

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: P1444957

Luminaire Tested: CWP75 (45W-3000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444957
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-3000K)
Description: COMPACT WALL PACK, 75W
SET TO 45W, 3000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5700 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U4 - G4

Input Watts (W): 44.1
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



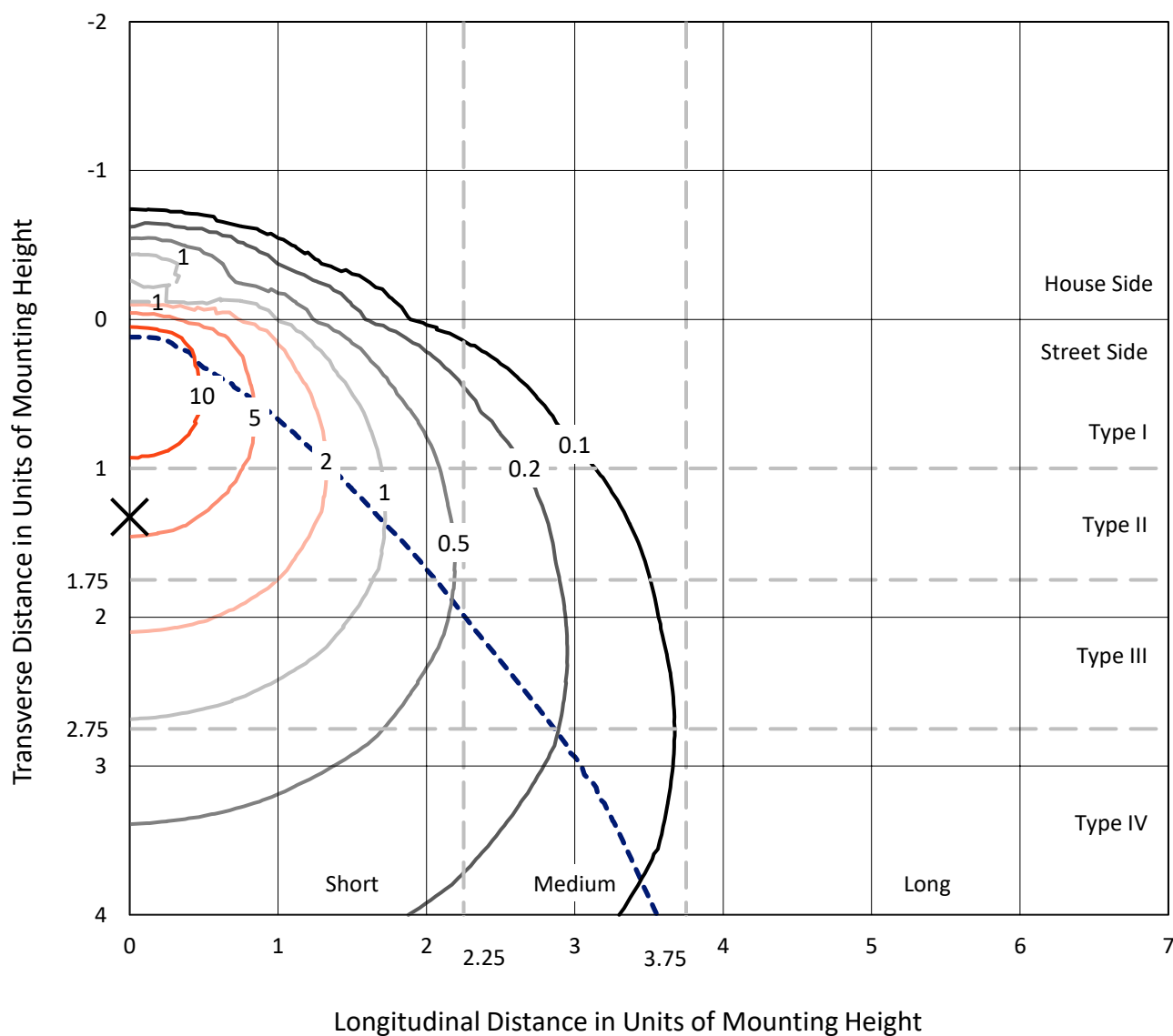
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



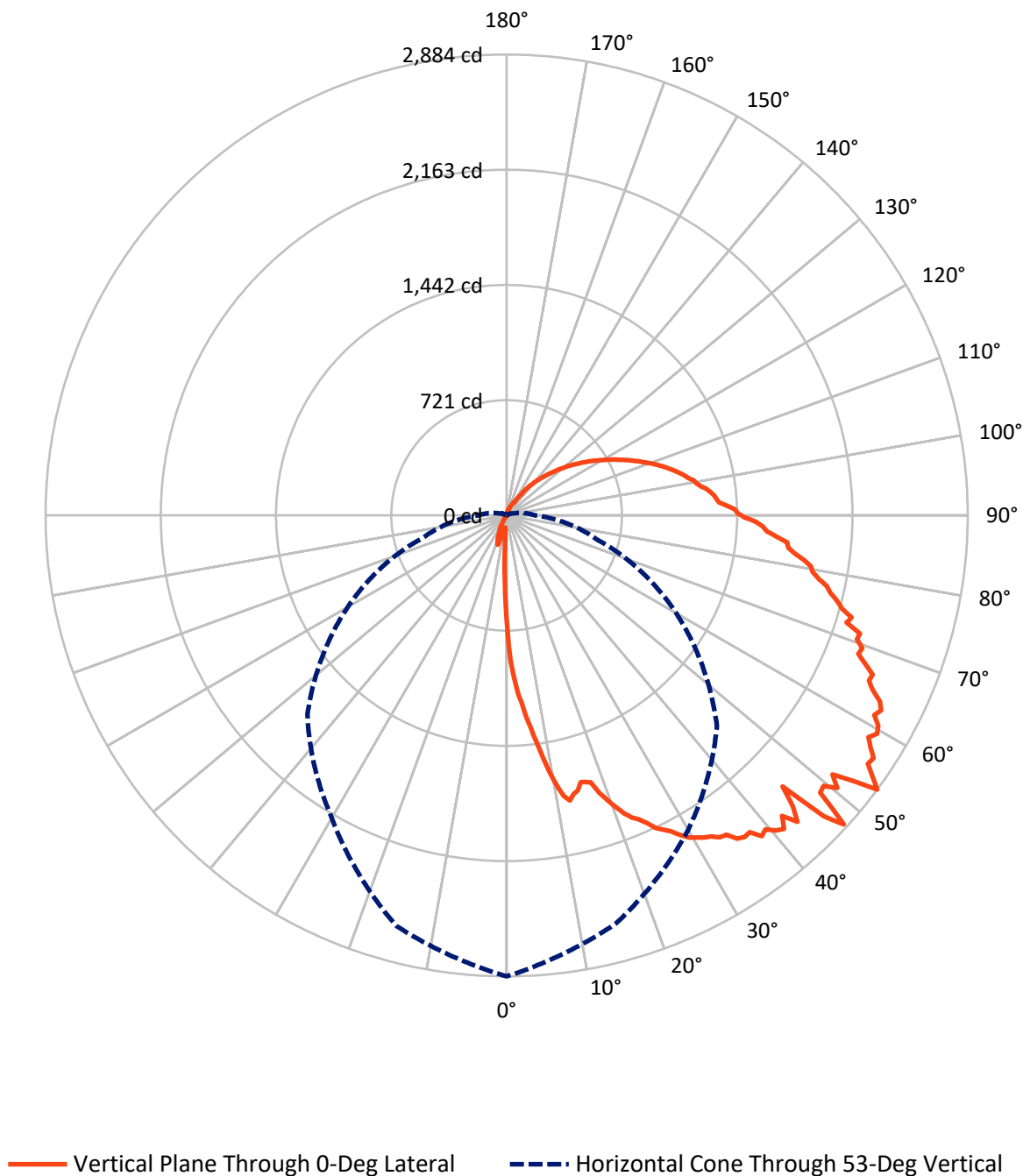
Based on 10 foot mounting height. Maximum calculated value = 16.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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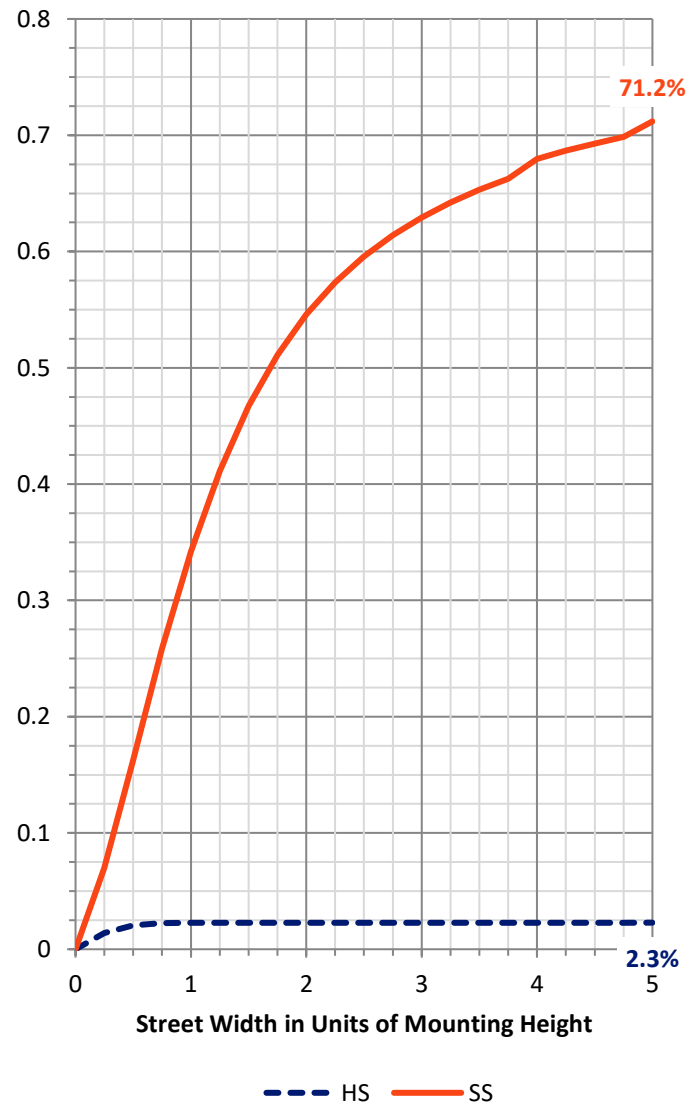
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	131.8	5.4	137.2
	% Fixture	2.3	0.1	2.4
Street Side	Lumens	4447.1	1115.7	5562.8
	% Fixture	78.0	19.6	97.6
Total	Lumens	4578.9	1121.1	5700.0
	% Fixture	80.3	19.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	1.2
10°-20°	230.0	4.0
20°-30°	397.9	7.0
30°-40°	553.9	9.7
40°-50°	666.5	11.7
50°-60°	741.2	13.0
60°-70°	743.4	13.0
70°-80°	659.3	11.6
80°-90°	518.6	9.1
90°-100°	395.7	6.9
100°-110°	299.4	5.3
110°-120°	201.9	3.5
120°-130°	122.1	2.1
130°-140°	64.0	1.1
140°-150°	26.2	0.5
150°-160°	9.3	0.2
160°-170°	2.3	0.0
170°-180°	0.2	0.0
0°-90°	4578.9	80.3
0°-180°	5700.0	100.0

