

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: HALO

Report Number: P670592

Luminaire Tested: WXPM80LSFSUNVDBZ-50W-5000K

Issue Date: 4/4/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P670592  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( 2022-08-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: WXPM80LSFSUNVDBZ-50W-5000K  
Description: WALL PACK  
Light Source:  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6461 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.58' x L: 0.94' x H: 0.45')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U3 - G4

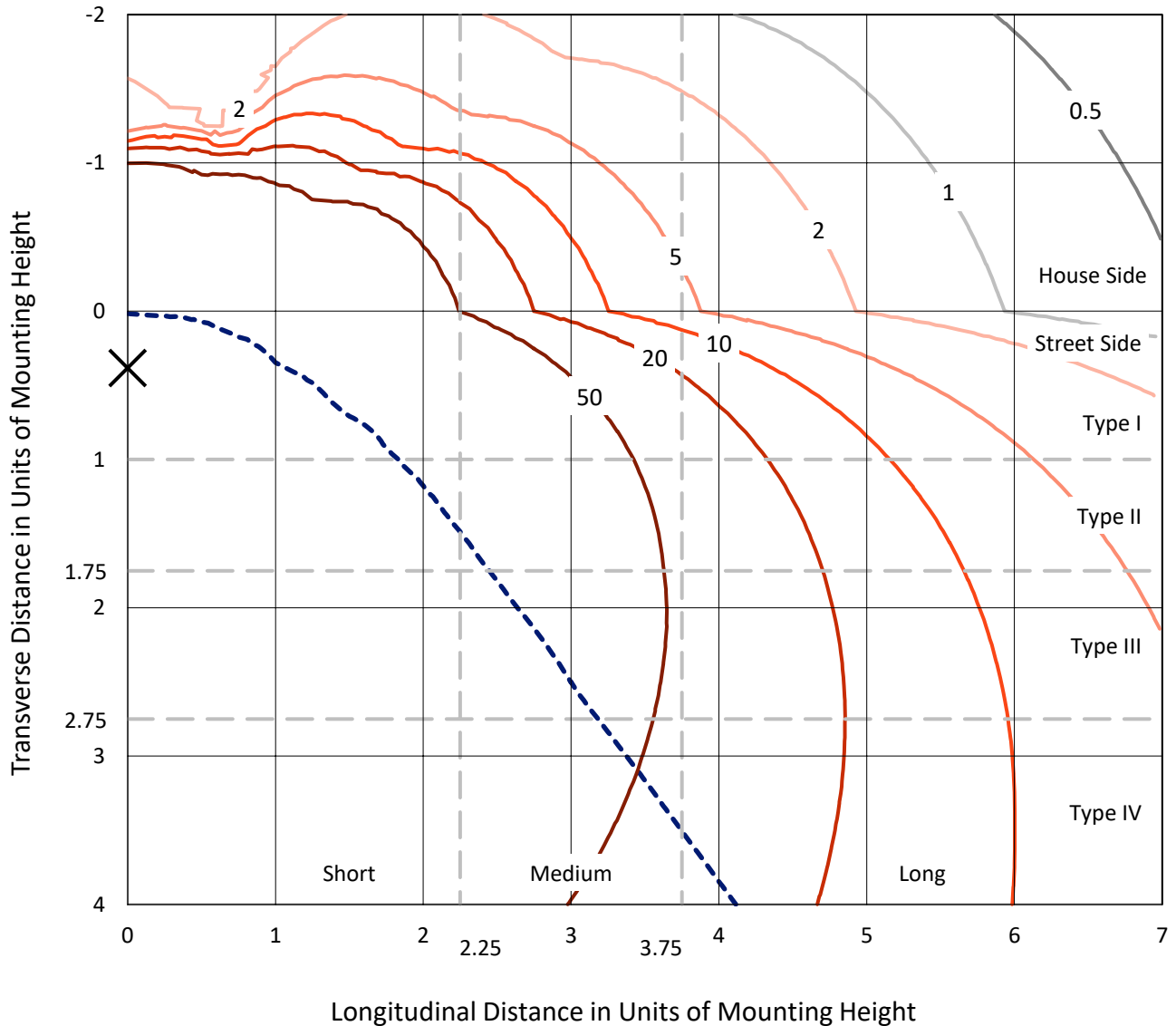
Input Watts (W): 48.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

