

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: P670594

Luminaire Tested: WXPM80LSFSUNVDBZ-60W-4000K

Issue Date: 4/4/2023

Test Information

Test Method: LM-79-2019
Report Number: P670594
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: WXP80LSFSUNVDBZ-60W-4000K
Description: WALL PACK
Light Source:
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7583 lumens
Efficiency: N/A
Efficacy: 134.2 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 - U4 - G4

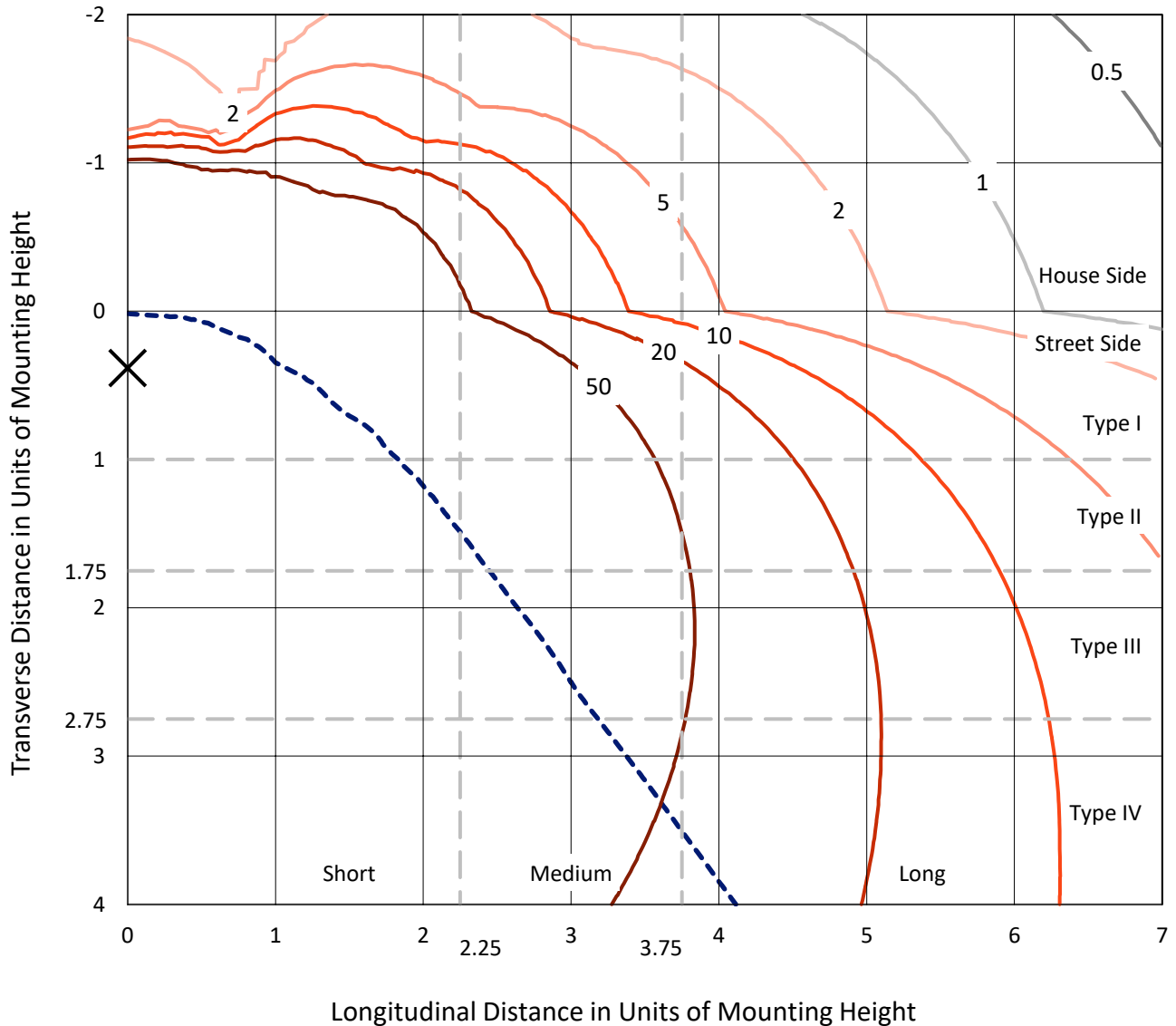
Input Watts (W): 56.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

