

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: LUMARK

Report Number: P1444959

Luminaire Tested: CWP75 (45W-5000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444959
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/1/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: LUMARK
Catalog Number: CWP75 (45W-5000K)
Description: COMPACT WALL PACK, 75W
SET TO 45W, 5000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6130 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U4 - G4

Input Watts (W): 44.4
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

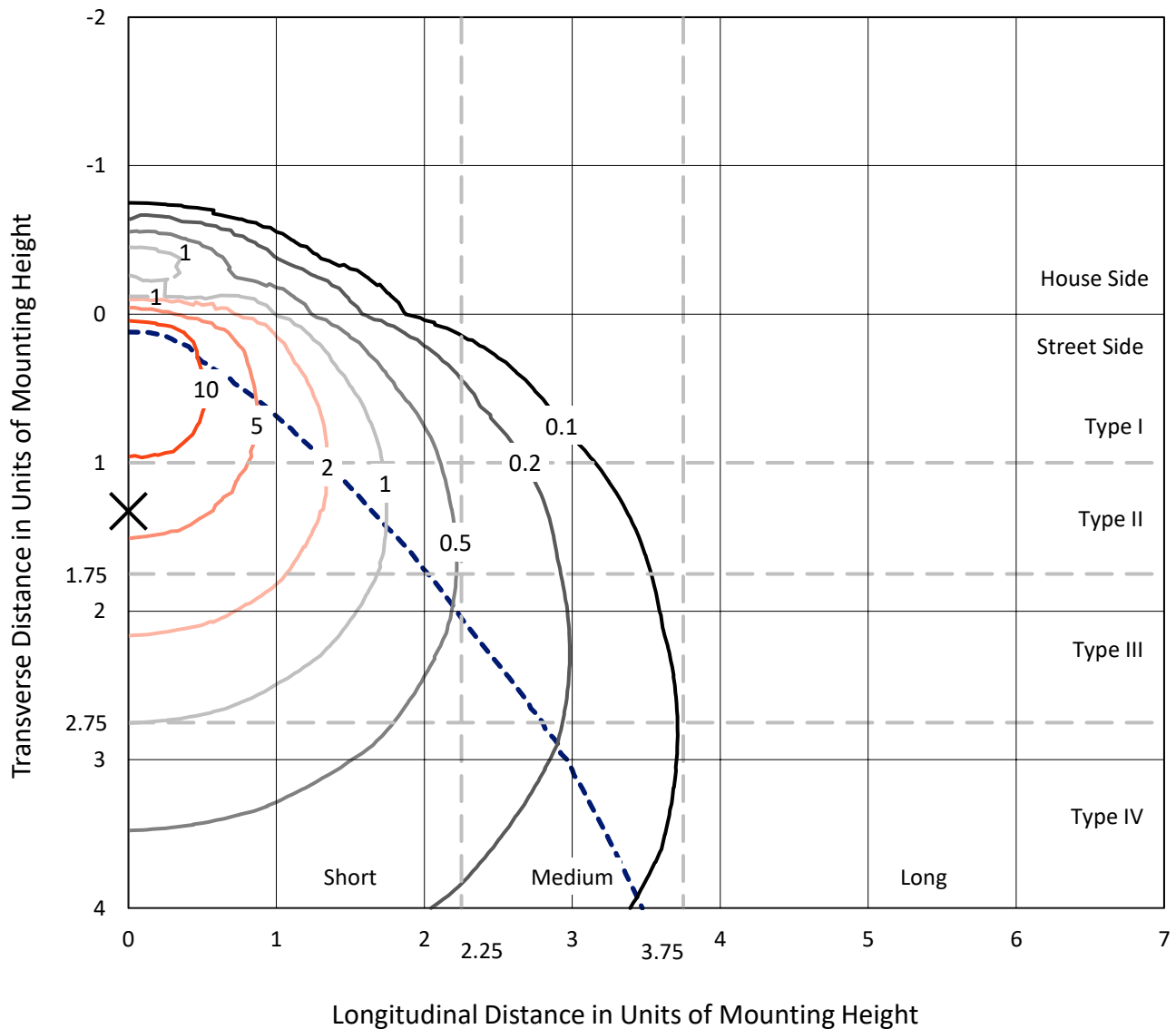


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

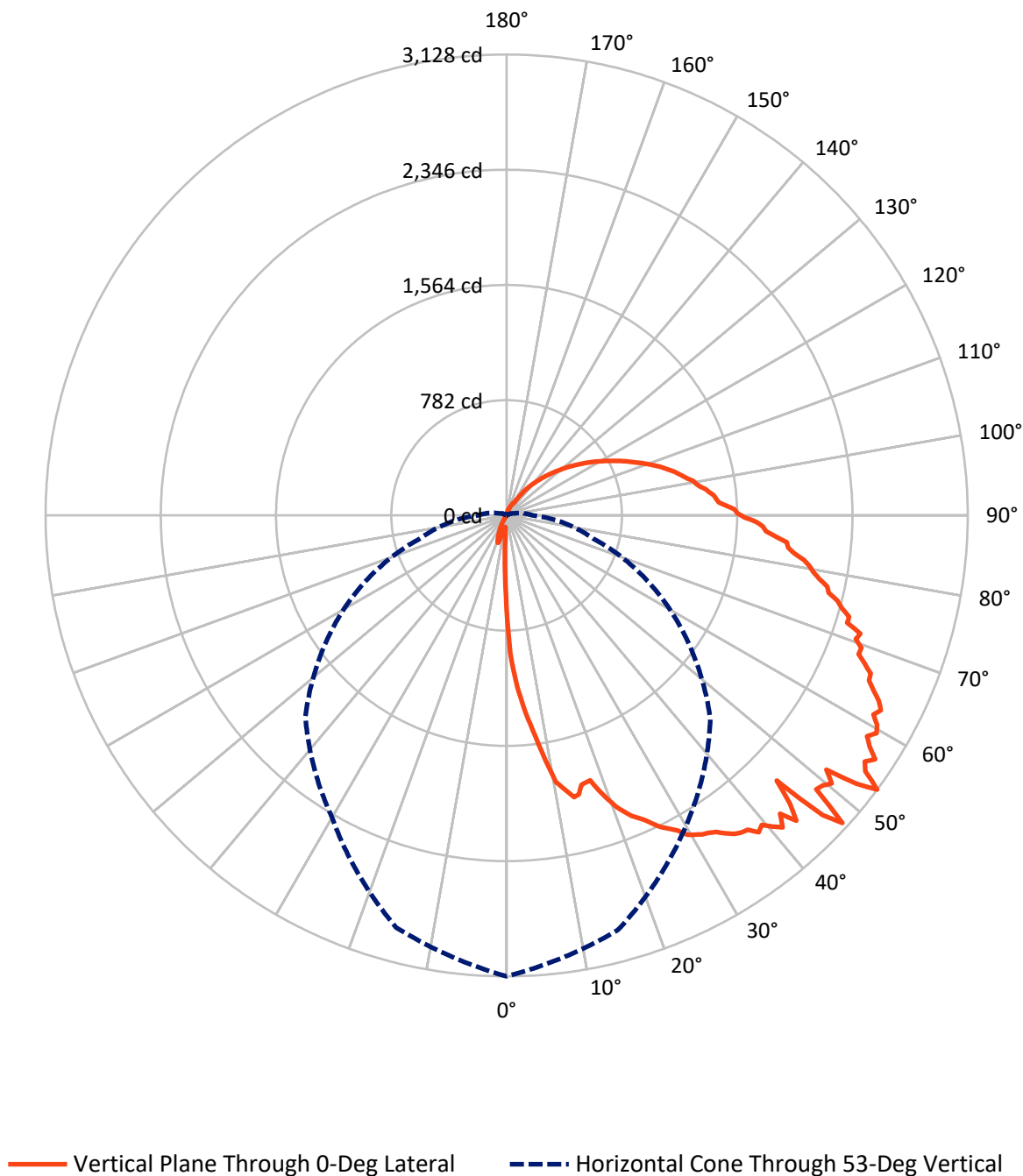


Based on 10 foot mounting height. Maximum calculated value = 17.8 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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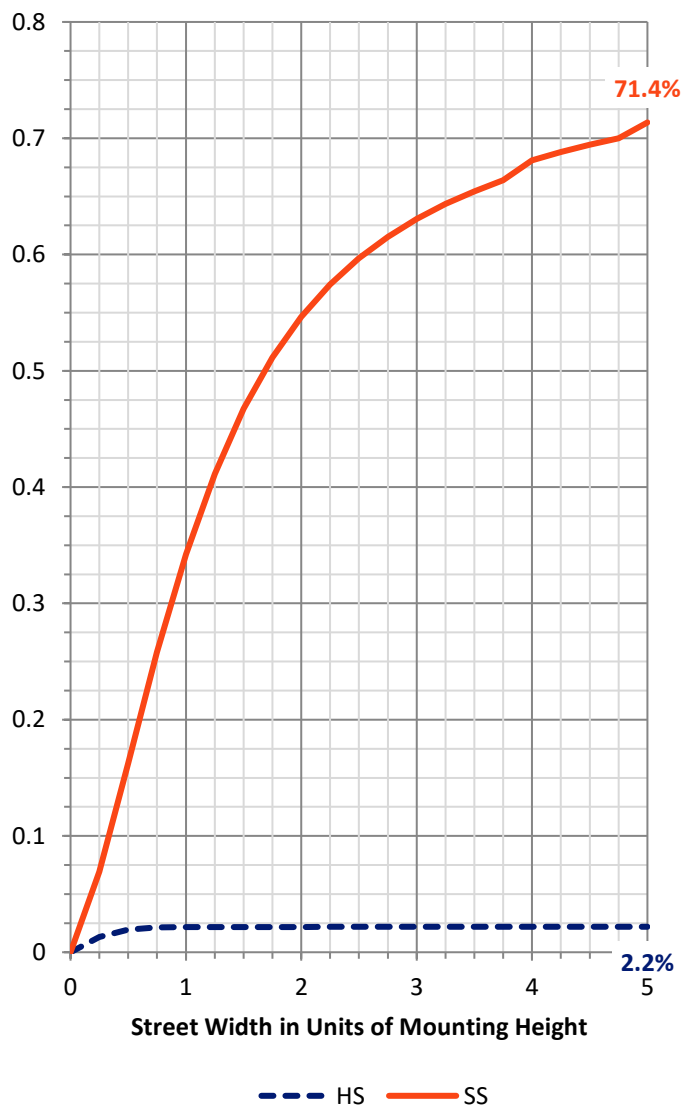
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	135.9	5.8	141.8
	% Fixture	2.2	0.1	2.3