Coefficient of Utilization



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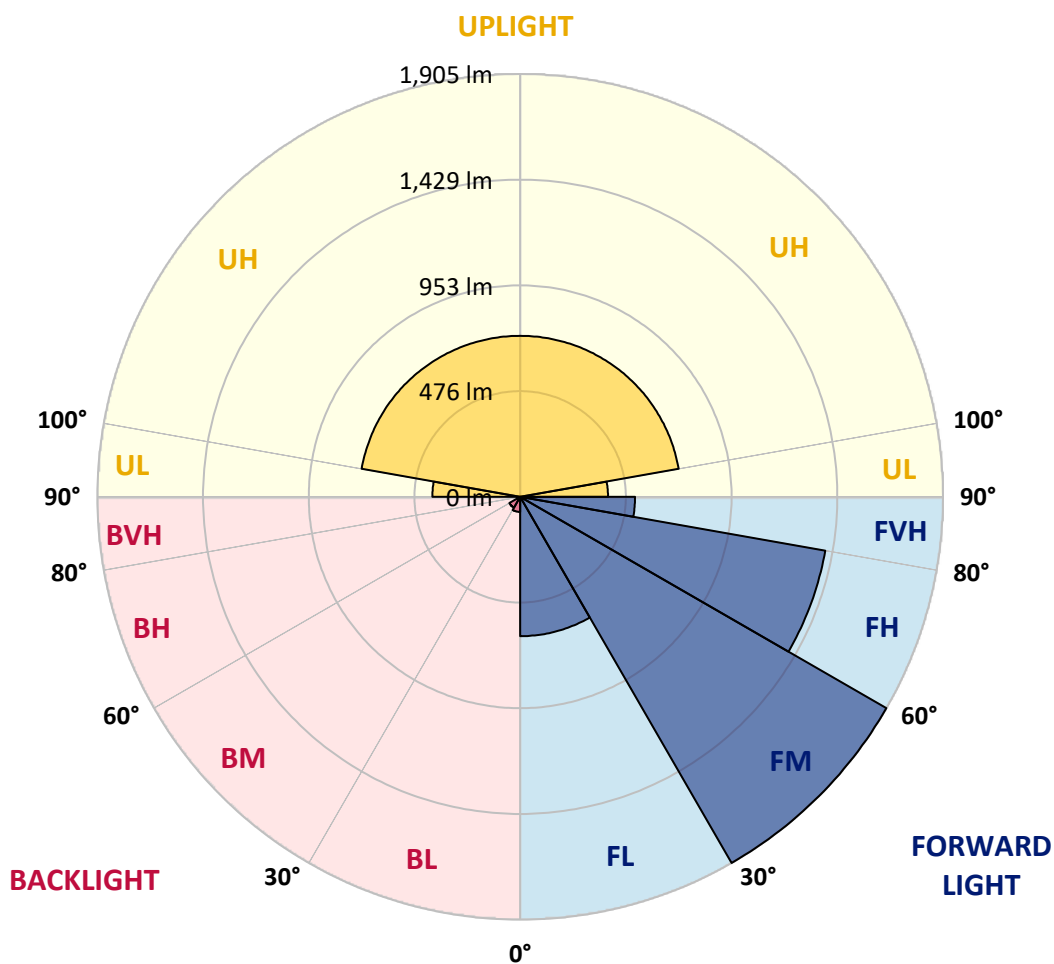
CATALOG NUMBER: CWP75 (45W-3000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	627.9	11.0			
FM	(30°-60°)	1905.4	33.4			
FH	(60°-80°)	1396.1	24.5			G1/1800
FVH	(80°-90°)	517.7	9.1			G4/750
BL	(0°-30°)	68.1	1.2	B0/110		
BM	(30°-60°)	56.2	1.0	B0/220		
BH	(60°-80°)	6.6	0.1	B0/110		G0/110
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	395.7	6.9		U3/500	
UH	(100°-180°)	725.4	12.7		U4/1000	

