

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: P670589

Luminaire Tested: WXPM80LSFSUNVDBZ-40W-5000K

Issue Date: 4/4/2023

Test Information

Test Method: LM-79-2019
Report Number: P670589
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-40W-5000K
Description: WALL PACK
Light Source: 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5477 lumens
Efficiency: N/A
Efficacy: 139.4 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

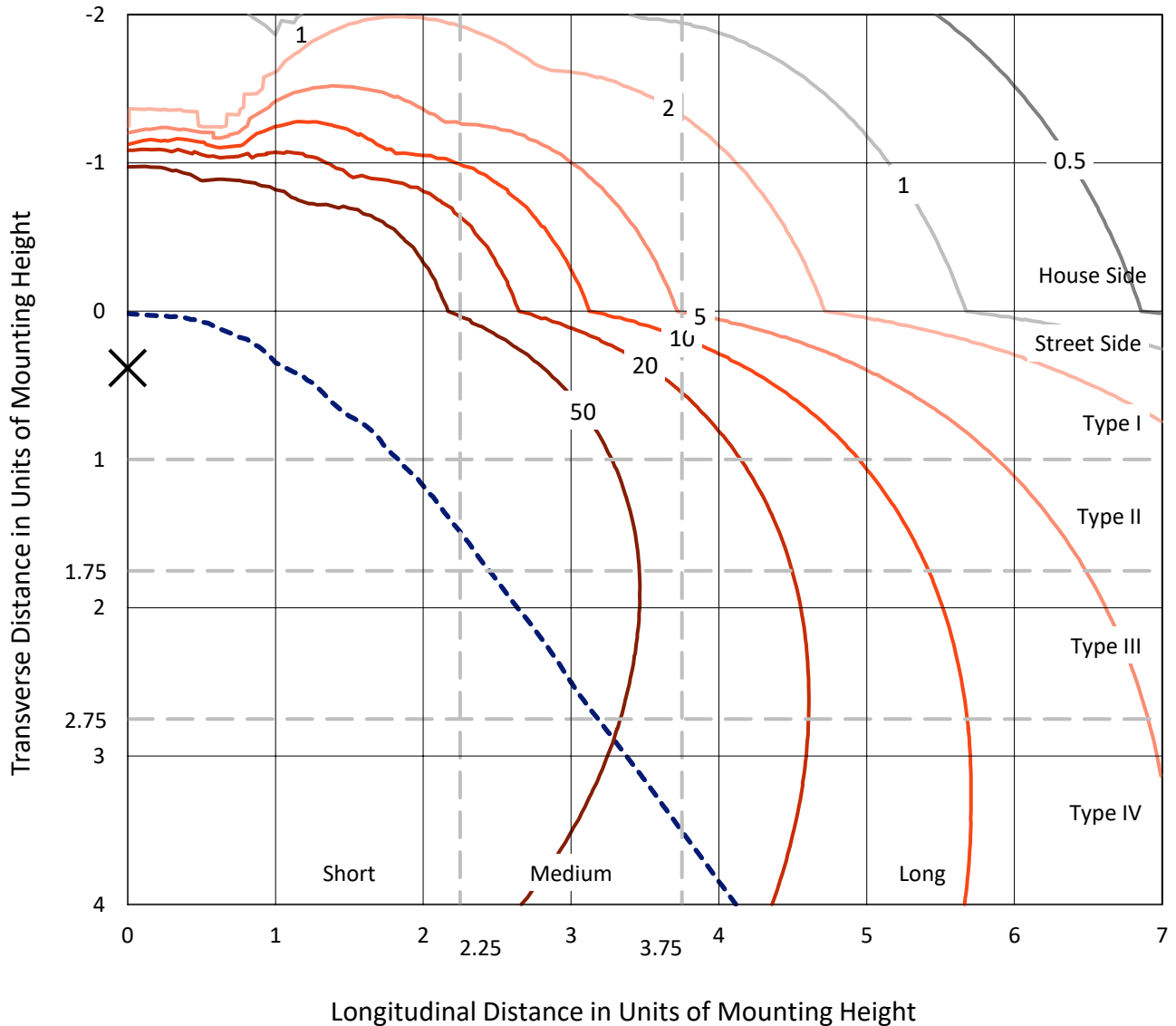
Input Watts (W): 39.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P670589
 CATALOG NUMBER: WXP80LSFSUNVDBZ-40W-5000K

