

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: P1444958

Luminaire Tested: CWP75 (45W-4000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444958
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-4000K)
Description: COMPACT WALL PACK, 75W
SET TO 45W, 4000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6300 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U4 - G4

Input Watts (W): 43.1
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



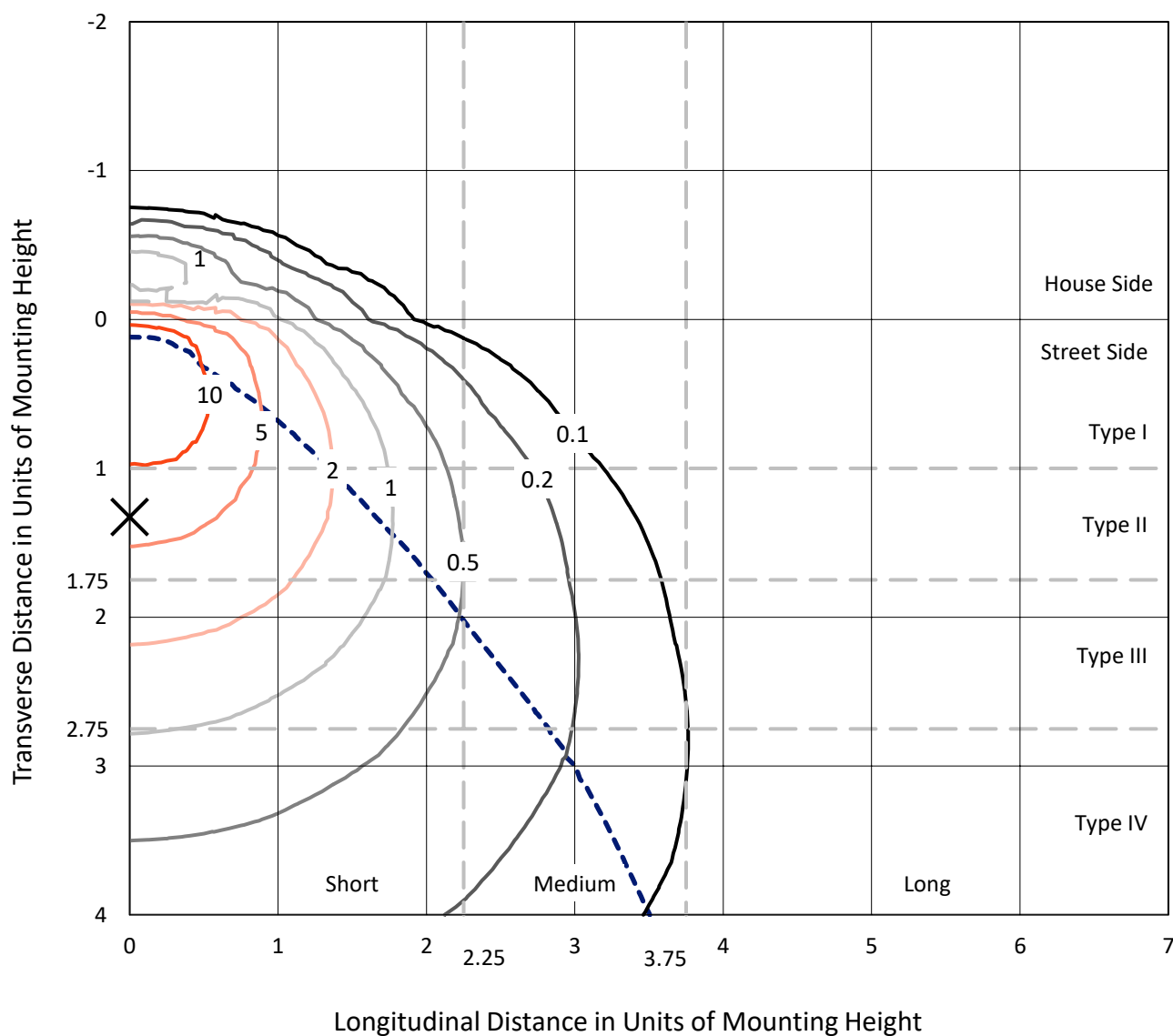
REPORT NUMBER: P1444958

CATALOG NUMBER: CWP75 (45W-4000K)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



