

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: P670588

Luminaire Tested: WXPM80LSFSUNVDBZ-40W-4000K

Issue Date: 4/4/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P670588  
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-40W-4000K  
Description: WALL PACK  
Light Source: 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5372 lumens  
Efficiency: N/A  
Efficacy: 141.4 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 - G3

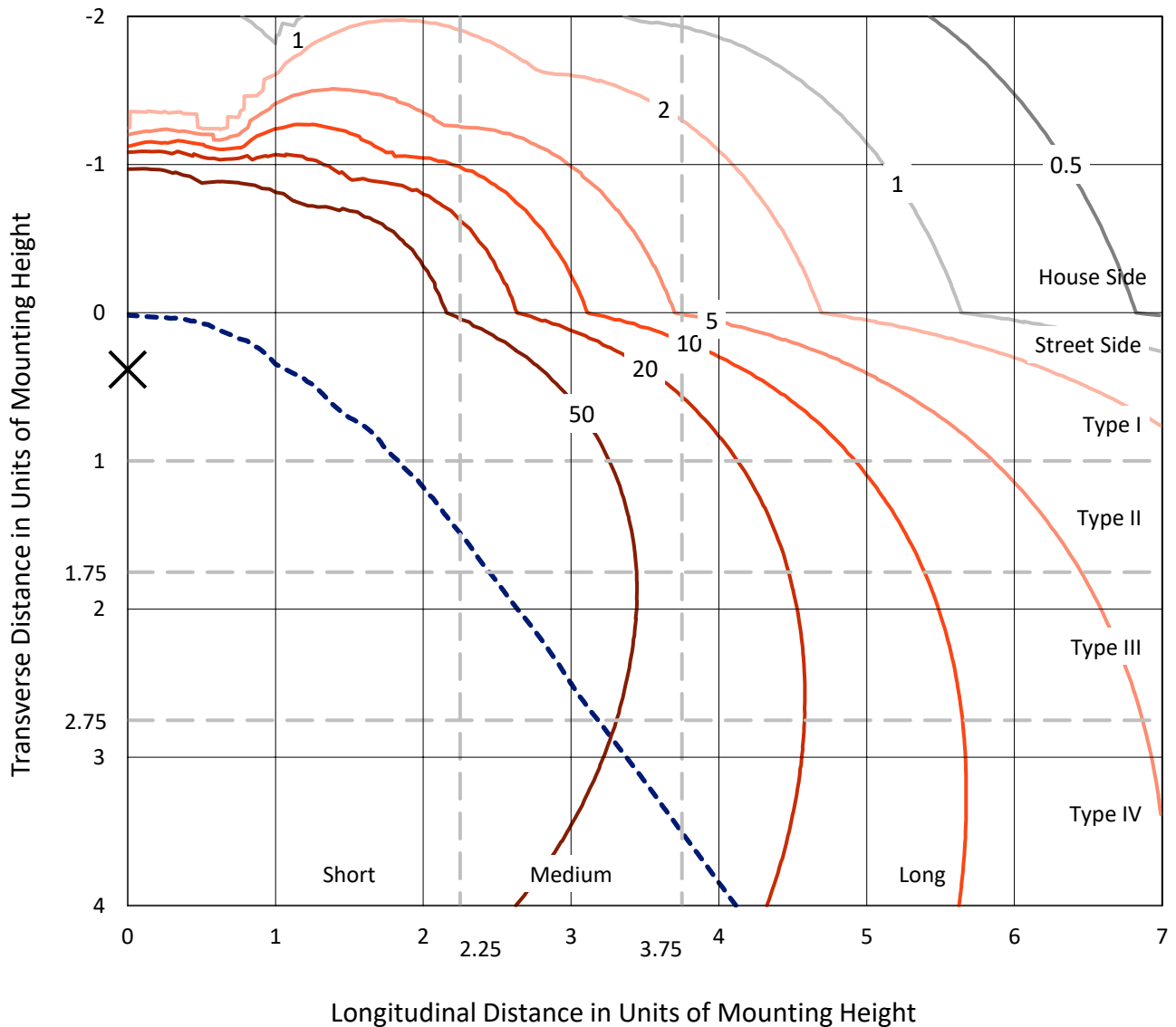
Input Watts (W): 38  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