BUG Rating: B0-U4-G4

Type IV Short



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CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0
1°	904.6	906.1	894.0	868.4	834.8	793.6	703.0	664.7	625.6	590.1	568.5
2°	1002.4	1000.9	991.8	967.1	921.9	839.3	705.8	619.9	530.8	468.6	428.0
3°	1103.5	1092.1	1059.7	1017.3	982.4	887.2	705.6	566.7	450.9	360.9	324.6
4°	1171.5	1160.8	1141.3	1095.1	1010.1	923.8	701.7	515.5	375.7	280.2	221.1
5°	1262.5	1248.8	1209.8	1147.8	1054.9	959.0	702.7	474.9	306.7	199.5	119.0
6°	1340.1	1318.2	1281.8	1198.0	1112.8	979.9	695.0	434.6	237.7	120.4	89.5
7°	1431.8	1411.2	1351.6	1264.6	1140.0	991.5	694.2	393.5	169.2	92.4	80.1
8°	1528.1	1505.4	1434.1	1310.8	1167.6	1010.3	692.3	347.3	130.3	81.9	75.4
9°	1630.7	1606.1	1517.7	1377.2	1221.5	1025.0	682.6	299.0	101.8	77.0	75.1
10°	1718.4	1701.1	1602.9	1435.4	1252.4	1040.1	673.6	256.5	88.6	74.9	77.7
11°	1792.6	1778.4	1679.6	1508.4	1282.0	1063.3	669.2	224.4	82.2	75.7	81.8
12°	1827.5	1821.2	1744.7	1570.1	1320.6	1072.9	661.2	192.4	78.6	78.4	86.8
13°	1793.3	1831.3	1792.3	1628.0	1355.0	1081.8	651.4	167.7	76.6	82.0	91.5
14°	1778.3	1789.2	1815.8	1674.9	1385.9	1084.0	636.6	145.8	75.8	86.3	96.0
15°	1732.7	1752.8	1779.0	1726.4	1428.3	1076.9	619.6	125.8	76.2	91.2	104.8
16°	1739.2	1747.3	1757.9	1752.8	1462.4	1077.5	607.6	108.5	77.7	96.6	120.7
17°	1751.6	1726.1	1699.8	1761.5	1485.8	1081.3	593.9	94.8	80.1	103.2	143.8
18°	1832.9	1778.2	1702.5	1722.4	1511.4	1079.6	577.9	85.6	83.5	111.1	164.7
19°	1890.0	1842.7	1674.0	1687.8	1534.9	1074.3	562.9	79.7	87.0	121.6	177.8
20°	1946.9	1902.2	1727.2	1631.2	1545.1	1068.3	545.2	76.0	91.9	133.0	181.3
21°	2003.9	1961.6	1797.5	1596.4	1554.7	1063.1	535.0	73.5	96.9	143.4	177.9
22°	2046.8	2002.1	1857.1	1578.4	1552.0	1066.2	526.6	71.8	102.5	150.6	170.7
23°	2073.9	2037.6	1894.4	1559.5	1531.2	1076.5	511.1	70.7	108.5	153.9	159.5
24°	2114.9	2076.7	1930.9	1592.2	1503.0	1066.9	500.9	70.3	114.0	153.2	148.5
25°	2166.3	2114.2	1967.4	1635.2	1461.4	1068.2	490.0	70.7	118.5	150.0	137.0
26°	2197.2	2146.5	1998.1	1673.0	1423.1	1066.4	479.7	71.6	122.2	145.4	125.7
27°	2229.2	2180.2	2027.9	1704.5	1377.0	1070.1	474.5	73.4	124.7	139.3	116.0
28°	2275.0	2217.8	2058.6	1728.8	1331.6	1079.9	467.2	75.8	126.9	132.6	104.9
29°	2315.8	2254.1	2085.2	1744.0	1311.5	1074.4	453.4	78.7	126.5	124.7	95.0
30°	2340.1	2287.9	2104.8	1759.2	1281.5	1072.4	445.2	82.0	124.5	116.2	84.3
31°	2363.4	2318.9	2131.8	1773.9	1264.4	1068.3	436.5	85.7	121.9	107.0	74.3
32°	2381.0	2348.5	2153.8	1780.0	1276.1	1066.5	428.0	89.3	118.5	97.4	64.6
33°	2415.7	2367.3	2173.8	1788.4	1294.9	1065.9	412.5	92.7	114.1	88.5	55.6
34°	2424.9	2380.1	2195.7	1799.6	1308.4	1057.2	402.0	95.6	109.0	79.9	47.1
35°	2484.5	2404.2	2213.5	1809.2	1316.8	1038.1	390.2	98.1	103.5	71.8	39.3
36°	2502.5	2443.8	2220.3	1806.7	1322.3	1032.8	380.6	99.8	97.7	63.9	32.3
37°	2498.3	2450.7	2245.2	1811.6	1325.1	1011.9	367.8	100.8	91.7	56.4	26.3
38°	2563.3	2477.6	2260.5	1812.8	1322.4	994.0	353.6	101.2	85.4	49.4	23.0
39°	2546.3	2492.2	2261.6	1814.3	1317.3	971.1	341.9	100.8	79.1	42.1	19.6
40°	2594.1	2492.2	2273.1	1819.0	1315.4	944.0	331.6	99.6	73.3	35.8	16.3
41°	2618.6	2538.4	2270.4	1810.1	1311.7	916.9	319.4	97.6	67.6	30.2	13.4
42°	2549.8	2523.1	2276.0	1814.8	1312.6	881.9	307.4	94.8	61.9	25.6	11.1
43°	2642.9	2516.5	2300.0	1817.9	1306.6	852.8	296.0	91.4	56.7	21.1	9.5
44°	2555.8	2565.3	2279.9	1823.3	1307.3	819.0	286.8	87.8	51.4	16.6	7.4

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CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	2419.2	2452.5	2283.8	1824.2	1308.6	780.6	274.9	83.7	46.5	13.8	1.2
46°	2734.4	2420.5	2278.2	1827.7	1303.6	747.2	261.3	79.8	42.1	10.8	0.5
47°	2861.3	2676.2	2224.0	1826.2	1299.2	716.0	249.4	75.6	37.8	7.5	0.5
48°	2618.7	2711.9	2228.9	1826.8	1290.5	680.8	237.5	71.4	33.5	5.2	0.5
49°	2607.8	2558.5	2334.3	1829.9	1275.7	653.8	224.9	67.1	28.7	3.9	0.6
50°	2680.4	2558.9	2338.8	1804.6	1268.9	633.3	212.4	63.0	24.7	2.3	0.6
51°	2604.3	2576.5	2293.1	1804.4	1256.0	617.4	199.8	58.9	21.2	0.5	0.6
52°	2724.6	2524.2	2300.5	1850.2	1237.2	602.6	187.4	55.0	17.6	0.5	0.7
53°	2884.1	2643.2	2271.7	1860.0	1224.9	586.6	176.7	51.2	14.2	0.5	0.7
54°	2810.5	2737.7	2240.0	1839.8	1202.0	567.8	165.2	47.4	11.4	0.5	0.7
55°	2742.9	2678.9	2307.0	1829.4	1179.0	551.6	155.7	43.7	8.9	0.6	0.7
56°	2752.7	2638.9	2348.6	1821.4	1180.6	532.5	145.9	40.2	6.6	0.6	0.8
57°	2697.7	2636.1	2344.3	1808.7	1170.6	516.4	137.3	36.8	4.5	0.6	0.8
58°	2655.1	2586.4	2336.2	1822.6	1140.7	499.8	128.6	33.4	2.9	0.6	0.8
59°	2690.6	2562.8	2313.4	1827.3	1115.6	483.8	121.0	30.2	1.6	0.7	0.9
60°	2671.6	2592.7	2280.5	1820.8	1093.9	473.5	112.7	27.2	0.5	0.7	0.9
61°	2616.5	2566.5	2268.7	1799.6	1074.3	462.9	105.5	24.4	0.5	0.7	1.0
62°	2641.1	2521.4	2273.4	1777.0	1061.4	447.3	98.1	21.9	0.5	0.8	1.0
63°	2610.2	2539.1	2269.5	1758.5	1050.4	431.2	90.7	19.3	0.5	0.8	1.1
64°	2535.8	2499.8	2262.8	1741.1	1031.8	418.5	84.6	16.8	0.5	0.8	1.1
65°	2490.8	2426.3	2257.4	1720.8	1009.1	406.2	77.9	14.2	0.5	0.8	1.1
66°	2497.1	2407.7	2226.7	1707.6	984.8	396.4	71.7	11.7	0.5	0.9	1.2
67°	2428.1	2399.0	2171.9	1701.4	964.7	386.0	65.8	9.5	0.6	0.9	1.2
68°	2363.9	2311.8	2149.1	1679.1	945.0	373.3	60.0	7.3	0.6	0.9	1.3
69°	2375.8	2289.8	2112.7	1649.0	924.6	360.8	54.4	5.5	0.6	1.0	1.3
70°	2324.0	2266.4	2059.7	1622.3	908.3	348.0	48.6	3.8	0.6	1.0	1.3
71°	2330.9	2251.8	2044.9	1591.9	887.5	336.3	43.5	2.4	0.6	1.0	1.4
72°	2230.1	2193.9	2017.3	1556.6	862.1	326.1	38.8	1.3	0.7	1.1	1.4
73°	2250.3	2154.6	1999.2	1534.7	838.7	315.7	34.0	0.8	0.7	1.1	1.5
74°	2175.4	2131.0	1935.7	1509.5	813.2	303.9	29.4	0.6	0.7	1.1	1.5
75°	2135.2	2081.3	1908.9	1483.5	792.1	292.3	25.5	0.5	0.7	1.2	1.5
76°	2083.2	2034.4	1847.2	1455.1	771.3	279.7	22.1	0.5	0.7	1.2	1.6
77°	2052.3	2008.7	1803.6	1418.8	751.4	268.6	18.6	0.4	0.8	1.2	1.6
78°	1992.6	1940.7	1773.4	1379.5	729.2	258.0	15.2	0.4	0.8	1.3	1.7
79°	1946.2	1892.9	1712.8	1338.9	702.3	247.7	12.4	0.4	0.8	1.3	1.7
80°	1929.6	1847.9	1666.5	1299.5	677.7	236.2	9.9	0.4	0.8	1.3	1.8
81°	1880.1	1831.9	1633.3	1261.9	652.9	225.1	7.7	0.4	0.9	1.3	1.8
82°	1816.1	1769.2	1579.2	1234.3	629.9	214.8	5.8	0.4	0.9	1.4	1.8
83°	1771.9	1705.9	1524.9	1192.2	610.3	203.9	4.1	0.4	0.9	1.4	1.8
84°	1764.4	1702.7	1500.3	1151.8	583.1	194.8	2.7	0.5	0.9	1.4	1.9
85°	1692.1	1637.5	1457.7	1127.3	575.2	187.7	1.7	0.5	0.9	1.4	1.9
86°	1630.8	1578.8	1395.5	1072.6	547.3	178.4	1.0	0.5	0.9	1.5	1.9
87°	1605.0	1546.9	1369.3	1047.0	531.4	171.4	0.5	0.5	1.0	1.5	2.0
88°	1561.6	1505.0	1325.0	1006.2	511.6	164.6	0.3	0.5	1.0	1.5	2.0
89°	1489.7	1432.8	1260.8	968.1	496.9	159.0	0.2	0.5	1.0	1.5	2.0

