

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: P670591

Luminaire Tested: WXPM80LSFSUNVDBZ-50W-4000K

Issue Date: 4/4/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P670591  
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-4000K  
Description: WALL PACK  
Light Source:  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6459 lumens  
Efficiency: N/A  
Efficacy: 137.4 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

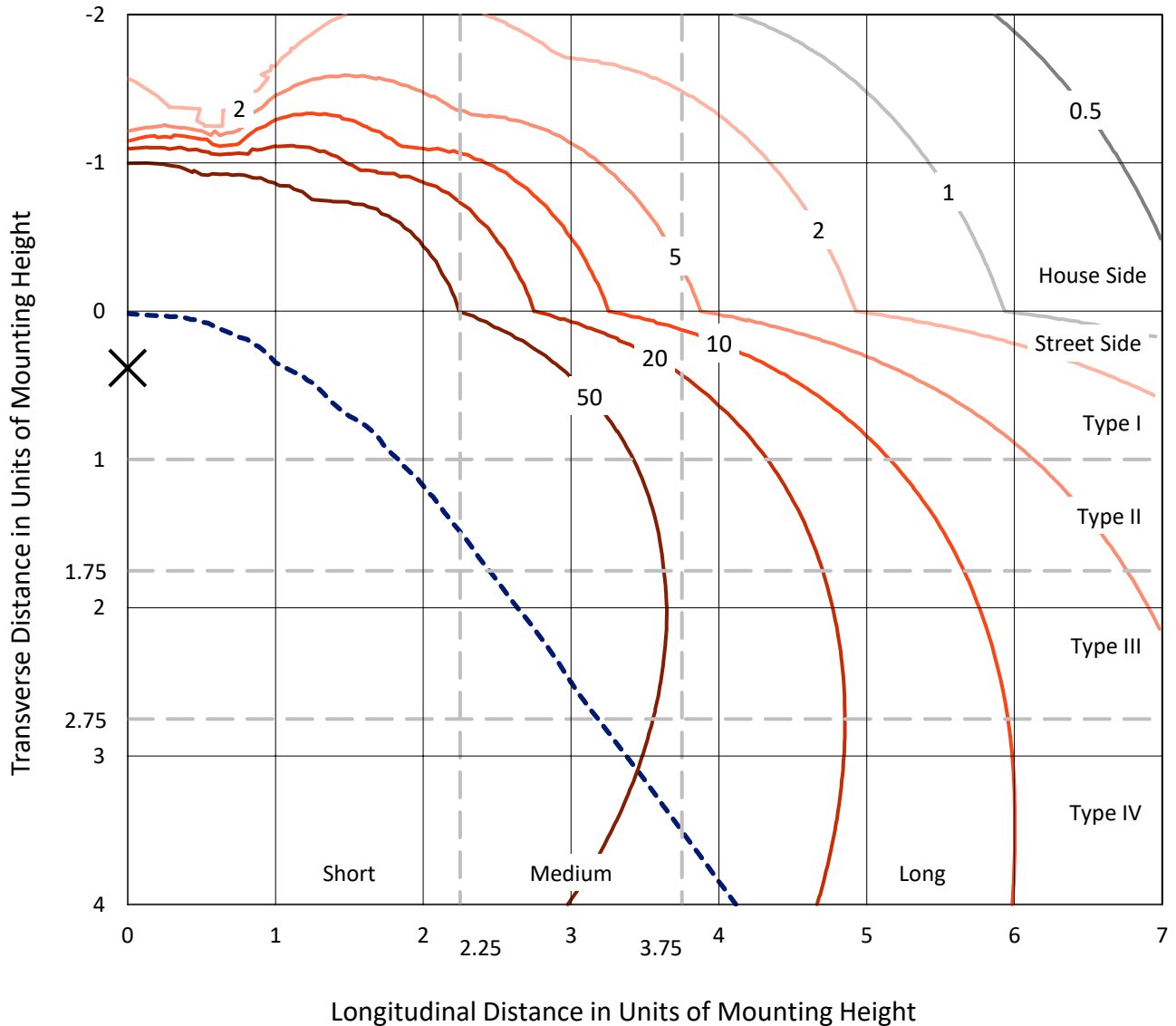
Input Watts (W): 47  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