Street Side	Lumens	4795.2	1193.1	5988.2
	% Fixture	78.2	19.5	97.7
Total	Lumens	4931.1	1198.9	6130.0
	% Fixture	80.4	19.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	1.2
10°-20°	244.8	4.0
20°-30°	427.1	7.0
30°-40°	594.9	9.7
40°-50°	718.5	11.7
50°-60°	799.7	13.0
60°-70°	803.2	13.1
70°-80°	712.0	11.6
80°-90°	560.3	9.1
90°-100°	426.6	7.0
100°-110°	320.4	5.2
110°-120°	214.6	3.5
120°-130°	129.2	2.1
130°-140°	67.6	1.1
140°-150°	27.8	0.5
150°-160°	10.0	0.2
160°-170°	2.5	0.0
170°-180°	0.2	0.0
0°-90°	4931.1	80.4
0°-180°	6130.0	100.0

Coefficient of Utilization



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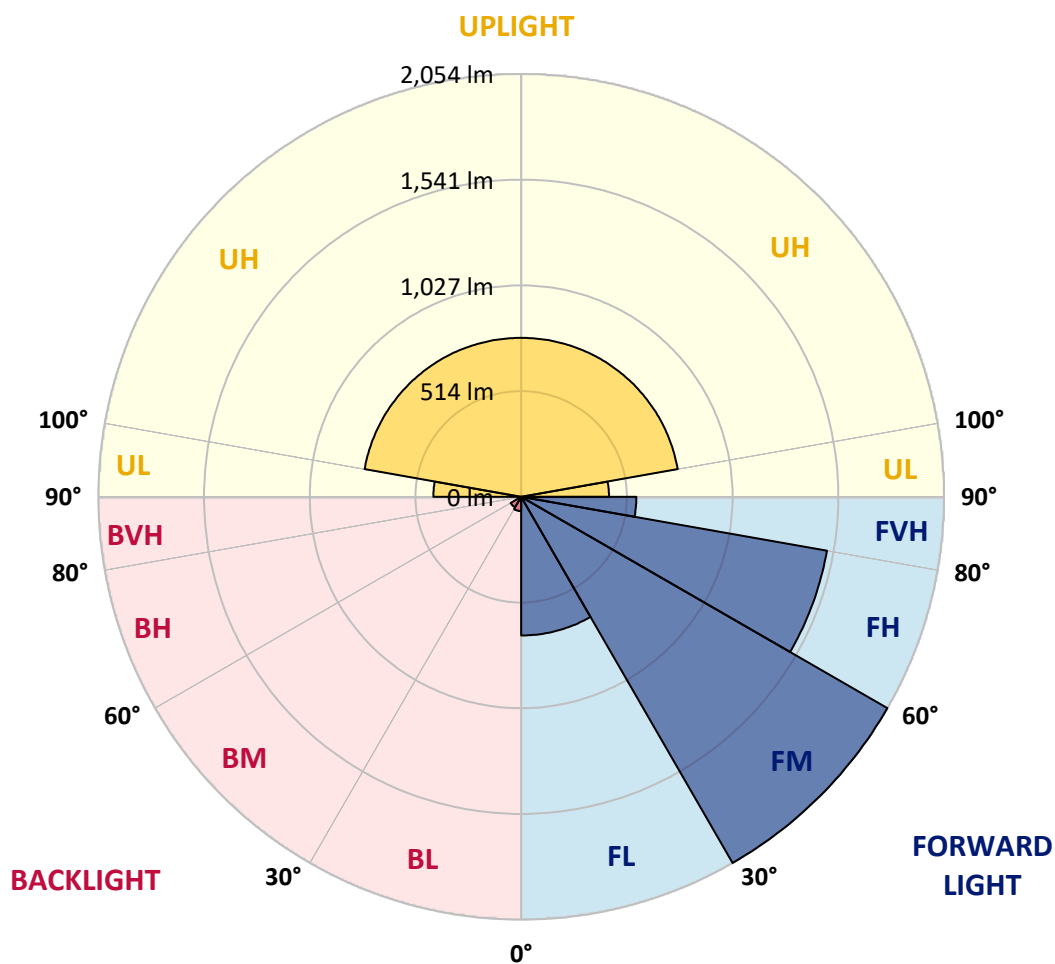
CATALOG NUMBER: CWP75 (45W-5000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	673.6	11.0			
FM	(30°-60°)	2054.0	33.5			
FH	(60°-80°)	1508.3	24.6			G1/1800
FVH	(80°-90°)	559.3	9.1			G4/750
BL	(0°-30°)	69.0	1.1	B0/110		
BM	(30°-60°)	59.0	1.0	B0/220		
BH	(60°-80°)	7.0	0.1	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	426.6	7.0		U3/500	
UH	(100°-180°)	772.3	12.6		U4/1000	