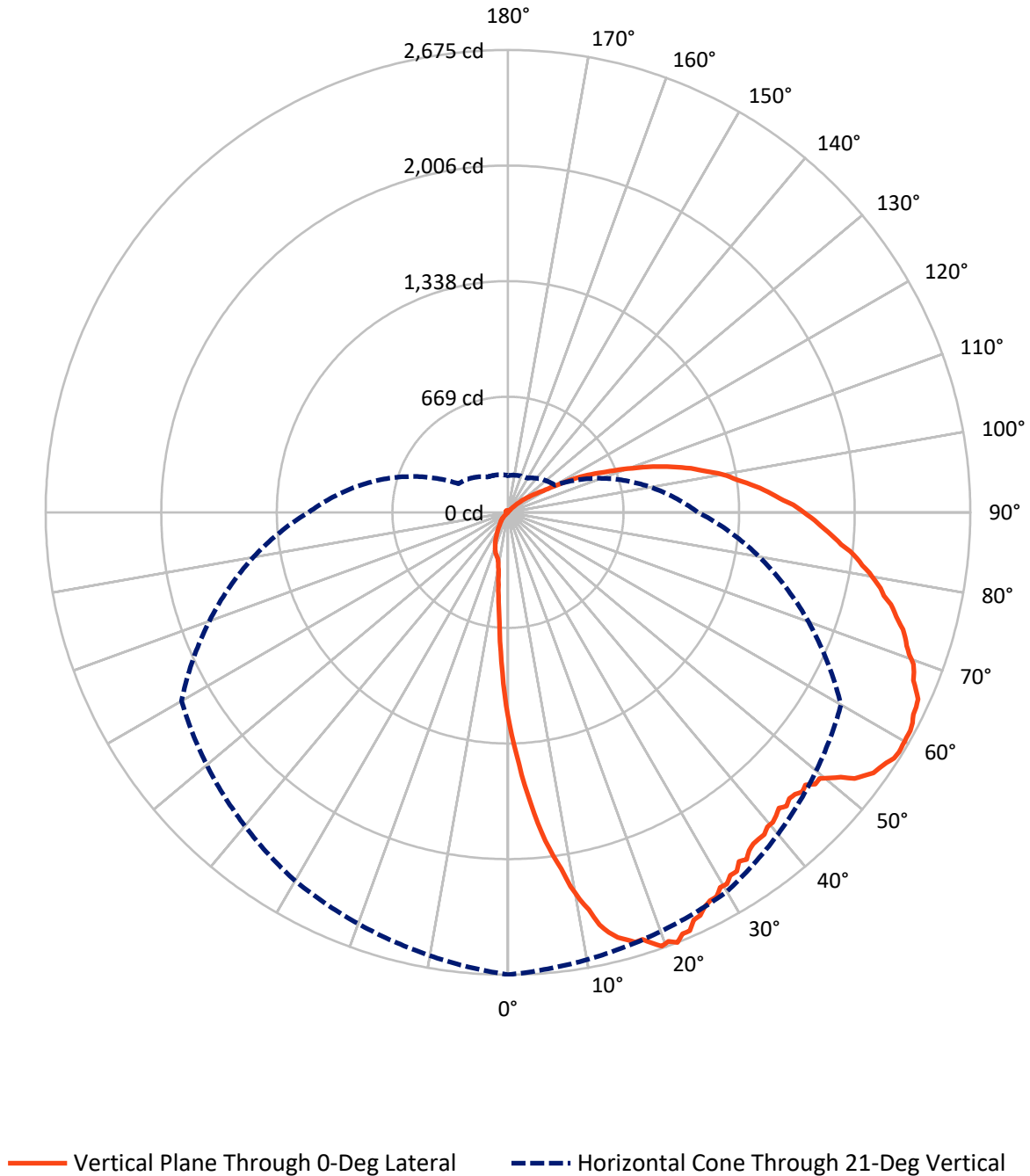
× Max cd  
 - - - 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 9280.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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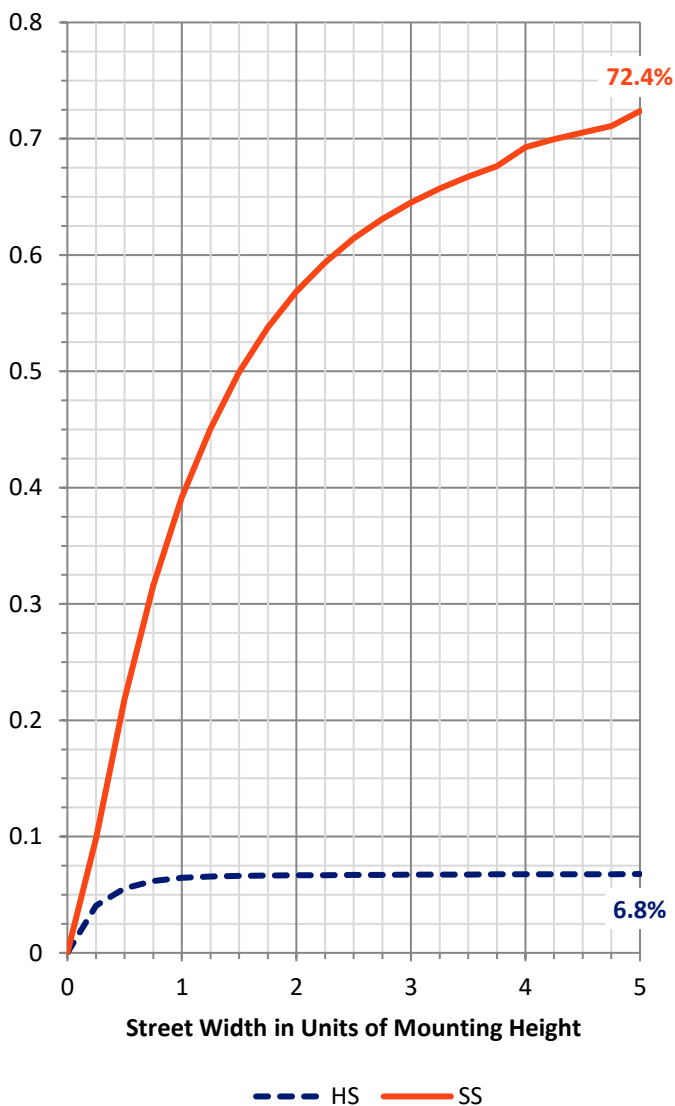
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	445.1	42.7	487.8
	% Fixture	6.9	0.7	7.5
<b>Street Side</b>	Lumens	5108.2	865.0	5973.2
	% Fixture	79.1	13.4	92.5
<b>Total</b>	Lumens	5553.3	907.7	6461.0
	% Fixture	86.0	14.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.7	1.8
10°-20°	364.3	5.6
20°-30°	589.1	9.1
30°-40°	713.5	11.0
40°-50°	766.2	11.9
50°-60°	820.7	12.7
60°-70°	825.1	12.8
70°-80°	748.2	11.6
80°-90°	609.6	9.4
90°-100°	440.8	6.8
100°-110°	272.1	4.2
110°-120°	123.1	1.9
120°-130°	43.8	0.7
130°-140°	14.8	0.2
140°-150°	6.0	0.1
150°-160°	3.9	0.1
160°-170°	2.3	0.0
170°-180°	0.8	0.0
0°-90°	5553.3	86.0
0°-180°	6461.0	100.0