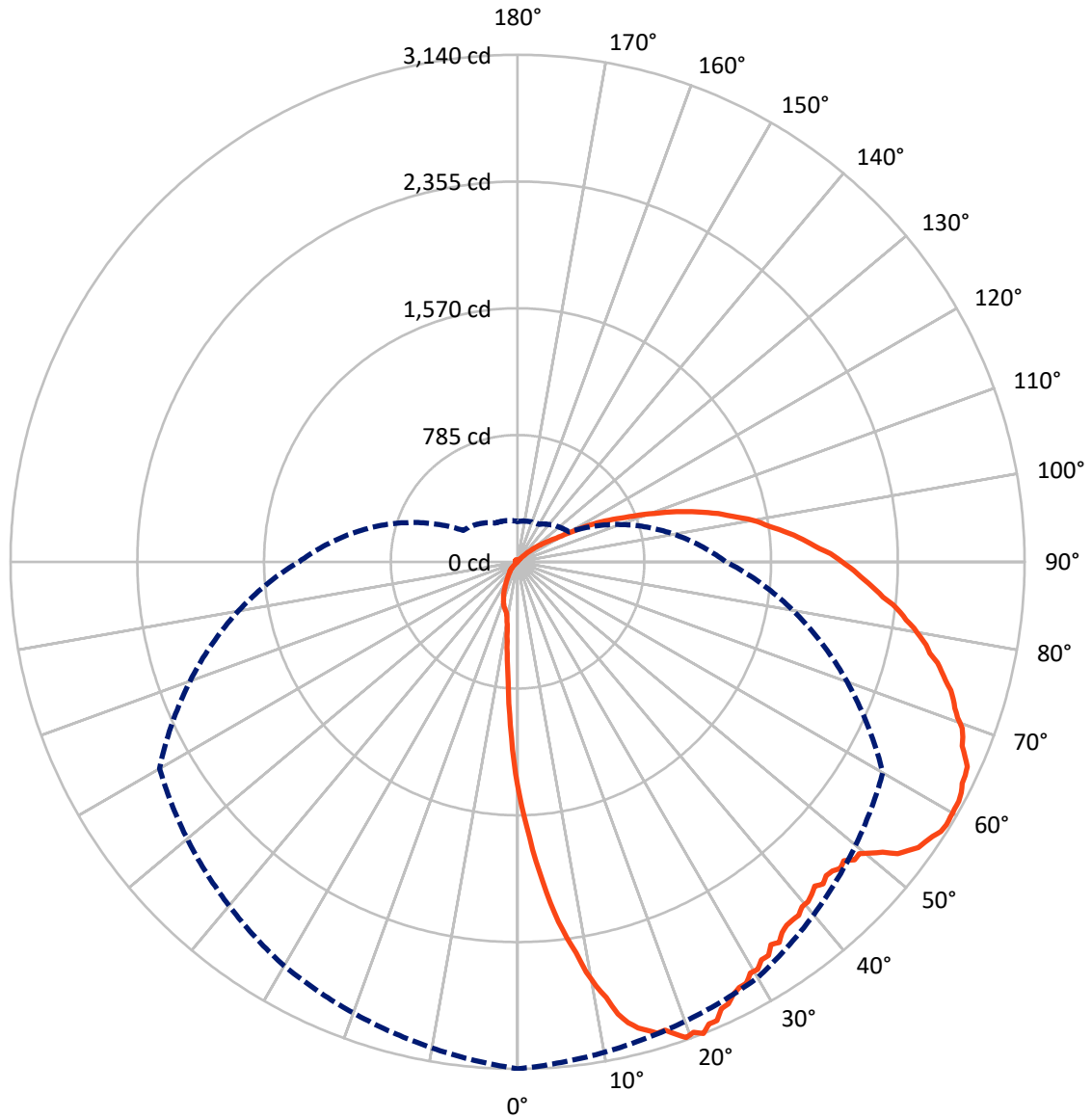
× Max cd
 - - - 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 10892.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 21-Deg Vertical

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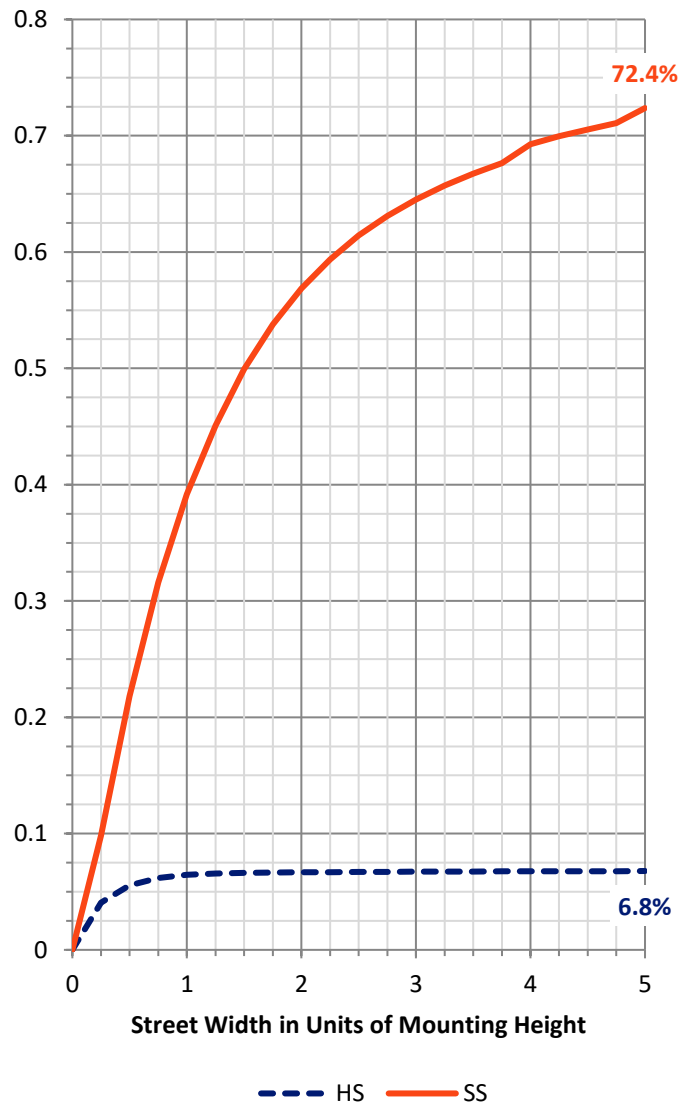
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	522.4	50.1	572.5
	% Fixture	6.9	0.7	7.5
Street Side	Lumens	5995.3	1015.2	7010.5
	% Fixture	79.1	13.4	92.5
Total	Lumens	6517.7	1065.3	7583.0
	% Fixture	86.0	14.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	1.8
10°-20°	427.5	5.6
20°-30°	691.4	9.1
30°-40°	837.4	11.0
40°-50°	899.3	11.9
50°-60°	963.2	12.7
60°-70°	968.4	12.8
70°-80°	878.2	11.6
80°-90°	715.5	9.4
90°-100°	517.4	6.8
100°-110°	319.4	4.2
110°-120°	144.4	1.9
120°-130°	51.5	0.7
130°-140°	17.4	0.2
140°-150°	7.0	0.1
150°-160°	4.6	0.1
160°-170°	2.8	0.0
170°-180°	0.9	0.0
0°-90°	6517.7	86.0
0°-180°	7583.0	100.0