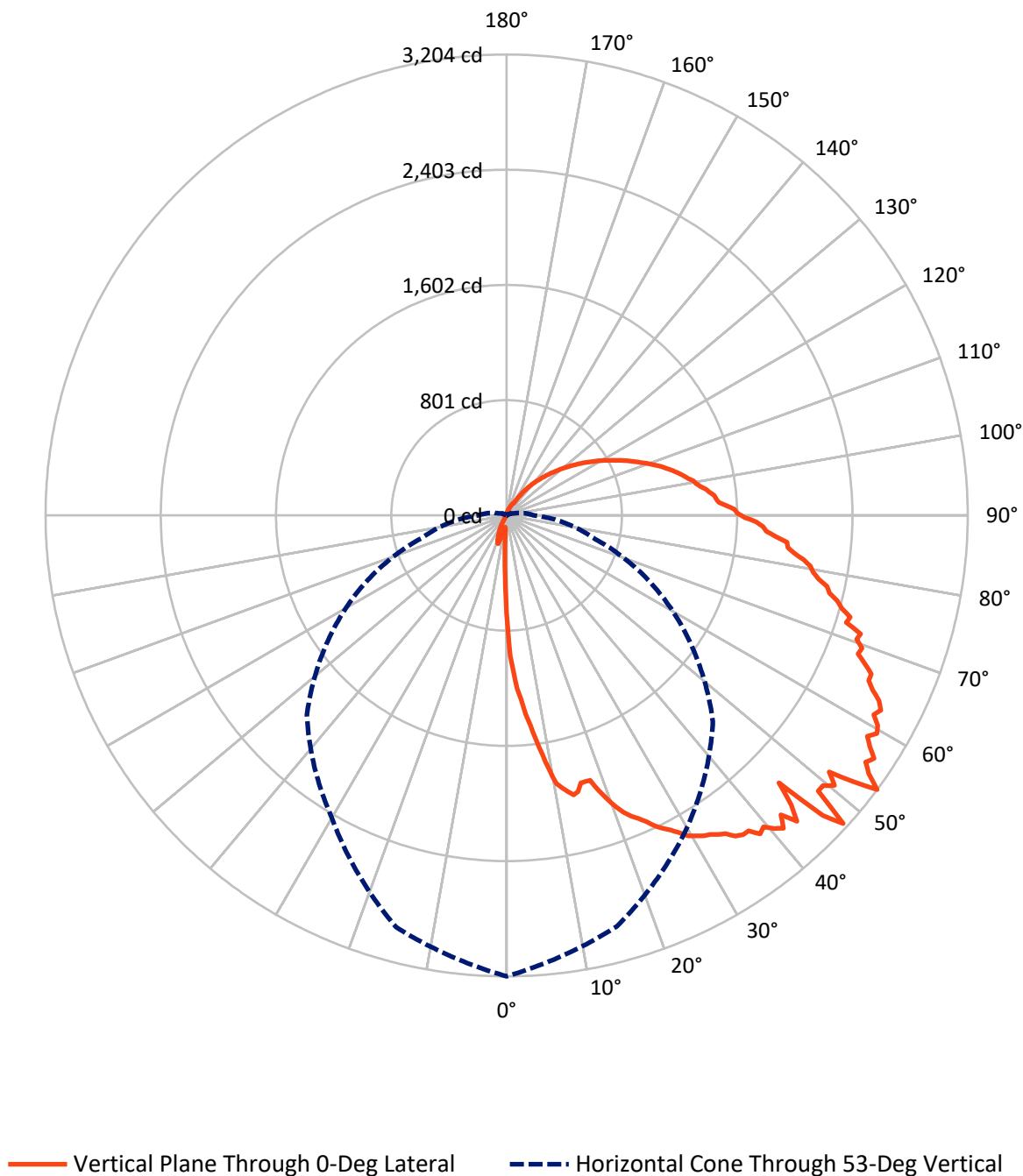
Based on 10 foot mounting height. Maximum calculated value = 18.1 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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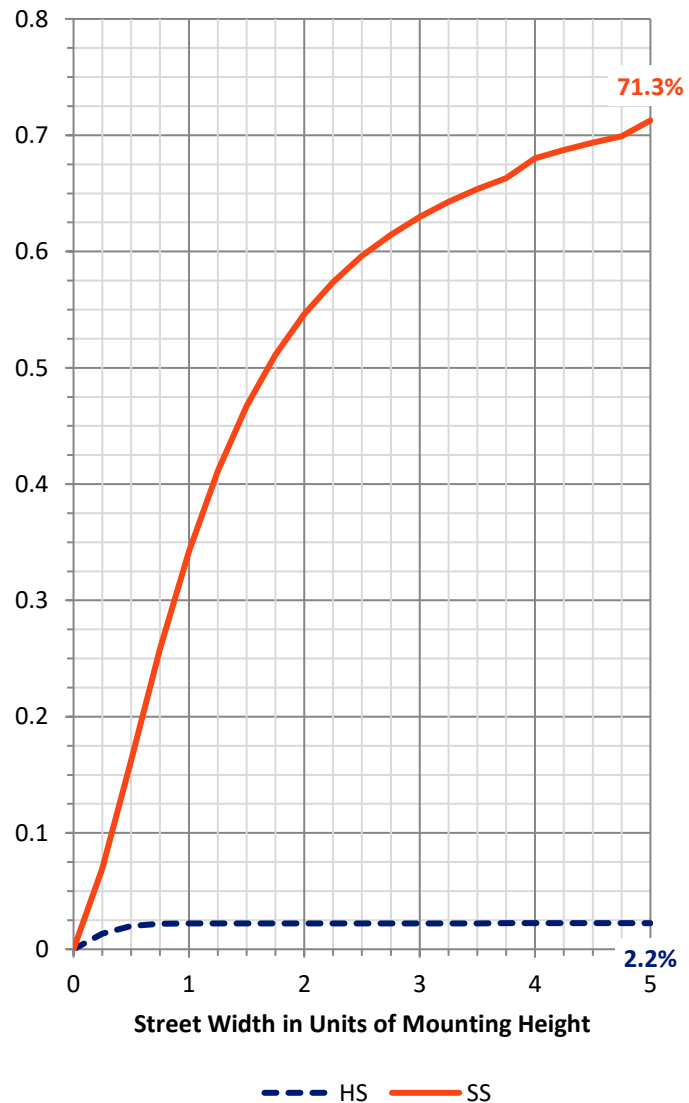
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	142.7	6.0	148.7
	% Fixture	2.3	0.1	2.4
Street Side	Lumens	4921.5	1229.8	6151.3
	% Fixture	78.1	19.5	97.6
Total	Lumens	5064.2	1235.8	6300.0
	% Fixture	80.4	19.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	1.2
10°-20°	252.5	4.0
20°-30°	439.4	7.0
30°-40°	611.8	9.7
40°-50°	737.6	11.7
50°-60°	820.5	13.0
60°-70°	823.5	13.1
70°-80°	730.2	11.6
80°-90°	574.7	9.1
90°-100°	437.9	7.0
100°-110°	330.2	5.2
110°-120°	221.9	3.5
120°-130°	133.9	2.1
130°-140°	70.1	1.1
140°-150°	28.7	0.5
150°-160°	10.3	0.2
160°-170°	2.6	0.0
170°-180°	0.2	0.0
0°-90°	5064.2	80.4
0°-180°	6300.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1444958