**Coefficient of Utilization**

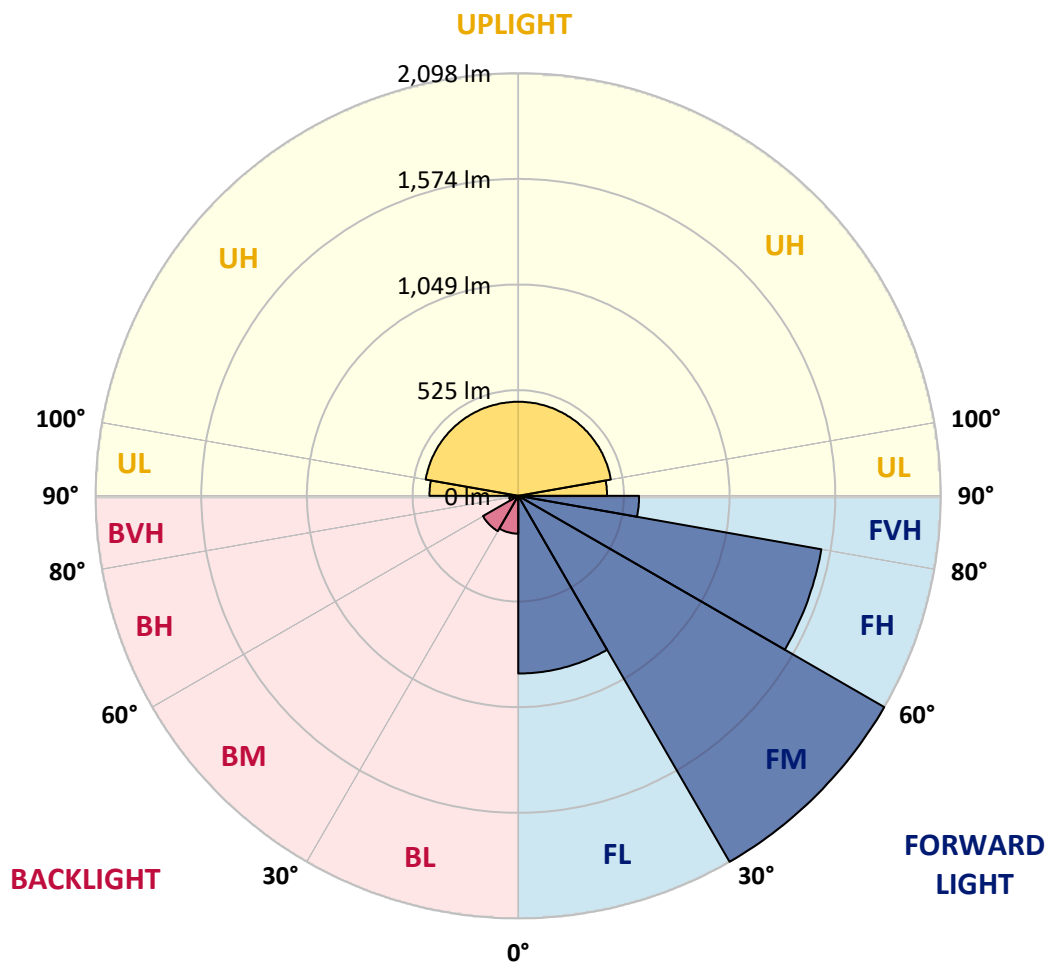


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	882.3	13.7			
FM (30°-60°)	2098.1	32.5			
FH (60°-80°)	1528.2	23.7			G1/1800
FVH (80°-90°)	599.6	9.3			G4/750
BL (0°-30°)	187.7	2.9	B1/500		
BM (30°-60°)	202.3	3.1	B0/220		
BH (60°-80°)	45.1	0.7	B0/110		G0/110
BVH (80°-90°)	10.0	0.2			G0/10
UL (90°-100°)	440.8	6.8		U3/500	
UH (100°-180°)	466.9	7.2		U3/500	