Coefficient of Utilization

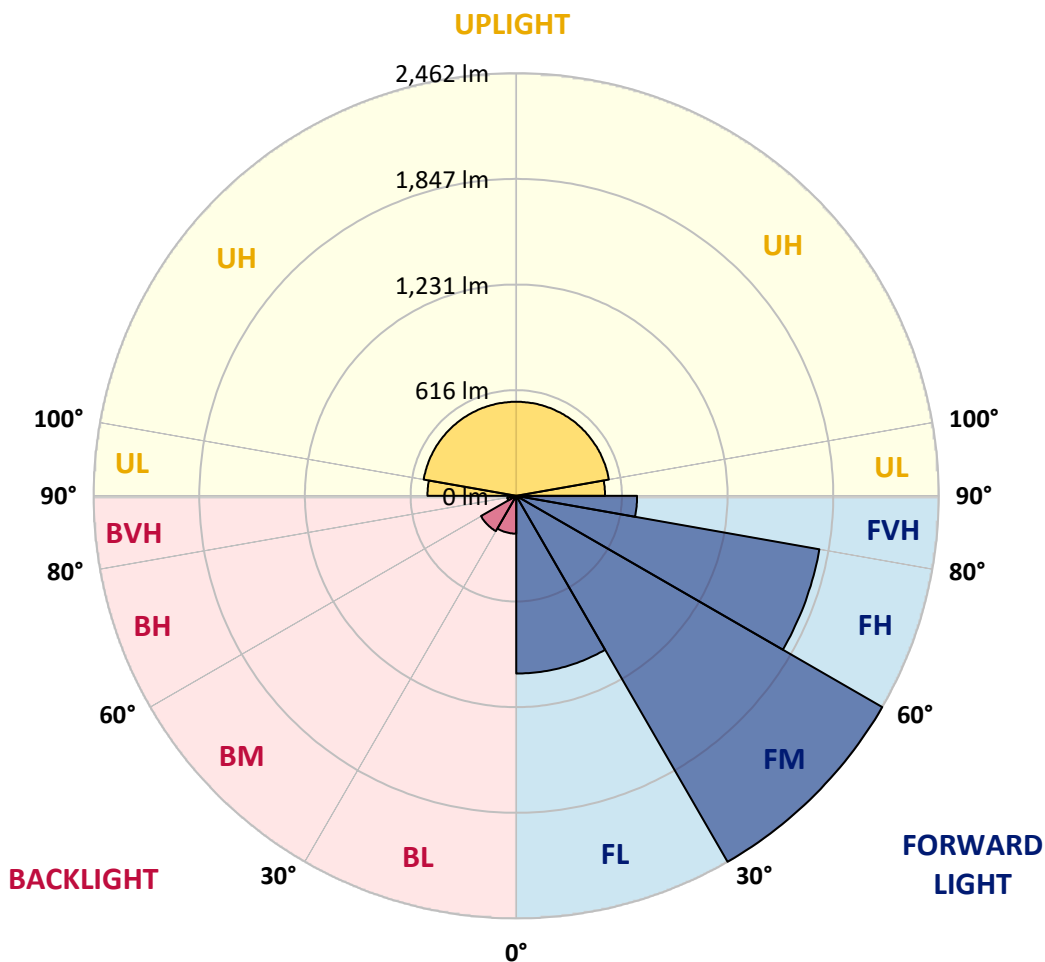


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1035.5	13.7			
FM (30°-60°)	2462.4	32.5			
FH (60°-80°)	1793.6	23.7			G1/1800
FVH (80°-90°)	703.8	9.3			G4/750
BL (0°-30°)	220.3	2.9	B1/500		
BM (30°-60°)	237.4	3.1	B1/1000		
BH (60°-80°)	52.9	0.7	B0/110		G0/110
BVH (80°-90°)	11.7	0.2			G1/100
UL (90°-100°)	517.4	6.8		U4/1000	
UH (100°-180°)	548.0	7.2		U4/1000	