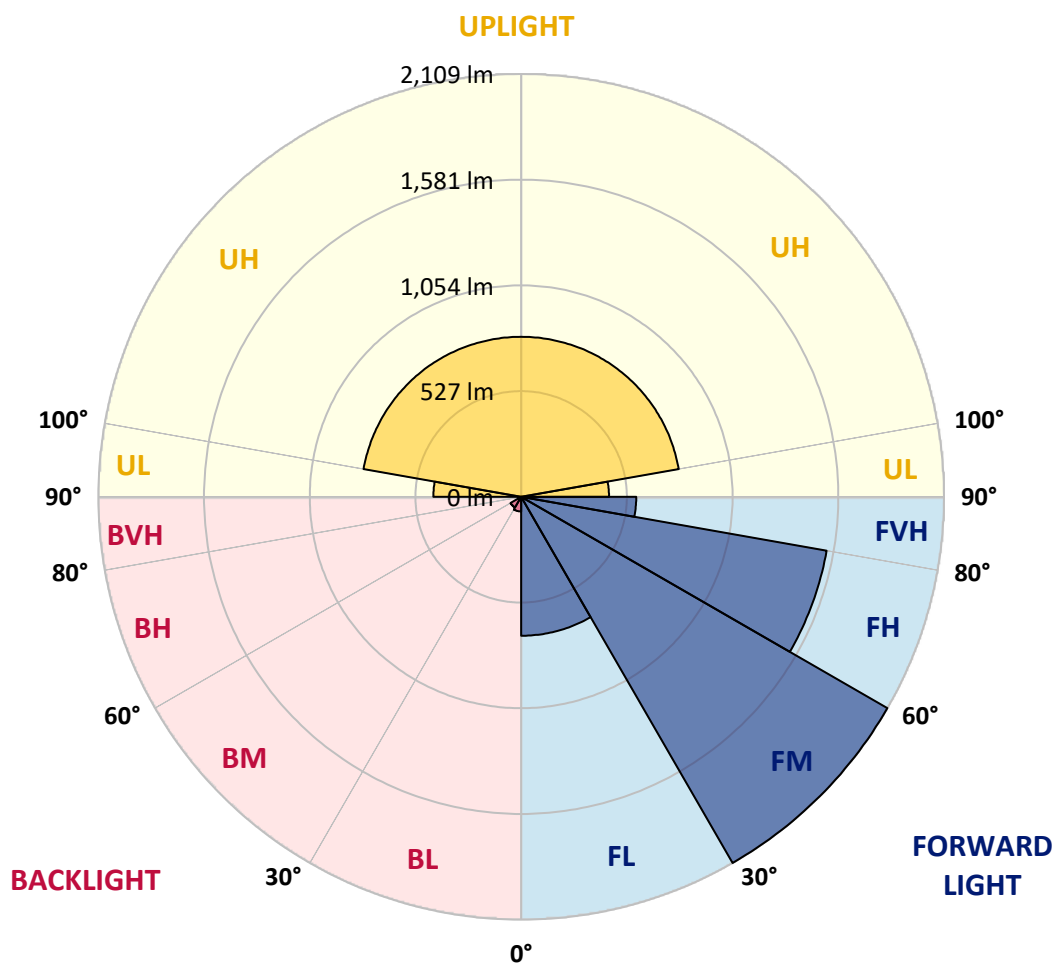
CATALOG NUMBER: CWP75 (45W-4000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	692.8	11.0			
FM	(30°-60°)	2108.5	33.5			
FH	(60°-80°)	1546.5	24.5			G1/1800
FVH	(80°-90°)	573.6	9.1			G4/750
BL	(0°-30°)	73.1	1.2	B0/110		
BM	(30°-60°)	61.4	1.0	B0/220		
BH	(60°-80°)	7.2	0.1	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	437.9	7.0		U3/500	
UH	(100°-180°)	797.9	12.7		U4/1000	