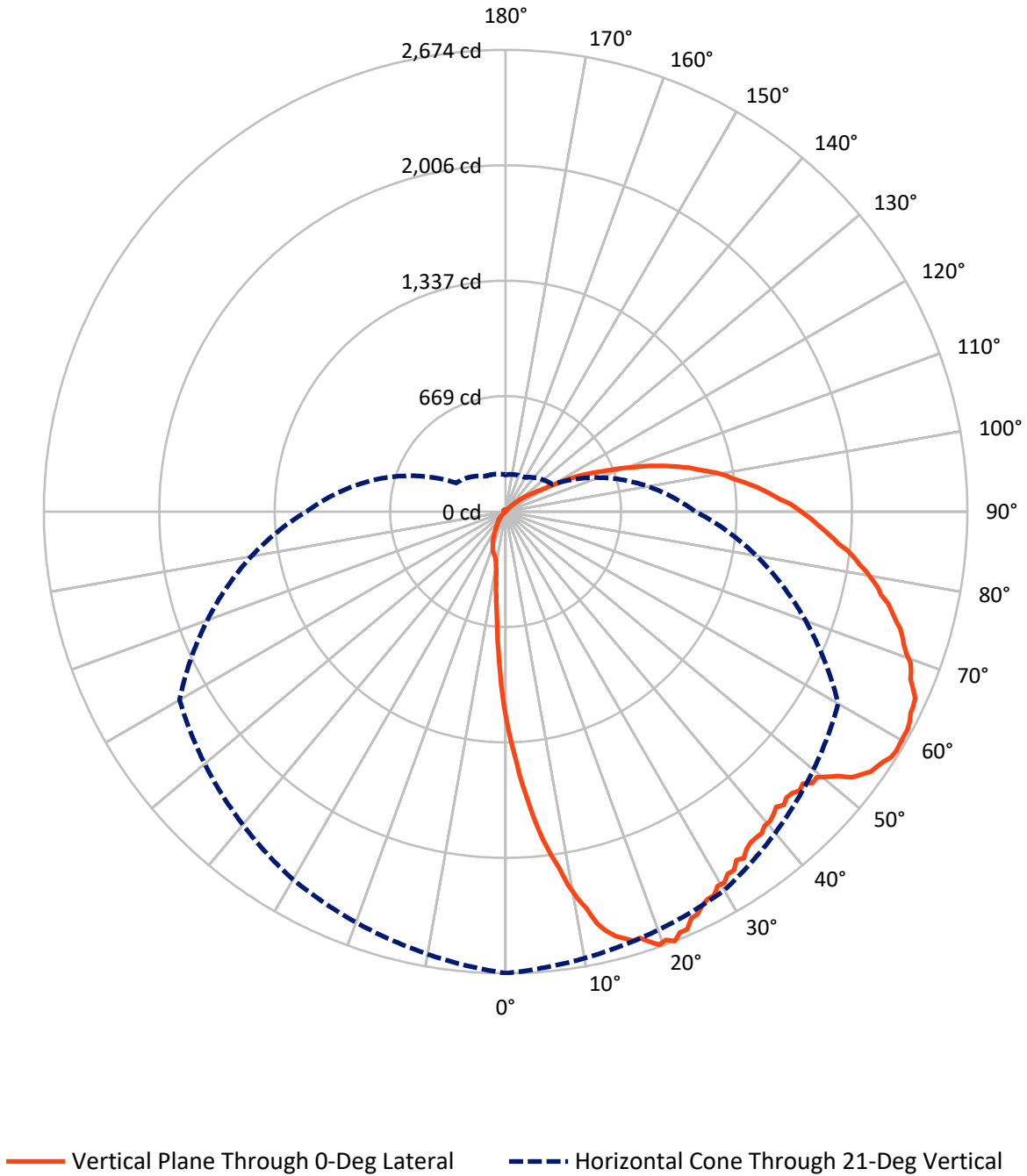
× Max cd  
 - - - 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 9277.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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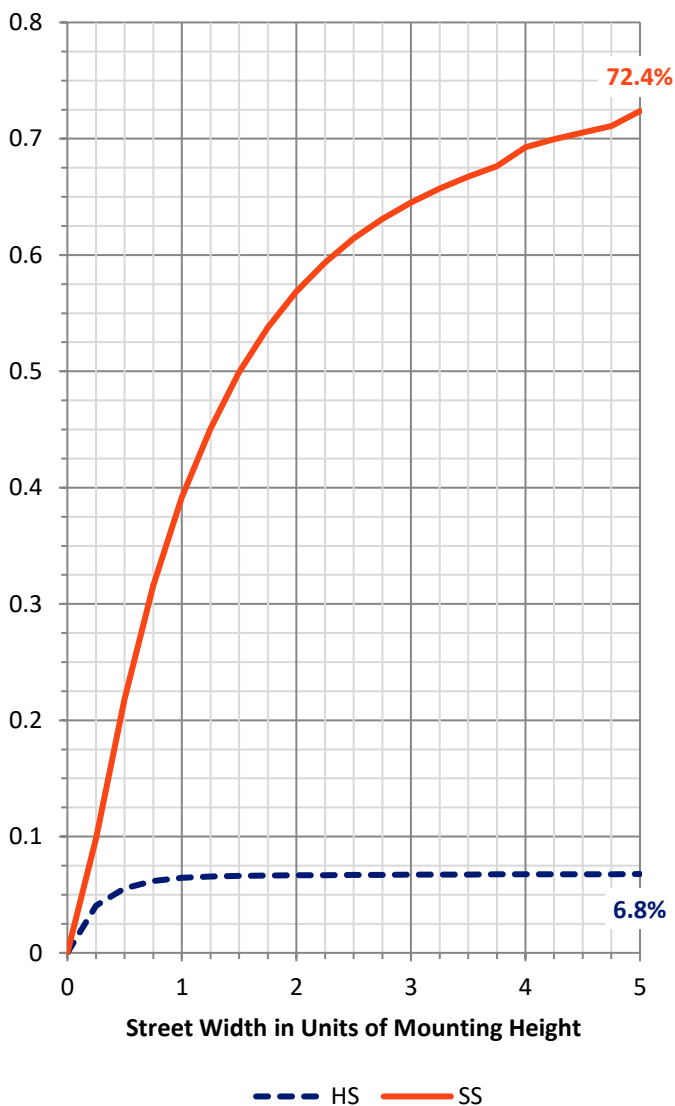
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	444.9	42.7	487.6
	% Fixture	6.9	0.7	7.5
<b>Street Side</b>	Lumens	5106.6	864.7	5971.4
	% Fixture	79.1	13.4	92.5
<b>Total</b>	Lumens	5551.6	907.4	6459.0
	% Fixture	86.0	14.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.7	1.8
10°-20°	364.2	5.6
20°-30°	588.9	9.1
30°-40°	713.3	11.0
40°-50°	766.0	11.9
50°-60°	820.4	12.7
60°-70°	824.8	12.8
70°-80°	748.0	11.6
80°-90°	609.4	9.4
90°-100°	440.7	6.8
100°-110°	272.0	4.2
110°-120°	123.0	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°	5551.6	86.0
0°-180°	6459.0	100.0