BUG Rating: B1-U4-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1	1448.1
1°	1579.8	1573.7	1526.3	1451.8	1385.4	1333.7	1312.5	1319.0	1363.1	1428.4	1489.4
2°	1712.0	1692.6	1595.9	1449.8	1315.5	1219.8	1165.1	1184.5	1299.3	1443.2	1557.0
3°	1857.1	1828.6	1664.1	1440.6	1248.5	1087.6	1013.7	1054.5	1238.0	1461.2	1640.5
4°	1986.2	1944.6	1718.1	1422.1	1169.7	961.6	879.5	931.1	1163.7	1453.0	1722.6
5°	2122.9	2056.6	1758.7	1405.8	1084.1	840.3	745.7	813.4	1073.1	1440.6	1759.4
6°	2244.1	2164.7	1827.0	1405.4	1002.1	735.4	651.6	725.6	991.7	1450.8	1808.7
7°	2350.2	2257.2	1881.0	1383.7	932.5	652.4	569.5	649.4	926.6	1463.6	1888.5
8°	2447.1	2339.1	1933.0	1354.0	857.9	576.0	496.6	575.8	863.2	1452.6	1982.5
9°	2575.5	2431.4	1969.9	1345.2	785.3	509.4	436.2	510.3	796.6	1439.8	2041.3
10°	2671.1	2542.8	1987.6	1357.1	720.6	453.6	392.5	456.4	737.0	1423.4	2081.0
11°	2753.3	2636.1	2096.4	1347.8	672.5	409.8	361.5	414.8	689.3	1436.0	2114.9
12°	2868.5	2732.1	2164.3	1340.4	627.3	378.1	338.0	384.6	643.5	1448.5	2144.7
13°	2934.3	2797.8	2209.2	1343.2	585.0	353.4	321.8	362.1	607.2	1440.8	2207.1
14°	2981.3	2877.0	2246.4	1332.0	546.2	332.8	312.2	342.9	570.2	1421.9	2283.8
15°	3010.5	2899.8	2299.0	1337.0	512.4	316.3	305.5	327.5	534.4	1409.1	2362.3
16°	3044.0	2898.8	2369.3	1341.2	481.5	303.3	298.5	316.1	500.1	1407.3	2372.3
17°	3041.1	2892.2	2445.1	1336.1	453.7	294.5	291.3	307.9	470.8	1397.0	2378.0
18°	3083.9	2938.2	2512.5	1317.4	430.2	287.5	283.4	300.3	446.1	1374.2	2407.5
19°	3125.4	2967.2	2538.3	1315.9	408.8	281.6	272.0	292.9	424.0	1372.4	2454.6
20°	3110.3	2976.6	2568.8	1313.9	387.5	275.2	262.7	284.8	405.3	1371.2	2511.7
21°	3139.8	2973.4	2611.0	1290.8	368.9	268.3	250.0	277.2	389.6	1353.7	2560.1
22°	3098.1	3010.5	2663.3	1271.4	351.8	257.5	238.8	265.4	376.3	1348.7	2559.1
23°	3097.3	3024.3	2694.7	1229.9	335.8	249.3	226.5	256.7	362.8	1340.4	2555.9
24°	3041.3	3067.5	2704.4	1216.6	319.6	238.2	214.5	244.2	348.9	1321.6	2558.6
25°	3032.6	3017.2	2709.8	1179.3	304.0	227.9	200.9	233.7	336.2	1314.0	2584.3
26°	2993.4	3001.2	2708.1	1141.0	289.4	217.9	188.3	223.3	324.2	1307.0	2620.6
27°	2973.0	2931.9	2719.8	1118.3	278.0	206.0	175.1	209.9	311.6	1294.5	2632.3
28°	2970.0	2901.2	2749.3	1110.7	268.3	195.5	163.2	197.3	301.2	1289.3	2636.3
29°	2927.0	2875.1	2707.3	1096.7	259.8	183.6	151.2	186.4	292.3	1280.5	2589.1
30°	2929.2	2828.0	2660.9	1069.6	251.6	172.1	140.7	176.4	284.9	1265.9	2543.9
31°	2891.4	2844.4	2637.1	1043.8	243.8	161.1	130.2	166.4	277.4	1240.4	2530.7
32°	2891.0	2846.3	2593.4	1013.9	236.8	151.1	121.6	156.8	270.5	1220.3	2514.0
33°	2843.5	2818.7	2530.2	984.3	230.3	141.6	112.5	148.2	263.7	1185.4	2517.7
34°	2859.9	2796.0	2528.3	957.5	223.3	132.9	103.7	139.5	256.8	1153.9	2482.4
35°	2820.5	2779.1	2525.0	929.2	216.6	124.4	96.9	131.5	248.2	1130.5	2446.3
36°	2800.7	2756.0	2486.9	897.5	211.1	116.4	90.2	123.6	242.1	1116.4	2428.7
37°	2795.9	2721.3	2465.4	879.6	205.5	108.2	82.8	116.1	235.9	1091.1	2391.7
38°	2796.5	2691.1	2482.7	869.5	198.3	100.3	78.8	108.5	227.4	1067.7	2308.2
39°	2768.8	2665.5	2460.2	873.5	192.6	92.3	76.6	101.3	220.0	1019.2	2265.8
40°	2769.8	2623.3	2436.9	852.3	186.4	85.1	72.2	94.2	213.2	990.7	2205.1
41°	2749.4	2604.1	2453.6	824.8	179.5	78.0	67.5	87.4	205.0	960.2	2152.1
42°	2724.3	2576.3	2393.4	779.5	172.8	71.1	62.5	80.7	198.3	945.4	2112.0
43°	2749.0	2545.0	2292.9	740.4	165.5	64.5	56.7	74.1	190.9	932.8	2078.9
44°	2725.2	2546.9	2234.1	717.6	159.5	58.3	48.9	67.6	183.4	917.8	2025.7