BUG Rating: B0-U4-G4

Type IV Short



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CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9
1°	930.9	931.1	915.1	884.1	842.2	793.5	692.5	650.1	610.1	575.0	552.2
2°	1044.7	1042.6	1031.1	1007.0	947.7	849.3	692.6	600.4	509.1	446.5	408.6
3°	1164.5	1153.2	1114.2	1060.7	1017.1	901.7	690.4	545.3	431.2	351.8	289.1
4°	1243.6	1229.2	1206.4	1151.5	1048.9	944.7	684.8	492.2	354.0	257.0	170.7
5°	1345.8	1333.8	1284.7	1208.4	1101.2	994.0	690.0	453.0	289.0	163.0	119.8
6°	1427.2	1400.7	1354.5	1270.8	1174.6	1010.5	681.4	411.6	224.0	120.6	92.9
7°	1517.9	1498.9	1428.5	1341.8	1200.3	1023.4	674.2	369.9	159.7	95.4	83.6
8°	1627.7	1593.4	1504.7	1387.1	1235.0	1043.9	672.8	324.8	128.5	85.9	78.9
9°	1730.0	1697.9	1595.2	1455.1	1290.5	1064.2	666.2	278.2	103.4	80.6	78.7
10°	1839.4	1798.1	1689.0	1506.7	1318.3	1090.9	663.9	244.9	91.1	78.5	81.6
11°	1881.6	1859.5	1781.6	1585.7	1343.2	1121.8	653.4	211.7	85.0	79.0	85.7
12°	1923.8	1919.8	1858.1	1648.6	1398.7	1128.4	637.6	178.8	81.7	81.5	90.5
13°	1965.9	1980.2	1883.5	1711.4	1429.4	1129.7	629.2	158.0	79.7	85.2	94.9
14°	1956.3	1941.6	1907.7	1777.5	1451.3	1139.4	617.5	138.7	79.0	89.5	98.2
15°	1897.5	1903.2	1931.9	1848.1	1491.3	1139.3	606.7	121.6	79.3	94.1	104.3
16°	1890.2	1886.9	1912.7	1886.8	1528.9	1149.2	595.2	106.9	80.8	98.9	117.1
17°	1885.3	1851.6	1842.0	1900.1	1554.1	1148.8	576.8	94.7	82.9	104.1	138.0
18°	1966.0	1888.9	1837.8	1855.1	1593.5	1136.3	561.5	86.8	85.6	111.2	160.6
19°	2035.8	1972.2	1799.5	1817.4	1616.2	1131.1	552.8	81.5	89.3	120.1	176.5
20°	2104.0	2051.7	1844.2	1766.1	1626.2	1137.8	535.4	77.8	93.4	130.7	183.5
21°	2158.0	2110.1	1918.5	1724.4	1643.5	1134.8	524.5	75.3	97.6	141.3	182.9
22°	2206.6	2151.9	1989.4	1708.8	1653.8	1135.6	508.9	73.6	102.7	149.6	178.5
23°	2237.8	2187.8	2038.1	1680.3	1654.3	1129.3	498.0	72.4	108.3	154.8	169.0
24°	2274.1	2225.9	2072.7	1705.2	1626.5	1127.4	488.3	71.7	114.0	156.1	158.3
25°	2322.9	2273.2	2103.4	1750.2	1578.7	1138.9	476.8	72.0	119.0	154.9	146.4
26°	2366.4	2315.3	2136.6	1794.4	1528.5	1135.6	465.9	72.8	123.5	150.5	135.0
27°	2397.3	2352.9	2171.2	1828.1	1480.2	1133.3	456.1	74.2	126.4	145.6	123.6
28°	2433.9	2384.0	2199.2	1851.1	1436.4	1136.2	445.7	76.2	128.6	139.3	112.5
29°	2490.2	2422.0	2228.0	1871.7	1416.4	1134.1	440.4	78.9	129.0	131.3	101.8
30°	2515.3	2462.6	2251.4	1889.6	1376.8	1139.7	433.4	81.8	128.2	123.2	90.8
31°	2538.5	2492.6	2275.7	1900.7	1353.0	1133.8	417.6	85.2	126.0	114.2	80.5
32°	2552.9	2519.4	2297.7	1900.2	1359.4	1126.8	407.8	88.8	122.9	104.8	70.3
33°	2576.6	2542.9	2329.1	1911.1	1379.8	1121.1	396.7	92.4	118.8	95.3	60.8
34°	2618.5	2557.4	2348.9	1923.2	1392.5	1110.2	388.2	95.3	113.7	86.3	51.7
35°	2655.8	2594.4	2364.0	1928.2	1403.8	1099.6	377.3	97.9	108.2	77.5	43.1
36°	2677.7	2624.8	2384.8	1930.0	1410.0	1090.0	365.7	99.6	102.3	69.0	35.3
37°	2688.2	2640.1	2409.1	1929.5	1409.5	1065.6	355.4	101.1	96.0	61.3	28.6
38°	2747.6	2663.7	2428.3	1931.4	1399.3	1046.2	345.9	101.4	89.7	53.3	25.0
39°	2721.0	2685.7	2431.0	1934.7	1390.5	1023.7	335.0	101.2	83.3	45.7	21.3
40°	2776.2	2675.9	2444.5	1932.2	1387.6	999.8	323.5	100.3	77.2	38.8	17.7
41°	2827.0	2733.0	2436.3	1930.4	1388.7	966.1	314.3	98.4	71.1	32.7	14.5
42°	2746.5	2736.7	2453.8	1926.2	1383.7	933.0	305.6	95.7	65.2	26.9	12.0
43°	2856.7	2728.0	2478.9	1929.1	1376.9	898.4	296.3	92.4	59.6	22.8	10.3
44°	2743.0	2771.1	2460.4	1932.1	1372.8	859.8	284.8	88.7	54.4	18.8	8.1

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CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	2568.7	2644.2	2476.5	1935.1	1371.7	824.5	273.1	85.1	49.2	14.8	1.3
46°	2956.0	2622.7	2463.5	1931.5	1367.9	786.4	262.3	81.0	44.5	11.6	0.5
47°	3088.4	2881.0	2386.2	1932.4	1361.8	752.8	251.0	76.8	39.9	8.1	0.6
48°	2803.9	2933.5	2420.5	1931.1	1350.5	717.7	237.9	72.5	35.4	5.5	0.6
49°	2821.7	2783.7	2515.0	1934.0	1335.8	682.6	225.3	68.4	30.5	4.1	0.6
50°	2858.9	2779.5	2510.1	1902.4	1325.9	658.1	212.7	64.3	26.0	2.5	0.6
51°	2772.8	2755.1	2474.0	1901.1	1314.0	641.7	200.1	60.1	22.3	0.5	0.7
52°	2991.5	2736.7	2485.4	1949.2	1295.3	624.8	185.5	56.0	18.5	0.5	0.7
53°	3128.1	2914.0	2433.7	1954.0	1280.4	608.9	174.2	52.1	14.8	0.6	0.7
54°	2990.1	2971.9	2400.7	1930.3	1253.1	586.0	163.6	48.3	12.0	0.6	0.8
55°	2949.0	2867.8	2489.4	1923.3	1228.8	569.3	154.1	44.6	9.3	0.6	0.8
56°	2998.9	2860.9	2538.3	1909.5	1231.2	551.2	142.9	41.0	6.9	0.6	0.8
57°	2919.2	2886.0	2517.4	1897.8	1218.4	530.9	134.7	37.4	4.6	0.7	0.9
58°	2867.8	2820.6	2500.6	1917.6	1184.7	512.9	125.8	34.0	3.0	0.7	0.9
59°	2912.9	2790.6	2480.4	1917.6	1159.9	496.6	118.3	30.8	1.6	0.7	1.0
60°	2887.6	2817.9	2449.0	1903.0	1135.8	486.5	110.5	27.7	0.6	0.8	1.0
61°	2831.9	2789.1	2436.5	1882.1	1114.6	473.5	102.6	24.8	0.5	0.8	1.0
62°	2862.3	2744.4	2431.8	1861.2	1104.0	456.7	94.9	22.2	0.5	0.8	1.1
63°	2821.0	2760.5	2419.7	1841.6	1091.6	442.1	88.6	19.6	0.5	0.9	1.1
64°	2758.4	2727.1	2422.0	1818.1	1068.0	428.3	81.2	17.0	0.6	0.9	1.2
65°	2700.8	2653.0	2416.6	1796.1	1049.2	415.7	75.0	14.5	0.6	0.9	1.2
66°	2692.8	2618.0	2377.4	1780.3	1024.0	405.9	69.0	11.9	0.6	1.0	1.3
67°	2629.9	2603.6	2330.1	1775.9	1000.9	393.4	62.9	9.6	0.6	1.0	1.3
68°	2567.2	2524.2	2288.6	1756.3	981.9	380.3	57.1	7.5	0.6	1.0	1.4
69°	2569.4	2490.9	2241.9	1720.5	957.2	367.2	51.7	5.6	0.7	1.1	1.4
70°	2513.9	2454.8	2197.4	1696.1	940.0	354.8	46.8	3.9	0.7	1.1	1.5
71°	2531.0	2443.6	2173.6	1661.4	917.9	342.0	41.8	2.5	0.7	1.1	1.5
72°	2422.9	2400.8	2143.4	1622.0	892.4	331.1	36.9	1.4	0.7	1.2	1.6
73°	2424.1	2340.6	2132.9	1596.6	866.3	321.0	32.6	0.9	0.8	1.2	1.6
74°	2362.4	2309.7	2063.6	1574.9	836.4	308.7	28.6	0.7	0.8	1.2	1.7
75°	2318.5	2271.8	2025.5	1545.1	815.4	297.0	24.8	0.6	0.8	1.3	1.7
76°	2246.2	2200.7	1970.1	1511.6	790.9	283.8	21.6	0.5	0.8	1.3	1.7
77°	2227.8	2171.2	1915.6	1473.2	771.4	272.3	18.3	0.5	0.9	1.4	1.8
78°	2165.4	2111.1	1884.0	1433.5	750.3	262.4	15.1	0.5	0.9	1.4	1.8
79°	2117.8	2058.8	1826.8	1394.1	722.7	251.6	12.4	0.5	0.9	1.4	1.9
80°	2083.4	2003.9	1778.1	1353.4	698.4	239.7	9.9	0.5	0.9	1.5	1.9
81°	2038.8	1978.7	1734.1	1317.2	671.8	229.4	7.6	0.5	1.0	1.5	2.0
82°	1966.3	1912.8	1685.8	1282.5	649.9	218.0	5.7	0.5	1.0	1.5	2.0
83°	1921.8	1854.5	1624.6	1238.5	629.9	207.9	4.1	0.5	1.0	1.5	2.0
84°	1909.7	1838.9	1592.9	1191.8	602.9	198.1	2.7	0.5	1.0	1.6	2.0
85°	1831.8	1772.9	1551.4	1175.5	594.8	191.2	1.7	0.5	1.0	1.6	2.1
86°	1762.8	1705.7	1485.5	1122.1	565.8	181.6	1.0	0.5	1.1	1.6	2.1
87°	1740.5	1672.6	1452.8	1096.1	551.1	174.9	0.6	0.6	1.1	1.7	2.1
88°	1696.1	1629.8	1412.9	1056.6	528.9	167.4	0.3	0.6	1.1	1.7	2.2
89°	1616.1	1551.0	1342.4	1011.5	513.5	161.7	0.2	0.6	1.1	1.7	2.2