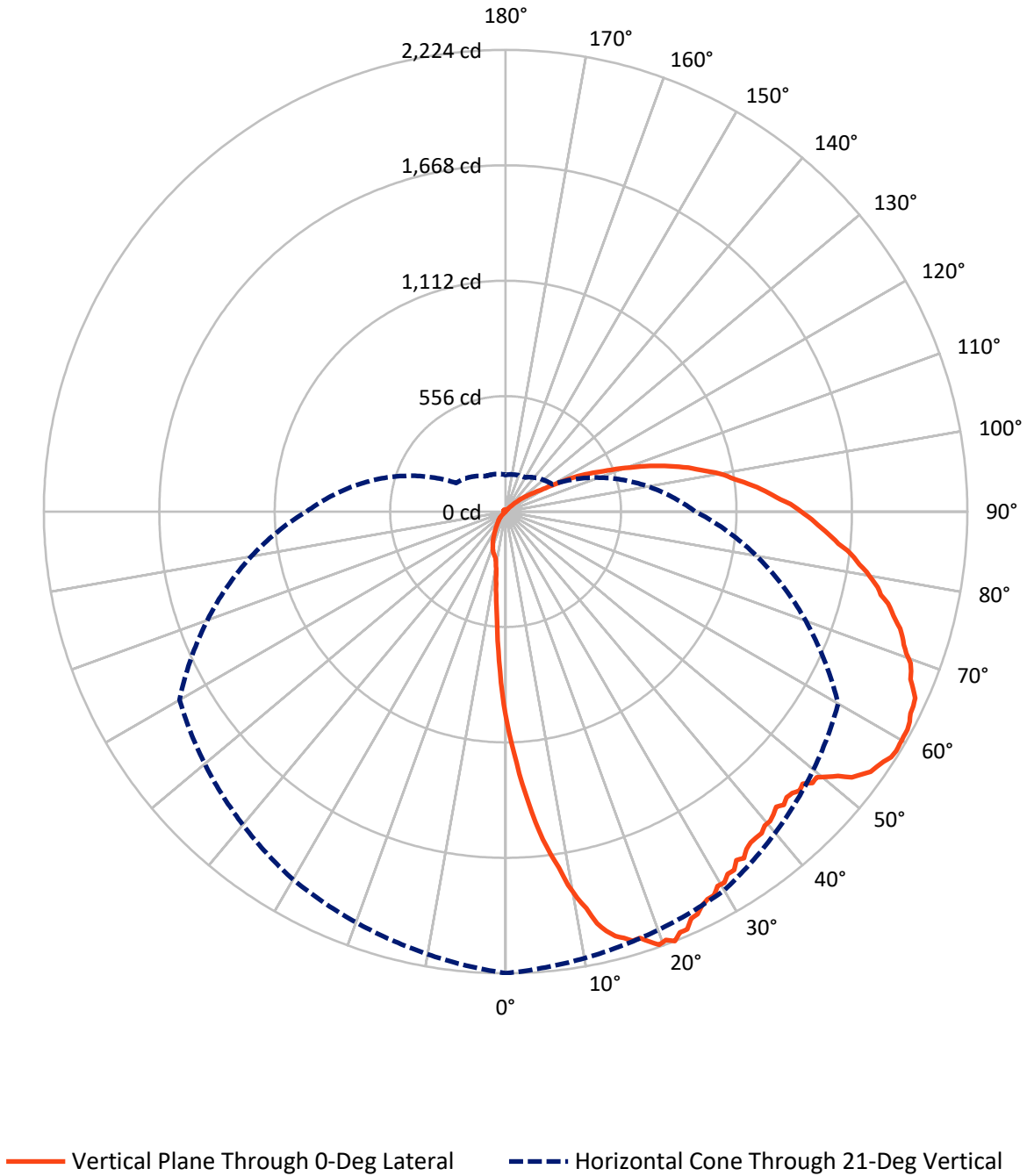
× Max cd  
 - - - 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 7716.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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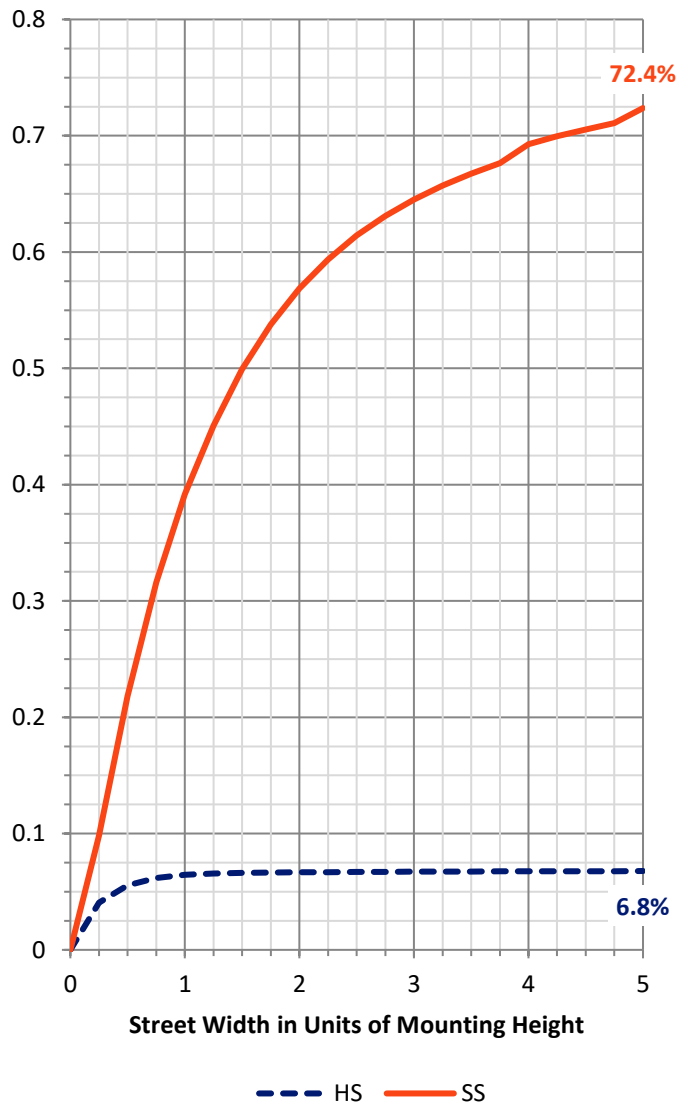
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	370.1	35.5	405.6
	% Fixture	6.9	0.7	7.5
<b>Street Side</b>	Lumens	4247.2	719.2	4966.4
	% Fixture	79.1	13.4	92.5
<b>Total</b>	Lumens	4617.3	754.7	5372.0
	% Fixture	86.0	14.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.0	1.8
10°-20°	302.9	5.6
20°-30°	489.8	9.1
30°-40°	593.2	11.0
40°-50°	637.1	11.9
50°-60°	682.3	12.7
60°-70°	686.0	12.8
70°-80°	622.1	11.6
80°-90°	506.9	9.4
90°-100°	366.5	6.8
100°-110°	226.3	4.2
110°-120°	102.3	1.9
120°-130°	36.5	0.7
130°-140°	12.3	0.2
140°-150°	5.0	0.1
150°-160°	3.3	0.1
160°-170°	2.0	0.0
170°-180°	0.6	0.0
0°-90°	4617.3	86.0
0°-180°	5372.0	100.0