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CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	1445.6	1393.3	1231.3	944.8	482.7	154.2	0.2	0.5	1.0	1.6	2.1
91°	1428.5	1373.8	1202.9	916.1	472.6	149.6	0.2	0.5	1.1	1.6	2.1
92°	1380.7	1327.0	1163.3	899.9	464.6	144.8	0.2	0.6	1.1	1.6	2.1
93°	1332.3	1285.9	1145.2	888.0	455.1	139.8	0.2	0.6	1.1	1.7	2.1
94°	1315.5	1273.4	1131.3	870.2	443.9	134.7	0.2	0.6	1.1	1.7	2.2
95°	1303.9	1257.0	1110.2	851.9	430.8	129.4	0.2	0.6	1.1	1.7	2.2
96°	1283.1	1235.3	1090.2	830.3	415.3	123.9	0.2	0.6	1.1	1.7	2.2
97°	1261.7	1215.2	1065.6	802.9	401.2	119.0	0.3	0.6	1.2	1.7	2.2
98°	1229.7	1184.8	1040.0	780.8	387.3	113.4	0.3	0.6	1.2	1.7	2.3
99°	1206.6	1162.5	1019.5	758.6	373.6	108.4	0.3	0.6	1.2	1.8	2.3
100°	1192.4	1146.0	994.6	736.2	361.3	103.8	0.3	0.7	1.2	1.8	2.3
101°	1163.8	1117.7	972.0	714.4	348.0	99.1	0.3	0.7	1.2	1.8	2.3
102°	1143.0	1097.3	950.7	691.6	334.4	94.3	0.3	0.7	1.2	1.8	2.3
103°	1120.9	1075.2	927.1	668.7	321.6	90.1	0.3	0.7	1.2	1.8	2.3
104°	1096.9	1051.6	902.9	645.9	309.2	85.8	0.3	0.7	1.3	1.8	2.3
105°	1073.0	1026.6	878.6	622.2	296.9	81.6	0.3	0.7	1.3	1.8	2.3
106°	1047.7	1000.5	854.4	598.4	283.9	77.9	0.3	0.7	1.3	1.8	2.3
107°	1022.2	975.3	828.5	575.5	271.9	74.3	0.3	0.7	1.3	1.8	2.3
108°	995.7	948.4	801.4	553.0	260.6	71.1	0.3	0.7	1.3	1.8	2.3
109°	967.2	921.1	775.1	531.3	249.8	68.2	0.3	0.7	1.3	1.8	2.3
110°	939.2	894.6	749.5	509.8	239.5	65.4	0.3	0.7	1.3	1.8	2.3
111°	912.8	868.1	724.3	489.0	229.8	62.9	0.3	0.7	1.3	1.8	2.3
112°	886.4	841.6	699.5	469.0	220.3	60.5	0.3	0.7	1.3	1.8	2.3
113°	860.0	814.2	675.4	449.3	210.5	58.0	0.3	0.7	1.3	1.8	2.3
114°	832.5	788.5	652.2	430.7	200.7	55.3	0.3	0.7	1.2	1.8	2.2
115°	806.9	762.9	629.2	411.9	191.2	52.6	0.4	0.7	1.2	1.7	2.2
116°	781.1	737.8	606.4	394.2	182.1	49.8	0.4	0.8	1.2	1.7	2.2
117°	755.3	713.1	584.2	376.6	173.8	47.2	0.4	0.8	1.2	1.7	2.2
118°	730.9	688.5	562.4	359.9	166.4	44.7	0.4	0.8	1.2	1.7	2.2
119°	705.8	664.4	540.7	343.8	159.2	41.9	0.4	0.8	1.2	1.7	2.2
120°	681.6	641.1	519.9	327.6	151.6	38.9	0.4	0.8	1.2	1.7	2.1
121°	657.3	616.7	499.8	312.4	144.2	36.3	0.4	0.8	1.2	1.7	2.1
122°	633.0	593.8	479.3	297.3	136.7	34.3	0.4	0.8	1.2	1.7	2.1
123°	609.9	571.4	459.0	282.0	129.5	32.6	0.4	0.8	1.2	1.7	2.1
124°	586.8	548.7	439.2	267.4	122.0	31.1	0.4	0.8	1.3	1.7	2.1
125°	562.7	525.8	419.8	254.0	114.8	30.0	0.4	0.8	1.3	1.7	2.1
126°	539.6	504.8	400.2	242.1	108.2	28.9	0.4	0.8	1.3	1.7	2.1
127°	518.3	483.3	381.0	230.6	102.4	27.7	0.5	0.8	1.3	1.7	2.1
128°	495.8	461.8	362.5	219.0	97.4	26.6	0.5	0.8	1.3	1.7	2.1
129°	473.9	440.5	344.3	207.7	92.8	25.7	0.5	0.9	1.3	1.7	2.1
130°	452.3	419.6	326.1	196.8	89.9	25.0	0.5	0.9	1.3	1.8	2.2
131°	431.6	399.6	308.6	186.8	87.0	24.3	0.5	0.9	1.3	1.8	2.2
132°	410.7	379.0	291.1	176.3	84.1	23.7	0.5	0.9	1.3	1.8	2.2
133°	390.4	359.6	273.5	166.6	80.1	23.0	0.6	0.9	1.3	1.8	2.2
134°	370.0	340.2	257.0	156.8	75.7	22.0	0.6	0.9	1.4	1.8	2.2