**Coefficient of Utilization**

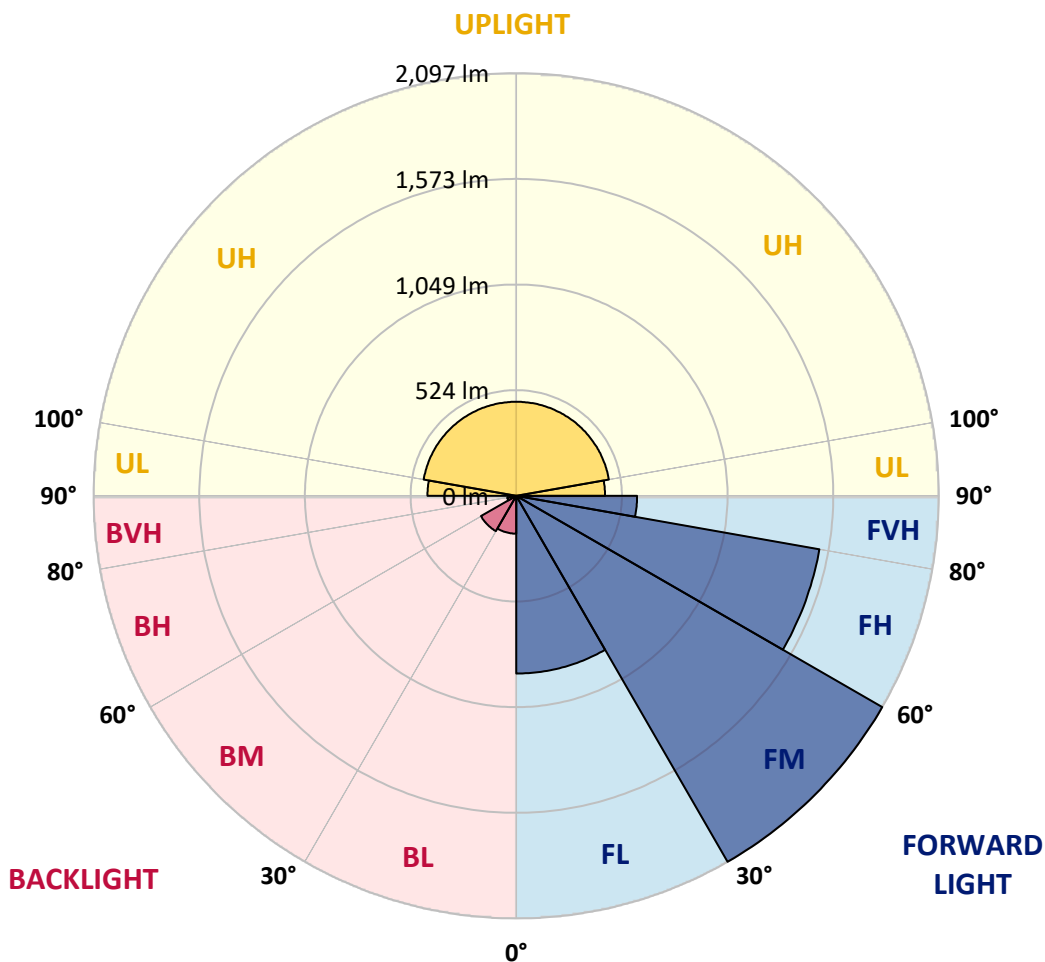


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	882.0	13.7			
FM (30°-60°)	2097.4	32.5			
FH (60°-80°)	1527.8	23.7			G1/1800
FVH (80°-90°)	599.4	9.3			G4/750
BL (0°-30°)	187.7	2.9	B1/500		
BM (30°-60°)	202.2	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°)	440.7	6.8		U3/500	
UH (100°-180°)	466.7	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°	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5
1°	1345.7	1340.4	1300.0	1236.6	1180.0	1136.0	1118.0	1123.5	1161.1	1216.6	1268.7
2°	1458.2	1441.8	1359.3	1234.9	1120.5	1039.0	992.4	1008.9	1106.7	1229.3	1326.2
3°	1581.8	1557.5	1417.5	1227.1	1063.4	926.4	863.4	898.2	1054.5	1244.6	1397.3
4°	1691.8	1656.4	1463.5	1211.3	996.3	819.0	749.2	793.1	991.2	1237.6	1467.3
5°	1808.3	1751.8	1498.0	1197.4	923.4	715.8	635.1	692.9	914.0	1227.0	1498.6
6°	1911.5	1843.8	1556.2	1197.1	853.5	626.4	555.0	618.0	844.7	1235.8	1540.6
7°	2001.8	1922.6	1602.2	1178.6	794.3	555.7	485.1	553.1	789.3	1246.7	1608.6
8°	2084.3	1992.4	1646.5	1153.3	730.7	490.6	423.0	490.4	735.2	1237.3	1688.7
9°	2193.7	2071.0	1677.9	1145.8	668.9	433.9	371.5	434.7	678.5	1226.4	1738.8
10°	2275.1	2165.9	1693.0	1156.0	613.8	386.4	334.3	388.7	627.7	1212.4	1772.5
11°	2345.2	2245.4	1785.6	1148.0	572.8	349.1	307.9	353.3	587.1	1223.2	1801.4
12°	2443.3	2327.1	1843.5	1141.7	534.3	322.0	287.9	327.6	548.1	1233.8	1826.8
13°	2499.3	2383.1	1881.8	1144.1	498.3	301.0	274.1	308.4	517.2	1227.2	1880.0
14°	2539.4	2450.6	1913.4	1134.6	465.2	283.5	265.9	292.1	485.6	1211.1	1945.3
15°	2564.3	2469.9	1958.3	1138.9	436.4	269.4	260.2	279.0	455.2	1200.2	2012.1
16°	2592.8	2469.1	2018.1	1142.4	410.1	258.4	254.3	269.3	426.0	1198.7	2020.7
17°	2590.3	2463.5	2082.7	1138.0	386.4	250.8	248.1	262.3	401.0	1190.0	2025.5
18°	2626.8	2502.7	2140.1	1122.1	366.5	244.9	241.4	255.8	380.0	1170.5	2050.6