**Coefficient of Utilization**

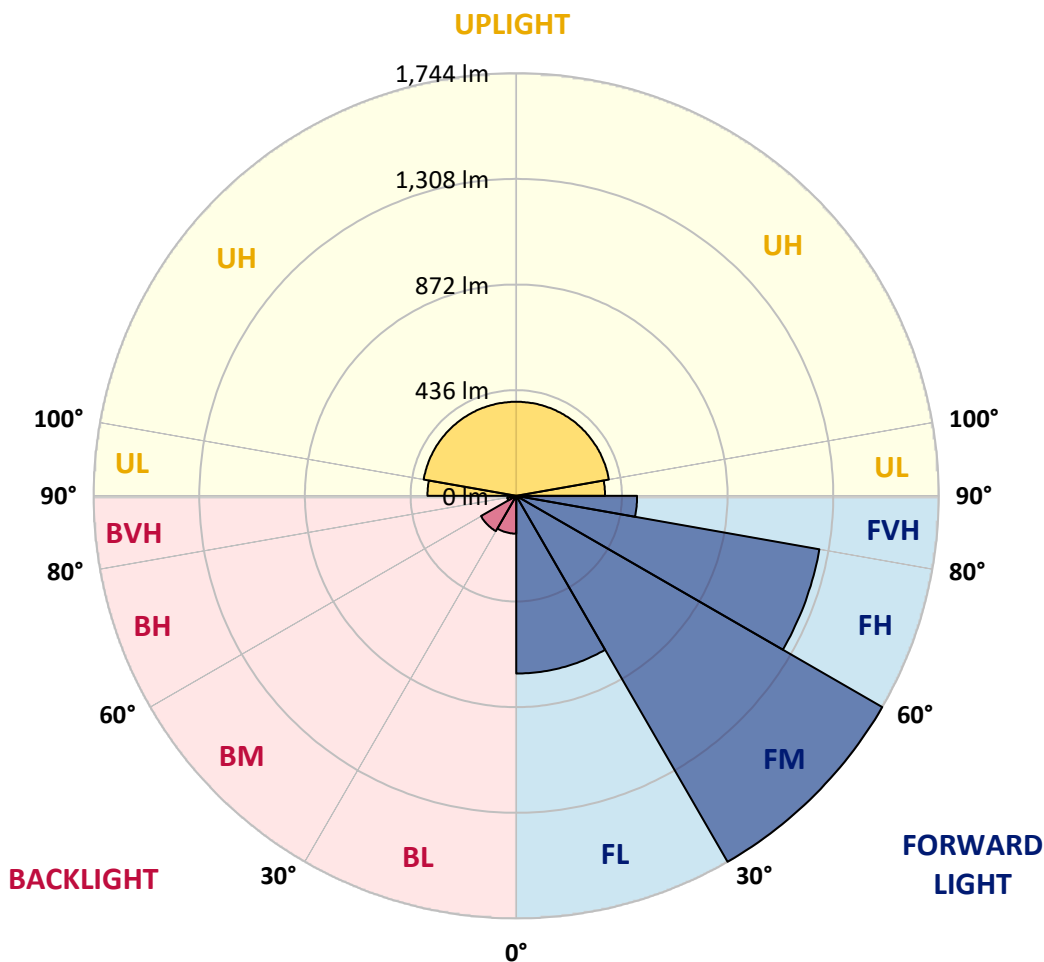


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	733.6	13.7			
FM (30°-60°)	1744.5	32.5			
FH (60°-80°)	1270.6	23.7			G1/1800
FVH (80°-90°)	498.6	9.3			G3/500
BL (0°-30°)	156.1	2.9	B1/500		
BM (30°-60°)	168.2	3.1	B0/220		
BH (60°-80°)	37.5	0.7	B0/110		G0/110
BVH (80°-90°)	8.3	0.2			G0/10
UL (90°-100°)	366.5	6.8		U3/500	
UH (100°-180°)	388.2	7.2		U3/500	