Iso-Footcandle Lines of Horizontal Illumination

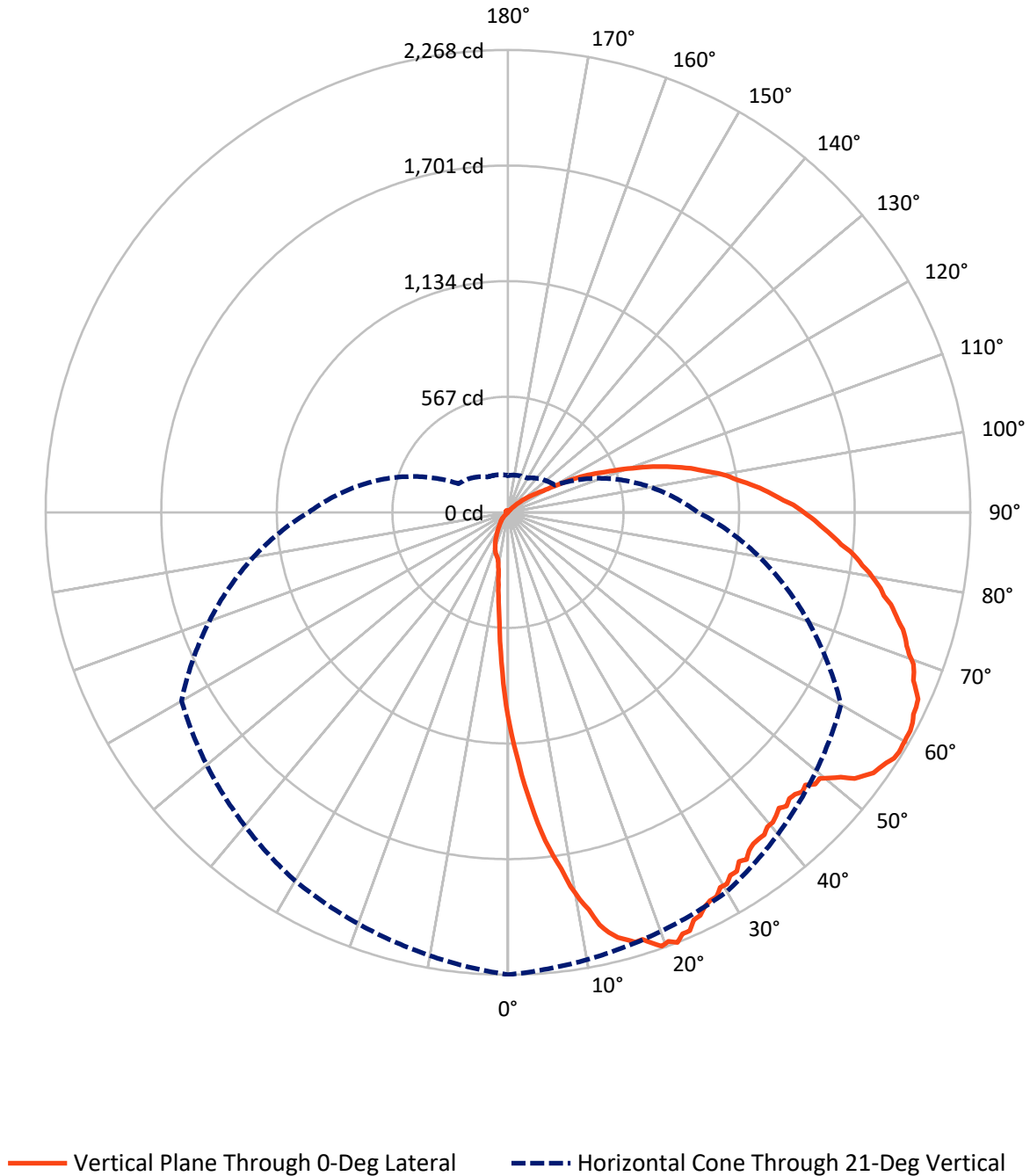
× Max cd
 - - - 1/2 Max cd



Based on 0.5 foot mounting height. Maximum calculated value = 7867.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P670589
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-5000K

Luminous Intensity Polar Plot



REPORT NUMBER: P670589
 CATALOG NUMBER: WXP80LSFSUNVDBZ-40W-5000K

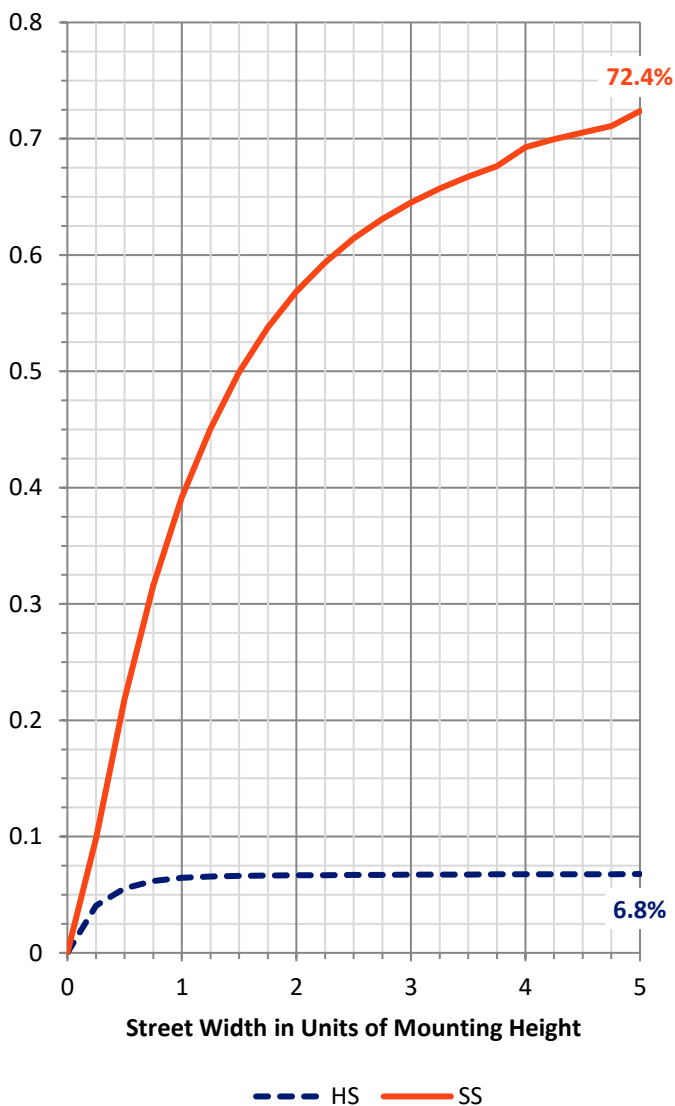
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	377.3	36.2	413.5
	% Fixture	6.9	0.7	7.5
Street Side	Lumens	4330.3	733.3	5063.5
	% Fixture	79.1	13.4	92.5
Total	Lumens	4707.5	769.5	5477.0
	% Fixture	86.0	14.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	1.8
10°-20°	308.8	5.6
20°-30°	499.3	9.1
30°-40°	604.8	11.0
40°-50°	649.5	11.9
50°-60°	695.7	12.7
60°-70°	699.4	12.8
70°-80°	634.3	11.6
80°-90°	516.8	9.4
90°-100°	373.7	6.8
100°-110°	230.7	4.2
110°-120°	104.3	1.9
120°-130°	37.2	0.7
130°-140°	12.6	0.2
140°-150°	5.1	0.1
150°-160°	3.3	0.1
160°-170°	2.0	0.0
170°-180°	0.7	0.0
0°-90°	4707.5	86.0
0°-180°	5477.0	100.0