**BUG Rating: B1-U3-G4**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	1233.9	1233.9	1233.9	1233.9	1233.9	1233.9	1233.9	1233.9	1233.9	1233.9	1233.9
1°	1346.1	1340.9	1300.4	1237.0	1180.4	1136.3	1118.3	1123.9	1161.4	1217.0	1269.1
2°	1458.7	1442.2	1359.7	1235.3	1120.8	1039.3	992.7	1009.3	1107.0	1229.7	1326.6
3°	1582.3	1558.0	1417.9	1227.5	1063.8	926.7	863.7	898.5	1054.8	1245.0	1397.7
4°	1692.3	1656.9	1463.9	1211.7	996.6	819.3	749.4	793.3	991.5	1238.0	1467.7
5°	1808.8	1752.3	1498.5	1197.8	923.7	716.0	635.3	693.1	914.3	1227.4	1499.1
6°	1912.1	1844.4	1556.7	1197.5	853.8	626.6	555.2	618.2	845.0	1236.1	1541.1
7°	2002.4	1923.2	1602.7	1179.0	794.5	555.9	485.2	553.3	789.5	1247.1	1609.1
8°	2085.0	1993.0	1647.0	1153.7	731.0	490.8	423.1	490.6	735.5	1237.6	1689.2
9°	2194.4	2071.6	1678.5	1146.1	669.1	434.0	371.7	434.8	678.7	1226.8	1739.3
10°	2275.8	2166.6	1693.5	1156.3	614.0	386.5	334.4	388.9	627.9	1212.8	1773.0
11°	2345.9	2246.1	1786.2	1148.3	573.0	349.2	308.0	353.4	587.3	1223.6	1801.9
12°	2444.1	2327.9	1844.1	1142.1	534.5	322.1	288.0	327.7	548.3	1234.2	1827.4
13°	2500.1	2383.8	1882.4	1144.4	498.5	301.1	274.2	308.5	517.4	1227.6	1880.5
14°	2540.2	2451.3	1914.0	1134.9	465.3	283.6	266.0	292.2	485.8	1211.5	1945.9
15°	2565.1	2470.7	1958.9	1139.2	436.5	269.5	260.3	279.1	455.3	1200.6	2012.8
16°	2593.6	2469.9	2018.7	1142.7	410.3	258.5	254.4	269.4	426.1	1199.0	2021.3
17°	2591.1	2464.3	2083.3	1138.4	386.5	250.9	248.2	262.4	401.1	1190.3	2026.1
18°	2627.6	2503.5	2140.7	1122.5	366.6	245.0	241.5	255.9	380.1	1170.9	2051.3
19°	2662.9	2528.2	2162.7	1121.2	348.3	239.9	231.8	249.6	361.2	1169.3	2091.4
20°	2650.1	2536.2	2188.8	1119.5	330.2	234.4	223.8	242.7	345.3	1168.3	2140.1
21°	2675.3	2533.5	2224.7	1099.8	314.3	228.6	213.0	236.2	332.0	1153.4	2181.3
22°	2639.7	2565.1	2269.2	1083.3	299.7	219.4	203.5	226.1	320.6	1149.2	2180.4
23°	2639.1	2576.8	2296.0	1047.9	286.2	212.4	193.0	218.7	309.1	1142.1	2177.7
24°	2591.3	2613.6	2304.3	1036.6	272.3	203.0	182.7	208.1	297.3	1126.1	2180.0
25°	2583.9	2570.7	2308.9	1004.8	259.0	194.1	171.2	199.1	286.4	1119.6	2201.9
26°	2550.5	2557.2	2307.4	972.1	246.6	185.6	160.5	190.2	276.2	1113.6	2232.8
27°	2533.1	2498.1	2317.4	952.8	236.8	175.5	149.2	178.8	265.5	1103.0	2242.8
28°	2530.5	2472.0	2342.5	946.4	228.6	166.6	139.0	168.1	256.6	1098.5	2246.2
29°	2493.9	2449.7	2306.7	934.5	221.4	156.4	128.8	158.8	249.1	1091.0	2206.0
30°	2495.8	2409.6	2267.2	911.4	214.3	146.6	119.9	150.3	242.7	1078.6	2167.5
31°	2463.6	2423.5	2246.9	889.4	207.7	137.2	111.0	141.7	236.3	1056.9	2156.2
32°	2463.3	2425.2	2209.7	863.9	201.8	128.7	103.6	133.6	230.5	1039.8	2142.0
33°	2422.8	2401.6	2155.8	838.7	196.2	120.7	95.9	126.3	224.7	1010.0	2145.2
34°	2436.7	2382.3	2154.2	815.8	190.2	113.2	88.3	118.9	218.8	983.2	2115.1
35°	2403.2	2367.9	2151.4	791.7	184.6	106.0	82.6	112.1	211.5	963.2	2084.4
36°	2386.3	2348.3	2119.0	764.7	179.8	99.1	76.8	105.3	206.2	951.2	2069.3
37°	2382.2	2318.7	2100.6	749.4	175.1	92.2	70.6	98.9	201.0	929.7	2037.8
38°	2382.7	2292.9	2115.3	740.8	169.0	85.5	67.1	92.5	193.7	909.7	1966.7
39°	2359.1	2271.1	2096.2	744.3	164.1	78.7	65.3	86.3	187.5	868.4	1930.5
40°	2359.9	2235.2	2076.4	726.2	158.9	72.5	61.5	80.2	181.7	844.2	1878.9
41°	2342.6	2218.8	2090.5	702.7	153.0	66.4	57.5	74.5	174.6	818.1	1833.7
42°	2321.2	2195.1	2039.3	664.2	147.3	60.6	53.2	68.8	168.9	805.6	1799.5
43°	2342.2	2168.5	1953.6	630.9	141.0	54.9	48.3	63.1	162.7	794.8	1771.3
44°	2322.0	2170.1	1903.5	611.4	135.9	49.7	41.6	57.6	156.3	782.0	1725.9