BUG Rating: B0-U4-G4

Type IV Short



REPORT NUMBER: P1444958

CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	774.9	774.9	774.9	774.9	774.9	774.9	774.9	774.9	774.9	774.9	774.9
1°	976.6	975.5	962.9	932.9	892.5	846.3	743.6	701.8	657.7	621.3	595.4
2°	1090.0	1087.6	1075.7	1051.1	996.6	899.2	745.4	650.5	553.2	488.7	446.5
3°	1207.8	1196.1	1159.5	1106.9	1065.1	953.4	744.3	593.0	469.6	376.1	339.6
4°	1284.5	1274.1	1251.2	1196.3	1096.4	995.0	738.7	536.9	388.1	277.3	232.7
5°	1388.7	1375.8	1328.9	1255.2	1147.5	1040.0	742.5	494.6	317.0	178.9	127.0
6°	1473.2	1448.9	1405.4	1314.3	1218.6	1060.4	734.0	451.2	246.0	128.2	97.2
7°	1571.9	1550.1	1482.9	1388.8	1246.4	1073.9	730.1	407.4	175.0	100.0	87.1
8°	1680.9	1651.0	1568.3	1437.5	1281.0	1094.5	727.9	359.2	137.6	89.4	82.3
9°	1790.8	1760.4	1657.7	1508.9	1339.8	1112.5	718.4	307.7	109.3	84.0	82.0
10°	1897.1	1863.4	1755.6	1569.8	1370.6	1134.2	712.6	263.4	95.7	81.8	85.0
11°	1931.9	1917.7	1842.4	1648.5	1399.8	1164.7	704.4	230.7	89.1	82.4	89.3
12°	1965.0	1970.8	1920.1	1713.7	1449.8	1173.4	692.8	198.1	85.3	85.3	94.6
13°	1998.0	2023.9	1937.0	1779.4	1485.0	1179.1	682.9	173.8	83.3	89.1	99.4
14°	1981.5	1979.7	1953.6	1840.9	1513.2	1185.4	668.8	151.6	82.5	93.6	103.6
15°	1929.4	1943.3	1970.2	1904.2	1556.7	1181.6	653.8	131.8	82.9	98.8	111.6
16°	1929.5	1930.6	1951.2	1937.7	1595.0	1186.9	640.6	114.8	84.5	104.3	127.1
17°	1931.6	1899.7	1881.8	1949.7	1621.0	1188.2	623.3	100.8	87.0	110.6	150.6
18°	2016.9	1945.6	1879.9	1905.8	1655.2	1181.1	607.9	91.8	90.1	118.6	173.6
19°	2088.9	2027.4	1845.7	1867.3	1679.9	1175.7	594.6	85.9	94.0	129.0	189.2
20°	2160.2	2111.5	1894.4	1810.0	1689.4	1175.3	576.3	81.9	98.9	140.8	194.5
21°	2217.8	2168.5	1972.7	1767.9	1705.9	1171.2	564.8	79.3	103.8	152.0	192.3
22°	2264.1	2212.6	2040.6	1752.6	1707.6	1173.0	552.0	77.5	109.6	160.4	186.1
23°	2297.6	2250.7	2091.7	1722.8	1697.4	1175.8	538.1	76.3	115.8	164.8	175.0
24°	2338.5	2291.5	2129.5	1756.2	1666.2	1170.0	527.5	75.7	121.8	165.1	163.4
25°	2390.4	2338.5	2167.6	1804.8	1620.2	1176.9	515.8	76.1	126.8	162.8	151.1
26°	2429.5	2376.7	2202.4	1847.2	1573.7	1173.4	504.0	77.0	131.2	157.9	139.0
27°	2465.7	2414.0	2235.8	1881.7	1523.8	1174.3	496.1	78.7	134.1	151.9	127.6
28°	2507.6	2451.4	2268.5	1906.7	1474.2	1180.9	486.7	81.1	136.3	144.8	115.9
29°	2559.1	2493.2	2296.8	1925.4	1454.8	1176.8	476.4	84.2	136.4	136.4	104.7
30°	2585.5	2532.1	2320.5	1943.7	1417.3	1179.3	467.9	87.4	134.7	127.7	93.2
31°	2613.0	2563.4	2350.4	1956.7	1394.2	1174.4	455.4	91.2	132.3	117.8	82.4
32°	2628.7	2595.0	2372.2	1962.5	1404.5	1170.0	445.7	95.0	128.8	107.7	71.7
33°	2659.2	2616.0	2399.7	1968.2	1426.1	1166.1	431.6	98.7	124.1	97.8	62.0
34°	2684.0	2631.0	2424.3	1973.8	1439.6	1155.8	421.3	101.9	118.8	88.6	52.5
35°	2738.1	2666.0	2440.1	1981.6	1449.3	1139.8	409.3	104.6	112.9	79.5	43.8
36°	2760.6	2699.6	2456.2	1979.2	1454.6	1132.7	398.0	106.5	106.5	70.8	36.0
37°	2763.8	2713.8	2480.5	1981.7	1457.6	1107.5	385.7	107.8	100.0	62.5	29.3
38°	2829.0	2742.5	2497.6	1984.8	1451.8	1087.8	373.2	108.1	93.3	54.7	25.5
39°	2805.1	2758.5	2501.3	1985.6	1443.7	1063.2	361.1	107.8	86.6	46.6	21.8
40°	2862.8	2756.1	2514.3	1988.8	1440.4	1035.9	349.0	106.7	80.2	39.7	18.1
41°	2902.7	2808.3	2506.8	1982.1	1438.5	1003.5	338.0	104.6	73.8	33.4	14.8
42°	2821.7	2803.7	2520.9	1980.3	1435.7	967.3	326.7	101.6	67.6	27.5	12.3
43°	2930.0	2795.1	2548.7	1989.0	1431.0	933.8	315.5	98.1	61.9	23.4	10.5
44°	2822.8	2844.7	2527.5	1994.1	1428.9	895.2	304.9	94.2	56.4	19.3	8.1