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CATALOG NUMBER: WXP80LSFSUNVDBZ-60W-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	2732.7	2572.4	2163.1	729.8	152.6	52.3	40.6	61.1	175.9	904.7	1987.6
46°	2756.7	2578.5	2083.1	716.6	146.5	46.2	33.7	54.3	168.2	878.6	1984.0
47°	2740.3	2525.8	2047.2	694.0	139.5	40.4	24.0	47.5	161.1	843.3	1965.3
48°	2785.0	2492.4	2043.2	660.6	133.2	35.1	16.7	40.9	153.7	811.7	1926.1
49°	2782.7	2479.8	2049.2	632.5	126.1	29.4	3.3	34.2	146.7	788.8	1897.8
50°	2836.1	2466.1	2033.5	619.9	119.3	24.1	2.5	28.1	140.1	776.8	1869.6
51°	2889.1	2486.7	2038.8	600.0	112.4	18.0	2.6	21.8	133.7	754.4	1808.8
52°	2967.8	2483.4	2050.1	560.8	106.1	11.8	2.8	15.3	127.6	716.6	1782.3
53°	3006.4	2492.5	2015.2	531.3	99.6	2.9	2.9	6.3	121.0	677.3	1738.5
54°	3048.1	2521.1	1961.5	518.8	93.9	2.6	3.1	3.8	114.9	656.9	1691.1
55°	3063.7	2539.2	1920.8	493.5	87.5	2.7	3.3	3.8	108.4	649.1	1685.5
56°	3082.8	2554.8	1862.9	458.8	81.7	2.9	3.5	3.9	101.9	621.9	1688.0
57°	3108.2	2551.7	1826.5	430.7	76.3	3.0	3.7	4.1	95.3	589.2	1682.8
58°	3115.5	2562.7	1791.6	410.1	71.1	3.2	3.9	4.3	89.2	565.9	1672.4
59°	3111.3	2558.3	1784.0	388.5	66.0	3.4	4.1	4.4	83.3	536.2	1646.0
60°	3108.8	2549.3	1787.2	363.4	61.1	3.5	4.3	4.6	77.5	499.7	1615.6
61°	3108.7	2525.9	1767.1	337.3	56.5	3.7	4.5	4.8	72.2	469.0	1572.1
62°	3096.6	2528.9	1735.7	314.2	51.9	3.9	4.7	5.0	66.9	440.4	1544.0
63°	3077.1	2517.1	1676.6	287.7	47.8	4.1	4.9	5.2	62.0	413.7	1523.9
64°	3070.7	2505.3	1630.6	262.3	43.9	4.2	5.1	5.5	57.4	386.5	1509.4
65°	3060.6	2496.4	1606.9	237.4	40.9	4.4	5.3	5.7	53.2	359.1	1497.2
66°	3021.9	2489.8	1578.4	216.0	38.3	4.6	5.5	5.9	49.3	332.8	1462.6
67°	2980.3	2478.5	1543.1	195.9	36.3	4.8	5.8	6.1	46.0	308.2	1438.7
68°	2963.5	2458.6	1508.0	175.6	34.5	5.0	6.0	6.3	43.5	284.9	1411.6
69°	2939.9	2431.6	1470.2	160.4	33.1	5.2	6.2	6.5	41.3	264.1	1389.4
70°	2890.7	2415.3	1442.7	146.9	31.4	5.4	6.5	6.7	39.4	244.7	1370.3
71°	2854.4	2388.5	1398.6	134.8	29.8	5.6	6.7	6.9	37.7	225.4	1331.4
72°	2829.3	2367.2	1364.5	124.3	28.4	5.8	7.0	7.1	35.9	207.0	1300.2
73°	2798.0	2339.1	1327.5	115.0	27.0	6.0	7.2	7.3	34.4	189.9	1274.0
74°	2749.3	2314.7	1295.8	106.4	25.6	6.2	7.5	7.4	32.9	174.1	1241.0
75°	2712.3	2277.4	1257.5	98.1	24.3	6.5	7.7	7.5	31.7	159.1	1200.4
76°	2674.7	2242.7	1209.2	90.8	23.3	6.7	8.0	7.6	30.6	145.4	1170.5
77°	2613.7	2212.3	1179.1	83.8	22.6	6.9	8.2	7.7	29.7	133.1	1134.9
78°	2582.1	2180.9	1146.9	77.6	22.1	7.1	8.5	7.9	28.9	121.2	1095.3
79°	2533.4	2148.0	1110.2	71.6	21.8	7.3	8.7	8.1	27.9	110.7	1063.6
80°	2489.6	2112.0	1078.5	66.1	21.4	7.6	9.0	8.2	27.4	100.7	1030.1
81°	2431.8	2080.4	1038.3	60.9	21.2	7.8	9.2	8.4	26.8	91.5	996.6
82°	2390.2	2042.1	998.7	56.2	20.9	8.0	9.5	8.6	26.1	82.9	957.6
83°	2338.5	1998.1	963.3	51.9	20.7	8.2	9.7	8.8	25.8	75.3	922.9
84°	2273.2	1954.5	919.1	47.9	20.4	8.4	10.0	9.0	25.4	68.8	890.9
85°	2225.9	1906.6	884.3	44.1	20.3	8.6	10.3	9.2	25.3	62.8	857.9
86°	2177.4	1863.9	845.8	40.4	20.1	8.9	10.5	9.5	24.7	56.9	823.9
87°	2127.4	1821.5	809.9	37.4	19.8	9.1	10.7	9.7	24.3	51.7	786.4
88°	2082.8	1777.2	774.5	34.6	19.7	9.3	11.0	9.9	25.1	47.0	751.4
89°	2033.1	1726.5	735.8	32.4	19.6	9.5	11.2	10.0	25.1	42.9	717.5