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CATALOG NUMBER: WXP80LSFSUNVDBZ-50W-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	2328.4	2191.7	1843.0	621.8	130.1	44.5	34.6	52.0	149.8	770.9	1693.5
46°	2348.8	2197.0	1774.8	610.6	124.8	39.4	28.7	46.3	143.3	748.6	1690.5
47°	2334.9	2152.0	1744.3	591.3	118.8	34.4	20.4	40.4	137.2	718.6	1674.5
48°	2373.0	2123.7	1740.9	562.8	113.4	29.9	14.3	34.9	131.0	691.6	1641.1
49°	2371.0	2112.9	1746.0	538.9	107.4	25.1	2.8	29.1	125.0	672.1	1617.0
50°	2416.5	2101.2	1732.6	528.2	101.7	20.6	2.1	23.9	119.4	661.9	1593.0
51°	2461.6	2118.7	1737.2	511.2	95.7	15.3	2.2	18.6	113.9	642.8	1541.2
52°	2528.7	2115.9	1746.8	477.9	90.4	10.1	2.4	13.1	108.7	610.6	1518.6
53°	2561.6	2123.7	1717.0	452.6	84.9	2.4	2.5	5.4	103.1	577.1	1481.2
54°	2597.1	2148.1	1671.2	442.0	80.0	2.2	2.7	3.2	97.9	559.7	1440.9
55°	2610.4	2163.5	1636.6	420.5	74.5	2.3	2.8	3.3	92.4	553.1	1436.1
56°	2626.7	2176.8	1587.3	390.9	69.6	2.4	3.0	3.4	86.8	529.9	1438.2
57°	2648.3	2174.1	1556.3	367.0	65.0	2.6	3.1	3.5	81.2	502.0	1433.8
58°	2654.5	2183.5	1526.5	349.4	60.6	2.7	3.3	3.7	76.0	482.1	1425.0
59°	2651.0	2179.8	1520.0	331.0	56.3	2.9	3.5	3.8	71.0	456.9	1402.5
60°	2648.8	2172.1	1522.7	309.6	52.1	3.0	3.6	3.9	66.1	425.8	1376.6
61°	2648.8	2152.1	1505.7	287.4	48.1	3.1	3.8	4.1	61.5	399.6	1339.5
62°	2638.4	2154.7	1478.9	267.7	44.2	3.3	4.0	4.3	57.0	375.2	1315.5
63°	2621.8	2144.7	1428.5	245.1	40.7	3.5	4.2	4.5	52.9	352.5	1298.4
64°	2616.4	2134.6	1389.3	223.5	37.4	3.6	4.3	4.7	48.9	329.3	1286.1
65°	2607.8	2127.0	1369.2	202.3	34.8	3.8	4.5	4.8	45.3	305.9	1275.6
66°	2574.8	2121.4	1344.9	184.1	32.7	3.9	4.7	5.0	42.0	283.6	1246.2
67°	2539.4	2111.8	1314.8	166.9	30.9	4.1	4.9	5.2	39.2	262.6	1225.8
68°	2525.0	2094.8	1284.9	149.6	29.4	4.3	5.1	5.4	37.1	242.7	1202.7
69°	2504.9	2071.8	1252.7	136.7	28.2	4.4	5.3	5.5	35.2	225.0	1183.8
70°	2463.0	2057.9	1229.2	125.1	26.7	4.6	5.5	5.7	33.6	208.5	1167.5
71°	2432.1	2035.1	1191.6	114.9	25.4	4.8	5.7	5.9	32.1	192.0	1134.4
72°	2410.7	2017.0	1162.6	105.9	24.2	5.0	5.9	6.0	30.6	176.4	1107.9
73°	2384.0	1993.0	1131.1	97.9	23.0	5.1	6.1	6.2	29.3	161.8	1085.5
74°	2342.5	1972.2	1104.1	90.7	21.8	5.3	6.4	6.3	28.0	148.4	1057.4
75°	2310.9	1940.4	1071.5	83.6	20.7	5.5	6.6	6.4	27.0	135.6	1022.8
76°	2278.9	1910.9	1030.3	77.3	19.8	5.7	6.8	6.5	26.1	123.9	997.3
77°	2227.0	1885.0	1004.6	71.4	19.3	5.9	7.0	6.6	25.3	113.4	967.0
78°	2200.1	1858.2	977.2	66.2	18.8	6.1	7.2	6.7	24.6	103.3	933.2
79°	2158.6	1830.2	946.0	61.0	18.5	6.3	7.4	6.9	23.8	94.3	906.2
80°	2121.2	1799.5	918.9	56.3	18.3	6.5	7.6	7.0	23.3	85.8	877.7
81°	2071.9	1772.5	884.7	51.9	18.0	6.6	7.9	7.2	22.8	78.0	849.1
82°	2036.6	1740.0	851.0	47.9	17.8	6.8	8.1	7.3	22.2	70.6	815.9
83°	1992.4	1702.4	820.8	44.2	17.6	7.0	8.3	7.5	22.0	64.2	786.4
84°	1936.8	1665.3	783.1	40.8	17.4	7.2	8.5	7.7	21.7	58.6	759.1
85°	1896.5	1624.5	753.5	37.5	17.3	7.4	8.7	7.9	21.5	53.5	731.0
86°	1855.2	1588.1	720.7	34.4	17.1	7.5	8.9	8.1	21.1	48.4	702.0
87°	1812.6	1552.0	690.1	31.8	16.9	7.7	9.2	8.2	20.7	44.0	670.0
88°	1774.6	1514.2	659.9	29.5	16.8	7.9	9.4	8.4	21.4	40.0	640.2
89°	1732.3	1471.1	627.0	27.6	16.7	8.1	9.6	8.6	21.4	36.5	611.3