19°	2662.1	2527.4	2162.1	1120.8	348.2	239.8	231.7	249.5	361.1	1169.0	2090.7
20°	2649.3	2535.4	2188.1	1119.2	330.1	234.4	223.8	242.6	345.2	1168.0	2139.4
21°	2674.4	2532.7	2224.0	1099.4	314.2	228.5	213.0	236.1	331.9	1153.0	2180.6
22°	2638.9	2564.3	2268.5	1083.0	299.6	219.3	203.4	226.1	320.5	1148.8	2179.8
23°	2638.2	2576.0	2295.3	1047.6	286.1	212.3	192.9	218.7	309.1	1141.7	2177.0
24°	2590.5	2612.8	2303.6	1036.3	272.2	202.9	182.7	208.0	297.2	1125.7	2179.4
25°	2583.1	2569.9	2308.1	1004.5	258.9	194.1	171.1	199.1	286.3	1119.2	2201.2
26°	2549.7	2556.4	2306.7	971.8	246.5	185.6	160.4	190.2	276.1	1113.2	2232.1
27°	2532.3	2497.3	2316.6	952.5	236.8	175.5	149.2	178.8	265.4	1102.6	2242.1
28°	2529.7	2471.2	2341.8	946.1	228.5	166.6	139.0	168.0	256.5	1098.2	2245.5
29°	2493.1	2448.9	2306.0	934.2	221.3	156.4	128.8	158.8	249.0	1090.7	2205.3
30°	2495.0	2408.9	2266.5	911.1	214.3	146.6	119.8	150.2	242.7	1078.2	2166.8
31°	2462.8	2422.8	2246.2	889.1	207.7	137.2	110.9	141.7	236.3	1056.5	2155.6
32°	2462.5	2424.4	2209.0	863.6	201.7	128.7	103.6	133.5	230.4	1039.4	2141.4
33°	2422.0	2400.9	2155.1	838.4	196.1	120.6	95.8	126.2	224.6	1009.7	2144.5
34°	2436.0	2381.5	2153.5	815.6	190.2	113.2	88.3	118.8	218.7	982.9	2114.4
35°	2402.5	2367.2	2150.8	791.5	184.5	105.9	82.5	112.0	211.4	962.9	2083.7
36°	2385.6	2347.5	2118.3	764.5	179.8	99.1	76.8	105.3	206.2	950.9	2068.7
37°	2381.5	2317.9	2099.9	749.2	175.0	92.2	70.6	98.9	200.9	929.4	2037.2
38°	2382.0	2292.2	2114.7	740.6	168.9	85.5	67.1	92.4	193.7	909.4	1966.1
39°	2358.4	2270.4	2095.5	744.1	164.1	78.7	65.2	86.3	187.4	868.1	1930.0
40°	2359.2	2234.5	2075.7	726.0	158.8	72.5	61.5	80.2	181.6	843.9	1878.3
41°	2341.9	2218.1	2089.9	702.5	152.9	66.4	57.5	74.4	174.6	817.9	1833.1
42°	2320.5	2194.4	2038.6	664.0	147.2	60.6	53.2	68.7	168.9	805.3	1798.9
43°	2341.5	2167.8	1953.0	630.7	141.0	54.9	48.3	63.1	162.6	794.6	1770.8
44°	2321.3	2169.4	1902.9	611.3	135.8	49.6	41.6	57.6	156.2	781.7	1725.4