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CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1987.8	1678.5	701.1	30.8	19.3	9.7	11.4	10.2	25.0	39.4	680.3
91°	1937.9	1633.3	665.9	29.4	19.1	9.9	11.7	10.4	24.8	36.8	646.6
92°	1873.2	1586.4	627.3	28.4	19.0	10.1	11.9	10.6	23.8	35.2	612.0
93°	1818.1	1540.5	594.5	27.7	18.8	10.3	12.1	10.7	23.5	34.0	581.3
94°	1770.6	1491.1	559.3	27.4	18.6	10.4	12.3	10.7	23.4	33.1	549.5
95°	1717.8	1443.5	528.4	27.4	18.5	10.6	12.5	10.8	23.1	32.5	520.9
96°	1659.7	1391.2	497.6	27.5	18.2	10.8	12.6	10.9	22.9	32.3	490.2
97°	1604.3	1340.3	467.7	27.9	18.1	10.9	12.8	11.0	22.6	32.2	458.7
98°	1551.1	1288.1	443.4	28.4	17.8	11.1	12.9	11.0	22.4	32.2	431.6
99°	1506.4	1235.5	417.0	28.8	17.6	11.2	13.1	11.1	22.1	32.3	406.7
100°	1451.2	1186.0	392.3	29.2	17.5	11.4	13.2	11.2	21.8	32.6	383.6
101°	1388.5	1132.0	370.5	29.5	17.2	11.5	13.3	11.3	21.7	32.9	360.9
102°	1329.8	1073.0	346.6	29.9	16.9	11.6	13.5	11.4	21.4	33.4	339.5
103°	1277.5	1021.8	325.6	30.2	16.6	11.8	13.6	11.5	21.1	33.8	318.7
104°	1217.8	969.5	306.1	30.5	16.4	11.9	13.6	11.7	20.9	34.2	299.7
105°	1155.9	916.1	284.9	30.8	16.2	12.0	13.7	11.8	20.6	34.6	280.1
106°	1091.6	869.0	267.3	30.9	16.1	12.1	13.8	11.9	20.5	35.0	258.6
107°	1033.0	820.0	249.5	31.0	15.9	12.2	13.8	12.0	20.3	35.3	235.2
108°	967.3	775.7	231.7	31.0	15.7	12.3	13.8	12.1	20.0	35.6	213.0
109°	897.7	726.2	214.6	31.0	15.6	12.4	13.9	12.2	19.8	35.8	190.3
110°	835.9	678.3	196.9	31.0	15.4	12.5	13.9	12.3	19.5	35.9	168.9
111°	776.4	631.3	180.4	30.9	15.3	12.6	14.0	12.4	19.2	35.9	151.4
112°	718.5	580.9	166.4	30.8	15.1	12.7	14.0	12.5	18.9	35.9	136.3
113°	668.5	524.5	153.0	30.6	14.9	12.8	14.0	12.7	18.6	35.7	123.2
114°	620.1	468.3	140.9	30.5	14.8	12.9	14.1	12.8	18.3	35.5	111.0
115°	575.6	405.0	129.4	30.3	14.7	13.0	14.1	12.9	18.1	35.3	101.0
116°	525.1	348.6	118.7	30.2	14.7	13.1	14.1	13.0	17.8	35.1	90.8
117°	473.2	301.7	108.8	29.9	14.6	13.2	14.1	13.1	17.6	34.9	82.5
118°	412.4	260.1	100.1	29.7	14.5	13.3	14.2	13.2	17.4	34.6	75.6
119°	359.6	231.5	92.3	29.4	14.4	13.4	14.2	13.3	17.2	34.2	69.4
120°	315.0	211.0	85.4	28.9	14.3	13.5	14.2	13.4	17.0	33.6	63.7
121°	281.3	191.5	79.4	28.4	14.3	13.6	14.3	13.5	16.8	32.8	58.4
122°	257.0	174.5	75.1	27.8	14.3	13.7	14.3	13.6	16.7	31.8	54.0
123°	235.2	160.7	70.5	27.1	14.2	13.8	14.3	13.7	16.5	30.8	48.8
124°	214.2	145.4	64.9	26.3	14.2	13.9	14.4	13.8	16.3	29.6	43.5
125°	195.3	133.3	58.9	25.5	14.2	14.0	14.5	13.9	16.2	28.5	38.2
126°	176.9	118.7	54.2	24.7	14.1	14.1	14.5	14.0	16.1	27.3	34.0
127°	160.6	105.8	50.0	23.8	14.1	14.2	14.6	14.1	15.9	26.2	30.9
128°	145.5	93.5	46.1	22.9	14.0	14.2	14.6	14.2	15.7	25.2	28.1
129°	129.4	81.7	42.3	21.9	14.0	14.3	14.6	14.3	15.5	24.1	25.4
130°	114.9	72.0	38.7	20.9	13.9	14.4	14.7	14.3	15.3	23.0	22.7
131°	100.9	62.9	34.7	20.0	13.9	14.5	14.8	14.4	15.1	21.9	20.2
132°	85.2	54.7	30.9	19.1	13.8	14.6	14.8	14.5	14.9	20.7	18.0
133°	70.8	48.3	27.5	18.3	13.7	14.6	14.9	14.6	14.6	19.5	16.2
134°	60.2	42.3	24.4	17.5	13.7	14.7	15.0	14.6	14.3	18.2	14.6