REPORT NUMBER: P1444957

CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	349.9	321.0	240.9	147.7	71.4	21.0	0.6	1.0	1.4	1.8	2.2
136°	331.2	302.3	225.3	138.7	67.6	20.0	0.6	1.0	1.4	1.8	2.2
137°	312.3	284.9	210.6	130.3	64.0	19.0	0.7	1.0	1.4	1.8	2.2
138°	294.6	267.3	196.2	122.2	60.7	17.8	0.7	1.0	1.4	1.8	2.2
139°	276.5	250.0	183.0	114.8	57.7	16.8	0.7	1.1	1.4	1.8	2.2
140°	258.4	232.4	170.8	107.8	54.9	15.8	0.7	1.1	1.4	1.8	2.2
141°	240.5	215.2	158.7	101.1	52.5	14.8	0.8	1.1	1.5	1.8	2.2
142°	221.9	197.0	146.8	95.0	50.3	13.8	0.8	1.1	1.5	1.9	2.2
143°	202.9	179.3	135.2	90.0	48.4	12.7	0.8	1.1	1.5	1.9	2.2
144°	184.0	162.0	124.6	85.0	46.8	11.7	0.9	1.2	1.5	1.9	2.2
145°	165.4	145.6	114.5	80.0	44.8	10.8	0.9	1.2	1.5	1.9	2.2
146°	146.4	130.3	104.9	75.3	42.1	9.8	0.9	1.2	1.5	1.8	2.1
147°	128.8	116.5	96.4	71.1	39.1	8.8	1.0	1.2	1.5	1.8	2.1
148°	111.3	103.6	89.7	67.5	35.9	7.8	1.0	1.3	1.6	1.8	2.1
149°	96.4	92.9	83.1	64.4	33.0	6.8	1.0	1.3	1.6	1.8	2.1
150°	92.8	89.0	76.5	61.1	30.4	6.0	1.1	1.3	1.6	1.8	2.1
151°	89.4	85.1	73.2	57.7	28.2	5.4	1.1	1.3	1.6	1.8	2.0
152°	85.9	81.1	70.2	54.1	26.1	4.8	1.1	1.3	1.6	1.8	2.0
153°	81.6	77.6	66.4	50.6	24.1	4.2	1.2	1.3	1.6	1.8	2.0
154°	76.6	72.9	62.1	47.1	22.3	3.5	1.2	1.4	1.6	1.7	1.9
155°	71.2	67.8	57.7	43.3	20.5	2.9	1.2	1.4	1.5	1.7	1.9
156°	65.9	62.8	53.4	39.2	18.8	2.2	1.2	1.4	1.5	1.7	1.8
157°	61.0	58.1	49.3	35.2	17.2	1.7	1.3	1.4	1.5	1.7	1.8
158°	56.3	53.7	45.5	31.4	15.7	1.2	1.3	1.4	1.5	1.7	1.8
159°	51.9	49.5	41.8	27.8	14.3	1.2	1.3	1.4	1.5	1.6	1.7
160°	47.6	45.4	38.1	24.6	12.9	1.2	1.3	1.4	1.5	1.6	1.7
161°	43.4	41.3	34.3	21.8	11.5	1.2	1.4	1.4	1.5	1.6	1.6
162°	39.5	37.5	30.5	19.3	10.1	1.2	1.4	1.4	1.5	1.6	1.6
163°	35.8	33.9	26.8	17.1	8.5	1.2	1.4	1.4	1.5	1.5	1.6
164°	32.2	30.5	23.3	15.1	6.9	1.2	1.4	1.4	1.5	1.5	1.5
165°	28.8	27.1	20.1	13.4	5.2	1.2	1.4	1.4	1.5	1.5	1.5
166°	25.2	23.5	17.2	11.8	3.7	1.3	1.4	1.4	1.5	1.5	1.4
167°	21.2	19.6	14.7	10.0	2.4	1.3	1.4	1.4	1.5	1.5	1.4
168°	17.4	16.0	12.7	7.9	1.5	1.3	1.4	1.5	1.5	1.4	1.4
169°	14.2	13.2	10.7	5.8	1.2	1.3	1.4	1.5	1.5	1.4	1.4
170°	11.3	10.5	8.1	3.6	1.2	1.3	1.5	1.5	1.4	1.4	1.3
171°	8.4	7.8	5.5	1.9	1.2	1.3	1.5	1.5	1.4	1.4	1.3
172°	5.6	5.0	2.9	1.1	1.2	1.3	1.5	1.5	1.4	1.4	1.3
173°	2.7	2.3	1.2	1.1	1.2	1.3	1.5	1.5	1.4	1.4	1.3
174°	1.0	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.4	1.4	1.3
175°	0.9	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.4	1.4	1.3
176°	0.9	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.4	1.3	1.3
177°	0.9	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.4	1.3	1.2
178°	1.0	0.9	1.0	1.0	1.1	1.2	1.4	1.4	1.4	1.3	1.2
179°	1.0	0.9	1.0	1.0	1.1	1.2	1.4	1.4	1.4	1.3	1.2



REPORT NUMBER: P1444957
CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

REPORT NUMBER: P1444957

CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0	733.0
1°	558.1	558.8	576.2	605.9	641.0	678.2	718.1	709.2	749.7	791.8	834.2
2°	406.2	404.4	420.7	452.6	506.3	583.4	676.9	708.8	789.1	879.8	946.9
3°	279.6	274.9	290.0	344.3	401.4	495.4	633.5	709.8	838.1	956.4	1001.3
4°	153.5	146.9	160.6	235.9	312.6	420.6	578.2	707.3	881.0	990.6	1071.0
5°	98.8	95.9	101.7	128.9	223.8	338.6	526.3	702.5	917.2	1019.0	1128.5
6°	82.7	81.5	83.4	92.2	135.6	277.2	485.4	705.3	950.2	1076.3	1165.8
7°	76.2	75.7	76.4	80.6	98.4	215.7	444.9	697.8	966.5	1117.7	1234.6
8°	74.8	75.0	74.3	75.2	84.0	154.5	405.4	691.7	974.3	1139.4	1284.1
9°	77.4	78.5	76.7	74.1	78.1	118.6	364.1	685.2	986.7	1175.0	1348.4
10°	82.0	83.6	80.8	76.0	74.6	95.9	315.6	671.8	994.3	1215.8	1402.6
11°	87.5	88.8	86.1	79.9	74.0	85.6	270.8	664.4	1009.5	1234.4	1458.7
12°	91.1	91.3	90.5	84.7	75.7	79.6	238.5	648.7	1022.9	1255.5	1519.4
13°	94.0	93.6	93.5	89.7	78.9	76.0	206.2	642.4	1020.1	1290.0	1575.1
14°	102.8	105.6	102.1	93.9	82.6	73.7	174.0	628.1	1023.1	1312.3	1615.0
15°	125.2	133.9	122.1	100.2	87.1	72.7	151.7	617.2	1020.6	1347.6	1662.1
16°	159.4	171.5	153.6	112.9	92.1	72.5	130.1	600.2	1016.1	1375.4	1685.5
17°	185.7	191.3	180.2	131.4	97.3	73.8	111.9	587.3	1015.6	1399.1	1692.0
18°	194.0	189.1	189.8	152.1	104.4	76.1	96.9	573.4	1010.8	1417.5	1655.3
19°	187.7	182.2	184.8	164.8	112.5	79.7	85.9	564.4	1006.7	1431.4	1618.7
20°	180.6	169.2	177.8	171.5	122.3	84.0	78.0	550.1	1011.0	1447.0	1568.3
21°	167.2	157.1	165.5	171.0	130.3	89.1	72.7	537.9	1011.2	1459.3	1537.6
22°	154.3	143.5	153.6	165.2	137.2	94.4	69.5	527.0	1009.0	1455.2	1512.4
23°	141.6	129.7	141.2	156.0	141.4	99.8	66.9	516.2	1005.3	1442.6	1494.3
24°	129.4	119.8	127.8	145.4	141.7	104.6	64.9	509.4	1004.5	1416.0	1531.6
25°	118.7	108.4	117.7	134.2	139.3	109.1	64.0	500.5	1010.7	1365.4	1571.7
26°	108.1	98.2	106.8	122.9	135.9	112.6	63.7	491.5	1009.1	1335.4	1611.6
27°	98.5	89.3	97.2	112.0	131.0	115.3	64.1	484.9	1009.8	1288.1	1644.3
28°	88.7	78.8	87.4	101.6	124.7	116.9	65.2	476.4	1007.1	1253.5	1662.4
29°	78.9	69.3	77.0	91.2	117.6	117.0	66.8	467.3	1013.1	1239.8	1676.6
30°	68.4	57.1	67.2	81.2	110.3	116.0	69.3	458.0	1009.1	1205.8	1690.3
31°	55.9	43.4	55.4	71.8	102.5	114.2	71.9	447.1	1001.8	1195.0	1700.7
32°	44.8	31.5	44.2	63.2	94.4	111.2	74.5	434.7	994.8	1211.7	1711.8
33°	35.6	27.6	35.0	54.4	85.5	107.0	77.3	427.6	982.5	1230.1	1722.3
34°	29.3	25.2	28.6	46.2	76.9	101.9	79.8	416.8	974.2	1241.8	1724.5
35°	24.3	22.6	24.7	38.4	68.7	96.7	82.0	409.7	961.5	1251.3	1729.1
36°	21.5	20.0	21.6	32.2	61.1	91.4	83.6	397.3	945.1	1254.3	1731.4
37°	18.6	17.4	18.6	26.5	53.9	85.8	84.9	385.9	929.8	1251.9	1731.6
38°	15.8	14.8	15.6	22.8	47.4	79.9	85.3	372.5	911.6	1246.8	1737.3
39°	13.8	13.2	13.5	19.2	40.6	74.2	85.2	363.8	893.8	1244.4	1735.1
40°	12.4	10.2	12.1	15.6	34.2	68.6	84.6	351.4	865.3	1242.8	1733.9
41°	9.4	1.5	9.2	12.8	28.9	63.3	83.0	339.6	835.0	1241.4	1736.6
42°	1.2	0.5	1.3	10.3	24.5	58.1	81.0	327.5	806.3	1240.0	1741.0
43°	0.5	0.5	0.5	8.6	20.1	53.2	78.9	314.8	775.2	1239.4	1737.9
44°	0.5	0.6	0.6	6.5	15.7	48.4	76.4	302.5	738.1	1236.2	1745.2