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CATALOG NUMBER: WXP80LSFSUNVDBZ-50W-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	2327.6	2191.1	1842.5	621.6	130.0	44.5	34.5	52.0	149.8	770.6	1693.0
46°	2348.1	2196.3	1774.3	610.4	124.8	39.4	28.7	46.3	143.3	748.4	1689.9
47°	2334.1	2151.4	1743.7	591.2	118.8	34.4	20.4	40.4	137.2	718.3	1674.0
48°	2372.2	2123.0	1740.3	562.7	113.4	29.9	14.3	34.9	131.0	691.4	1640.6
49°	2370.2	2112.2	1745.5	538.7	107.4	25.1	2.8	29.1	125.0	671.9	1616.5
50°	2415.7	2100.5	1732.1	528.0	101.7	20.6	2.1	23.9	119.3	661.7	1592.5
51°	2460.9	2118.1	1736.6	511.1	95.7	15.3	2.2	18.6	113.9	642.6	1540.7
52°	2527.9	2115.3	1746.2	477.7	90.4	10.0	2.4	13.1	108.7	610.4	1518.1
53°	2560.8	2123.0	1716.5	452.5	84.8	2.4	2.5	5.4	103.1	576.9	1480.8
54°	2596.3	2147.4	1670.7	441.9	80.0	2.2	2.7	3.2	97.8	559.5	1440.5
55°	2609.6	2162.8	1636.1	420.3	74.5	2.3	2.8	3.3	92.3	552.9	1435.6
56°	2625.8	2176.1	1586.8	390.8	69.6	2.4	3.0	3.4	86.8	529.7	1437.8
57°	2647.5	2173.4	1555.8	366.8	65.0	2.6	3.1	3.5	81.1	501.9	1433.4
58°	2653.7	2182.8	1526.0	349.3	60.5	2.7	3.3	3.7	76.0	482.0	1424.5
59°	2650.2	2179.1	1519.5	330.9	56.2	2.9	3.5	3.8	70.9	456.7	1402.1
60°	2648.0	2171.5	1522.3	309.5	52.0	3.0	3.6	3.9	66.1	425.7	1376.2
61°	2647.9	2151.5	1505.2	287.3	48.1	3.1	3.8	4.1	61.5	399.5	1339.0
62°	2637.6	2154.1	1478.4	267.6	44.2	3.3	4.0	4.3	57.0	375.1	1315.1
63°	2621.0	2144.0	1428.1	245.1	40.7	3.5	4.2	4.5	52.8	352.4	1298.0
64°	2615.6	2134.0	1388.9	223.5	37.4	3.6	4.3	4.7	48.9	329.2	1285.7
65°	2607.0	2126.4	1368.7	202.2	34.8	3.8	4.5	4.8	45.3	305.8	1275.2
66°	2574.0	2120.7	1344.5	184.0	32.6	3.9	4.7	5.0	42.0	283.5	1245.8
67°	2538.6	2111.1	1314.4	166.9	30.9	4.1	4.9	5.2	39.2	262.6	1225.5
68°	2524.2	2094.2	1284.5	149.5	29.4	4.3	5.1	5.4	37.0	242.6	1202.4
69°	2504.1	2071.1	1252.3	136.7	28.2	4.4	5.3	5.5	35.2	225.0	1183.5
70°	2462.3	2057.3	1228.9	125.1	26.7	4.6	5.5	5.7	33.6	208.4	1167.2
71°	2431.3	2034.5	1191.3	114.8	25.4	4.8	5.7	5.9	32.1	192.0	1134.1
72°	2409.9	2016.3	1162.3	105.9	24.2	5.0	5.9	6.0	30.6	176.3	1107.5
73°	2383.2	1992.3	1130.7	97.9	23.0	5.1	6.1	6.2	29.3	161.8	1085.1
74°	2341.8	1971.6	1103.7	90.6	21.8	5.3	6.4	6.3	28.0	148.3	1057.1
75°	2310.2	1939.8	1071.1	83.5	20.7	5.5	6.6	6.4	27.0	135.5	1022.4
76°	2278.2	1910.3	1030.0	77.3	19.8	5.7	6.8	6.5	26.1	123.9	997.0
77°	2226.3	1884.4	1004.3	71.4	19.3	5.9	7.0	6.6	25.3	113.3	966.7
78°	2199.4	1857.7	976.9	66.1	18.8	6.1	7.2	6.7	24.6	103.3	932.9
79°	2157.9	1829.6	945.7	61.0	18.5	6.3	7.4	6.9	23.8	94.3	906.0
80°	2120.6	1799.0	918.6	56.3	18.3	6.4	7.6	7.0	23.3	85.7	877.4
81°	2071.3	1772.0	884.4	51.9	18.0	6.6	7.9	7.2	22.8	78.0	848.9
82°	2035.9	1739.4	850.7	47.9	17.8	6.8	8.1	7.3	22.2	70.6	815.7
83°	1991.8	1701.9	820.5	44.2	17.6	7.0	8.3	7.5	22.0	64.2	786.1
84°	1936.2	1664.8	782.9	40.8	17.4	7.2	8.5	7.7	21.7	58.6	758.9
85°	1895.9	1624.0	753.2	37.5	17.3	7.4	8.7	7.9	21.5	53.5	730.8
86°	1854.6	1587.6	720.4	34.4	17.1	7.5	8.9	8.1	21.1	48.4	701.8
87°	1812.0	1551.5	689.8	31.8	16.9	7.7	9.2	8.2	20.7	44.0	669.8
88°	1774.1	1513.7	659.7	29.4	16.8	7.9	9.3	8.4	21.4	40.0	640.0
89°	1731.7	1470.6	626.8	27.6	16.7	8.1	9.5	8.6	21.4	36.5	611.2