REPORT NUMBER: P670594

CATALOG NUMBER: WXP80LSFSUNVDBZ-60W-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	50.4	36.5	22.0	16.7	13.6	14.7	15.0	14.7	13.9	16.9	13.5
136°	42.7	31.2	19.9	16.1	13.5	14.8	15.1	14.8	13.5	15.5	11.6
137°	36.2	26.9	17.8	15.4	13.4	14.9	15.1	14.8	13.1	14.1	9.7
138°	30.4	23.2	15.9	14.9	13.3	14.9	15.2	14.8	12.5	12.9	8.4
139°	25.3	19.3	15.0	14.4	13.2	14.9	15.2	14.9	12.1	11.8	7.9
140°	20.2	15.2	14.2	13.9	13.1	14.9	15.3	14.9	12.0	10.8	7.6
141°	15.9	12.6	13.6	13.4	12.9	14.9	15.3	14.8	11.8	9.9	7.5
142°	12.8	11.7	13.2	12.9	12.8	14.9	15.4	14.8	11.7	9.1	7.5
143°	9.9	10.7	12.9	12.4	12.7	14.9	15.4	14.8	11.7	8.5	7.7
144°	5.3	10.3	12.6	11.8	12.5	14.9	15.4	14.8	11.6	8.2	8.2
145°	3.9	10.5	12.2	11.3	12.2	14.8	15.4	14.7	11.6	8.1	8.7
146°	3.7	10.2	12.2	10.8	12.2	14.8	15.3	14.6	11.5	8.1	9.1
147°	3.7	9.2	12.3	10.2	12.1	14.7	15.3	14.5	11.4	8.2	9.5
148°	3.7	8.6	12.5	9.8	12.1	14.6	15.2	14.5	11.3	8.3	9.9
149°	3.7	8.2	12.8	9.4	12.1	14.6	15.2	14.3	11.2	8.4	10.2
150°	3.7	7.9	13.1	9.2	12.1	14.5	15.1	14.2	11.1	8.5	10.5
151°	3.5	7.6	13.6	9.2	12.1	14.4	15.0	14.0	11.1	8.6	10.0
152°	3.4	6.7	13.2	9.2	12.1	14.3	14.9	13.9	11.0	8.7	9.3
153°	3.3	6.2	12.3	9.3	12.1	14.1	14.7	13.8	10.9	8.8	8.8
154°	3.6	6.6	11.6	9.4	12.1	14.0	14.6	13.7	10.9	8.9	8.3
155°	3.7	7.0	10.8	9.5	12.1	13.9	14.4	13.6	10.8	8.9	7.9
156°	3.9	7.4	9.8	9.6	12.1	13.8	14.3	13.4	10.8	9.0	7.9
157°	4.2	7.8	9.5	9.6	12.1	13.7	14.1	13.2	10.7	9.1	7.9
158°	4.6	8.1	9.3	9.7	12.0	13.5	13.9	13.0	10.7	9.2	8.0
159°	5.0	8.2	9.2	9.8	12.0	13.4	13.7	12.9	10.6	9.3	8.1
160°	5.3	8.2	9.1	9.9	12.0	13.2	13.5	12.7	10.6	9.4	8.1
161°	5.6	8.3	9.0	9.9	11.9	13.1	13.3	12.5	10.5	9.4	8.2
162°	5.8	8.4	8.9	10.0	11.9	12.9	13.1	12.4	10.4	9.5	8.3
163°	6.1	8.4	8.8	10.0	11.8	12.8	12.9	12.3	10.4	9.6	8.4
164°	6.2	7.9	8.8	10.1	11.8	12.6	12.7	12.0	10.3	9.7	8.5
165°	6.3	7.4	8.7	10.2	11.7	12.5	12.5	11.8	10.3	9.7	8.6
166°	6.3	6.8	8.7	10.2	11.6	12.3	12.3	11.6	10.2	9.8	8.7
167°	6.4	6.9	8.3	10.3	11.6	12.2	12.1	11.4	10.1	9.9	8.7
168°	6.5	7.0	8.2	10.3	11.5	12.0	11.9	11.2	10.0	9.9	8.8
169°	6.7	7.2	8.2	10.3	11.4	11.9	11.7	11.0	10.0	10.0	8.9
170°	7.0	7.3	8.2	10.4	11.3	11.7	11.4	10.9	9.9	10.0	9.0
171°	7.3	7.5	8.3	10.4	11.2	11.5	11.2	10.7	9.8	10.1	9.1
172°	7.6	7.7	8.4	10.4	11.1	11.3	10.9	10.5	9.6	10.1	9.2
173°	7.9	7.9	8.4	10.5	11.0	11.1	10.7	10.3	9.5	10.2	9.3
174°	8.1	8.1	8.5	10.5	10.9	10.9	10.5	10.1	9.4	10.2	9.4
175°	8.4	8.3	8.5	10.5	10.8	10.7	10.2	9.9	9.2	10.3	9.5
176°	8.7	8.4	8.4	10.5	10.6	10.5	10.0	9.7	8.7	10.3	9.7
177°	8.9	8.6	8.4	10.5	10.5	10.3	9.7	9.4	8.6	10.4	9.8
178°	8.9	8.6	8.4	10.5	10.4	10.1	9.5	9.1	8.5	10.4	9.9
179°	9.0	8.6	8.3	10.5	10.2	9.9	9.2	8.7	8.4	10.4	10.0