Coefficient of Utilization

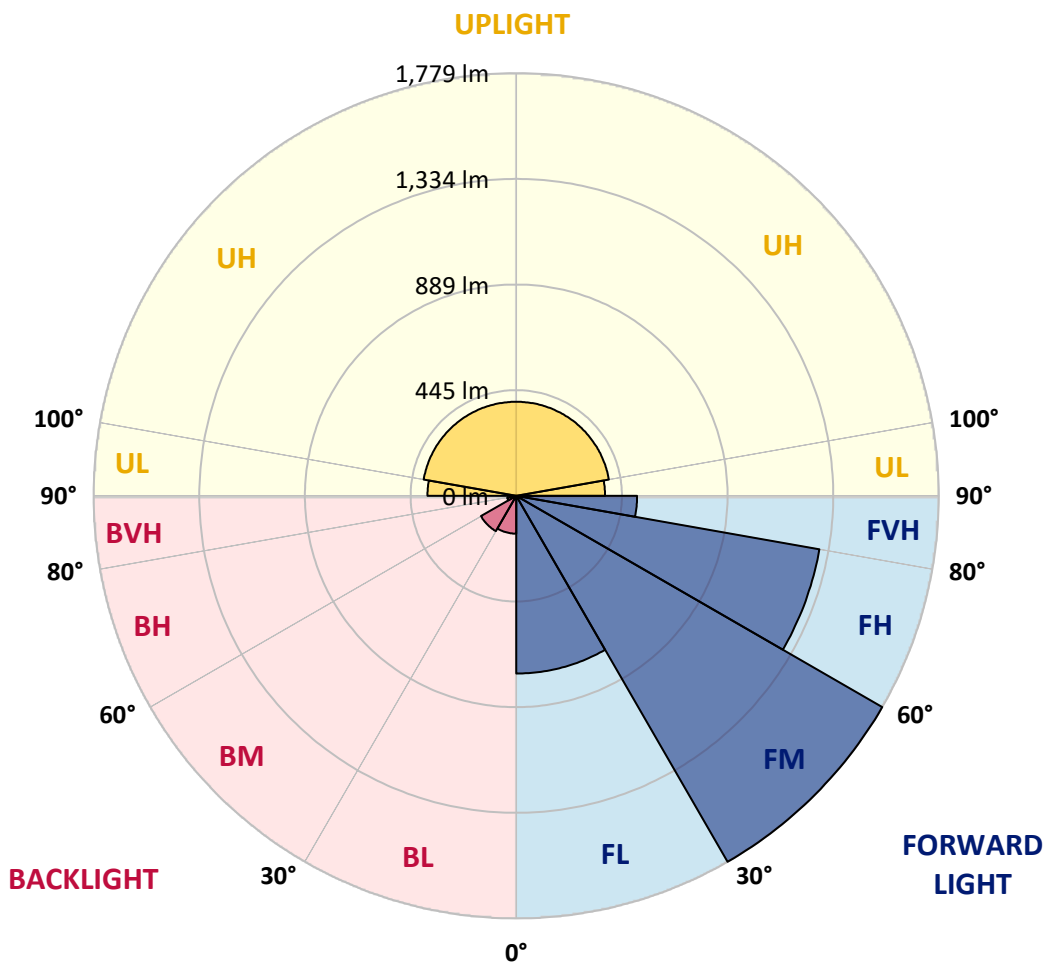


REPORT NUMBER: P670589
 CATALOG NUMBER: WXP80LSFSUNVDBZ-40W-5000K

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	747.9	13.7			
FM (30°-60°)	1778.6	32.5			
FH (60°-80°)	1295.5	23.7			G1/1800
FVH (80°-90°)	508.3	9.3			G4/750
BL (0°-30°)	159.1	2.9	B1/500		
BM (30°-60°)	171.4	3.1	B0/220		
BH (60°-80°)	38.2	0.7	B0/110		G0/110
BVH (80°-90°)	8.5	0.2			G0/10
UL (90°-100°)	373.7	6.8		U3/500	
UH (100°-180°)	395.8	7.2		U3/500	