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**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1693.7	1430.1	597.4	26.2	16.4	8.3	9.7	8.7	21.3	33.6	579.7
91°	1651.1	1391.6	567.4	25.0	16.3	8.4	10.0	8.9	21.1	31.4	551.0
92°	1596.0	1351.7	534.5	24.2	16.2	8.6	10.1	9.0	20.3	30.0	521.4
93°	1549.1	1312.6	506.5	23.6	16.0	8.7	10.3	9.1	20.0	29.0	495.3
94°	1508.6	1270.5	476.5	23.3	15.9	8.9	10.5	9.1	19.9	28.2	468.2
95°	1463.6	1229.9	450.3	23.3	15.7	9.0	10.6	9.2	19.7	27.7	443.8
96°	1414.1	1185.3	424.0	23.4	15.5	9.2	10.8	9.3	19.5	27.5	417.7
97°	1366.9	1142.0	398.5	23.8	15.4	9.3	10.9	9.3	19.3	27.4	390.9
98°	1321.6	1097.5	377.8	24.2	15.2	9.4	11.0	9.4	19.1	27.4	367.8
99°	1283.5	1052.7	355.3	24.6	15.0	9.6	11.2	9.5	18.8	27.6	346.5
100°	1236.5	1010.6	334.2	24.8	14.9	9.7	11.3	9.5	18.6	27.8	326.8
101°	1183.0	964.5	315.6	25.2	14.7	9.8	11.4	9.6	18.5	28.1	307.5
102°	1133.0	914.3	295.3	25.5	14.4	9.9	11.5	9.7	18.2	28.5	289.3
103°	1088.5	870.6	277.5	25.8	14.2	10.0	11.5	9.8	18.0	28.8	271.6
104°	1037.6	826.0	260.8	26.0	14.0	10.1	11.6	9.9	17.8	29.2	255.3
105°	984.9	780.5	242.7	26.2	13.8	10.2	11.7	10.1	17.5	29.5	238.7
106°	930.0	740.4	227.8	26.4	13.7	10.3	11.8	10.2	17.4	29.8	220.3
107°	880.2	698.7	212.6	26.4	13.5	10.4	11.8	10.2	17.3	30.1	200.4
108°	824.1	660.9	197.4	26.4	13.4	10.5	11.8	10.3	17.1	30.3	181.5
109°	764.9	618.7	182.9	26.4	13.3	10.6	11.8	10.4	16.9	30.5	162.2
110°	712.3	577.9	167.7	26.4	13.1	10.7	11.8	10.5	16.6	30.6	143.9
111°	661.5	537.9	153.7	26.3	13.0	10.8	11.9	10.6	16.4	30.6	129.0
112°	612.2	494.9	141.8	26.2	12.8	10.8	11.9	10.7	16.1	30.6	116.1
113°	569.6	446.9	130.4	26.1	12.7	10.9	11.9	10.8	15.9	30.4	104.9
114°	528.3	399.0	120.1	25.9	12.6	11.0	12.0	10.9	15.6	30.2	94.5
115°	490.4	345.1	110.2	25.8	12.6	11.1	12.0	11.0	15.4	30.1	86.1
116°	447.4	297.0	101.1	25.7	12.5	11.2	12.0	11.1	15.2	29.9	77.4
117°	403.2	257.1	92.7	25.5	12.4	11.2	12.1	11.2	15.0	29.7	70.3
118°	351.4	221.6	85.3	25.3	12.3	11.3	12.1	11.3	14.8	29.4	64.4
119°	306.4	197.3	78.6	25.0	12.3	11.4	12.1	11.3	14.7	29.1	59.1
120°	268.4	179.8	72.7	24.6	12.2	11.5	12.1	11.4	14.5	28.6	54.3
121°	239.7	163.2	67.6	24.2	12.2	11.6	12.2	11.5	14.3	27.9	49.8
122°	219.0	148.7	64.0	23.7	12.2	11.7	12.2	11.6	14.2	27.1	46.0
123°	200.4	136.9	60.1	23.1	12.1	11.7	12.2	11.7	14.0	26.2	41.6
124°	182.5	123.9	55.3	22.4	12.1	11.8	12.3	11.8	13.9	25.2	37.1
125°	166.4	113.6	50.2	21.7	12.1	11.9	12.3	11.8	13.8	24.2	32.5
126°	150.7	101.1	46.2	21.0	12.0	12.0	12.4	11.9	13.7	23.3	28.9
127°	136.9	90.1	42.6	20.3	12.0	12.1	12.4	12.0	13.5	22.3	26.4
128°	124.0	79.7	39.3	19.5	11.9	12.1	12.4	12.1	13.4	21.5	23.9
129°	110.3	69.6	36.0	18.7	11.9	12.2	12.5	12.1	13.2	20.5	21.6
130°	97.9	61.3	33.0	17.8	11.9	12.3	12.5	12.2	13.0	19.6	19.3
131°	86.0	53.6	29.6	17.0	11.8	12.3	12.6	12.3	12.8	18.6	17.2
132°	72.6	46.6	26.3	16.3	11.8	12.4	12.6	12.4	12.7	17.6	15.3
133°	60.3	41.2	23.4	15.6	11.7	12.5	12.7	12.4	12.4	16.6	13.8
134°	51.3	36.0	20.8	14.9	11.6	12.5	12.8	12.5	12.2	15.5	12.5



