	697.824	1194.816	625.536	400.488
120.0	510.504	706.944	1231.584	700.992	455.160
120.5	519.288	715.752	1264.608	780.840	512.376
121.0	528.096	724.872	1292.904	867.264	575.232
121.5	536.904	733.344	1315.848	954.984	644.088
122.0	545.688	741.528	1335.960	1046.136	718.584
122.5	554.184	750.336	1353.576	1141.704	802.536
123.0	562.968	758.208	1368.960	1238.208	892.104
123.5	572.088	766.368	1382.784	1343.160	985.464
124.0	580.296	773.928	1394.424	1445.664	1081.944
124.5	589.080	782.088	1406.040	1537.752	1181.928
125.0	597.240	789.960	1415.496	1615.392	1285.032
125.5	605.736	797.472	1425.216	1681.416	1397.880
126.0	613.920	804.696	1433.400	1738.632	1507.896
126.5	622.080	812.256	1441.248	1789.848	1608.480
127.0	630.552	820.128	1448.808	1840.152	1700.568
127.5	639.072	827.352	1456.032	1883.832	1775.712
128.0	647.544	834.888	1463.592	1919.688	1843.296
128.5	655.104	842.424	1469.544	1947.960	1903.656
129.0	663.264	849.672	1475.520	1972.488	1959.624
129.5	671.112	856.584	1480.872	1992.288	2010.528
130.0	679.296	863.496	1486.200	2008.968	2053.608
130.5	686.856	870.408	1491.240	2021.856	2087.880
131.0	694.680	877.344	1495.968	2033.160	2114.880
131.5	702.888	884.256	1500.360	2042.280	2137.824
132.0	710.112	890.520	1504.440	2049.816	2157.024
132.5	717.960	897.432	1507.272	2056.416	2172.744
133.0	725.496	904.032	1510.392	2061.768	2185.320
133.5	733.344	910.344	1513.248	2065.536	2196.000
134.0	740.904	916.608	1514.808	2068.680	2204.808
134.5	748.440	922.920	1516.704	2071.200	2212.632
135.0	755.688	929.184	1517.952	2073.096	2218.632
135.5	763.224	935.160	1517.952	2074.656	2223.048
136.0	770.760	941.448	1518.600	2075.304	2226.792
136.5	777.984	947.112	1518.912	2074.968	2229.312
137.0	785.208	952.776	1517.952	2073.096	2230.560
137.5	792.456	958.440	1517.016	2070.552	2231.832
138.0	799.680	964.416	1515.744	2067.096	2231.520
138.5	806.592	969.768	1513.560	2063.328	2229.624

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CANDELA TABULATION - (Cont.)