BUG Rating: B1-U3-G4
 Type IV Short





REPORT NUMBER: P670589

CATALOG NUMBER: WXP80LSFSUNVDBZ-40W-5000K

CANDELA DISTRIBUTION (FULL):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
0°	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0	1046.0
1°	1141.1	1136.6	1102.4	1048.6	1000.6	963.3	948.0	952.7	984.5	1031.7	1075.8
2°	1236.5	1222.6	1152.6	1047.1	950.1	881.0	841.5	855.5	938.4	1042.4	1124.6
3°	1341.3	1320.7	1202.0	1040.5	901.8	785.5	732.2	761.6	894.2	1055.4	1184.9
4°	1434.6	1404.6	1241.0	1027.1	844.8	694.5	635.3	672.5	840.5	1049.5	1244.2
5°	1533.3	1485.5	1270.3	1015.3	783.0	606.9	538.6	587.5	775.1	1040.5	1270.8
6°	1620.9	1563.5	1319.6	1015.1	723.8	531.1	470.6	524.1	716.3	1047.9	1306.4
7°	1697.5	1630.3	1358.6	999.4	673.5	471.2	411.3	469.0	669.3	1057.1	1364.0
8°	1767.4	1689.5	1396.1	978.0	619.6	416.0	358.6	415.9	623.4	1049.2	1431.9
9°	1860.2	1756.1	1422.8	971.6	567.2	367.9	315.1	368.6	575.3	1039.9	1474.4
10°	1929.2	1836.6	1435.6	980.2	520.5	327.7	283.5	329.6	532.3	1028.1	1503.0
11°	1988.7	1904.0	1514.2	973.4	485.7	296.0	261.1	299.6	497.9	1037.2	1527.5
12°	2071.8	1973.3	1563.2	968.2	453.1	273.1	244.1	277.8	464.8	1046.2	1549.1
13°	2119.3	2020.8	1595.7	970.1	422.6	255.2	232.4	261.5	438.6	1040.7	1594.1
14°	2153.3	2078.0	1622.5	962.1	394.5	240.4	225.5	247.7	411.8	1027.0	1649.5
15°	2174.4	2094.4	1660.5	965.7	370.1	228.4	220.6	236.6	386.0	1017.8	1706.2
16°	2198.6	2093.7	1711.3	968.7	347.8	219.1	215.6	228.3	361.2	1016.4	1713.5
17°	2196.5	2089.0	1766.0	965.0	327.7	212.7	210.4	222.4	340.0	1009.0	1717.5
18°	2227.4	2122.2	1814.7	951.5	310.7	207.7	204.7	216.9	322.2	992.6	1738.9
19°	2257.4	2143.1	1833.4	950.4	295.3	203.4	196.5	211.6	306.2	991.2	1772.9
20°	2246.5	2149.9	1855.4	949.0	279.9	198.7	189.8	205.7	292.7	990.4	1814.2
21°	2267.8	2147.6	1885.9	932.3	266.4	193.8	180.6	200.2	281.4	977.7	1849.1
22°	2237.7	2174.4	1923.6	918.3	254.1	186.0	172.5	191.7	271.8	974.2	1848.4
23°	2237.1	2184.3	1946.3	888.3	242.6	180.0	163.6	185.4	262.1	968.1	1846.0
24°	2196.6	2215.6	1953.3	878.7	230.8	172.1	154.9	176.4	252.0	954.6	1848.0
25°	2190.3	2179.2	1957.2	851.8	219.5	164.6	145.1	168.8	242.8	949.1	1866.5
26°	2162.0	2167.7	1956.0	824.1	209.0	157.4	136.0	161.3	234.2	944.0	1892.8
27°	2147.3	2117.7	1964.4	807.7	200.8	148.8	126.5	151.6	225.1	935.0	1901.3
28°	2145.1	2095.5	1985.8	802.2	193.8	141.2	117.9	142.5	217.5	931.2	1904.1
29°	2114.1	2076.6	1955.4	792.2	187.7	132.6	109.2	134.6	211.2	924.8	1870.0
30°	2115.7	2042.6	1921.9	772.6	181.7	124.3	101.6	127.4	205.8	914.3	1837.4
31°	2088.4	2054.4	1904.7	753.9	176.1	116.3	94.1	120.2	200.3	895.9	1827.8
32°	2088.1	2055.8	1873.1	732.3	171.0	109.1	87.8	113.2	195.4	881.4	1815.8
33°	2053.8	2035.8	1827.5	711.0	166.3	102.3	81.3	107.0	190.5	856.2	1818.5
34°	2065.6	2019.5	1826.1	691.6	161.3	96.0	74.9	100.8	185.5	833.4	1793.0
35°	2037.2	2007.3	1823.8	671.2	156.5	89.8	70.0	95.0	179.3	816.5	1766.9
36°	2022.9	1990.6	1796.3	648.3	152.4	84.0	65.1	89.3	174.8	806.4	1754.2
37°	2019.4	1965.5	1780.7	635.3	148.4	78.2	59.8	83.8	170.4	788.1	1727.4
38°	2019.9	1943.7	1793.2	628.0	143.2	72.5	56.9	78.4	164.2	771.1	1667.1
39°	1999.8	1925.2	1776.9	630.9	139.1	66.7	55.3	73.2	158.9	736.1	1636.5
40°	2000.5	1894.8	1760.1	615.6	134.7	61.5	52.1	68.0	154.0	715.6	1592.7
41°	1985.8	1880.8	1772.1	595.7	129.7	56.3	48.7	63.1	148.0	693.5	1554.4
42°	1967.7	1860.8	1728.7	563.0	124.8	51.4	45.1	58.3	143.2	682.9	1525.4
43°	1985.5	1838.2	1656.1	534.8	119.5	46.6	40.9	53.5	137.9	673.8	1501.6
44°	1968.4	1839.6	1613.6	518.3	115.2	42.1	35.3	48.8	132.5	662.9	1463.1