**BUG Rating: B1-U3-G3**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9
1°	1119.2	1114.9	1081.2	1028.5	981.4	944.8	929.8	934.4	965.7	1011.9	1055.2
2°	1212.8	1199.1	1130.6	1027.1	931.9	864.1	825.4	839.1	920.5	1022.4	1103.0
3°	1315.6	1295.4	1178.9	1020.6	884.5	770.5	718.1	747.0	877.0	1035.1	1162.1
4°	1407.1	1377.6	1217.2	1007.4	828.6	681.2	623.1	659.6	824.4	1029.3	1220.4
5°	1503.9	1457.0	1245.9	995.9	768.0	595.3	528.3	576.3	760.2	1020.5	1246.4
6°	1589.8	1533.5	1294.3	995.6	709.9	521.0	461.6	514.0	702.6	1027.8	1281.3
7°	1664.9	1599.1	1332.5	980.3	660.6	462.2	403.4	460.0	656.5	1036.9	1337.9
8°	1733.6	1657.1	1369.4	959.2	607.8	408.1	351.8	407.9	611.5	1029.0	1404.5
9°	1824.5	1722.4	1395.5	952.9	556.4	360.9	309.0	361.5	564.3	1020.0	1446.1
10°	1892.3	1801.4	1408.1	961.4	510.5	321.4	278.0	323.3	522.1	1008.4	1474.2
11°	1950.5	1867.5	1485.1	954.8	476.4	290.3	256.1	293.8	488.3	1017.3	1498.2
12°	2032.1	1935.5	1533.3	949.6	444.4	267.8	239.4	272.5	455.9	1026.2	1519.4
13°	2078.7	1982.0	1565.1	951.5	414.5	250.3	228.0	256.5	430.2	1020.7	1563.6
14°	2112.1	2038.2	1591.4	943.6	386.9	235.8	221.2	243.0	403.9	1007.3	1617.9
15°	2132.7	2054.3	1628.7	947.2	363.0	224.1	216.4	232.0	378.6	998.3	1673.5
16°	2156.5	2053.6	1678.5	950.1	341.1	214.9	211.5	224.0	354.3	996.9	1680.6
17°	2154.4	2048.9	1732.2	946.5	321.4	208.6	206.3	218.1	333.5	989.7	1684.6
18°	2184.7	2081.5	1779.9	933.3	304.8	203.7	200.8	212.7	316.0	973.5	1705.5
19°	2214.1	2102.0	1798.2	932.2	289.6	199.5	192.7	207.5	300.3	972.2	1738.9
20°	2203.4	2108.7	1819.8	930.8	274.5	194.9	186.1	201.8	287.1	971.4	1779.4
21°	2224.4	2106.4	1849.7	914.4	261.3	190.1	177.1	196.4	276.0	959.0	1813.7
22°	2194.8	2132.7	1886.8	900.7	249.2	182.4	169.2	188.0	266.6	955.5	1812.9
23°	2194.2	2142.5	1909.0	871.3	237.9	176.6	160.5	181.9	257.0	949.6	1810.6
24°	2154.5	2173.1	1915.9	861.9	226.4	168.8	151.9	173.0	247.2	936.3	1812.6
25°	2148.3	2137.4	1919.7	835.5	215.3	161.4	142.3	165.6	238.1	930.9	1830.8
26°	2120.6	2126.2	1918.5	808.3	205.0	154.4	133.4	158.2	229.7	925.9	1856.5
27°	2106.1	2077.1	1926.8	792.2	196.9	145.9	124.1	148.7	220.8	917.1	1864.8
28°	2104.0	2055.3	1947.7	786.9	190.1	138.5	115.6	139.8	213.3	913.4	1867.6
29°	2073.5	2036.8	1917.9	777.0	184.1	130.1	107.1	132.0	207.1	907.1	1834.2
30°	2075.1	2003.5	1885.1	757.8	178.2	121.9	99.7	124.9	201.8	896.8	1802.2
31°	2048.4	2015.0	1868.2	739.5	172.7	114.1	92.3	117.8	196.5	878.7	1792.8
32°	2048.1	2016.4	1837.2	718.3	167.8	107.0	86.1	111.1	191.6	864.5	1781.0
33°	2014.4	1996.8	1792.4	697.3	163.1	100.3	79.7	105.0	186.8	839.8	1783.6
34°	2026.0	1980.7	1791.1	678.3	158.2	94.1	73.5	98.8	181.9	817.4	1758.6
35°	1998.1	1968.8	1788.8	658.3	153.5	88.1	68.6	93.2	175.8	800.9	1733.1
36°	1984.1	1952.5	1761.8	635.8	149.5	82.4	63.9	87.6	171.5	790.9	1720.5
37°	1980.7	1927.9	1746.5	623.1	145.6	76.7	58.7	82.2	167.1	773.0	1694.3
38°	1981.1	1906.5	1758.8	616.0	140.5	71.1	55.8	76.9	161.1	756.4	1635.2
39°	1961.5	1888.3	1742.8	618.8	136.5	65.4	54.3	71.8	155.9	722.0	1605.2
40°	1962.2	1858.4	1726.4	603.8	132.1	60.3	51.1	66.7	151.0	701.9	1562.2
41°	1947.8	1844.8	1738.2	584.3	127.2	55.2	47.8	61.9	145.2	680.2	1524.6
42°	1929.9	1825.1	1695.5	552.2	122.4	50.4	44.3	57.2	140.5	669.8	1496.2
43°	1947.5	1803.0	1624.4	524.5	117.3	45.7	40.1	52.5	135.2	660.8	1472.8
44°	1930.6	1804.3	1582.7	508.4	113.0	41.3	34.6	47.9	130.0	650.2	1435.0