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CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	2653.4	2716.8	2537.2	1996.3	1429.6	856.0	292.4	90.2	51.0	15.2	1.3
46°	3028.8	2687.9	2525.3	1996.3	1424.7	817.7	279.3	85.7	46.1	11.9	0.6
47°	3170.7	2959.0	2454.0	1995.6	1417.6	783.1	266.9	81.3	41.4	8.3	0.6
48°	2891.3	3011.0	2475.9	1994.9	1407.4	745.8	253.7	76.8	36.7	5.7	0.6
49°	2891.4	2847.2	2584.3	1999.8	1391.4	712.6	241.4	72.2	31.6	4.3	0.6
50°	2951.3	2844.6	2583.3	1969.9	1382.7	688.1	227.2	67.8	27.0	2.5	0.7
51°	2864.6	2842.9	2539.5	1967.1	1369.9	670.6	213.1	63.5	23.1	0.5	0.7
52°	3045.2	2801.9	2549.2	2015.8	1350.3	653.7	199.0	59.3	19.3	0.5	0.7
53°	3203.7	2957.6	2507.5	2026.2	1334.3	636.9	187.4	55.1	15.4	0.6	0.8
54°	3089.8	3046.1	2473.4	2003.9	1308.2	614.9	175.4	51.0	12.4	0.6	0.8
55°	3027.9	2955.4	2554.9	1995.0	1282.5	597.1	165.0	47.1	9.7	0.6	0.8
56°	3062.4	2928.6	2603.7	1984.2	1286.0	577.3	154.2	43.3	7.3	0.6	0.9
57°	2991.8	2940.9	2591.3	1967.2	1273.8	558.2	145.3	39.6	4.8	0.7	0.9
58°	2939.8	2883.8	2577.2	1985.5	1239.9	539.4	135.7	36.0	3.1	0.7	0.9
59°	2985.8	2854.4	2552.9	1989.8	1211.5	522.5	127.8	32.6	1.7	0.7	1.0
60°	2962.7	2883.1	2519.5	1980.3	1188.0	511.6	119.2	29.3	0.6	0.8	1.0
61°	2901.8	2854.3	2507.4	1956.0	1166.7	498.9	111.1	26.2	0.5	0.8	1.1
62°	2931.2	2807.2	2505.7	1934.0	1153.8	481.9	103.1	23.5	0.5	0.8	1.1
63°	2892.5	2821.7	2499.6	1913.9	1142.2	465.4	95.7	20.8	0.5	0.9	1.2
64°	2818.6	2787.0	2494.7	1891.5	1119.0	451.5	88.5	18.1	0.6	0.9	1.2
65°	2765.1	2706.6	2485.9	1868.6	1095.7	437.7	81.5	15.3	0.6	0.9	1.3
66°	2763.3	2674.8	2454.8	1853.6	1070.1	427.1	75.1	12.6	0.6	1.0	1.3
67°	2693.7	2664.1	2398.0	1848.3	1048.0	415.2	68.5	10.2	0.6	1.0	1.4
68°	2625.1	2577.0	2363.8	1827.3	1026.8	401.7	62.5	7.9	0.6	1.1	1.4
69°	2635.6	2546.3	2320.8	1791.6	1002.1	387.8	56.6	5.9	0.7	1.1	1.4
70°	2580.6	2516.0	2267.9	1763.2	984.6	374.9	51.0	4.1	0.7	1.1	1.5
71°	2593.9	2503.6	2247.9	1729.0	962.0	361.3	45.6	2.6	0.7	1.2	1.5
72°	2475.4	2443.7	2217.4	1689.6	934.7	350.1	40.4	1.4	0.7	1.2	1.6
73°	2489.3	2392.2	2202.7	1664.4	908.7	339.3	35.5	0.9	0.8	1.2	1.6
74°	2417.3	2366.6	2131.8	1638.0	878.8	326.4	30.9	0.7	0.8	1.3	1.7
75°	2372.3	2318.4	2095.2	1609.7	857.1	314.2	26.8	0.6	0.8	1.3	1.7
76°	2307.5	2257.5	2033.7	1576.6	832.1	300.5	23.2	0.5	0.8	1.3	1.8
77°	2279.6	2226.3	1982.7	1537.2	810.6	288.2	19.7	0.5	0.9	1.4	1.8
78°	2212.4	2159.3	1948.1	1496.4	787.8	277.0	16.1	0.5	0.9	1.4	1.9
79°	2166.0	2105.7	1889.0	1452.2	759.6	265.9	13.2	0.5	0.9	1.5	1.9
80°	2139.9	2052.3	1836.4	1409.8	733.1	253.6	10.5	0.5	0.9	1.5	2.0
81°	2086.5	2029.6	1795.8	1370.7	705.9	242.4	8.2	0.5	1.0	1.5	2.0
82°	2016.2	1964.5	1741.1	1338.4	681.8	230.8	6.1	0.5	1.0	1.5	2.0
83°	1967.2	1898.3	1678.8	1294.1	661.1	219.6	4.3	0.5	1.0	1.6	2.1
84°	1956.9	1887.6	1648.3	1246.4	632.1	209.3	2.9	0.5	1.0	1.6	2.1
85°	1877.1	1817.9	1605.5	1226.6	623.8	202.0	1.8	0.5	1.0	1.6	2.1
86°	1808.7	1751.0	1536.8	1167.0	593.6	192.0	1.1	0.5	1.1	1.6	2.1
87°	1782.7	1716.1	1505.9	1139.0	576.6	184.5	0.6	0.6	1.1	1.7	2.2
88°	1736.8	1670.6	1458.1	1097.3	554.6	177.0	0.3	0.6	1.1	1.7	2.2
89°	1655.2	1589.7	1388.1	1053.1	538.9	171.0	0.2	0.6	1.1	1.7	2.3