139.0	813.816	975.384	1511.040	2058.624	2226.792
139.5	820.440	980.448	1508.832	2053.920	2223.048
140.0	827.352	985.800	1506.024	2048.256	2217.984
140.5	834.264	990.816	1501.920	2041.944	2211.720
141.0	840.864	995.832	1498.152	2034.432	2204.808
141.5	847.776	1000.872	1494.360	2025.624	2196.600
142.0	854.376	1005.576	1490.304	2015.880	2188.776
142.5	861.600	1010.616	1485.888	2004.864	2179.008
143.0	867.576	1015.320	1481.496	1993.848	2168.640
143.5	874.488	1019.712	1476.768	1981.608	2157.024
144.0	881.400	1024.128	1471.752	1969.344	2144.448
144.5	887.400	1028.520	1467.048	1956.456	2130.624
145.0	893.664	1032.936	1461.696	1942.296	2115.840
145.5	899.976	1037.016	1456.680	1928.160	2100.120
146.0	905.928	1041.408	1450.680	1913.088	2083.776
146.5	912.216	1045.512	1445.016	1898.304	2067.096
147.0	918.504	1048.968	1439.352	1882.272	2049.504
147.5	925.128	1052.736	1433.736	1866.240	2031.264
148.0	930.744	1055.880	1427.736	1849.608	2011.776
148.5	936.408	1059.336	1421.760	1833.240	1992.936
149.0	942.408	1062.456	1415.496	1816.896	1973.448
149.5	948.072	1065.624	1409.496	1799.928	1953.312
150.0	953.088	1068.456	1403.232	1782.936	1932.888
150.5	958.752	1070.976	1396.608	1765.992	1912.128
151.0	963.768	1073.472	1390.008	1749.000	1891.392
151.5	969.120	1075.992	1383.096	1731.720	1870.344
152.0	973.824	1078.488	1376.832	1714.728	1849.608
152.5	978.840	1081.032	1369.896	1697.112	1828.512
153.0	983.904	1082.904	1363.296	1680.168	1807.776
153.5	988.296	1085.112	1356.696	1663.488	1787.040
154.0	993.312	1086.696	1349.784	1646.208	1765.656
154.5	997.416	1088.256	1342.872	1629.240	1744.896
155.0	1001.784	1090.152	1335.960	1612.584	1723.560
155.5	1006.536	1091.712	1329.024	1595.592	1702.776
156.0	1010.904	1093.608	1322.424	1578.624	1681.728
156.5	1015.008	1095.168	1315.512	1562.280	1661.304
157.0	1019.112	1096.416	1308.600	1545.312	1640.856
157.5	1023.168	1097.688	1301.376	1529.280	1620.456
158.0	1026.648	1098.624	1295.112	1513.248	1600.632
158.5	1030.728	1099.560	1288.152	1496.904	1581.144
159.0	1034.496	1100.184	1281.240	1481.184	1561.344
159.5	1037.952	1100.832	1274.328	1465.464	1542.168
160.0	1041.408	1101.768	1267.752	1450.368	1522.968
160.5	1044.864	1102.392	1260.840	1434.984	1503.816
161.0	1048.008	1103.040	1254.216	1420.200	1485.576
161.5	1051.176	1103.976	1247.616	1405.416	1467.048
162.0	1054.296	1104.288	1241.352	1391.256	1449.120
162.5	1057.440	1104.888	1234.728	1377.120	1431.840
163.0	1060.296	1105.224	1228.440	1362.984	1414.200
163.5	1063.104	1105.536	1222.776	1349.784	1397.568
164.0	1065.912	1105.536	1216.824	1336.248	1380.888
164.5	1068.456	1105.848	1210.848	1323.384	1365.192
165.0	1070.976	1106.184	1205.184	1310.496	1349.472
165.5	1073.784	1106.184	1199.520	1298.568	1334.376
166.0	1076.328	1106.184	1193.856	1286.280	1319.928
166.5	1078.488	1106.496	1188.840	1274.976	1305.480

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	1080.696	1106.496	1183.488	1263.960	1292.256
167.5	1082.592	1106.184	1178.472	1252.968	1278.744
168.0	1084.800	1106.184	1173.432	1242.600	1266.168
168.5	1086.696	1105.848	1168.416	1232.544	1253.592
169.0	1088.904	1106.184	1163.688	1223.112	1242.264
169.5	1090.752	1106.184	1158.984	1213.344	1230.336
170.0	1092.360	1106.184	1154.880	1204.536	1219.968
170.5	1094.520	1106.184	1150.488	1195.752	1209.600
171.0	1096.104	1106.184	1146.408	1187.592	1199.520
171.5	1097.376	1106.184	1142.616	1179.720	1190.400
172.0	1099.272	1106.184	1138.848	1172.184	1180.680
172.5	1100.520	1106.184	1135.392	1165.560	1173.120
173.0	1101.768	1106.184	1131.624	1159.296	1164.960
173.5	1102.728	1106.184	1128.792	1152.984	1157.736
174.0	1103.976	1106.184	1125.672	1147.656	1150.488
174.5	1105.224	1106.184	1123.128	1142.952	1144.200
175.0	1105.848	1105.848	1120.320	1138.248	1138.248
175.5	1106.784	1105.848	1118.760	1134.144	1133.496
176.0	1107.432	1105.536	1116.864	1130.688	1128.480
176.5	1108.392	1105.848	1114.968	1127.232	1124.712
177.0	1108.680	1105.536	1114.008	1124.424	1121.256
177.5	1109.304	1105.536	1112.448	1121.568	1118.112
178.0	1109.640	1105.536	1111.512	1118.760	1115.904
178.5	1109.952	1105.536	1110.552	1116.216	1114.344
179.0	1110.240	1105.224	1109.640	1114.344	1113.096
179.5	1110.240	1105.224	1108.680	1113.096	1112.136
180.0	1109.304	1109.304	1109.304	1109.304	1109.304