REPORT NUMBER: P670592

CATALOG NUMBER: WXP80LSFSUNVDBZ-50W-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	43.0	31.1	18.7	14.3	11.6	12.6	12.8	12.5	11.8	14.4	11.5
136°	36.4	26.6	17.0	13.7	11.5	12.6	12.8	12.6	11.5	13.2	9.9
137°	30.8	22.9	15.1	13.2	11.4	12.7	12.9	12.6	11.1	12.0	8.3
138°	25.9	19.7	13.6	12.7	11.3	12.7	12.9	12.6	10.7	11.0	7.1
139°	21.5	16.4	12.8	12.2	11.2	12.7	13.0	12.7	10.3	10.0	6.7
140°	17.2	13.0	12.1	11.8	11.1	12.7	13.0	12.7	10.2	9.2	6.5
141°	13.6	10.7	11.6	11.4	11.0	12.7	13.1	12.6	10.1	8.4	6.4
142°	10.9	10.0	11.2	11.0	10.9	12.7	13.1	12.6	10.0	7.7	6.4
143°	8.4	9.1	11.0	10.5	10.8	12.7	13.1	12.6	9.9	7.3	6.6
144°	4.5	8.8	10.7	10.1	10.6	12.7	13.1	12.6	9.9	7.0	7.0
145°	3.3	8.9	10.4	9.7	10.4	12.6	13.1	12.5	9.9	6.9	7.4
146°	3.2	8.7	10.4	9.2	10.4	12.6	13.1	12.4	9.8	6.9	7.8
147°	3.1	7.9	10.5	8.7	10.3	12.5	13.0	12.4	9.7	7.0	8.1
148°	3.1	7.3	10.6	8.3	10.3	12.5	13.0	12.3	9.6	7.1	8.5
149°	3.2	7.0	10.9	8.0	10.3	12.4	12.9	12.2	9.5	7.1	8.7
150°	3.2	6.7	11.2	7.9	10.3	12.3	12.8	12.1	9.4	7.2	9.0
151°	3.0	6.5	11.6	7.8	10.3	12.3	12.8	12.0	9.4	7.3	8.5
152°	2.9	5.7	11.2	7.9	10.3	12.2	12.7	11.8	9.4	7.4	7.9
153°	2.8	5.3	10.5	7.9	10.3	12.1	12.5	11.8	9.3	7.5	7.5
154°	3.0	5.6	9.9	8.0	10.3	12.0	12.4	11.7	9.3	7.5	7.1
155°	3.1	6.0	9.2	8.1	10.3	11.8	12.3	11.6	9.2	7.6	6.7
156°	3.3	6.3	8.4	8.1	10.3	11.7	12.2	11.4	9.2	7.7	6.7
157°	3.5	6.6	8.1	8.2	10.3	11.6	12.0	11.2	9.2	7.8	6.8
158°	3.9	6.9	8.0	8.3	10.2	11.5	11.8	11.1	9.1	7.8	6.8
159°	4.2	7.0	7.8	8.3	10.2	11.4	11.7	11.0	9.1	7.9	6.9
160°	4.5	7.0	7.7	8.4	10.2	11.3	11.5	10.8	9.0	8.0	6.9
161°	4.8	7.0	7.6	8.5	10.2	11.2	11.3	10.7	8.9	8.0	7.0
162°	5.0	7.2	7.6	8.5	10.1	11.0	11.2	10.5	8.9	8.1	7.1
163°	5.2	7.1	7.5	8.6	10.1	10.9	11.0	10.4	8.8	8.2	7.2
164°	5.3	6.7	7.5	8.6	10.0	10.8	10.8	10.2	8.8	8.2	7.3
165°	5.4	6.3	7.5	8.7	10.0	10.6	10.6	10.0	8.8	8.3	7.3
166°	5.4	5.8	7.4	8.7	9.9	10.5	10.5	9.9	8.7	8.4	7.4
167°	5.4	5.9	7.1	8.7	9.8	10.4	10.3	9.7	8.6	8.4	7.5
168°	5.5	6.0	7.0	8.8	9.8	10.3	10.1	9.6	8.5	8.5	7.5
169°	5.7	6.1	7.0	8.8	9.7	10.1	9.9	9.4	8.5	8.5	7.6
170°	6.0	6.2	7.0	8.8	9.6	10.0	9.7	9.2	8.4	8.6	7.7
171°	6.2	6.4	7.0	8.9	9.5	9.8	9.5	9.1	8.3	8.6	7.8
172°	6.5	6.5	7.1	8.9	9.5	9.6	9.3	8.9	8.2	8.6	7.8
173°	6.7	6.7	7.2	8.9	9.4	9.5	9.2	8.8	8.1	8.7	7.9
174°	6.9	6.9	7.3	8.9	9.3	9.3	8.9	8.6	8.0	8.7	8.0
175°	7.1	7.0	7.2	8.9	9.2	9.2	8.7	8.4	7.8	8.7	8.1
176°	7.4	7.2	7.2	8.9	9.1	9.0	8.5	8.3	7.4	8.8	8.2
177°	7.6	7.3	7.1	8.9	8.9	8.8	8.3	8.0	7.3	8.8	8.4
178°	7.6	7.3	7.1	8.9	8.8	8.6	8.1	7.7	7.2	8.9	8.5
179°	7.7	7.3	7.1	8.9	8.7	8.4	7.9	7.4	7.2	8.9	8.6