REPORT NUMBER: P1444957

CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.6	0.6	0.6	1.3	12.8	44.1	73.5	285.2	708.3	1234.0	1746.5
46°	0.6	0.6	0.6	0.6	10.1	39.9	70.6	272.5	681.9	1228.7	1745.4
47°	0.6	0.7	0.6	0.6	7.2	35.9	67.6	257.6	645.0	1223.5	1747.1
48°	0.6	0.7	0.7	0.6	4.8	32.1	64.1	245.6	617.9	1215.6	1753.5
49°	0.7	0.7	0.7	0.6	3.5	27.9	60.5	229.5	599.9	1205.4	1735.7
50°	0.7	0.8	0.7	0.7	2.1	24.2	57.0	215.6	587.2	1191.9	1722.9
51°	0.7	0.8	0.8	0.7	0.6	20.5	53.1	200.8	572.5	1179.0	1744.2
52°	0.8	0.8	0.8	0.7	0.6	16.8	49.5	187.3	557.5	1167.8	1767.8
53°	0.8	0.9	0.9	0.8	0.6	13.8	45.9	175.5	541.4	1146.5	1762.0
54°	0.9	0.9	0.9	0.8	0.6	11.2	42.4	163.4	523.7	1129.3	1747.8
55°	0.9	0.9	0.9	0.8	0.6	8.7	39.2	152.2	506.8	1119.0	1738.6
56°	0.9	1.0	1.0	0.8	0.7	6.5	35.9	142.3	490.4	1108.2	1726.3
57°	1.0	1.0	1.0	0.9	0.7	4.4	32.8	131.2	476.1	1083.9	1718.4
58°	1.0	1.1	1.0	0.9	0.7	2.8	29.7	122.8	464.1	1062.2	1735.2
59°	1.0	1.1	1.1	0.9	0.7	1.6	27.0	114.6	452.7	1040.3	1738.1
60°	1.1	1.2	1.1	1.0	0.8	0.6	24.3	106.0	439.9	1025.2	1717.1
61°	1.1	1.2	1.2	1.0	0.8	0.6	21.9	98.9	426.4	1013.3	1693.1
62°	1.2	1.3	1.2	1.1	0.8	0.6	19.6	93.4	412.7	998.7	1677.0
63°	1.2	1.3	1.3	1.1	0.9	0.6	17.2	87.2	399.8	984.4	1658.6
64°	1.3	1.4	1.3	1.2	0.9	0.6	15.2	81.0	389.4	967.0	1652.9
65°	1.3	1.4	1.4	1.2	0.9	0.6	13.2	74.7	378.6	945.0	1633.5
66°	1.4	1.5	1.4	1.2	1.0	0.6	11.0	67.8	367.6	924.9	1618.0
67°	1.4	1.5	1.5	1.3	1.0	0.6	8.9	62.7	356.5	905.3	1602.7
68°	1.5	1.6	1.5	1.3	1.0	0.6	7.0	57.9	344.3	886.0	1577.5
69°	1.5	1.6	1.6	1.4	1.0	0.7	5.3	52.0	333.2	868.8	1555.7
70°	1.6	1.7	1.6	1.4	1.1	0.7	3.8	47.0	321.6	848.0	1531.8
71°	1.6	1.7	1.7	1.5	1.1	0.7	2.5	42.7	311.6	827.2	1501.7
72°	1.7	1.8	1.7	1.5	1.1	0.7	1.5	38.4	301.2	806.0	1472.1
73°	1.7	1.8	1.8	1.5	1.2	0.7	0.9	34.2	290.4	781.1	1446.5
74°	1.8	1.9	1.8	1.6	1.2	0.8	0.7	30.6	279.9	758.9	1422.8
75°	1.8	1.9	1.9	1.6	1.2	0.8	0.6	27.2	267.8	737.2	1393.8
76°	1.9	2.0	1.9	1.7	1.3	0.8	0.5	23.8	257.0	716.0	1367.1
77°	1.9	2.0	1.9	1.7	1.3	0.8	0.5	20.6	246.3	695.7	1327.7
78°	1.9	2.1	2.0	1.7	1.3	0.8	0.5	17.8	235.9	670.3	1289.4
79°	2.0	2.1	2.0	1.8	1.4	0.9	0.5	15.2	225.5	647.3	1253.9
80°	2.0	2.2	2.1	1.8	1.4	0.9	0.5	12.7	214.4	623.5	1205.6
81°	2.1	2.2	2.1	1.9	1.4	0.9	0.5	10.3	204.2	599.0	1183.1
82°	2.1	2.2	2.2	1.9	1.4	0.9	0.5	8.3	194.8	583.4	1147.6
83°	2.1	2.2	2.2	1.9	1.5	0.9	0.5	6.3	185.3	558.3	1105.8
84°	2.2	2.3	2.2	1.9	1.5	0.9	0.5	4.6	178.0	547.5	1086.5
85°	2.2	2.3	2.2	1.9	1.5	1.0	0.5	3.2	169.2	522.4	1036.7
86°	2.2	2.3	2.3	2.0	1.5	1.0	0.5	2.0	162.4	507.6	1008.8
87°	2.3	2.4	2.3	2.0	1.5	1.0	0.5	1.1	155.4	486.3	974.8
88°	2.3	2.4	2.3	2.1	1.6	1.0	0.5	0.6	150.5	471.3	933.5
89°	2.3	2.5	2.4	2.1	1.6	1.0	0.6	0.3	145.7	457.7	908.6