REPORT NUMBER: P670589

CATALOG NUMBER: WXP80LSFSUNVDBZ-40W-5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
45°	1973.8	1857.9	1562.4	527.1	110.2	37.7	29.3	44.1	127.0	653.5	1435.6
46°	1991.1	1862.4	1504.5	517.6	105.8	33.4	24.3	39.2	121.5	634.6	1433.0
47°	1979.3	1824.3	1478.6	501.3	100.7	29.2	17.3	34.3	116.3	609.1	1419.5
48°	2011.6	1800.2	1475.7	477.1	96.2	25.4	12.1	29.6	111.0	586.3	1391.2
49°	2009.9	1791.1	1480.1	456.8	91.1	21.3	2.4	24.7	106.0	569.7	1370.7
50°	2048.5	1781.2	1468.8	447.7	86.2	17.4	1.8	20.3	101.2	561.1	1350.4
51°	2086.7	1796.1	1472.6	433.4	81.2	13.0	1.9	15.8	96.6	544.9	1306.4
52°	2143.6	1793.7	1480.7	405.1	76.7	8.5	2.0	11.1	92.2	517.6	1287.3
53°	2171.5	1800.3	1455.5	383.7	71.9	2.1	2.1	4.6	87.4	489.2	1255.7
54°	2201.6	1821.0	1416.7	374.7	67.8	1.9	2.3	2.8	83.0	474.5	1221.5
55°	2212.8	1834.0	1387.3	356.4	63.2	2.0	2.4	2.8	78.3	468.8	1217.4
56°	2226.6	1845.2	1345.6	331.4	59.0	2.1	2.5	2.9	73.6	449.2	1219.2
57°	2245.0	1843.0	1319.2	311.1	55.1	2.2	2.6	3.0	68.8	425.6	1215.4
58°	2250.2	1851.0	1294.0	296.2	51.3	2.3	2.8	3.1	64.4	408.7	1207.9
59°	2247.2	1847.8	1288.5	280.6	47.7	2.4	2.9	3.2	60.2	387.3	1188.9
60°	2245.4	1841.3	1290.8	262.5	44.1	2.5	3.1	3.3	56.0	360.9	1166.9
61°	2245.4	1824.4	1276.4	243.6	40.8	2.7	3.2	3.5	52.1	338.7	1135.5
62°	2236.6	1826.6	1253.6	226.9	37.5	2.8	3.4	3.6	48.3	318.1	1115.2
63°	2222.5	1818.1	1211.0	207.8	34.5	2.9	3.5	3.8	44.8	298.8	1100.6
64°	2217.9	1809.5	1177.7	189.5	31.7	3.1	3.7	3.9	41.5	279.1	1090.2
65°	2210.6	1803.1	1160.6	171.5	29.5	3.2	3.8	4.1	38.4	259.3	1081.4
66°	2182.7	1798.3	1140.1	156.0	27.7	3.3	4.0	4.3	35.6	240.4	1056.4
67°	2152.6	1790.1	1114.6	141.5	26.2	3.5	4.2	4.4	33.2	222.6	1039.2
68°	2140.5	1775.8	1089.2	126.8	24.9	3.6	4.3	4.6	31.4	205.8	1019.6
69°	2123.4	1756.2	1061.9	115.9	23.9	3.8	4.5	4.7	29.9	190.8	1003.5
70°	2087.9	1744.5	1042.0	106.1	22.6	3.9	4.7	4.8	28.5	176.7	989.7
71°	2061.7	1725.2	1010.1	97.4	21.5	4.1	4.9	5.0	27.2	162.8	961.6
72°	2043.6	1709.8	985.6	89.8	20.5	4.2	5.0	5.1	25.9	149.5	939.1
73°	2020.9	1689.4	958.8	83.0	19.5	4.4	5.2	5.2	24.8	137.2	920.2
74°	1985.7	1671.8	935.9	76.9	18.5	4.5	5.4	5.3	23.7	125.8	896.4
75°	1959.0	1644.9	908.3	70.8	17.5	4.7	5.6	5.4	22.9	114.9	867.0
76°	1931.9	1619.8	873.4	65.6	16.8	4.8	5.8	5.5	22.1	105.0	845.4
77°	1887.8	1597.9	851.6	60.5	16.3	5.0	5.9	5.6	21.5	96.1	819.7
78°	1865.0	1575.2	828.4	56.1	16.0	5.2	6.1	5.7	20.9	87.6	791.1
79°	1829.8	1551.4	801.9	51.8	15.7	5.3	6.3	5.8	20.1	80.0	768.2
80°	1798.2	1525.5	779.0	47.7	15.5	5.5	6.5	5.9	19.8	72.7	744.0
81°	1756.4	1502.6	749.9	44.0	15.3	5.6	6.7	6.1	19.4	66.1	719.8
82°	1726.4	1475.0	721.4	40.6	15.1	5.8	6.8	6.2	18.9	59.9	691.7
83°	1689.0	1443.2	695.8	37.5	14.9	5.9	7.0	6.3	18.6	54.4	666.6
84°	1641.9	1411.7	663.9	34.6	14.8	6.1	7.2	6.5	18.4	49.7	643.5
85°	1607.7	1377.1	638.7	31.8	14.7	6.2	7.4	6.7	18.3	45.3	619.7
86°	1572.7	1346.2	610.9	29.2	14.5	6.4	7.6	6.8	17.9	41.1	595.1
87°	1536.6	1315.6	585.0	27.0	14.3	6.5	7.8	7.0	17.5	37.3	568.0
88°	1504.3	1283.6	559.4	25.0	14.2	6.7	7.9	7.1	18.1	33.9	542.7
89°	1468.5	1247.0	531.5	23.4	14.1	6.9	8.1	7.3	18.1	31.0	518.2