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	151.22	N.A.	3.20
90-120	600.80	N.A.	12.50
90-130	1633.35	N.A.	34.00
90-150	3719.75	N.A.	77.50
90-180	4800.04	N.A.	100.00
110-180	4648.82	N.A.	96.80
0-180	4800.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	20.23
100-110	130.99
110-120	449.58
120-130	1032.55
130-140	1155.29
140-150	931.10
150-160	627.14
160-170	345.01
170-180	108.15

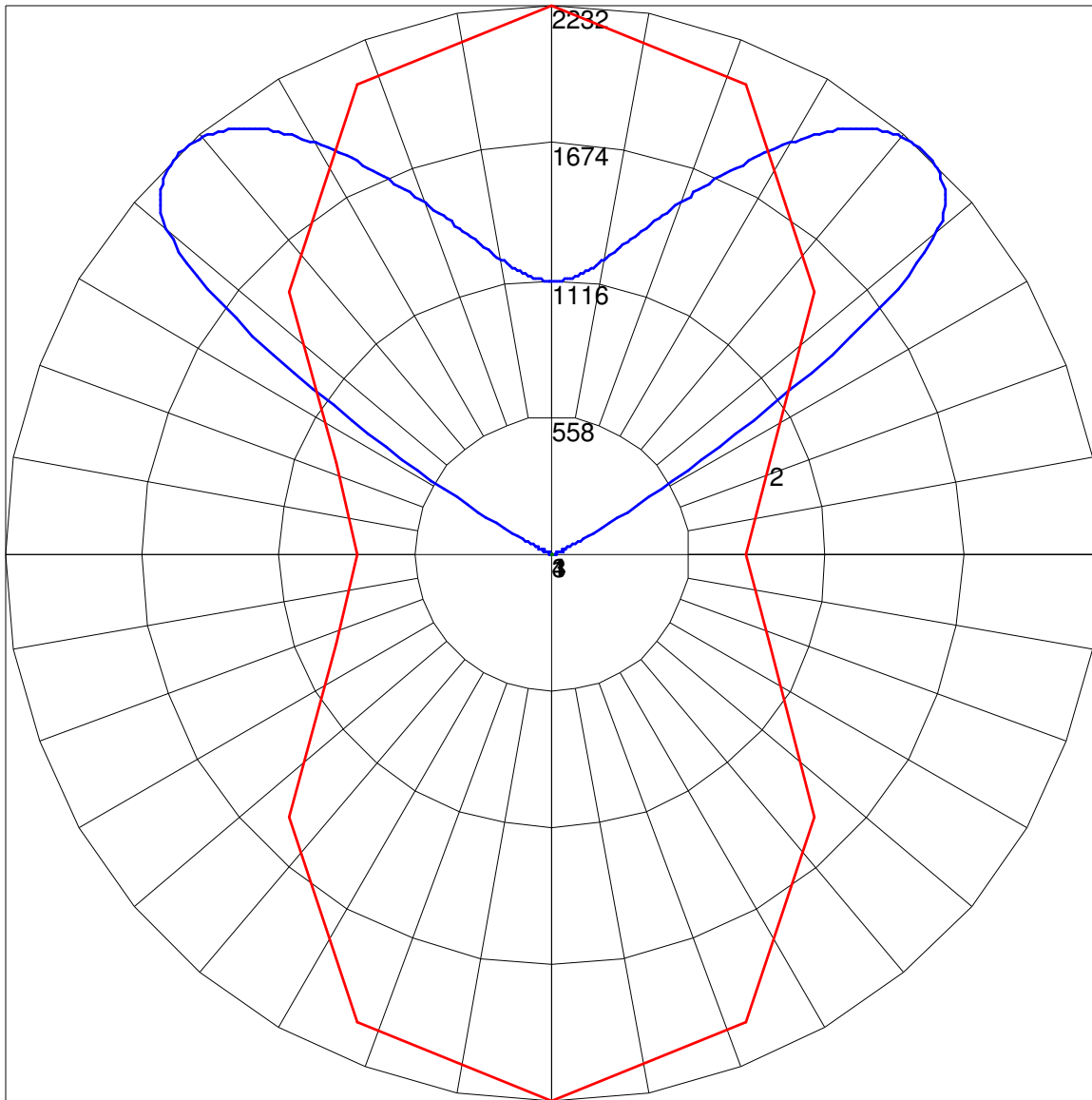
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 2231.832 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)