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CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	2.4	2.5	2.4	2.1	1.6	1.0	0.6	0.2	141.6	447.9	882.6
91°	2.4	2.5	2.5	2.1	1.6	1.1	0.6	0.2	137.4	440.2	860.5
92°	2.4	2.6	2.5	2.2	1.7	1.1	0.6	0.2	133.0	432.2	850.2
93°	2.5	2.6	2.5	2.2	1.7	1.1	0.6	0.2	128.5	422.9	837.4
94°	2.5	2.6	2.5	2.2	1.7	1.1	0.6	0.2	123.4	410.8	820.8
95°	2.5	2.7	2.6	2.2	1.7	1.1	0.6	0.2	118.2	397.3	802.2
96°	2.6	2.7	2.6	2.3	1.7	1.1	0.6	0.2	113.9	383.8	778.2
97°	2.6	2.7	2.6	2.3	1.8	1.2	0.7	0.2	108.6	370.8	756.1
98°	2.6	2.7	2.7	2.3	1.8	1.2	0.7	0.2	104.2	358.2	735.6
99°	2.6	2.8	2.7	2.3	1.8	1.2	0.7	0.2	99.9	346.7	714.5
100°	2.6	2.8	2.7	2.4	1.8	1.2	0.7	0.2	95.5	334.8	694.8
101°	2.7	2.8	2.7	2.4	1.8	1.2	0.7	0.2	91.2	322.2	674.3
102°	2.7	2.8	2.7	2.4	1.8	1.2	0.7	0.2	86.8	310.1	653.0
103°	2.7	2.8	2.8	2.4	1.9	1.3	0.7	0.2	82.5	298.2	631.8
104°	2.7	2.9	2.8	2.4	1.9	1.3	0.8	0.2	78.8	287.0	609.9
105°	2.7	2.9	2.8	2.4	1.9	1.3	0.8	0.2	75.3	275.1	587.1
106°	2.7	2.9	2.8	2.4	1.9	1.3	0.8	0.2	71.8	263.7	565.9
107°	2.7	2.8	2.8	2.4	1.9	1.3	0.8	0.2	68.7	253.3	544.8
108°	2.7	2.8	2.7	2.4	1.9	1.3	0.8	0.2	66.0	243.4	523.4
109°	2.7	2.8	2.7	2.4	1.9	1.3	0.8	0.2	63.3	233.6	503.8
110°	2.7	2.8	2.8	2.4	1.9	1.3	0.8	0.2	60.8	224.3	483.8
111°	2.7	2.9	2.8	2.4	1.9	1.3	0.8	0.2	58.5	215.1	464.1
112°	2.7	2.8	2.7	2.4	1.9	1.3	0.8	0.2	56.0	206.1	445.6
113°	2.6	2.8	2.7	2.4	1.8	1.3	0.8	0.2	53.4	196.9	426.6
114°	2.6	2.7	2.6	2.3	1.8	1.3	0.8	0.2	50.9	187.7	407.9
115°	2.5	2.7	2.6	2.3	1.8	1.3	0.8	0.2	48.2	178.6	390.8
116°	2.5	2.7	2.6	2.3	1.8	1.3	0.9	0.2	45.7	170.7	373.6
117°	2.5	2.7	2.6	2.3	1.8	1.3	0.9	0.2	43.4	163.3	357.4
118°	2.5	2.6	2.6	2.3	1.8	1.3	0.9	0.3	40.8	156.3	341.8
119°	2.5	2.6	2.6	2.3	1.8	1.3	0.9	0.3	38.2	149.4	325.7
120°	2.5	2.6	2.6	2.3	1.8	1.3	0.9	0.3	35.6	142.5	310.6
121°	2.5	2.6	2.6	2.3	1.8	1.4	0.9	0.3	33.4	135.3	296.2
122°	2.5	2.6	2.6	2.3	1.8	1.4	0.9	0.3	31.6	128.2	282.2
123°	2.4	2.6	2.6	2.3	1.9	1.4	1.0	0.3	30.2	121.1	267.5
124°	2.5	2.6	2.6	2.3	1.9	1.4	1.0	0.3	29.0	114.1	254.4
125°	2.5	2.6	2.6	2.3	1.9	1.4	1.0	0.3	28.0	107.6	242.0
126°	2.5	2.6	2.6	2.3	1.9	1.5	1.0	0.3	27.0	101.5	231.0
127°	2.4	2.6	2.6	2.3	1.9	1.5	1.0	0.3	25.9	96.0	219.6
128°	2.5	2.6	2.6	2.3	2.0	1.5	1.1	0.3	24.9	92.4	208.2
129°	2.5	2.6	2.6	2.4	2.0	1.5	1.1	0.4	24.2	88.7	197.4
130°	2.5	2.6	2.6	2.4	2.0	1.6	1.1	0.4	23.6	85.0	187.0
131°	2.5	2.6	2.6	2.4	2.0	1.6	1.1	0.4	23.0	82.4	176.9
132°	2.5	2.6	2.6	2.4	2.0	1.6	1.2	0.4	22.4	78.6	166.9
133°	2.5	2.6	2.6	2.4	2.1	1.6	1.2	0.4	21.6	74.1	157.6
134°	2.5	2.6	2.6	2.4	2.1	1.6	1.2	0.4	20.6	69.7	148.5

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CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	2.4	2.6	2.6	2.4	2.1	1.7	1.2	0.4	19.7	65.9	139.8
136°	2.4	2.6	2.6	2.4	2.1	1.7	1.2	0.5	18.8	62.4	131.1
137°	2.4	2.6	2.6	2.4	2.1	1.7	1.3	0.5	17.7	59.3	122.5
138°	2.4	2.6	2.6	2.4	2.1	1.7	1.3	0.5	16.5	56.4	114.9
139°	2.4	2.6	2.6	2.4	2.1	1.7	1.3	0.5	15.4	53.5	107.9
140°	2.4	2.6	2.6	2.4	2.1	1.7	1.3	0.5	14.4	51.1	101.3
141°	2.4	2.6	2.6	2.4	2.1	1.7	1.4	0.6	13.3	49.0	95.0
142°	2.4	2.5	2.5	2.4	2.1	1.8	1.4	0.6	12.2	47.1	90.1
143°	2.4	2.5	2.5	2.4	2.1	1.8	1.4	0.6	11.2	45.5	85.3
144°	2.4	2.5	2.5	2.4	2.1	1.8	1.4	0.6	10.2	43.9	80.5
145°	2.4	2.5	2.5	2.4	2.1	1.8	1.5	0.6	9.2	41.9	76.3
146°	2.4	2.5	2.5	2.4	2.1	1.8	1.5	0.7	8.2	39.7	72.0
147°	2.3	2.5	2.5	2.4	2.1	1.9	1.5	0.7	7.4	37.1	68.1
148°	2.3	2.4	2.4	2.4	2.1	1.9	1.6	0.7	6.5	34.8	64.7
149°	2.3	2.4	2.4	2.3	2.1	1.9	1.6	0.7	5.8	32.6	61.4
150°	2.3	2.4	2.4	2.3	2.1	1.9	1.6	0.8	5.1	30.6	58.2
151°	2.2	2.3	2.3	2.3	2.1	1.9	1.7	0.8	4.5	28.6	54.8
152°	2.2	2.3	2.3	2.2	2.1	1.9	1.7	0.8	3.9	26.8	51.3
153°	2.1	2.2	2.3	2.2	2.1	1.9	1.7	0.9	3.3	25.0	47.9
154°	2.1	2.2	2.2	2.2	2.1	1.9	1.7	0.9	2.6	23.1	44.6
155°	2.0	2.1	2.1	2.1	2.1	1.9	1.8	0.9	2.0	21.1	41.2
156°	2.0	2.0	2.1	2.1	2.0	1.9	1.8	1.0	1.4	19.2	37.9
157°	1.9	2.0	2.0	2.0	2.0	1.9	1.8	1.0	1.0	17.2	34.7
158°	1.9	1.9	2.0	2.0	2.0	1.9	1.8	1.0	0.9	15.4	31.6
159°	1.8	1.9	1.9	1.9	1.9	1.9	1.8	1.0	0.9	13.7	28.7
160°	1.8	1.8	1.8	1.9	1.9	1.9	1.8	1.1	1.0	12.1	25.8
161°	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.1	1.0	10.6	23.1
162°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.1	1.0	8.9	20.4
163°	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.1	1.0	7.3	17.8
164°	1.5	1.5	1.5	1.5	1.6	1.7	1.7	1.1	1.0	5.6	15.3
165°	1.5	1.4	1.4	1.4	1.5	1.6	1.7	1.2	1.1	4.0	13.1
166°	1.4	1.3	1.3	1.4	1.4	1.5	1.6	1.2	1.1	2.6	11.0
167°	1.3	1.3	1.3	1.3	1.4	1.5	1.6	1.2	1.1	1.5	8.9
168°	1.3	1.2	1.2	1.2	1.3	1.4	1.5	1.2	1.1	1.1	6.7
169°	1.3	1.2	1.1	1.1	1.2	1.4	1.5	1.2	1.2	1.1	4.6
170°	1.2	1.1	1.1	1.1	1.2	1.3	1.5	1.2	1.2	1.1	2.6
171°	1.2	1.1	1.1	1.1	1.1	1.3	1.4	1.3	1.2	1.1	1.2
172°	1.2	1.1	1.0	1.0	1.1	1.2	1.4	1.3	1.2	1.1	1.0
173°	1.2	1.1	1.0	1.0	1.1	1.2	1.4	1.3	1.2	1.1	1.0
174°	1.2	1.1	1.0	1.0	1.1	1.2	1.3	1.3	1.2	1.2	1.1
175°	1.2	1.0	1.0	1.0	1.0	1.2	1.3	1.3	1.3	1.2	1.1
176°	1.2	1.0	1.0	1.0	1.0	1.1	1.2	1.3	1.3	1.2	1.1
177°	1.1	1.0	1.0	0.9	1.0	1.1	1.2	1.4	1.3	1.2	1.1
178°	1.1	1.0	0.9	0.9	1.0	1.0	1.1	1.4	1.3	1.3	1.2
179°	1.1	1.0	1.0	0.9	0.9	1.0	1.1	1.4	1.4	1.3	1.2