REPORT NUMBER: P670589

CATALOG NUMBER: WXP80LSFSUNVDBZ-40W-5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
90°	1435.7	1212.3	506.4	22.2	13.9	7.0	8.3	7.4	18.0	28.5	491.4
91°	1399.7	1179.7	481.0	21.2	13.8	7.1	8.4	7.5	17.9	26.6	467.1
92°	1353.0	1145.8	453.1	20.5	13.7	7.3	8.6	7.7	17.2	25.4	442.0
93°	1313.2	1112.7	429.4	20.0	13.5	7.4	8.7	7.7	17.0	24.5	419.9
94°	1278.9	1077.0	403.9	19.8	13.5	7.5	8.9	7.8	16.9	23.9	396.9
95°	1240.7	1042.6	381.7	19.8	13.3	7.7	9.0	7.8	16.7	23.5	376.2
96°	1198.8	1004.8	359.4	19.9	13.2	7.8	9.1	7.9	16.6	23.3	354.1
97°	1158.7	968.1	337.8	20.2	13.0	7.9	9.2	7.9	16.4	23.3	331.3
98°	1120.3	930.4	320.3	20.5	12.9	8.0	9.3	8.0	16.2	23.3	311.8
99°	1088.0	892.4	301.2	20.8	12.7	8.1	9.5	8.0	16.0	23.4	293.8
100°	1048.2	856.7	283.3	21.1	12.6	8.2	9.6	8.1	15.8	23.5	277.0
101°	1002.9	817.6	267.6	21.3	12.4	8.3	9.6	8.2	15.6	23.8	260.7
102°	960.5	775.0	250.3	21.6	12.2	8.4	9.7	8.2	15.5	24.1	245.2
103°	922.7	738.0	235.2	21.8	12.0	8.5	9.8	8.3	15.2	24.4	230.2
104°	879.6	700.2	221.1	22.0	11.8	8.6	9.9	8.4	15.1	24.7	216.5
105°	834.9	661.6	205.8	22.2	11.7	8.7	9.9	8.5	14.8	25.0	202.3
106°	788.4	627.7	193.1	22.3	11.6	8.7	10.0	8.6	14.8	25.3	186.8
107°	746.1	592.3	180.2	22.4	11.5	8.8	10.0	8.7	14.7	25.5	169.9
108°	698.6	560.3	167.3	22.4	11.4	8.9	10.0	8.8	14.5	25.7	153.8
109°	648.4	524.5	155.0	22.4	11.2	9.0	10.0	8.8	14.3	25.9	137.5
110°	603.8	489.9	142.2	22.4	11.1	9.1	10.0	8.9	14.1	25.9	122.0
111°	560.8	456.0	130.3	22.3	11.0	9.1	10.1	9.0	13.9	26.0	109.3
112°	518.9	419.5	120.2	22.2	10.9	9.2	10.1	9.1	13.7	25.9	98.5
113°	482.8	378.8	110.5	22.1	10.8	9.3	10.1	9.2	13.5	25.8	89.0
114°	447.9	338.2	101.8	22.0	10.7	9.3	10.2	9.2	13.2	25.6	80.1
115°	415.7	292.5	93.4	21.9	10.6	9.4	10.2	9.3	13.0	25.5	73.0
116°	379.3	251.8	85.7	21.8	10.6	9.5	10.2	9.4	12.9	25.4	65.6
117°	341.8	217.9	78.6	21.6	10.5	9.5	10.2	9.5	12.7	25.2	59.6
118°	297.9	187.8	72.3	21.4	10.5	9.6	10.2	9.6	12.6	25.0	54.6
119°	259.7	167.2	66.6	21.2	10.4	9.7	10.3	9.6	12.4	24.7	50.1
120°	227.5	152.4	61.7	20.9	10.4	9.8	10.3	9.7	12.3	24.3	46.0
121°	203.2	138.3	57.3	20.5	10.3	9.8	10.3	9.8	12.2	23.7	42.2
122°	185.7	126.1	54.3	20.1	10.3	9.9	10.3	9.8	12.0	23.0	39.0
123°	169.9	116.1	50.9	19.6	10.3	10.0	10.4	9.9	11.9	22.2	35.3
124°	154.7	105.0	46.9	19.0	10.3	10.0	10.4	10.0	11.8	21.4	31.4
125°	141.1	96.3	42.5	18.4	10.2	10.1	10.4	10.0	11.7	20.5	27.6
126°	127.8	85.7	39.2	17.8	10.2	10.2	10.5	10.1	11.6	19.7	24.5
127°	116.0	76.4	36.1	17.2	10.2	10.2	10.5	10.2	11.5	18.9	22.3
128°	105.1	67.6	33.3	16.5	10.1	10.3	10.5	10.2	11.4	18.2	20.3
129°	93.5	59.0	30.5	15.8	10.1	10.3	10.6	10.3	11.2	17.4	18.3
130°	83.0	52.0	28.0	15.1	10.1	10.4	10.6	10.4	11.0	16.6	16.4
131°	72.9	45.4	25.1	14.4	10.0	10.5	10.7	10.4	10.9	15.8	14.6
132°	61.5	39.5	22.3	13.8	10.0	10.5	10.7	10.5	10.7	14.9	13.0
133°	51.1	34.9	19.8	13.2	9.9	10.6	10.8	10.5	10.5	14.1	11.7
134°	43.4	30.6	17.6	12.6	9.9	10.6	10.8	10.6	10.3	13.1	10.6