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CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	1565.9	1504.2	1311.6	987.6	498.5	156.6	0.2	0.6	1.2	1.7	2.3
91°	1546.9	1482.0	1280.3	956.9	487.1	152.0	0.2	0.6	1.2	1.8	2.3
92°	1492.5	1427.1	1231.6	941.6	478.4	147.0	0.2	0.6	1.2	1.8	2.3
93°	1442.3	1384.3	1211.0	926.6	469.0	142.0	0.3	0.6	1.2	1.8	2.4
94°	1425.7	1370.7	1199.7	911.6	458.4	136.8	0.3	0.7	1.2	1.9	2.4
95°	1413.0	1353.6	1177.8	892.4	444.9	131.4	0.3	0.7	1.3	1.9	2.4
96°	1384.1	1325.2	1155.9	868.9	428.6	125.6	0.3	0.7	1.3	1.9	2.4
97°	1362.5	1302.9	1130.0	840.6	413.4	120.8	0.3	0.7	1.3	1.9	2.5
98°	1325.9	1269.3	1100.1	816.5	398.4	115.3	0.3	0.7	1.3	1.9	2.5
99°	1302.1	1246.0	1078.6	792.8	384.8	110.3	0.3	0.7	1.3	2.0	2.5
100°	1287.2	1225.2	1051.0	768.2	372.0	105.6	0.3	0.7	1.3	2.0	2.5
101°	1252.8	1195.6	1026.5	745.1	358.4	100.9	0.3	0.8	1.4	2.0	2.5
102°	1228.4	1171.9	1002.7	721.5	344.4	96.1	0.3	0.8	1.4	2.0	2.5
103°	1203.2	1146.7	976.8	697.1	330.9	91.8	0.3	0.8	1.4	2.0	2.6
104°	1178.1	1120.9	949.9	672.3	318.2	87.6	0.3	0.8	1.4	2.0	2.6
105°	1150.5	1093.5	923.6	646.4	305.4	83.4	0.3	0.8	1.4	2.0	2.6
106°	1122.2	1065.3	897.4	621.8	292.3	79.6	0.3	0.8	1.4	2.0	2.6
107°	1095.0	1036.8	871.1	598.1	279.9	76.0	0.4	0.8	1.4	2.0	2.6
108°	1064.4	1005.9	840.8	574.9	268.2	72.7	0.4	0.8	1.4	2.0	2.6
109°	1033.5	976.7	814.0	552.1	257.6	69.8	0.4	0.8	1.4	2.0	2.5
110°	1003.2	947.7	786.4	529.9	246.9	67.0	0.4	0.8	1.4	2.0	2.5
111°	971.5	919.1	760.1	507.4	236.7	64.5	0.4	0.8	1.4	2.0	2.6
112°	938.9	890.6	733.7	486.7	227.0	62.0	0.4	0.8	1.4	2.0	2.5
113°	911.8	861.2	708.1	466.2	217.0	59.4	0.4	0.8	1.4	2.0	2.5
114°	884.7	833.2	683.2	446.6	207.1	56.7	0.4	0.8	1.4	2.0	2.4
115°	857.6	805.6	659.2	427.3	197.2	54.0	0.4	0.8	1.4	1.9	2.4
116°	830.1	779.0	635.5	408.6	188.1	51.2	0.4	0.8	1.4	1.9	2.4
117°	802.2	752.1	611.5	390.4	179.5	48.6	0.4	0.8	1.4	1.9	2.4
118°	775.8	726.3	588.1	373.2	172.0	46.1	0.4	0.8	1.4	1.9	2.4
119°	748.6	700.8	565.8	356.6	164.5	43.3	0.4	0.9	1.4	1.9	2.4
120°	722.1	675.4	543.5	339.3	156.9	40.2	0.4	0.9	1.4	1.9	2.4
121°	695.8	650.2	522.0	323.6	149.4	37.6	0.4	0.9	1.4	1.9	2.3
122°	669.7	625.4	500.8	308.0	141.8	35.6	0.4	0.9	1.4	1.9	2.3
123°	644.7	601.0	479.0	292.5	134.1	33.8	0.5	0.9	1.4	1.9	2.3
124°	620.1	576.7	458.0	277.6	126.3	32.4	0.5	0.9	1.4	1.9	2.3
125°	594.7	553.0	438.2	263.7	118.9	31.2	0.5	0.9	1.4	1.9	2.3
126°	570.0	530.1	418.1	251.3	112.1	30.0	0.5	0.9	1.4	1.9	2.3
127°	546.7	507.8	397.9	239.5	106.2	28.8	0.5	0.9	1.4	1.9	2.3
128°	523.4	485.0	378.6	227.2	101.1	27.6	0.5	0.9	1.4	1.9	2.3
129°	499.7	462.6	359.5	215.9	96.8	26.7	0.5	1.0	1.4	1.9	2.3
130°	476.7	440.9	340.2	204.5	93.7	26.0	0.6	1.0	1.4	1.9	2.3
131°	454.6	419.3	321.7	193.9	90.7	25.3	0.6	1.0	1.5	1.9	2.4
132°	432.3	398.2	303.4	183.5	87.6	24.8	0.6	1.0	1.5	1.9	2.4
133°	410.5	377.3	285.2	173.1	83.4	24.1	0.6	1.0	1.5	2.0	2.4
134°	389.7	356.7	268.0	163.2	78.8	23.0	0.6	1.0	1.5	2.0	2.4