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**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1693.1	1429.7	597.2	26.2	16.4	8.3	9.7	8.7	21.3	33.6	579.5
91°	1650.6	1391.2	567.2	25.0	16.3	8.4	9.9	8.9	21.1	31.4	550.8
92°	1595.5	1351.3	534.3	24.2	16.2	8.6	10.1	9.0	20.3	30.0	521.3
93°	1548.6	1312.1	506.4	23.6	16.0	8.7	10.3	9.1	20.0	28.9	495.2
94°	1508.1	1270.1	476.4	23.3	15.9	8.9	10.5	9.1	19.9	28.2	468.1
95°	1463.2	1229.5	450.1	23.3	15.7	9.0	10.6	9.2	19.7	27.7	443.7
96°	1413.7	1185.0	423.9	23.4	15.5	9.2	10.8	9.3	19.5	27.5	417.6
97°	1366.5	1141.7	398.3	23.8	15.4	9.3	10.9	9.3	19.3	27.4	390.7
98°	1321.2	1097.2	377.7	24.2	15.2	9.4	11.0	9.4	19.1	27.4	367.7
99°	1283.1	1052.4	355.2	24.6	15.0	9.6	11.2	9.5	18.8	27.5	346.4
100°	1236.1	1010.2	334.1	24.8	14.9	9.7	11.3	9.5	18.6	27.7	326.7
101°	1182.7	964.2	315.6	25.1	14.7	9.8	11.4	9.6	18.5	28.1	307.4
102°	1132.7	914.0	295.2	25.5	14.4	9.9	11.5	9.7	18.2	28.5	289.2
103°	1088.2	870.4	277.4	25.8	14.2	10.0	11.5	9.8	18.0	28.8	271.5
104°	1037.3	825.8	260.7	26.0	14.0	10.1	11.6	9.9	17.8	29.2	255.3
105°	984.6	780.3	242.7	26.2	13.8	10.2	11.7	10.0	17.5	29.5	238.6
106°	929.8	740.2	227.7	26.3	13.7	10.3	11.8	10.2	17.4	29.8	220.2
107°	879.9	698.5	212.5	26.4	13.5	10.4	11.8	10.2	17.3	30.1	200.3
108°	823.9	660.7	197.3	26.4	13.4	10.5	11.8	10.3	17.1	30.3	181.4
109°	764.7	618.5	182.8	26.4	13.3	10.6	11.8	10.4	16.8	30.5	162.1
110°	712.0	577.8	167.7	26.4	13.1	10.7	11.8	10.5	16.6	30.6	143.9
111°	661.3	537.7	153.7	26.3	13.0	10.8	11.9	10.6	16.4	30.6	128.9
112°	612.0	494.8	141.8	26.2	12.8	10.8	11.9	10.7	16.1	30.6	116.1
113°	569.4	446.7	130.4	26.1	12.7	10.9	11.9	10.8	15.9	30.4	104.9
114°	528.2	398.9	120.1	25.9	12.6	11.0	12.0	10.9	15.6	30.2	94.5
115°	490.3	345.0	110.2	25.8	12.6	11.1	12.0	11.0	15.4	30.1	86.0
116°	447.3	296.9	101.1	25.7	12.5	11.2	12.0	11.1	15.2	29.9	77.4
117°	403.1	257.0	92.7	25.5	12.4	11.2	12.0	11.2	15.0	29.7	70.2
118°	351.3	221.5	85.3	25.3	12.3	11.3	12.1	11.3	14.8	29.4	64.4
119°	306.3	197.2	78.6	25.0	12.3	11.4	12.1	11.3	14.7	29.1	59.1
120°	268.3	179.7	72.7	24.6	12.2	11.5	12.1	11.4	14.5	28.6	54.3
121°	239.6	163.1	67.6	24.2	12.2	11.6	12.2	11.5	14.3	27.9	49.8
122°	218.9	148.7	64.0	23.6	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°	182.4	123.8	55.3	22.4	12.1	11.8	12.3	11.8	13.9	25.2	37.0
125°	166.4	113.5	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°	136.8	90.1	42.6	20.3	12.0	12.1	12.4	12.0	13.5	22.3	26.3
128°	123.9	79.7	39.3	19.5	11.9	12.1	12.4	12.1	13.4	21.5	23.9
129°	110.2	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°	72.5	46.6	26.3	16.3	11.8	12.4	12.6	12.3	12.6	17.6	15.3
133°	60.3	41.1	23.4	15.6	11.7	12.5	12.7	12.4	12.4	16.6	13.8
134°	51.2	36.0	20.8	14.9	11.6	12.5	12.8	12.5	12.2	15.5	12.5