REPORT NUMBER: P670589

CATALOG NUMBER: WXP80LSFSUNVDBZ-40W-5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
135°	36.4	26.4	15.9	12.1	9.8	10.6	10.8	10.6	10.0	12.2	9.7
136°	30.9	22.5	14.4	11.6	9.7	10.7	10.9	10.7	9.8	11.2	8.4
137°	26.1	19.4	12.8	11.2	9.7	10.7	10.9	10.7	9.4	10.2	7.0
138°	22.0	16.7	11.5	10.7	9.6	10.7	11.0	10.7	9.1	9.3	6.0
139°	18.2	13.9	10.8	10.4	9.5	10.8	11.0	10.8	8.8	8.5	5.7
140°	14.6	11.0	10.3	10.0	9.4	10.8	11.1	10.8	8.6	7.8	5.5
141°	11.5	9.1	9.8	9.7	9.3	10.8	11.1	10.7	8.5	7.1	5.4
142°	9.3	8.5	9.5	9.3	9.2	10.8	11.1	10.7	8.5	6.6	5.4
143°	7.1	7.7	9.3	8.9	9.1	10.8	11.1	10.7	8.4	6.2	5.6
144°	3.8	7.4	9.1	8.6	9.0	10.7	11.1	10.7	8.4	5.9	5.9
145°	2.8	7.6	8.8	8.2	8.8	10.7	11.1	10.6	8.4	5.9	6.3
146°	2.7	7.4	8.8	7.8	8.8	10.7	11.1	10.6	8.3	5.9	6.6
147°	2.6	6.7	8.9	7.4	8.8	10.6	11.0	10.5	8.2	5.9	6.9
148°	2.6	6.2	9.0	7.1	8.8	10.6	11.0	10.4	8.1	6.0	7.2
149°	2.7	5.9	9.2	6.8	8.8	10.5	10.9	10.3	8.1	6.1	7.4
150°	2.7	5.7	9.5	6.7	8.8	10.5	10.9	10.2	8.0	6.1	7.6
151°	2.6	5.5	9.8	6.6	8.8	10.4	10.8	10.1	8.0	6.2	7.2
152°	2.5	4.9	9.5	6.7	8.7	10.3	10.7	10.0	7.9	6.3	6.7
153°	2.4	4.5	8.9	6.7	8.7	10.2	10.6	10.0	7.9	6.3	6.3
154°	2.6	4.8	8.4	6.8	8.7	10.1	10.5	9.9	7.9	6.4	6.0
155°	2.7	5.1	7.8	6.8	8.7	10.0	10.4	9.8	7.8	6.5	5.7
156°	2.8	5.4	7.1	6.9	8.7	10.0	10.3	9.7	7.8	6.5	5.7
157°	3.0	5.6	6.8	7.0	8.7	9.9	10.2	9.5	7.8	6.6	5.7
158°	3.3	5.8	6.7	7.0	8.7	9.8	10.0	9.4	7.7	6.7	5.8
159°	3.6	5.9	6.6	7.1	8.7	9.7	9.9	9.3	7.7	6.7	5.8
160°	3.9	6.0	6.5	7.1	8.6	9.6	9.8	9.2	7.6	6.8	5.9
161°	4.1	6.0	6.5	7.2	8.6	9.5	9.6	9.0	7.6	6.8	6.0
162°	4.2	6.1	6.4	7.2	8.6	9.3	9.5	8.9	7.5	6.9	6.0
163°	4.4	6.1	6.4	7.3	8.5	9.2	9.3	8.9	7.5	6.9	6.1
164°	4.5	5.7	6.3	7.3	8.5	9.1	9.2	8.7	7.5	7.0	6.1
165°	4.6	5.4	6.3	7.3	8.5	9.0	9.0	8.5	7.4	7.0	6.2
166°	4.6	4.9	6.3	7.4	8.4	8.9	8.9	8.4	7.4	7.1	6.3
167°	4.6	5.0	6.0	7.4	8.3	8.8	8.7	8.2	7.3	7.1	6.3
168°	4.7	5.1	5.9	7.4	8.3	8.7	8.6	8.1	7.2	7.2	6.4
169°	4.9	5.2	5.9	7.5	8.2	8.6	8.4	8.0	7.2	7.2	6.4
170°	5.1	5.3	5.9	7.5	8.2	8.4	8.2	7.8	7.1	7.3	6.5
171°	5.3	5.4	6.0	7.5	8.1	8.3	8.1	7.7	7.1	7.3	6.6
172°	5.5	5.6	6.1	7.5	8.0	8.2	7.9	7.6	7.0	7.3	6.6
173°	5.7	5.7	6.1	7.6	7.9	8.0	7.8	7.5	6.9	7.4	6.7
174°	5.9	5.8	6.2	7.6	7.9	7.9	7.6	7.3	6.8	7.4	6.8
175°	6.1	6.0	6.1	7.6	7.8	7.8	7.4	7.2	6.6	7.4	6.9
176°	6.2	6.1	6.1	7.6	7.7	7.6	7.2	7.0	6.3	7.4	7.0
177°	6.4	6.2	6.0	7.6	7.6	7.5	7.0	6.8	6.2	7.5	7.1
178°	6.5	6.2	6.0	7.6	7.5	7.3	6.9	6.6	6.1	7.5	7.2
179°	6.5	6.2	6.0	7.6	7.4	7.1	6.7	6.3	6.1	7.5	7.3



REPORT NUMBER: P670589
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-5000K

CANDELA DISTRIBUTION (continued):

	0°	30°	60°	90°	120°	150°	180°	210°	240°	270°	300°
180°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6