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CATALOG NUMBER: WXP80LSFSUNVDBZ-40W-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	1935.9	1822.3	1532.4	517.0	108.1	37.0	28.7	43.3	124.6	640.9	1408.1
46°	1952.9	1826.7	1475.7	507.7	103.8	32.8	23.8	38.5	119.2	622.4	1405.5
47°	1941.3	1789.3	1450.3	491.7	98.8	28.6	17.0	33.6	114.1	597.4	1392.2
48°	1973.0	1765.7	1447.4	468.0	94.3	24.9	11.9	29.0	108.9	575.1	1364.5
49°	1971.3	1756.8	1451.7	448.1	89.3	20.9	2.4	24.2	104.0	558.8	1344.5
50°	2009.2	1747.0	1440.6	439.1	84.5	17.1	1.7	19.9	99.2	550.3	1324.5
51°	2046.7	1761.6	1444.4	425.1	79.6	12.7	1.8	15.5	94.7	534.4	1281.4
52°	2102.5	1759.3	1452.4	397.3	75.2	8.4	2.0	10.9	90.4	507.7	1262.6
53°	2129.8	1765.7	1427.6	376.4	70.6	2.0	2.1	4.5	85.7	479.8	1231.6
54°	2159.4	1786.0	1389.5	367.5	66.5	1.8	2.2	2.7	81.4	465.4	1198.0
55°	2170.4	1798.8	1360.7	349.6	62.0	1.9	2.3	2.7	76.8	459.8	1194.0
56°	2183.9	1809.9	1319.8	325.0	57.9	2.0	2.5	2.8	72.2	440.6	1195.8
57°	2201.9	1807.7	1294.0	305.1	54.0	2.1	2.6	2.9	67.5	417.4	1192.1
58°	2207.1	1815.5	1269.2	290.5	50.3	2.3	2.7	3.0	63.2	400.9	1184.8
59°	2204.2	1812.4	1263.8	275.2	46.8	2.4	2.9	3.1	59.0	379.9	1166.1
60°	2202.4	1806.0	1266.1	257.4	43.3	2.5	3.0	3.3	54.9	354.0	1144.6
61°	2202.3	1789.4	1251.9	238.9	40.0	2.6	3.2	3.4	51.1	332.2	1113.7
62°	2193.7	1791.6	1229.6	222.6	36.7	2.7	3.3	3.6	47.4	312.0	1093.8
63°	2179.9	1783.2	1187.7	203.8	33.8	2.9	3.5	3.7	43.9	293.1	1079.5
64°	2175.4	1774.8	1155.1	185.8	31.1	3.0	3.6	3.9	40.7	273.8	1069.3
65°	2168.2	1768.5	1138.4	168.2	28.9	3.1	3.8	4.0	37.7	254.4	1060.6
66°	2140.8	1763.8	1118.2	153.1	27.2	3.3	3.9	4.2	34.9	235.8	1036.1
67°	2111.4	1755.8	1093.2	138.8	25.7	3.4	4.1	4.4	32.6	218.4	1019.2
68°	2099.4	1741.8	1068.3	124.4	24.5	3.6	4.3	4.5	30.8	201.8	1000.0
69°	2082.7	1722.6	1041.6	113.7	23.4	3.7	4.4	4.6	29.3	187.1	984.3
70°	2047.9	1711.1	1022.1	104.1	22.2	3.8	4.6	4.7	27.9	173.3	970.8
71°	2022.2	1692.1	990.8	95.5	21.1	4.0	4.8	4.9	26.7	159.7	943.2
72°	2004.4	1677.0	966.7	88.1	20.1	4.1	4.9	5.0	25.4	146.6	921.1
73°	1982.2	1657.0	940.4	81.4	19.1	4.3	5.1	5.1	24.4	134.6	902.5
74°	1947.7	1639.8	918.0	75.4	18.2	4.4	5.3	5.2	23.3	123.4	879.2
75°	1921.4	1613.3	890.9	69.5	17.2	4.6	5.5	5.3	22.5	112.7	850.4
76°	1894.8	1588.8	856.7	64.3	16.5	4.7	5.6	5.4	21.7	103.0	829.2
77°	1851.6	1567.3	835.3	59.4	16.0	4.9	5.8	5.5	21.1	94.3	804.0
78°	1829.3	1545.0	812.5	55.0	15.7	5.1	6.0	5.6	20.5	85.9	775.9
79°	1794.7	1521.7	786.5	50.8	15.4	5.2	6.2	5.7	19.8	78.4	753.5
80°	1763.7	1496.2	764.0	46.8	15.2	5.4	6.4	5.8	19.4	71.3	729.8
81°	1722.7	1473.8	735.6	43.2	15.0	5.5	6.5	6.0	19.0	64.9	706.0
82°	1693.3	1446.7	707.5	39.8	14.8	5.7	6.7	6.1	18.5	58.7	678.4
83°	1656.6	1415.5	682.4	36.8	14.6	5.8	6.9	6.2	18.3	53.4	653.8
84°	1610.4	1384.6	651.1	33.9	14.5	6.0	7.1	6.4	18.0	48.7	631.2
85°	1576.9	1350.7	626.5	31.2	14.4	6.1	7.3	6.5	17.9	44.5	607.8
86°	1542.5	1320.4	599.2	28.6	14.2	6.3	7.4	6.7	17.5	40.3	583.7
87°	1507.1	1290.4	573.7	26.5	14.1	6.4	7.6	6.8	17.2	36.6	557.1
88°	1475.5	1259.0	548.6	24.5	13.9	6.6	7.8	7.0	17.8	33.3	532.3
89°	1440.3	1223.1	521.3	23.0	13.9	6.7	7.9	7.1	17.8	30.4	508.3