REPORT NUMBER: P1444959

CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	369.3	336.9	251.4	153.7	74.4	21.9	0.7	1.1	1.5	2.0	2.4
136°	348.9	317.9	235.2	144.4	70.5	20.9	0.7	1.1	1.5	2.0	2.4
137°	328.9	298.9	219.9	135.5	66.8	19.8	0.7	1.1	1.5	2.0	2.4
138°	309.6	280.6	205.4	127.2	63.3	18.7	0.7	1.1	1.5	2.0	2.4
139°	291.2	262.5	191.5	119.6	60.3	17.5	0.8	1.2	1.6	2.0	2.4
140°	272.3	244.1	178.2	112.4	57.5	16.5	0.8	1.2	1.6	2.0	2.4
141°	253.3	225.8	165.9	105.7	55.0	15.5	0.8	1.2	1.6	2.0	2.4
142°	233.7	206.8	153.5	99.4	52.7	14.4	0.9	1.2	1.6	2.0	2.4
143°	214.1	187.9	141.5	94.3	50.7	13.3	0.9	1.3	1.6	2.0	2.4
144°	194.2	170.1	130.6	89.2	49.1	12.3	0.9	1.3	1.6	2.0	2.3
145°	174.5	153.2	120.2	84.0	47.1	11.3	1.0	1.3	1.6	2.0	2.3
146°	155.0	137.4	110.4	79.3	44.3	10.2	1.0	1.3	1.7	2.0	2.3
147°	136.0	122.8	101.4	74.9	41.1	9.2	1.1	1.3	1.7	2.0	2.3
148°	117.6	109.6	94.7	71.3	37.8	8.1	1.1	1.4	1.7	2.0	2.3
149°	102.2	98.4	88.0	68.1	34.9	7.2	1.1	1.4	1.7	2.0	2.3
150°	94.1	94.4	81.3	64.7	32.1	6.4	1.2	1.4	1.7	2.0	2.2
151°	93.0	90.5	78.0	61.1	29.8	5.7	1.2	1.4	1.7	1.9	2.2
152°	92.0	86.7	74.9	57.3	27.6	5.0	1.2	1.4	1.7	1.9	2.2
153°	87.4	82.8	70.7	53.6	25.6	4.4	1.3	1.4	1.7	1.9	2.1
154°	82.0	77.8	66.1	49.9	23.7	3.8	1.3	1.5	1.7	1.9	2.1
155°	76.2	72.5	61.4	46.0	21.9	3.1	1.3	1.5	1.7	1.8	2.0
156°	70.6	67.2	56.9	41.7	20.0	2.4	1.3	1.5	1.7	1.8	2.0
157°	65.3	62.1	52.7	37.5	18.4	1.8	1.4	1.5	1.7	1.8	1.9
158°	60.3	57.4	48.6	33.4	16.8	1.3	1.4	1.5	1.7	1.8	1.9
159°	55.6	53.0	44.7	29.6	15.2	1.3	1.4	1.5	1.6	1.7	1.8
160°	51.0	48.6	40.8	26.2	13.7	1.3	1.4	1.5	1.6	1.7	1.8
161°	46.5	44.3	36.7	23.3	12.3	1.3	1.5	1.5	1.6	1.7	1.8
162°	42.3	40.2	32.6	20.6	10.7	1.3	1.5	1.5	1.6	1.7	1.7
163°	38.3	36.4	28.7	18.2	9.0	1.3	1.5	1.5	1.6	1.7	1.7
164°	34.4	32.7	24.9	16.1	7.3	1.3	1.5	1.5	1.6	1.6	1.6
165°	30.8	28.9	21.5	14.4	5.6	1.3	1.5	1.6	1.6	1.6	1.6
166°	26.8	25.0	18.4	12.7	4.0	1.3	1.5	1.6	1.6	1.6	1.5
167°	22.6	20.9	15.6	10.7	2.6	1.4	1.5	1.6	1.6	1.6	1.5
168°	18.4	17.0	13.6	8.4	1.6	1.4	1.6	1.6	1.6	1.5	1.5
169°	15.1	14.0	11.3	6.2	1.3	1.4	1.6	1.6	1.6	1.5	1.4
170°	12.0	11.2	8.6	3.9	1.3	1.4	1.6	1.6	1.6	1.5	1.4
171°	9.0	8.3	5.9	2.0	1.2	1.3	1.6	1.6	1.5	1.5	1.4
172°	5.9	5.4	3.1	1.2	1.2	1.3	1.6	1.6	1.5	1.5	1.4
173°	2.9	2.4	1.3	1.2	1.3	1.4	1.6	1.6	1.5	1.5	1.4
174°	1.0	1.0	1.1	1.2	1.3	1.4	1.6	1.6	1.5	1.5	1.4
175°	0.9	1.0	1.1	1.2	1.3	1.4	1.6	1.6	1.5	1.4	1.3
176°	1.0	1.0	1.1	1.2	1.3	1.4	1.6	1.6	1.5	1.4	1.3
177°	1.0	1.0	1.1	1.2	1.3	1.3	1.5	1.5	1.5	1.4	1.3
178°	1.0	1.0	1.0	1.1	1.2	1.3	1.5	1.5	1.5	1.4	1.3
179°	1.0	1.0	1.0	1.1	1.2	1.3	1.5	1.5	1.5	1.4	1.3



REPORT NUMBER: P1444959
CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

REPORT NUMBER: P1444959

CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9	721.9
1°	542.7	544.5	557.5	585.3	620.9	662.8	702.5	695.6	739.8	787.4	837.6
2°	410.7	409.9	400.2	432.8	482.3	563.9	657.0	691.2	785.6	895.3	976.2
3°	278.8	275.4	277.0	331.1	380.1	471.9	614.9	698.0	844.4	991.0	1039.0
4°	148.3	143.4	153.7	229.5	279.5	402.5	561.9	697.4	903.3	1033.6	1128.6
5°	101.8	99.0	104.5	129.2	179.0	320.6	509.0	692.0	948.3	1074.8	1196.1
6°	87.0	85.5	87.3	95.7	134.0	250.8	462.8	692.7	988.6	1138.6	1251.2
7°	80.3	79.5	80.5	85.0	100.6	181.1	422.5	687.9	1003.9	1188.0	1321.7
8°	79.0	79.0	78.7	79.5	87.8	147.3	383.9	681.7	1012.7	1209.8	1368.1
9°	81.6	82.6	81.0	78.1	82.0	118.3	345.0	679.0	1034.2	1259.5	1440.9
10°	86.1	87.9	85.6	80.5	79.0	98.4	301.1	668.9	1054.0	1300.8	1489.4
11°	91.6	93.5	91.1	84.4	78.6	89.5	263.3	657.9	1077.0	1324.0	1555.1
12°	95.3	96.0	95.4	89.3	80.8	84.2	225.5	647.8	1088.1	1362.9	1633.1
13°	97.1	97.3	98.0	94.5	84.1	80.8	187.8	632.1	1088.6	1397.3	1694.0
14°	102.6	104.4	103.8	98.8	88.1	78.6	164.4	619.8	1086.9	1421.4	1764.4
15°	119.5	128.0	120.4	104.2	92.5	77.7	144.7	603.7	1090.4	1446.2	1822.7
16°	150.6	165.4	147.7	114.7	97.3	77.9	126.0	595.7	1092.5	1486.6	1853.6
17°	180.3	192.5	178.3	131.3	102.1	79.3	110.4	579.8	1096.4	1512.3	1878.6
18°	193.9	194.9	193.1	150.8	107.8	81.6	97.9	569.7	1093.7	1537.4	1824.8
19°	192.3	192.4	192.1	166.1	115.7	85.3	88.6	555.4	1085.1	1562.7	1787.7
20°	188.3	181.5	188.7	175.1	124.6	89.7	82.2	542.1	1084.5	1587.0	1733.3
21°	177.6	169.5	177.8	177.0	133.4	94.7	77.4	534.2	1085.0	1599.3	1692.5
22°	164.6	155.2	165.3	174.1	140.7	100.3	74.2	524.4	1094.1	1604.0	1667.1
23°	151.4	140.7	152.2	166.3	145.5	105.1	71.7	516.2	1094.3	1605.3	1635.7
24°	138.8	129.2	139.2	156.8	147.0	109.8	70.1	508.8	1093.5	1573.3	1672.5
25°	126.8	116.7	128.1	145.8	146.1	113.6	69.3	506.4	1091.5	1522.9	1716.6
26°	115.9	106.0	116.0	134.0	143.2	118.1	69.0	497.7	1099.9	1494.9	1761.2
27°	105.5	96.9	105.8	122.5	138.8	120.8	69.3	491.3	1098.3	1442.9	1793.3
28°	95.6	86.8	95.1	111.4	133.3	122.8	70.3	483.1	1106.5	1396.9	1815.6
29°	85.6	78.0	84.9	100.4	126.7	123.4	72.1	472.7	1104.5	1378.0	1825.3
30°	75.6	64.7	75.1	89.9	119.3	123.0	74.5	465.1	1102.4	1340.8	1839.3
31°	62.3	49.4	62.3	79.9	111.4	121.6	77.2	452.7	1102.5	1321.7	1851.1
32°	50.3	35.3	49.8	70.7	102.8	119.0	80.4	446.4	1092.9	1334.1	1865.9
33°	40.0	30.3	39.3	61.4	93.7	115.1	82.9	439.4	1086.5	1353.1	1870.5
34°	32.6	27.6	32.0	51.9	84.9	110.2	85.4	424.4	1083.9	1369.5	1875.0
35°	26.9	25.3	27.4	43.2	76.8	105.2	87.9	419.8	1076.2	1382.0	1879.8
36°	23.7	22.3	24.0	36.3	68.5	99.5	89.9	403.4	1057.3	1384.2	1884.8
37°	20.5	19.2	20.5	30.0	60.7	93.7	91.0	394.9	1045.1	1380.2	1889.5
38°	17.2	16.2	17.1	25.7	53.5	87.4	91.6	383.4	1032.2	1371.4	1889.9
39°	15.1	14.5	14.9	21.5	46.1	81.5	91.8	373.2	1015.3	1371.4	1890.5
40°	13.5	11.2	13.2	17.2	38.8	75.5	91.1	363.1	981.3	1371.6	1892.9
41°	10.4	1.6	10.3	14.1	32.6	69.9	89.6	354.5	949.4	1370.5	1892.6
42°	1.3	0.6	1.6	11.5	27.2	64.6	87.6	344.5	919.9	1369.3	1897.8
43°	0.5	0.6	0.6	9.6	22.9	59.3	85.3	330.0	884.9	1367.1	1902.2
44°	0.6	0.6	0.6	7.3	18.7	54.4	82.8	318.8	842.0	1365.8	1900.9