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CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	1604.5	1544.7	1355.5	1027.3	523.0	165.8	0.2	0.6	1.2	1.8	2.3
91°	1584.8	1521.3	1322.7	995.3	512.0	160.7	0.2	0.6	1.2	1.8	2.3
92°	1531.4	1466.3	1276.0	976.4	502.6	155.6	0.2	0.6	1.2	1.8	2.4
93°	1477.7	1422.2	1256.5	964.0	492.6	150.2	0.3	0.6	1.2	1.9	2.4
94°	1460.9	1407.7	1241.9	944.5	480.9	144.7	0.3	0.7	1.3	1.9	2.4
95°	1448.1	1392.5	1219.7	924.7	466.8	139.0	0.3	0.7	1.3	1.9	2.4
96°	1419.6	1363.6	1197.8	904.9	449.9	133.0	0.3	0.7	1.3	1.9	2.5
97°	1396.8	1340.3	1169.7	875.5	434.3	127.7	0.3	0.7	1.3	1.9	2.5
98°	1361.2	1306.0	1141.2	851.6	419.1	121.9	0.3	0.7	1.3	2.0	2.5
99°	1336.0	1283.7	1118.3	826.8	404.6	116.6	0.3	0.7	1.3	2.0	2.5
100°	1319.9	1264.5	1090.7	802.1	390.6	111.5	0.3	0.7	1.4	2.0	2.6
101°	1287.9	1232.9	1064.1	777.6	376.4	106.7	0.3	0.8	1.4	2.0	2.6
102°	1263.0	1209.3	1040.3	752.6	362.1	101.5	0.3	0.8	1.4	2.0	2.6
103°	1239.3	1183.1	1014.4	727.7	347.9	96.6	0.3	0.8	1.4	2.0	2.6
104°	1211.0	1157.4	987.9	702.8	334.3	92.3	0.3	0.8	1.4	2.0	2.6
105°	1183.9	1129.0	959.6	676.5	321.0	88.1	0.3	0.8	1.4	2.1	2.6
106°	1155.0	1100.4	931.7	650.3	307.0	83.9	0.4	0.8	1.4	2.0	2.6
107°	1128.1	1071.3	903.8	625.5	294.0	80.1	0.4	0.8	1.4	2.0	2.6
108°	1097.4	1041.4	875.9	601.0	282.1	76.7	0.4	0.8	1.4	2.0	2.6
109°	1066.7	1011.1	847.1	577.1	270.2	73.5	0.4	0.8	1.4	2.0	2.6
110°	1034.1	979.2	818.9	554.1	259.4	70.6	0.4	0.8	1.4	2.1	2.6
111°	1002.2	948.2	791.3	531.6	248.8	67.9	0.4	0.8	1.4	2.1	2.6
112°	972.4	920.2	763.9	509.5	238.3	65.3	0.4	0.8	1.4	2.0	2.6
113°	944.2	892.2	737.9	488.1	227.8	62.5	0.4	0.8	1.4	2.0	2.5
114°	916.0	864.3	712.0	467.6	217.5	59.7	0.4	0.8	1.4	2.0	2.5
115°	887.8	835.5	686.2	447.2	206.9	56.8	0.4	0.8	1.4	2.0	2.5
116°	857.7	807.6	662.0	427.9	197.1	53.8	0.4	0.8	1.4	1.9	2.4
117°	829.4	782.0	637.3	408.9	188.4	51.1	0.4	0.9	1.4	1.9	2.4
118°	802.1	754.1	613.1	390.7	180.4	48.4	0.4	0.9	1.4	1.9	2.4
119°	775.3	727.8	589.9	373.2	172.5	45.4	0.4	0.9	1.4	1.9	2.4
120°	748.0	701.2	566.3	355.7	164.4	42.1	0.4	0.9	1.4	1.9	2.4
121°	721.9	675.1	543.7	338.8	156.5	39.4	0.4	0.9	1.4	1.9	2.4
122°	694.4	649.8	522.2	322.3	148.5	37.2	0.5	0.9	1.4	1.9	2.4
123°	667.9	624.9	500.4	305.8	140.5	35.3	0.5	0.9	1.4	1.9	2.4
124°	643.8	600.2	478.5	290.2	132.3	33.8	0.5	0.9	1.4	1.9	2.4
125°	617.1	575.3	457.3	275.7	124.5	32.6	0.5	0.9	1.4	1.9	2.4
126°	591.6	552.2	435.2	262.8	117.5	31.4	0.5	0.9	1.4	1.9	2.4
127°	568.2	527.9	415.3	250.5	111.2	30.1	0.5	0.9	1.4	1.9	2.4
128°	543.3	504.3	395.0	237.9	105.7	28.9	0.5	1.0	1.4	1.9	2.4
129°	518.5	481.3	374.8	225.4	101.2	27.9	0.6	1.0	1.5	2.0	2.4
130°	495.5	458.2	355.1	213.9	97.7	27.1	0.6	1.0	1.5	2.0	2.4
131°	472.2	436.2	335.6	203.0	94.2	26.4	0.6	1.0	1.5	2.0	2.4
132°	449.3	414.7	316.6	191.8	90.7	25.8	0.6	1.0	1.5	2.0	2.4
133°	426.9	392.7	297.8	180.9	87.3	25.1	0.6	1.0	1.5	2.0	2.4
134°	404.7	371.8	279.9	170.4	82.3	24.0	0.7	1.1	1.5	2.0	2.4