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**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1408.2	1189.1	496.7	21.8	13.7	6.9	8.1	7.2	17.7	27.9	482.0
91°	1372.8	1157.1	471.8	20.8	13.5	7.0	8.3	7.4	17.6	26.1	458.1
92°	1327.0	1123.9	444.4	20.1	13.4	7.1	8.4	7.5	16.9	24.9	433.6
93°	1288.0	1091.3	421.2	19.6	13.3	7.3	8.6	7.6	16.6	24.1	411.8
94°	1254.3	1056.3	396.2	19.4	13.2	7.4	8.7	7.6	16.6	23.4	389.3
95°	1216.9	1022.6	374.4	19.4	13.1	7.5	8.8	7.7	16.3	23.1	369.0
96°	1175.8	985.5	352.5	19.5	12.9	7.6	8.9	7.7	16.2	22.9	347.3
97°	1136.5	949.5	331.3	19.8	12.8	7.7	9.1	7.8	16.0	22.8	325.0
98°	1098.9	912.5	314.1	20.1	12.6	7.9	9.2	7.8	15.9	22.8	305.8
99°	1067.1	875.3	295.4	20.4	12.5	8.0	9.3	7.9	15.7	22.9	288.1
100°	1028.1	840.2	277.9	20.7	12.4	8.1	9.4	7.9	15.5	23.1	271.7
101°	983.6	801.9	262.4	20.9	12.2	8.2	9.5	8.0	15.3	23.3	255.7
102°	942.1	760.2	245.5	21.2	12.0	8.3	9.5	8.1	15.2	23.7	240.5
103°	905.0	723.9	230.7	21.4	11.8	8.3	9.6	8.2	15.0	24.0	225.8
104°	862.7	686.8	216.8	21.6	11.6	8.4	9.7	8.3	14.8	24.3	212.3
105°	818.9	649.0	201.8	21.8	11.5	8.5	9.7	8.4	14.6	24.5	198.4
106°	773.3	615.6	189.4	21.9	11.4	8.6	9.8	8.4	14.5	24.8	183.2
107°	731.8	580.9	176.7	22.0	11.3	8.7	9.8	8.5	14.4	25.0	166.6
108°	685.2	549.5	164.1	22.0	11.1	8.7	9.8	8.6	14.2	25.2	150.9
109°	636.0	514.4	152.0	22.0	11.0	8.8	9.8	8.7	14.0	25.4	134.8
110°	592.2	480.5	139.5	21.9	10.9	8.9	9.8	8.7	13.8	25.4	119.7
111°	550.0	447.2	127.8	21.9	10.8	9.0	9.9	8.8	13.6	25.5	107.2
112°	509.0	411.5	117.9	21.8	10.7	9.0	9.9	8.9	13.4	25.4	96.6
113°	473.6	371.6	108.4	21.7	10.6	9.1	9.9	9.0	13.2	25.3	87.3
114°	439.3	331.7	99.8	21.6	10.5	9.2	10.0	9.1	13.0	25.1	78.6
115°	407.8	286.9	91.6	21.5	10.4	9.2	10.0	9.1	12.8	25.0	71.6
116°	372.0	247.0	84.1	21.4	10.4	9.3	10.0	9.2	12.6	24.9	64.4
117°	335.2	213.7	77.1	21.2	10.3	9.4	10.0	9.3	12.5	24.7	58.4
118°	292.2	184.2	70.9	21.0	10.3	9.4	10.0	9.4	12.3	24.5	53.5
119°	254.7	164.0	65.4	20.8	10.2	9.5	10.1	9.4	12.2	24.2	49.2
120°	223.2	149.5	60.5	20.5	10.2	9.6	10.1	9.5	12.1	23.8	45.1
121°	199.3	135.7	56.2	20.1	10.1	9.6	10.1	9.6	11.9	23.2	41.4
122°	182.1	123.6	53.2	19.7	10.1	9.7	10.1	9.6	11.8	22.5	38.2
123°	166.7	113.8	50.0	19.2	10.1	9.8	10.2	9.7	11.7	21.8	34.6
124°	151.7	103.0	46.0	18.7	10.1	9.8	10.2	9.8	11.6	21.0	30.8
125°	138.4	94.4	41.7	18.1	10.0	9.9	10.2	9.8	11.5	20.2	27.0
126°	125.3	84.1	38.4	17.5	10.0	10.0	10.3	9.9	11.4	19.4	24.1
127°	113.8	74.9	35.4	16.9	10.0	10.0	10.3	10.0	11.3	18.6	21.9
128°	103.1	66.3	32.7	16.2	9.9	10.1	10.3	10.0	11.1	17.9	19.9
129°	91.7	57.9	29.9	15.5	9.9	10.1	10.4	10.1	11.0	17.1	18.0
130°	81.4	51.0	27.4	14.8	9.9	10.2	10.4	10.2	10.8	16.3	16.1
131°	71.5	44.6	24.6	14.2	9.8	10.3	10.5	10.2	10.7	15.5	14.3
132°	60.3	38.8	21.9	13.6	9.8	10.3	10.5	10.3	10.5	14.7	12.7
133°	50.1	34.2	19.5	12.9	9.7	10.4	10.6	10.3	10.3	13.8	11.5
134°	42.6	30.0	17.3	12.4	9.7	10.4	10.6	10.4	10.1	12.9	10.4