REPORT NUMBER: P670592  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7



REPORT NUMBER: P670592  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
0°	1233.9	1233.9
1°	1316.3	1346.1
2°	1404.0	1458.7
3°	1511.2	1582.3
4°	1618.6	1692.3
5°	1741.7	1808.8
6°	1832.1	1912.1
7°	1908.2	2002.4
8°	1976.1	2085.0
9°	2024.0	2194.4
10°	2104.0	2275.8
11°	2171.7	2345.9
12°	2214.2	2444.1
13°	2315.1	2500.1
14°	2387.3	2540.2
15°	2483.5	2565.1
16°	2510.9	2593.6
17°	2529.9	2591.1
18°	2530.4	2627.6
19°	2477.6	2662.9
20°	2456.9	2650.1
21°	2462.2	2675.3
22°	2489.6	2639.7
23°	2525.5	2639.1
24°	2534.0	2591.3
25°	2527.0	2583.9
26°	2489.4	2550.5
27°	2436.8	2533.1
28°	2387.3	2530.5
29°	2336.2	2493.9
30°	2328.2	2495.8
31°	2334.1	2463.6
32°	2313.2	2463.3
33°	2278.3	2422.8
34°	2244.6	2436.7
35°	2200.4	2403.2
36°	2166.6	2386.3
37°	2125.1	2382.2
38°	2110.9	2382.7
39°	2090.3	2359.1
40°	2090.9	2359.9
41°	2077.2	2342.6
42°	2069.7	2321.2
43°	2025.8	2342.2
44°	2011.3	2322.0



REPORT NUMBER: P670592  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
45°	1991.4	2328.4
46°	1968.9	2348.8
47°	1962.2	2334.9
48°	1959.4	2373.0
49°	1947.4	2371.0
50°	1955.6	2416.5
51°	1959.4	2461.6
52°	1958.6	2528.7
53°	1973.8	2561.6
54°	1985.4	2597.1
55°	2006.1	2610.4
56°	2023.0	2626.7
57°	2040.5	2648.3
58°	2052.6	2654.5
59°	2051.9	2651.0
60°	2049.5	2648.8
61°	2049.2	2648.8
62°	2045.8	2638.4
63°	2041.9	2621.8
64°	2037.3	2616.4
65°	2026.2	2607.8
66°	2017.5	2574.8
67°	2010.2	2539.4
68°	2007.3	2525.0
69°	1994.5	2504.9
70°	1981.1	2463.0
71°	1958.0	2432.1
72°	1943.7	2410.7
73°	1920.2	2384.0
74°	1897.2	2342.5
75°	1874.4	2310.9
76°	1849.8	2278.9
77°	1818.8	2227.0
78°	1791.3	2200.1
79°	1763.7	2158.6
80°	1726.4	2121.2
81°	1693.7	2071.9
82°	1660.6	2036.6
83°	1619.4	1992.4
84°	1580.2	1936.8
85°	1539.8	1896.5
86°	1502.0	1855.2
87°	1461.7	1812.6
88°	1423.3	1774.6
89°	1384.2	1732.3



REPORT NUMBER: P670592  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
90°	1341.0	1693.7
91°	1303.8	1651.1
92°	1265.9	1596.0
93°	1222.3	1549.1
94°	1181.3	1508.6
95°	1141.4	1463.6
96°	1099.4	1414.1
97°	1059.0	1366.9
98°	1016.7	1321.6
99°	975.8	1283.5
100°	932.7	1236.5
101°	890.3	1183.0
102°	844.1	1133.0
103°	799.6	1088.5
104°	756.8	1037.6
105°	713.1	984.9
106°	666.5	930.0
107°	620.8	880.2
108°	577.7	824.1
109°	533.8	764.9
110°	495.3	712.3
111°	458.0	661.5
112°	421.8	612.2
113°	385.1	569.6
114°	349.7	528.3
115°	307.5	490.4
116°	265.0	447.4
117°	230.6	403.2
118°	203.0	351.4
119°	181.8	306.4
120°	165.1	268.4
121°	149.6	239.7
122°	135.6	219.0
123°	123.2	200.4
124°	111.2	182.5
125°	100.1	166.4
126°	88.6	150.7
127°	78.3	136.9
128°	68.0	124.0
129°	57.8	110.3
130°	49.2	97.9
131°	41.5	86.0
132°	34.9	72.6
133°	29.6	60.3
134°	24.9	51.3



REPORT NUMBER: P670592  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
135°	21.0	43.0
136°	17.3	36.4
137°	14.4	30.8
138°	11.9	25.9
139°	9.1	21.5
140°	5.9	17.2
141°	4.8	13.6
142°	4.7	10.9
143°	4.8	8.4
144°	5.1	4.5
145°	5.3	3.3
146°	5.1	3.2
147°	4.8	3.1
148°	4.6	3.1
149°	4.4	3.2
150°	4.4	3.2
151°	4.1	3.0
152°	4.0	2.9
153°	4.4	2.8
154°	4.6	3.0
155°	4.7	3.1
156°	5.0	3.3
157°	5.2	3.5
158°	5.3	3.9
159°	5.3	4.2
160°	5.4	4.5
161°	5.5	4.8
162°	5.5	5.0
163°	5.5	5.2
164°	5.5	5.3
165°	5.6	5.4
166°	5.8	5.4
167°	6.0	5.4
168°	6.2	5.5
169°	6.4	5.7
170°	6.6	6.0
171°	6.8	6.2
172°	7.0	6.5
173°	7.2	6.7
174°	7.4	6.9
175°	7.7	7.1
176°	7.8	7.4
177°	8.0	7.6
178°	8.1	7.6
179°	8.2	7.7

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P670592  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-5000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
180°	7.7	7.7

(END OF REPORT)