REPORT NUMBER: P1444959

CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.6	0.6	0.6	1.4	14.5	49.6	80.1	306.0	804.6	1363.1	1903.7
46°	0.6	0.7	0.7	0.6	11.5	44.8	77.2	293.9	770.2	1356.9	1913.6
47°	0.7	0.7	0.7	0.6	8.2	40.4	74.1	278.2	730.9	1351.6	1912.7
48°	0.7	0.7	0.7	0.6	5.4	36.0	70.5	264.2	698.9	1345.3	1916.2
49°	0.7	0.8	0.8	0.7	3.9	31.5	66.8	248.9	676.2	1334.3	1905.6
50°	0.8	0.8	0.8	0.7	2.3	26.8	62.9	234.8	661.5	1320.7	1889.8
51°	0.8	0.9	0.8	0.7	0.6	23.1	58.8	220.1	645.1	1308.4	1903.1
52°	0.8	0.9	0.9	0.8	0.6	19.4	55.0	208.1	628.8	1293.3	1916.7
53°	0.9	0.9	0.9	0.8	0.6	15.7	51.3	194.0	608.9	1277.5	1930.3
54°	0.9	1.0	0.9	0.8	0.6	12.7	47.7	183.3	590.1	1256.6	1922.7
55°	1.0	1.0	1.0	0.9	0.7	9.9	44.1	171.1	569.6	1245.0	1908.0
56°	1.0	1.1	1.0	0.9	0.7	7.4	40.5	159.7	551.8	1234.7	1896.6
57°	1.0	1.1	1.1	0.9	0.7	5.0	37.1	150.3	535.0	1209.5	1902.8
58°	1.1	1.1	1.1	1.0	0.7	3.2	33.8	140.4	518.6	1185.1	1917.8
59°	1.1	1.2	1.2	1.0	0.8	1.7	30.6	130.3	507.4	1165.2	1916.2
60°	1.2	1.2	1.2	1.0	0.8	0.6	27.8	121.9	492.4	1146.7	1897.1
61°	1.2	1.3	1.3	1.1	0.8	0.6	25.0	113.5	475.9	1134.4	1878.5
62°	1.3	1.4	1.3	1.1	0.9	0.6	22.5	105.2	461.0	1119.3	1855.0
63°	1.3	1.4	1.4	1.2	0.9	0.6	20.0	99.2	448.4	1103.7	1837.8
64°	1.4	1.5	1.4	1.2	0.9	0.6	17.5	92.6	435.5	1081.8	1836.4
65°	1.4	1.5	1.5	1.3	1.0	0.6	15.3	86.1	422.4	1059.7	1812.2
66°	1.5	1.6	1.5	1.3	1.0	0.6	12.8	79.6	410.7	1035.0	1794.9
67°	1.6	1.6	1.6	1.4	1.0	0.7	10.4	72.9	398.1	1012.9	1782.0
68°	1.6	1.7	1.6	1.4	1.1	0.7	8.2	66.5	385.1	991.8	1755.1
69°	1.7	1.7	1.7	1.5	1.1	0.7	6.1	60.9	373.2	972.6	1731.1
70°	1.7	1.8	1.7	1.5	1.1	0.7	4.4	55.2	361.5	950.6	1701.8
71°	1.8	1.9	1.8	1.5	1.2	0.7	2.9	49.3	347.9	925.7	1664.0
72°	1.8	1.9	1.8	1.6	1.2	0.8	1.7	44.2	337.9	899.5	1631.7
73°	1.9	2.0	1.9	1.6	1.2	0.8	1.0	39.8	326.1	873.3	1604.9
74°	1.9	2.0	1.9	1.7	1.3	0.8	0.8	35.3	313.7	846.8	1580.0
75°	2.0	2.1	2.0	1.7	1.3	0.8	0.7	31.1	300.7	824.5	1546.9
76°	2.0	2.1	2.0	1.8	1.3	0.8	0.6	27.3	287.7	800.6	1513.2
77°	2.1	2.2	2.1	1.8	1.4	0.9	0.5	23.8	275.8	777.4	1472.9
78°	2.1	2.2	2.1	1.9	1.4	0.9	0.5	20.2	264.4	750.2	1430.4
79°	2.2	2.3	2.2	1.9	1.4	0.9	0.5	17.0	252.3	720.4	1392.1
80°	2.2	2.3	2.2	1.9	1.5	0.9	0.5	14.2	239.9	694.9	1344.1
81°	2.3	2.4	2.3	2.0	1.5	0.9	0.5	11.5	228.2	669.4	1312.4
82°	2.3	2.4	2.3	2.0	1.5	1.0	0.5	9.3	217.6	646.2	1270.7
83°	2.3	2.4	2.3	2.0	1.5	1.0	0.5	7.2	207.2	620.6	1225.0
84°	2.3	2.5	2.4	2.0	1.5	1.0	0.5	5.1	199.4	606.2	1200.3
85°	2.4	2.5	2.4	2.1	1.6	1.0	0.5	3.5	189.7	580.0	1147.1
86°	2.4	2.5	2.4	2.1	1.6	1.0	0.5	2.2	182.7	564.7	1114.5
87°	2.5	2.6	2.5	2.1	1.6	1.0	0.6	1.2	175.4	544.4	1082.6
88°	2.5	2.6	2.5	2.2	1.6	1.1	0.6	0.6	170.0	527.3	1033.4
89°	2.5	2.7	2.6	2.2	1.7	1.1	0.6	0.3	164.5	512.5	1004.9