REPORT NUMBER: P670588  
 CATALOG NUMBER: WXP80LSFSUNVDBZ-40W-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	35.7	25.9	15.6	11.9	9.6	10.4	10.6	10.4	9.8	11.9	9.6
136°	30.3	22.1	14.1	11.4	9.5	10.5	10.7	10.5	9.6	11.0	8.2
137°	25.6	19.1	12.6	10.9	9.5	10.5	10.7	10.5	9.3	10.0	6.9
138°	21.6	16.4	11.3	10.5	9.4	10.5	10.8	10.5	8.9	9.1	5.9
139°	17.9	13.7	10.6	10.2	9.3	10.6	10.8	10.5	8.6	8.3	5.6
140°	14.3	10.8	10.1	9.8	9.3	10.6	10.8	10.6	8.5	7.6	5.4
141°	11.3	8.9	9.6	9.5	9.2	10.6	10.9	10.5	8.4	7.0	5.3
142°	9.1	8.3	9.3	9.1	9.1	10.6	10.9	10.5	8.3	6.4	5.3
143°	7.0	7.6	9.1	8.8	9.0	10.6	10.9	10.5	8.3	6.0	5.5
144°	3.8	7.3	8.9	8.4	8.8	10.5	10.9	10.5	8.2	5.8	5.8
145°	2.8	7.4	8.6	8.0	8.7	10.5	10.9	10.4	8.2	5.7	6.1
146°	2.6	7.2	8.7	7.7	8.6	10.5	10.9	10.4	8.2	5.7	6.5
147°	2.6	6.5	8.7	7.3	8.6	10.4	10.8	10.3	8.1	5.8	6.7
148°	2.6	6.1	8.9	6.9	8.6	10.4	10.8	10.2	8.0	5.9	7.0
149°	2.6	5.8	9.0	6.7	8.6	10.3	10.7	10.1	7.9	5.9	7.2
150°	2.7	5.6	9.3	6.5	8.6	10.3	10.7	10.0	7.9	6.0	7.5
151°	2.5	5.4	9.6	6.5	8.6	10.2	10.6	9.9	7.8	6.1	7.1
152°	2.4	4.8	9.3	6.5	8.6	10.1	10.5	9.8	7.8	6.1	6.6
153°	2.4	4.4	8.7	6.6	8.6	10.0	10.4	9.8	7.8	6.2	6.2
154°	2.5	4.7	8.2	6.7	8.6	9.9	10.3	9.7	7.7	6.3	5.9
155°	2.6	5.0	7.7	6.7	8.6	9.8	10.2	9.6	7.7	6.3	5.6
156°	2.7	5.3	7.0	6.8	8.5	9.8	10.1	9.5	7.6	6.4	5.6
157°	3.0	5.5	6.7	6.8	8.5	9.7	10.0	9.3	7.6	6.5	5.6
158°	3.2	5.7	6.6	6.9	8.5	9.6	9.8	9.2	7.6	6.5	5.7
159°	3.5	5.8	6.5	6.9	8.5	9.5	9.7	9.1	7.5	6.6	5.7
160°	3.8	5.8	6.4	7.0	8.5	9.4	9.6	9.0	7.5	6.6	5.8
161°	4.0	5.9	6.3	7.0	8.4	9.3	9.4	8.9	7.4	6.7	5.8
162°	4.1	6.0	6.3	7.1	8.4	9.2	9.3	8.8	7.4	6.7	5.9
163°	4.3	5.9	6.2	7.1	8.4	9.1	9.1	8.7	7.4	6.8	6.0
164°	4.4	5.6	6.2	7.2	8.3	9.0	9.0	8.5	7.3	6.8	6.0
165°	4.5	5.3	6.2	7.2	8.3	8.9	8.8	8.3	7.3	6.9	6.1
166°	4.5	4.8	6.2	7.2	8.2	8.7	8.7	8.2	7.2	6.9	6.1
167°	4.5	4.9	5.9	7.3	8.2	8.6	8.5	8.1	7.2	7.0	6.2
168°	4.6	5.0	5.8	7.3	8.1	8.5	8.4	8.0	7.1	7.0	6.2
169°	4.8	5.1	5.8	7.3	8.1	8.4	8.3	7.8	7.1	7.1	6.3
170°	5.0	5.2	5.8	7.4	8.0	8.3	8.1	7.7	7.0	7.1	6.4
171°	5.2	5.3	5.8	7.4	7.9	8.2	7.9	7.5	6.9	7.1	6.4
172°	5.4	5.4	5.9	7.4	7.9	8.0	7.8	7.4	6.8	7.2	6.5
173°	5.6	5.6	6.0	7.4	7.8	7.9	7.6	7.3	6.8	7.2	6.6
174°	5.8	5.7	6.0	7.4	7.7	7.8	7.4	7.2	6.7	7.2	6.7
175°	5.9	5.9	6.0	7.4	7.6	7.6	7.2	7.0	6.5	7.3	6.8
176°	6.1	6.0	6.0	7.4	7.5	7.5	7.1	6.9	6.2	7.3	6.8
177°	6.3	6.1	5.9	7.4	7.4	7.3	6.9	6.7	6.1	7.3	7.0
178°	6.3	6.1	5.9	7.4	7.3	7.2	6.7	6.4	6.0	7.4	7.0
179°	6.4	6.1	5.9	7.4	7.2	7.0	6.5	6.2	6.0	7.4	7.1