REPORT NUMBER: P670591

CATALOG NUMBER: WXP80LSFSUNVDBZ-50W-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	43.0	31.1	18.7	14.2	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	13.1	11.4	12.6	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	6.9
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	11.9	9.4	7.3	8.5
152°	2.9	5.7	11.2	7.8	10.3	12.2	12.6	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	12.1	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	6.9	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	11.1	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	7.4	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	8.3	7.4
167°	5.4	5.9	7.1	8.7	9.8	10.4	10.3	9.7	8.6	8.4	7.4
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: P670591  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-4000K

**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: P670591  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
0°	1233.5	1233.5
1°	1315.9	1345.7
2°	1403.6	1458.2
3°	1510.8	1581.8
4°	1618.1	1691.8
5°	1741.2	1808.3
6°	1831.5	1911.5
7°	1907.6	2001.8
8°	1975.5	2084.3
9°	2023.3	2193.7
10°	2103.4	2275.1
11°	2171.0	2345.2
12°	2213.6	2443.3
13°	2314.4	2499.3
14°	2386.6	2539.4
15°	2482.7	2564.3
16°	2510.1	2592.8
17°	2529.1	2590.3
18°	2529.6	2626.8
19°	2476.9	2662.1
20°	2456.2	2649.3
21°	2461.4	2674.4
22°	2488.8	2638.9
23°	2524.7	2638.2
24°	2533.2	2590.5
25°	2526.2	2583.1
26°	2488.7	2549.7
27°	2436.1	2532.3
28°	2386.6	2529.7
29°	2335.5	2493.1
30°	2327.5	2495.0
31°	2333.4	2462.8
32°	2312.5	2462.5
33°	2277.6	2422.0
34°	2243.9	2436.0
35°	2199.7	2402.5
36°	2165.9	2385.6
37°	2124.4	2381.5
38°	2110.2	2382.0
39°	2089.6	2358.4
40°	2090.2	2359.2
41°	2076.5	2341.9
42°	2069.1	2320.5
43°	2025.2	2341.5
44°	2010.7	2321.3



REPORT NUMBER: P670591  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
45°	1990.8	2327.6
46°	1968.3	2348.1
47°	1961.6	2334.1
48°	1958.8	2372.2
49°	1946.8	2370.2
50°	1955.0	2415.7
51°	1958.8	2460.9
52°	1958.0	2527.9
53°	1973.2	2560.8
54°	1984.7	2596.3
55°	2005.5	2609.6
56°	2022.4	2625.8
57°	2039.9	2647.5
58°	2052.0	2653.7
59°	2051.2	2650.2
60°	2048.9	2648.0
61°	2048.5	2647.9
62°	2045.2	2637.6
63°	2041.2	2621.0
64°	2036.7	2615.6
65°	2025.6	2607.0
66°	2016.9	2574.0
67°	2009.6	2538.6
68°	2006.6	2524.2
69°	1993.9	2504.1
70°	1980.5	2462.3
71°	1957.4	2431.3
72°	1943.1	2409.9
73°	1919.6	2383.2
74°	1896.6	2341.8
75°	1873.8	2310.2
76°	1849.3	2278.2
77°	1818.2	2226.3
78°	1790.8	2199.4
79°	1763.1	2157.9
80°	1725.9	2120.6
81°	1693.2	2071.3
82°	1660.1	2035.9
83°	1618.9	1991.8
84°	1579.7	1936.2
85°	1539.3	1895.9
86°	1501.5	1854.6
87°	1461.2	1812.0
88°	1422.8	1774.1
89°	1383.8	1731.7



REPORT NUMBER: P670591  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
90°	1340.6	1693.1
91°	1303.4	1650.6
92°	1265.5	1595.5
93°	1221.9	1548.6
94°	1180.9	1508.1
95°	1141.0	1463.2
96°	1099.1	1413.7
97°	1058.7	1366.5
98°	1016.3	1321.2
99°	975.5	1283.1
100°	932.4	1236.1
101°	890.0	1182.7
102°	843.8	1132.7
103°	799.3	1088.2
104°	756.6	1037.3
105°	712.9	984.6
106°	666.3	929.8
107°	620.6	879.9
108°	577.5	823.9
109°	533.6	764.7
110°	495.1	712.0
111°	457.9	661.3
112°	421.6	612.0
113°	385.0	569.4
114°	349.6	528.2
115°	307.4	490.3
116°	265.0	447.3
117°	230.5	403.1
118°	203.0	351.3
119°	181.7	306.3
120°	165.0	268.3
121°	149.6	239.6
122°	135.6	218.9
123°	123.2	200.4
124°	111.2	182.4
125°	100.0	166.4
126°	88.6	150.7
127°	78.3	136.8
128°	67.9	123.9
129°	57.8	110.2
130°	49.2	97.9
131°	41.5	86.0
132°	34.9	72.5
133°	29.6	60.3
134°	24.9	51.2



REPORT NUMBER: P670591  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-4000K

**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: P670591  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-50W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
180°	7.7	7.7

(END OF REPORT)