REPORT NUMBER: P670589
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
0°	1046.0	1046.0
1°	1115.8	1141.1
2°	1190.2	1236.5
3°	1281.1	1341.3
4°	1372.1	1434.6
5°	1476.5	1533.3
6°	1553.1	1620.9
7°	1617.5	1697.5
8°	1675.2	1767.4
9°	1715.7	1860.2
10°	1783.6	1929.2
11°	1840.9	1988.7
12°	1877.0	2071.8
13°	1962.5	2119.3
14°	2023.7	2153.3
15°	2105.2	2174.4
16°	2128.5	2198.6
17°	2144.6	2196.5
18°	2145.0	2227.4
19°	2100.3	2257.4
20°	2082.8	2246.5
21°	2087.2	2267.8
22°	2110.4	2237.7
23°	2140.8	2237.1
24°	2148.0	2196.6
25°	2142.2	2190.3
26°	2110.3	2162.0
27°	2065.7	2147.3
28°	2023.7	2145.1
29°	1980.4	2114.1
30°	1973.6	2115.7
31°	1978.6	2088.4
32°	1960.9	2088.1
33°	1931.3	2053.8
34°	1902.7	2065.6
35°	1865.2	2037.2
36°	1836.6	2022.9
37°	1801.4	2019.4
38°	1789.4	2019.9
39°	1771.9	1999.8
40°	1772.4	2000.5
41°	1760.8	1985.8
42°	1754.5	1967.7
43°	1717.3	1985.5
44°	1705.0	1968.4



REPORT NUMBER: P670589
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
45°	1688.1	1973.8
46°	1669.1	1991.1
47°	1663.3	1979.3
48°	1661.0	2011.6
49°	1650.8	2009.9
50°	1657.7	2048.5
51°	1661.0	2086.7
52°	1660.4	2143.6
53°	1673.2	2171.5
54°	1683.0	2201.6
55°	1700.6	2212.8
56°	1714.9	2226.6
57°	1729.7	2245.0
58°	1740.0	2250.2
59°	1739.4	2247.2
60°	1737.4	2245.4
61°	1737.1	2245.4
62°	1734.2	2236.6
63°	1730.9	2222.5
64°	1727.0	2217.9
65°	1717.6	2210.6
66°	1710.3	2182.7
67°	1704.1	2152.6
68°	1701.6	2140.5
69°	1690.7	2123.4
70°	1679.4	2087.9
71°	1659.8	2061.7
72°	1647.7	2043.6
73°	1627.7	2020.9
74°	1608.2	1985.7
75°	1588.9	1959.0
76°	1568.1	1931.9
77°	1541.8	1887.8
78°	1518.5	1865.0
79°	1495.1	1829.8
80°	1463.5	1798.2
81°	1435.8	1756.4
82°	1407.7	1726.4
83°	1372.8	1689.0
84°	1339.5	1641.9
85°	1305.3	1607.7
86°	1273.2	1572.7
87°	1239.1	1536.6
88°	1206.5	1504.3
89°	1173.4	1468.5



REPORT NUMBER: P670589
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
90°	1136.8	1435.7
91°	1105.2	1399.7
92°	1073.1	1353.0
93°	1036.1	1313.2
94°	1001.4	1278.9
95°	967.6	1240.7
96°	932.0	1198.8
97°	897.8	1158.7
98°	861.8	1120.3
99°	827.2	1088.0
100°	790.6	1048.2
101°	754.7	1002.9
102°	715.5	960.5
103°	677.8	922.7
104°	641.6	879.6
105°	604.5	834.9
106°	565.0	788.4
107°	526.3	746.1
108°	489.7	698.6
109°	452.5	648.4
110°	419.9	603.8
111°	388.3	560.8
112°	357.5	518.9
113°	326.5	482.8
114°	296.4	447.9
115°	260.6	415.7
116°	224.7	379.3
117°	195.5	341.8
118°	172.1	297.9
119°	154.1	259.7
120°	139.9	227.5
121°	126.8	203.2
122°	114.9	185.7
123°	104.4	169.9
124°	94.3	154.7
125°	84.8	141.1
126°	75.1	127.8
127°	66.4	116.0
128°	57.6	105.1
129°	49.0	93.5
130°	41.7	83.0
131°	35.2	72.9
132°	29.6	61.5
133°	25.1	51.1
134°	21.1	43.4



REPORT NUMBER: P670589
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
135°	17.8	36.4
136°	14.7	30.9
137°	12.2	26.1
138°	10.1	22.0
139°	7.7	18.2
140°	5.0	14.6
141°	4.1	11.5
142°	4.0	9.3
143°	4.0	7.1
144°	4.3	3.8
145°	4.5	2.8
146°	4.3	2.7
147°	4.1	2.6
148°	3.9	2.6
149°	3.7	2.7
150°	3.7	2.7
151°	3.5	2.6
152°	3.4	2.5
153°	3.7	2.4
154°	3.9	2.6
155°	4.0	2.7
156°	4.2	2.8
157°	4.4	3.0
158°	4.5	3.3
159°	4.5	3.6
160°	4.6	3.9
161°	4.7	4.1
162°	4.7	4.2
163°	4.7	4.4
164°	4.7	4.5
165°	4.7	4.6
166°	4.9	4.6
167°	5.1	4.6
168°	5.2	4.7
169°	5.4	4.9
170°	5.6	5.1
171°	5.8	5.3
172°	6.0	5.5
173°	6.1	5.7
174°	6.3	5.9
175°	6.5	6.1
176°	6.6	6.2
177°	6.8	6.4
178°	6.9	6.5
179°	7.0	6.5



REPORT NUMBER: P670589
CATALOG NUMBER: WXPM80LSFSUNVDBZ-40W-5000K

CANDELA DISTRIBUTION (continued):

	330°	360°
180°	6.6	6.6

(END OF REPORT)