REPORT NUMBER: P670588  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4



REPORT NUMBER: P670588  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
0°	1025.9	1025.9
1°	1094.4	1119.2
2°	1167.4	1212.8
3°	1256.5	1315.6
4°	1345.8	1407.1
5°	1448.1	1503.9
6°	1523.3	1589.8
7°	1586.5	1664.9
8°	1643.0	1733.6
9°	1682.8	1824.5
10°	1749.4	1892.3
11°	1805.6	1950.5
12°	1841.0	2032.1
13°	1924.9	2078.7
14°	1984.9	2112.1
15°	2064.9	2132.7
16°	2087.7	2156.5
17°	2103.5	2154.4
18°	2103.9	2184.7
19°	2060.0	2214.1
20°	2042.8	2203.4
21°	2047.2	2224.4
22°	2070.0	2194.8
23°	2099.8	2194.2
24°	2106.9	2154.5
25°	2101.1	2148.3
26°	2069.9	2120.6
27°	2026.1	2106.1
28°	1984.9	2104.0
29°	1942.4	2073.5
30°	1935.8	2075.1
31°	1940.7	2048.4
32°	1923.4	2048.1
33°	1894.3	2014.4
34°	1866.3	2026.0
35°	1829.5	1998.1
36°	1801.4	1984.1
37°	1766.9	1980.7
38°	1755.1	1981.1
39°	1738.0	1961.5
40°	1738.4	1962.2
41°	1727.1	1947.8
42°	1720.9	1929.9
43°	1684.4	1947.5
44°	1672.3	1930.6



REPORT NUMBER: P670588  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
45°	1655.7	1935.9
46°	1637.1	1952.9
47°	1631.5	1941.3
48°	1629.2	1973.0
49°	1619.1	1971.3
50°	1625.9	2009.2
51°	1629.2	2046.7
52°	1628.5	2102.5
53°	1641.1	2129.8
54°	1650.7	2159.4
55°	1668.0	2170.4
56°	1682.0	2183.9
57°	1696.6	2201.9
58°	1706.7	2207.1
59°	1706.0	2204.2
60°	1704.1	2202.4
61°	1703.8	2202.3
62°	1701.0	2193.7
63°	1697.7	2179.9
64°	1693.9	2175.4
65°	1684.7	2168.2
66°	1677.5	2140.8
67°	1671.4	2111.4
68°	1668.9	2099.4
69°	1658.3	2082.7
70°	1647.2	2047.9
71°	1628.0	2022.2
72°	1616.1	2004.4
73°	1596.5	1982.2
74°	1577.4	1947.7
75°	1558.5	1921.4
76°	1538.0	1894.8
77°	1512.2	1851.6
78°	1489.4	1829.3
79°	1466.4	1794.7
80°	1435.4	1763.7
81°	1408.2	1722.7
82°	1380.7	1693.3
83°	1346.5	1656.6
84°	1313.9	1610.4
85°	1280.2	1576.9
86°	1248.8	1542.5
87°	1215.3	1507.1
88°	1183.4	1475.5
89°	1150.9	1440.3



REPORT NUMBER: P670588  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
90°	1115.0	1408.2
91°	1084.0	1372.8
92°	1052.5	1327.0
93°	1016.3	1288.0
94°	982.2	1254.3
95°	949.0	1216.9
96°	914.1	1175.8
97°	880.5	1136.5
98°	845.3	1098.9
99°	811.3	1067.1
100°	775.5	1028.1
101°	740.2	983.6
102°	701.8	942.1
103°	664.8	905.0
104°	629.3	862.7
105°	592.9	818.9
106°	554.1	773.3
107°	516.2	731.8
108°	480.3	685.2
109°	443.8	636.0
110°	411.8	592.2
111°	380.8	550.0
112°	350.7	509.0
113°	320.2	473.6
114°	290.8	439.3
115°	255.6	407.8
116°	220.4	372.0
117°	191.7	335.2
118°	168.8	292.2
119°	151.1	254.7
120°	137.3	223.2
121°	124.4	199.3
122°	112.7	182.1
123°	102.4	166.7
124°	92.5	151.7
125°	83.2	138.4
126°	73.7	125.3
127°	65.1	113.8
128°	56.5	103.1
129°	48.1	91.7
130°	40.9	81.4
131°	34.5	71.5
132°	29.0	60.3
133°	24.6	50.1
134°	20.7	42.6



REPORT NUMBER: P670588  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
135°	17.4	35.7
136°	14.4	30.3
137°	12.0	25.6
138°	9.9	21.6
139°	7.5	17.9
140°	4.9	14.3
141°	4.0	11.3
142°	3.9	9.1
143°	4.0	7.0
144°	4.3	3.8
145°	4.4	2.8
146°	4.3	2.6
147°	4.0	2.6
148°	3.8	2.6
149°	3.7	2.6
150°	3.6	2.7
151°	3.4	2.5
152°	3.3	2.4
153°	3.6	2.4
154°	3.8	2.5
155°	3.9	2.6
156°	4.1	2.7
157°	4.3	3.0
158°	4.4	3.2
159°	4.4	3.5
160°	4.5	3.8
161°	4.6	4.0
162°	4.6	4.1
163°	4.6	4.3
164°	4.6	4.4
165°	4.6	4.5
166°	4.8	4.5
167°	5.0	4.5
168°	5.1	4.6
169°	5.3	4.8
170°	5.5	5.0
171°	5.7	5.2
172°	5.8	5.4
173°	6.0	5.6
174°	6.2	5.8
175°	6.4	5.9
176°	6.5	6.1
177°	6.6	6.3
178°	6.7	6.3
179°	6.8	6.4

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

Scaled Data Report



REPORT NUMBER: P670588  
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-4000K

**CANDELA DISTRIBUTION (continued):**

	330°	360°
180°	6.4	6.4

(END OF REPORT)