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CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

REPORT NUMBER: P1444957

CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	733.0	733.0	733.0
1°	868.3	893.7	904.6
2°	984.5	997.5	1002.4
3°	1047.7	1086.7	1103.5
4°	1132.8	1160.3	1171.5
5°	1191.3	1245.5	1262.5
6°	1269.6	1314.2	1340.1
7°	1330.1	1404.2	1431.8
8°	1406.1	1493.9	1528.1
9°	1480.5	1593.0	1630.7
10°	1568.0	1685.5	1718.4
11°	1644.8	1761.6	1792.6
12°	1711.7	1807.9	1827.5
13°	1760.2	1817.7	1793.3
14°	1787.0	1768.3	1778.3
15°	1749.2	1732.8	1732.7
16°	1720.8	1728.0	1739.2
17°	1662.3	1709.3	1751.6
18°	1671.5	1761.9	1832.9
19°	1646.0	1835.4	1890.0
20°	1701.4	1886.9	1946.9
21°	1767.3	1937.7	2003.9
22°	1828.9	1988.4	2046.8
23°	1872.0	2023.1	2073.9
24°	1900.0	2061.9	2114.9
25°	1927.6	2105.7	2166.3
26°	1964.1	2136.9	2197.2
27°	1993.2	2170.2	2229.2
28°	2018.6	2205.8	2275.0
29°	2042.6	2234.3	2315.8
30°	2061.8	2267.7	2340.1
31°	2084.9	2300.0	2363.4
32°	2107.1	2313.4	2381.0
33°	2124.0	2340.1	2415.7
34°	2143.0	2368.6	2424.9
35°	2163.6	2396.8	2484.5
36°	2177.3	2422.9	2502.5
37°	2189.1	2446.3	2498.3
38°	2198.7	2473.8	2563.3
39°	2212.0	2488.5	2546.3
40°	2219.6	2509.4	2594.1
41°	2216.2	2539.7	2618.6
42°	2223.0	2530.2	2549.8
43°	2230.1	2533.0	2642.9
44°	2222.7	2541.6	2555.8

REPORT NUMBER: P1444957

CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	2221.2	2462.2	2419.2
46°	2202.1	2482.7	2734.4
47°	2171.3	2686.5	2861.3
48°	2208.2	2702.8	2618.7
49°	2267.2	2554.6	2607.8
50°	2232.5	2552.2	2680.4
51°	2219.5	2559.2	2604.3
52°	2238.7	2536.3	2724.6
53°	2187.1	2659.9	2884.1
54°	2187.7	2736.2	2810.5
55°	2249.4	2663.9	2742.9
56°	2266.1	2622.0	2752.7
57°	2265.3	2615.7	2697.7
58°	2252.2	2564.3	2655.1
59°	2223.6	2549.4	2690.6
60°	2199.1	2574.8	2671.6
61°	2201.2	2538.5	2616.5
62°	2193.0	2520.6	2641.1
63°	2175.8	2529.9	2610.2
64°	2178.9	2475.6	2535.8
65°	2165.5	2405.5	2490.8
66°	2115.9	2394.5	2497.1
67°	2083.2	2358.4	2428.1
68°	2063.5	2285.9	2363.9
69°	2018.4	2270.4	2375.8
70°	1983.0	2243.9	2324.0
71°	1959.3	2238.4	2330.9
72°	1932.4	2166.1	2230.1
73°	1892.6	2145.5	2250.3
74°	1858.8	2104.7	2175.4
75°	1823.5	2046.9	2135.2
76°	1771.6	1995.3	2083.2
77°	1724.6	1965.9	2052.3
78°	1689.6	1901.1	1992.6
79°	1631.5	1858.9	1946.2
80°	1592.9	1842.1	1929.6
81°	1573.5	1797.3	1880.1
82°	1510.9	1728.6	1816.1
83°	1463.5	1687.4	1771.9
84°	1449.9	1676.7	1764.4
85°	1388.5	1606.3	1692.1
86°	1334.9	1546.1	1630.8
87°	1309.6	1522.4	1605.0
88°	1252.9	1475.7	1561.6
89°	1206.2	1408.1	1489.7

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CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	1185.3	1377.8	1445.6
91°	1145.4	1350.3	1428.5
92°	1114.1	1299.4	1380.7
93°	1104.4	1262.2	1332.3
94°	1088.2	1252.4	1315.5
95°	1068.2	1237.2	1303.9
96°	1049.2	1217.0	1283.1
97°	1020.6	1194.0	1261.7
98°	999.6	1163.4	1229.7
99°	979.6	1143.9	1206.6
100°	956.9	1123.9	1192.4
101°	934.7	1100.4	1163.8
102°	913.5	1080.1	1143.0
103°	892.3	1056.8	1120.9
104°	871.1	1034.0	1096.9
105°	847.8	1009.4	1073.0
106°	822.4	984.4	1047.7
107°	797.3	959.4	1022.2
108°	771.8	932.0	995.7
109°	747.5	906.4	967.2
110°	723.1	880.8	939.2
111°	699.8	855.2	912.8
112°	676.3	827.9	886.4
113°	652.8	802.2	860.0
114°	631.4	776.9	832.5
115°	609.4	751.4	806.9
116°	587.6	727.4	781.1
117°	566.5	703.5	755.3
118°	545.2	679.4	730.9
119°	524.1	656.1	705.8
120°	504.6	631.8	681.6
121°	485.0	609.2	657.3
122°	465.0	586.8	633.0
123°	445.7	564.2	609.9
124°	426.2	542.0	586.8
125°	407.1	520.1	562.7
126°	388.7	498.8	539.6
127°	369.7	477.5	518.3
128°	352.0	456.6	495.8
129°	334.1	435.5	473.9
130°	316.6	415.2	452.3
131°	299.4	395.3	431.6
132°	282.4	375.0	410.7
133°	265.4	355.8	390.4
134°	248.9	336.8	370.0

REPORT NUMBER: P1444957

CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	233.0	317.6	349.9
136°	217.2	299.5	331.2
137°	202.8	282.1	312.3
138°	189.1	264.5	294.6
139°	175.9	247.2	276.5
140°	164.0	230.0	258.4
141°	152.4	212.4	240.5
142°	140.6	194.4	221.9
143°	129.2	176.8	202.9
144°	118.7	159.6	184.0
145°	108.7	142.8	165.4
146°	99.5	127.6	146.4
147°	92.3	113.8	128.8
148°	85.3	101.2	111.3
149°	78.2	92.1	96.4
150°	74.4	87.2	92.8
151°	71.3	82.4	89.4
152°	68.2	80.6	85.9
153°	64.3	76.8	81.6
154°	60.1	72.0	76.6
155°	55.9	66.9	71.2
156°	51.7	62.0	65.9
157°	47.9	57.4	61.0
158°	44.3	53.0	56.3
159°	40.7	48.8	51.9
160°	37.1	44.7	47.6
161°	33.7	40.7	43.4
162°	30.5	37.0	39.5
163°	27.4	33.5	35.8
164°	24.4	30.1	32.2
165°	21.1	26.7	28.8
166°	17.9	23.2	25.2
167°	14.9	19.4	21.2
168°	12.4	15.9	17.4
169°	9.9	13.1	14.2
170°	7.3	10.4	11.3
171°	4.7	7.5	8.4
172°	2.3	4.6	5.6
173°	1.0	2.0	2.7
174°	1.0	0.9	1.0
175°	1.0	0.9	0.9
176°	1.0	0.9	0.9
177°	1.0	1.0	0.9
178°	1.1	1.0	1.0
179°	1.1	1.0	1.0

REPORT NUMBER: P1444957

CATALOG NUMBER: CWP75 (45W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	1.0	1.0	1.0

(END OF REPORT)