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CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	2.6	2.7	2.6	2.3	1.7	1.1	0.6	0.2	159.7	501.0	976.7
91°	2.6	2.7	2.6	2.3	1.7	1.1	0.6	0.2	154.6	492.0	952.6
92°	2.7	2.8	2.7	2.3	1.7	1.1	0.6	0.2	149.2	481.9	938.3
93°	2.7	2.8	2.7	2.3	1.8	1.2	0.6	0.2	143.8	471.3	924.1
94°	2.7	2.8	2.7	2.4	1.8	1.2	0.6	0.2	138.2	457.5	910.0
95°	2.8	2.9	2.8	2.4	1.8	1.2	0.7	0.2	132.6	441.8	889.3
96°	2.8	2.9	2.8	2.4	1.8	1.2	0.7	0.2	127.4	426.9	862.7
97°	2.8	2.9	2.8	2.4	1.9	1.2	0.7	0.2	121.4	411.9	837.4
98°	2.8	3.0	2.9	2.5	1.9	1.2	0.7	0.2	116.1	397.1	813.2
99°	2.9	3.0	2.9	2.5	1.9	1.3	0.7	0.2	111.4	384.1	788.5
100°	2.9	3.0	2.9	2.5	1.9	1.3	0.7	0.2	106.3	370.5	765.6
101°	2.9	3.0	2.9	2.5	1.9	1.3	0.7	0.2	101.2	356.1	742.0
102°	2.9	3.1	2.9	2.5	1.9	1.3	0.8	0.2	96.4	342.3	718.4
103°	2.9	3.1	3.0	2.6	2.0	1.3	0.8	0.2	92.1	329.1	693.6
104°	3.0	3.1	3.0	2.6	2.0	1.3	0.8	0.2	87.8	316.2	669.0
105°	3.0	3.1	3.0	2.6	2.0	1.3	0.8	0.2	83.5	302.7	643.2
106°	2.9	3.1	3.0	2.6	2.0	1.3	0.8	0.2	79.5	289.8	618.8
107°	2.9	3.1	3.0	2.6	2.0	1.3	0.8	0.2	76.1	278.0	595.0
108°	2.9	3.1	3.0	2.6	2.0	1.4	0.8	0.2	72.9	266.7	571.3
109°	2.9	3.1	2.9	2.6	2.0	1.4	0.8	0.2	70.0	256.1	548.8
110°	2.9	3.1	3.0	2.6	2.0	1.4	0.8	0.2	67.2	246.0	526.4
111°	2.9	3.1	3.0	2.6	2.0	1.4	0.9	0.2	64.5	235.7	504.6
112°	2.9	3.1	2.9	2.6	2.0	1.4	0.9	0.2	61.9	225.7	484.1
113°	2.9	3.0	2.9	2.5	2.0	1.4	0.9	0.2	59.1	215.2	463.7
114°	2.8	3.0	2.8	2.5	1.9	1.4	0.9	0.2	56.2	205.0	443.4
115°	2.8	2.9	2.8	2.5	1.9	1.4	0.9	0.3	53.2	195.3	423.8
116°	2.8	2.9	2.8	2.5	1.9	1.4	0.9	0.3	50.5	186.4	405.1
117°	2.7	2.9	2.8	2.4	1.9	1.4	0.9	0.3	47.8	178.5	387.2
118°	2.7	2.9	2.8	2.4	1.9	1.4	0.9	0.3	45.0	170.9	369.8
119°	2.7	2.9	2.8	2.4	1.9	1.4	0.9	0.3	42.1	163.1	352.7
120°	2.7	2.8	2.8	2.4	1.9	1.4	0.9	0.3	39.3	155.6	336.5
121°	2.7	2.8	2.7	2.4	2.0	1.4	1.0	0.3	36.8	147.7	320.9
122°	2.7	2.8	2.7	2.4	2.0	1.5	1.0	0.3	34.8	140.0	305.0
123°	2.7	2.8	2.7	2.4	2.0	1.5	1.0	0.3	33.2	132.2	289.2
124°	2.7	2.8	2.7	2.5	2.0	1.5	1.0	0.3	31.9	124.6	274.4
125°	2.7	2.8	2.8	2.5	2.0	1.5	1.1	0.3	30.9	117.3	261.5
126°	2.7	2.8	2.8	2.5	2.0	1.6	1.1	0.3	29.8	110.8	249.7
127°	2.7	2.8	2.8	2.5	2.1	1.6	1.1	0.3	28.6	105.0	237.4
128°	2.7	2.8	2.8	2.5	2.1	1.6	1.1	0.4	27.5	100.1	225.2
129°	2.7	2.8	2.8	2.5	2.1	1.6	1.1	0.4	26.8	96.2	213.7
130°	2.7	2.8	2.8	2.5	2.1	1.7	1.2	0.4	26.1	92.8	202.5
131°	2.7	2.8	2.8	2.5	2.2	1.7	1.2	0.4	25.4	89.4	191.6
132°	2.7	2.8	2.8	2.6	2.2	1.7	1.2	0.4	24.7	86.1	181.0
133°	2.7	2.8	2.8	2.6	2.2	1.7	1.3	0.4	23.9	81.3	170.9
134°	2.7	2.8	2.8	2.6	2.2	1.7	1.3	0.5	22.8	76.6	161.4

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CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	2.7	2.8	2.8	2.6	2.2	1.8	1.3	0.5	21.7	72.4	152.0
136°	2.7	2.8	2.8	2.6	2.2	1.8	1.3	0.5	20.7	68.7	142.7
137°	2.7	2.8	2.8	2.6	2.2	1.8	1.3	0.5	19.5	65.2	133.4
138°	2.6	2.8	2.8	2.6	2.3	1.8	1.4	0.5	18.2	62.0	125.1
139°	2.6	2.8	2.8	2.6	2.3	1.8	1.4	0.5	17.0	59.0	117.6
140°	2.6	2.8	2.8	2.6	2.3	1.8	1.4	0.6	15.8	56.3	110.5
141°	2.6	2.8	2.8	2.6	2.3	1.9	1.4	0.6	14.6	54.0	103.7
142°	2.6	2.8	2.7	2.6	2.3	1.9	1.5	0.6	13.5	51.9	97.9
143°	2.6	2.7	2.7	2.6	2.3	1.9	1.5	0.6	12.3	50.2	93.1
144°	2.6	2.7	2.7	2.6	2.3	1.9	1.5	0.7	11.1	48.4	88.3
145°	2.6	2.7	2.7	2.6	2.3	1.9	1.6	0.7	10.1	46.2	83.5
146°	2.6	2.7	2.7	2.6	2.3	2.0	1.6	0.7	9.1	43.7	78.9
147°	2.5	2.7	2.7	2.5	2.3	2.0	1.6	0.7	8.0	40.9	74.7
148°	2.5	2.6	2.6	2.5	2.3	2.0	1.7	0.8	7.1	38.2	70.9
149°	2.5	2.6	2.6	2.5	2.3	2.0	1.7	0.8	6.3	35.8	67.2
150°	2.4	2.6	2.6	2.5	2.3	2.0	1.7	0.8	5.6	33.6	63.4
151°	2.4	2.5	2.5	2.4	2.3	2.0	1.8	0.9	4.9	31.3	59.5
152°	2.3	2.5	2.5	2.4	2.3	2.0	1.8	0.9	4.3	29.3	55.7
153°	2.3	2.4	2.4	2.4	2.2	2.0	1.8	0.9	3.6	27.2	52.0
154°	2.2	2.3	2.4	2.3	2.2	2.0	1.9	1.0	2.9	25.1	48.3
155°	2.2	2.3	2.3	2.3	2.2	2.0	1.9	1.0	2.2	23.0	44.6
156°	2.1	2.2	2.2	2.2	2.2	2.0	1.9	1.0	1.6	20.8	41.0
157°	2.1	2.1	2.2	2.2	2.1	2.0	1.9	1.1	1.1	18.6	37.4
158°	2.0	2.1	2.1	2.1	2.1	2.0	1.9	1.1	1.0	16.6	34.1
159°	1.9	2.0	2.0	2.1	2.1	2.0	2.0	1.1	1.0	14.7	30.9
160°	1.9	1.9	2.0	2.0	2.0	2.0	1.9	1.1	1.0	13.0	27.7
161°	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.2	1.0	11.3	24.7
162°	1.7	1.7	1.8	1.8	1.9	1.9	1.9	1.2	1.1	9.5	21.8
163°	1.7	1.7	1.7	1.7	1.8	1.8	1.9	1.2	1.1	7.8	19.0
164°	1.6	1.6	1.6	1.6	1.7	1.8	1.8	1.2	1.1	6.0	16.3
165°	1.5	1.5	1.5	1.5	1.6	1.7	1.8	1.3	1.2	4.3	14.0
166°	1.5	1.4	1.4	1.5	1.5	1.6	1.7	1.3	1.2	2.8	11.7
167°	1.4	1.4	1.3	1.4	1.5	1.6	1.7	1.3	1.2	1.6	9.4
168°	1.4	1.3	1.3	1.3	1.4	1.5	1.6	1.3	1.2	1.1	7.2
169°	1.3	1.2	1.2	1.2	1.3	1.5	1.6	1.3	1.2	1.1	4.9
170°	1.3	1.2	1.1	1.2	1.2	1.4	1.6	1.3	1.3	1.1	2.8
171°	1.3	1.2	1.1	1.1	1.2	1.4	1.5	1.4	1.3	1.2	1.3
172°	1.3	1.2	1.1	1.1	1.2	1.3	1.5	1.4	1.3	1.2	1.1
173°	1.3	1.1	1.1	1.1	1.2	1.3	1.4	1.4	1.3	1.2	1.1
174°	1.3	1.1	1.1	1.1	1.1	1.3	1.4	1.4	1.3	1.2	1.1
175°	1.2	1.1	1.0	1.0	1.1	1.2	1.4	1.4	1.4	1.3	1.2
176°	1.2	1.1	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.3	1.2
177°	1.2	1.1	1.0	1.0	1.1	1.2	1.3	1.5	1.4	1.3	1.2
178°	1.2	1.1	1.0	1.0	1.0	1.1	1.2	1.5	1.4	1.3	1.2
179°	1.2	1.1	1.0	1.0	1.0	1.1	1.2	1.5	1.5	1.4	1.3