REPORT NUMBER: P670594
CATALOG NUMBER: WXPM80LSFSUNVDBZ-60W-4000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1



REPORT NUMBER: P670594
CATALOG NUMBER: WXP80LSFSUNVDBZ-60W-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	1448.1	1448.1
1°	1544.9	1579.8
2°	1647.9	1712.0
3°	1773.7	1857.1
4°	1899.7	1986.2
5°	2044.2	2122.9
6°	2150.3	2244.1
7°	2239.5	2350.2
8°	2319.3	2447.1
9°	2375.4	2575.5
10°	2469.4	2671.1
11°	2548.8	2753.3
12°	2598.8	2868.5
13°	2717.1	2934.3
14°	2801.9	2981.3
15°	2914.7	3010.5
16°	2947.0	3044.0
17°	2969.2	3041.1
18°	2969.8	3083.9
19°	2907.9	3125.4
20°	2883.6	3110.3
21°	2889.8	3139.8
22°	2921.9	3098.1
23°	2964.0	3097.3
24°	2974.0	3041.3
25°	2965.9	3032.6
26°	2921.8	2993.4
27°	2860.0	2973.0
28°	2801.9	2970.0
29°	2741.9	2927.0
30°	2732.5	2929.2
31°	2739.4	2891.4
32°	2715.0	2891.0
33°	2674.0	2843.5
34°	2634.4	2859.9
35°	2582.5	2820.5
36°	2542.8	2800.7
37°	2494.1	2795.9
38°	2477.4	2796.5
39°	2453.3	2768.8
40°	2454.0	2769.8
41°	2437.9	2749.4
42°	2429.2	2724.3
43°	2377.6	2749.0
44°	2360.5	2725.2



REPORT NUMBER: P670594
CATALOG NUMBER: WXP80LSFSUNVDBZ-60W-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	2337.2	2732.7
46°	2310.8	2756.7
47°	2302.9	2740.3
48°	2299.7	2785.0
49°	2285.6	2782.7
50°	2295.2	2836.1
51°	2299.7	2889.1
52°	2298.8	2967.8
53°	2316.6	3006.4
54°	2330.1	3048.1
55°	2354.5	3063.7
56°	2374.3	3082.8
57°	2394.8	3108.2
58°	2409.1	3115.5
59°	2408.2	3111.3
60°	2405.4	3108.8
61°	2405.0	3108.7
62°	2401.1	3096.6
63°	2396.4	3077.1
64°	2391.1	3070.7
65°	2378.1	3060.6
66°	2367.9	3021.9
67°	2359.3	2980.3
68°	2355.8	2963.5
69°	2340.8	2939.9
70°	2325.1	2890.7
71°	2298.0	2854.4
72°	2281.2	2829.3
73°	2253.6	2798.0
74°	2226.6	2749.3
75°	2199.9	2712.3
76°	2171.1	2674.7
77°	2134.6	2613.7
78°	2102.4	2582.1
79°	2070.0	2533.4
80°	2026.2	2489.6
81°	1987.8	2431.8
82°	1949.0	2390.2
83°	1900.7	2338.5
84°	1854.6	2273.2
85°	1807.2	2225.9
86°	1762.8	2177.4
87°	1715.5	2127.4
88°	1670.4	2082.8
89°	1624.6	2033.1



REPORT NUMBER: P670594
CATALOG NUMBER: WXPM80LSFSUNVDBZ-60W-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	1573.9	1987.8
91°	1530.2	1937.9
92°	1485.7	1873.2
93°	1434.6	1818.1
94°	1386.4	1770.6
95°	1339.6	1717.8
96°	1290.4	1659.7
97°	1243.0	1604.3
98°	1193.2	1551.1
99°	1145.3	1506.4
100°	1094.6	1451.2
101°	1044.9	1388.5
102°	990.7	1329.8
103°	938.4	1277.5
104°	888.3	1217.8
105°	836.9	1155.9
106°	782.2	1091.6
107°	728.6	1033.0
108°	678.0	967.3
109°	626.5	897.7
110°	581.3	835.9
111°	537.5	776.4
112°	495.0	718.5
113°	452.0	668.5
114°	410.4	620.1
115°	360.9	575.6
116°	311.1	525.1
117°	270.6	473.2
118°	238.3	412.4
119°	213.3	359.6
120°	193.8	315.0
121°	175.6	281.3
122°	159.1	257.0
123°	144.6	235.2
124°	130.5	214.2
125°	117.4	195.3
126°	104.0	176.9
127°	91.9	160.6
128°	79.8	145.5
129°	67.8	129.4
130°	57.7	114.9
131°	48.7	100.9
132°	41.0	85.2
133°	34.8	70.8
134°	29.3	60.2



REPORT NUMBER: P670594
CATALOG NUMBER: WXPM80LSFSUNVDBZ-60W-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	24.6	50.4
136°	20.3	42.7
137°	16.9	36.2
138°	13.9	30.4
139°	10.6	25.3
140°	7.0	20.2
141°	5.6	15.9
142°	5.5	12.8
143°	5.6	9.9
144°	6.0	5.3
145°	6.2	3.9
146°	6.0	3.7
147°	5.6	3.7
148°	5.4	3.7
149°	5.2	3.7
150°	5.1	3.7
151°	4.8	3.5
152°	4.7	3.4
153°	5.1	3.3
154°	5.4	3.6
155°	5.6	3.7
156°	5.8	3.9
157°	6.1	4.2
158°	6.2	4.6
159°	6.3	5.0
160°	6.4	5.3
161°	6.5	5.6
162°	6.5	5.8
163°	6.4	6.1
164°	6.5	6.2
165°	6.6	6.3
166°	6.8	6.3
167°	7.0	6.4
168°	7.2	6.5
169°	7.5	6.7
170°	7.7	7.0
171°	8.0	7.3
172°	8.2	7.6
173°	8.5	7.9
174°	8.7	8.1
175°	9.0	8.4
176°	9.2	8.7
177°	9.4	8.9
178°	9.5	8.9
179°	9.7	9.0

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

Scaled Data Report



REPORT NUMBER: P670594
CATALOG NUMBER: WXPM80LSFSUNVDBZ-60W-4000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	9.1	9.1

(END OF REPORT)