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CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

REPORT NUMBER: P1444959

CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	721.9	721.9	721.9
1°	884.4	916.1	930.9
2°	1016.6	1036.3	1044.7
3°	1092.3	1143.3	1164.5
4°	1190.2	1220.2	1243.6
5°	1268.2	1319.6	1345.8
6°	1345.5	1389.8	1427.2
7°	1420.3	1490.2	1517.9
8°	1499.8	1581.2	1627.7
9°	1586.8	1688.7	1730.0
10°	1676.4	1790.2	1839.4
11°	1763.6	1887.5	1881.6
12°	1854.7	1936.2	1923.8
13°	1873.0	1983.2	1965.9
14°	1889.7	1940.8	1956.3
15°	1906.5	1900.8	1897.5
16°	1885.6	1885.7	1890.2
17°	1823.0	1854.0	1885.3
18°	1823.9	1899.3	1966.0
19°	1785.7	1976.0	2035.8
20°	1836.2	2046.8	2104.0
21°	1903.8	2104.6	2158.0
22°	1968.7	2156.4	2206.6
23°	2013.8	2188.3	2237.8
24°	2047.1	2222.9	2274.1
25°	2081.5	2263.6	2322.9
26°	2114.6	2307.2	2366.4
27°	2145.9	2334.7	2397.3
28°	2177.1	2364.0	2433.9
29°	2204.2	2402.1	2490.2
30°	2228.3	2439.7	2515.3
31°	2250.0	2469.6	2538.5
32°	2272.3	2492.6	2552.9
33°	2296.5	2507.3	2576.6
34°	2310.5	2542.8	2618.5
35°	2338.4	2573.8	2655.8
36°	2358.0	2605.1	2677.7
37°	2369.5	2624.5	2688.2
38°	2383.2	2656.8	2747.6
39°	2393.9	2672.0	2721.0
40°	2399.2	2686.5	2776.2
41°	2399.3	2733.8	2827.0
42°	2416.6	2732.7	2746.5
43°	2421.0	2736.1	2856.7
44°	2406.7	2744.8	2743.0

REPORT NUMBER: P1444959

CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	2421.7	2628.8	2568.7
46°	2400.7	2651.0	2956.0
47°	2345.0	2908.2	3088.4
48°	2394.9	2916.5	2803.9
49°	2464.0	2750.3	2821.7
50°	2434.4	2746.1	2858.9
51°	2430.4	2727.8	2772.8
52°	2423.9	2729.8	2991.5
53°	2367.9	2895.0	3128.1
54°	2397.7	2943.7	2990.1
55°	2457.4	2842.1	2949.0
56°	2457.5	2835.7	2998.9
57°	2466.9	2841.8	2919.2
58°	2460.4	2766.8	2867.8
59°	2422.4	2749.3	2912.9
60°	2404.6	2776.4	2887.6
61°	2404.8	2738.1	2831.9
62°	2401.5	2715.2	2862.3
63°	2381.9	2736.2	2821.0
64°	2385.6	2680.9	2758.4
65°	2369.3	2611.6	2700.8
66°	2325.3	2592.5	2692.8
67°	2286.1	2546.3	2629.9
68°	2263.4	2467.1	2567.2
69°	2222.8	2451.3	2569.4
70°	2179.8	2419.7	2513.9
71°	2150.5	2411.3	2531.0
72°	2126.0	2354.1	2422.9
73°	2091.0	2313.4	2424.1
74°	2041.8	2273.0	2362.4
75°	2004.5	2223.7	2318.5
76°	1953.2	2156.4	2246.2
77°	1903.5	2132.9	2227.8
78°	1864.5	2066.8	2165.4
79°	1804.3	2021.3	2117.8
80°	1757.2	1994.4	2083.4
81°	1731.1	1951.2	2038.8
82°	1665.4	1883.6	1966.3
83°	1618.3	1836.8	1921.8
84°	1594.5	1820.2	1909.7
85°	1528.3	1745.6	1831.8
86°	1476.7	1679.3	1762.8
87°	1453.1	1658.9	1740.5
88°	1385.5	1612.3	1696.1
89°	1329.4	1536.2	1616.1

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CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	1305.8	1498.6	1565.9
91°	1261.8	1469.0	1546.9
92°	1225.2	1412.8	1492.5
93°	1213.4	1374.5	1442.3
94°	1196.7	1367.8	1425.7
95°	1174.3	1348.5	1413.0
96°	1151.1	1322.2	1384.1
97°	1122.1	1296.3	1362.5
98°	1098.9	1265.1	1325.9
99°	1075.0	1245.9	1302.1
100°	1047.1	1220.4	1287.2
101°	1023.3	1192.3	1252.8
102°	998.6	1169.4	1228.4
103°	974.6	1144.7	1203.2
104°	946.7	1117.9	1178.1
105°	919.9	1090.5	1150.5
106°	893.1	1062.4	1122.2
107°	866.4	1034.4	1095.0
108°	836.8	1003.4	1064.4
109°	810.0	974.5	1033.5
110°	783.2	945.6	1003.2
111°	756.7	917.0	971.5
112°	731.1	888.4	938.9
113°	705.4	859.8	911.8
114°	680.8	831.7	884.7
115°	656.6	804.2	857.6
116°	632.8	778.1	830.1
117°	609.4	751.6	802.2
118°	586.7	725.6	775.8
119°	563.6	699.8	748.6
120°	541.8	674.2	722.1
121°	519.9	648.6	695.8
122°	498.8	624.8	669.7
123°	477.4	600.3	644.7
124°	456.4	575.8	620.1
125°	436.1	552.7	594.7
126°	415.7	529.6	570.0
127°	395.6	507.2	546.7
128°	376.2	484.6	523.4
129°	357.1	462.0	499.7
130°	338.2	440.3	476.7
131°	319.6	418.4	454.6
132°	301.2	397.2	432.3
133°	283.4	376.6	410.5
134°	265.7	356.4	389.7

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CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	248.7	336.2	369.3
136°	232.6	317.3	348.9
137°	216.9	298.3	328.9
138°	202.3	280.2	309.6
139°	188.8	261.8	291.2
140°	176.1	243.6	272.3
141°	163.5	224.9	253.3
142°	151.0	205.9	233.7
143°	138.9	187.4	214.1
144°	127.8	169.1	194.2
145°	117.2	151.6	174.5
146°	107.3	135.5	155.0
147°	98.6	121.3	136.0
148°	92.5	108.0	117.6
149°	86.4	97.2	102.2
150°	80.4	93.5	94.1
151°	77.0	90.0	93.0
152°	73.4	86.5	92.0
153°	69.0	82.3	87.4
154°	64.5	77.2	82.0
155°	60.0	71.7	76.2
156°	55.5	66.5	70.6
157°	51.5	61.6	65.3
158°	47.5	56.9	60.3
159°	43.6	52.4	55.6
160°	39.8	48.0	51.0
161°	36.2	43.7	46.5
162°	32.7	39.7	42.3
163°	29.4	35.9	38.3
164°	26.1	32.2	34.4
165°	22.6	28.6	30.8
166°	19.1	24.7	26.8
167°	15.9	20.7	22.6
168°	13.2	16.9	18.4
169°	10.5	13.9	15.1
170°	7.8	11.0	12.0
171°	5.0	8.2	9.0
172°	2.4	5.8	5.9
173°	1.1	3.4	2.9
174°	1.0	1.0	1.0
175°	1.1	1.0	0.9
176°	1.1	1.0	1.0
177°	1.1	1.0	1.0
178°	1.1	1.1	1.0
179°	1.2	1.1	1.0

REPORT NUMBER: P1444959

CATALOG NUMBER: CWP75 (45W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	1.1	1.1	1.1

(END OF REPORT)