REPORT NUMBER: P1444958

CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	383.4	350.7	262.4	160.6	77.7	22.8	0.7	1.1	1.5	2.0	2.4
136°	362.7	330.3	245.6	150.9	73.6	21.8	0.7	1.1	1.5	2.0	2.4
137°	342.1	311.3	229.7	141.8	69.7	20.6	0.7	1.1	1.6	2.0	2.4
138°	322.2	292.0	213.8	132.9	66.1	19.4	0.8	1.1	1.6	2.0	2.4
139°	302.2	273.1	199.3	124.8	62.9	18.3	0.8	1.2	1.6	2.0	2.4
140°	282.6	254.0	186.2	117.3	59.9	17.2	0.8	1.2	1.6	2.1	2.4
141°	262.7	234.6	172.9	110.1	57.3	16.1	0.9	1.2	1.6	2.1	2.4
142°	242.6	215.4	160.0	103.6	54.8	15.0	0.9	1.3	1.6	2.1	2.4
143°	222.4	195.9	147.7	97.9	52.8	13.9	0.9	1.3	1.7	2.1	2.4
144°	201.5	177.0	136.0	92.7	51.1	12.8	1.0	1.3	1.7	2.1	2.4
145°	181.0	159.0	125.1	87.5	48.9	11.7	1.0	1.3	1.7	2.1	2.4
146°	160.9	142.4	114.8	82.4	46.0	10.6	1.0	1.4	1.7	2.0	2.4
147°	141.2	127.4	105.4	77.8	42.6	9.5	1.1	1.4	1.7	2.0	2.4
148°	121.8	113.7	96.9	74.0	39.2	8.4	1.1	1.4	1.7	2.0	2.3
149°	105.7	101.9	91.5	70.5	36.1	7.5	1.2	1.4	1.7	2.0	2.3
150°	96.8	97.6	86.1	67.1	33.3	6.6	1.2	1.4	1.7	2.0	2.3
151°	96.1	93.5	80.7	63.4	30.8	5.9	1.2	1.5	1.7	2.0	2.3
152°	92.2	89.4	77.4	59.4	28.6	5.2	1.3	1.5	1.7	2.0	2.2
153°	88.3	85.4	73.1	55.5	26.5	4.6	1.3	1.5	1.7	1.9	2.2
154°	84.4	80.3	68.3	51.7	24.6	3.9	1.3	1.5	1.7	1.9	2.1
155°	78.5	74.8	63.5	47.4	22.6	3.2	1.3	1.5	1.7	1.9	2.1
156°	72.8	69.2	58.8	43.1	20.7	2.5	1.4	1.5	1.7	1.9	2.0
157°	67.3	64.1	54.3	38.7	19.0	1.8	1.4	1.5	1.7	1.8	2.0
158°	62.1	59.2	50.1	34.5	17.3	1.4	1.4	1.5	1.7	1.8	1.9
159°	57.3	54.6	46.1	30.5	15.7	1.3	1.5	1.6	1.7	1.8	1.9
160°	52.5	50.0	42.0	27.1	14.2	1.3	1.5	1.6	1.7	1.8	1.9
161°	47.8	45.6	37.8	24.0	12.7	1.3	1.5	1.6	1.7	1.8	1.8
162°	43.6	41.5	33.5	21.3	11.1	1.3	1.5	1.6	1.7	1.7	1.8
163°	39.5	37.5	29.5	18.8	9.3	1.3	1.5	1.6	1.7	1.7	1.7
164°	35.5	33.7	25.6	16.7	7.6	1.3	1.6	1.6	1.7	1.7	1.7
165°	31.7	29.9	22.1	14.8	5.8	1.4	1.6	1.6	1.7	1.7	1.6
166°	27.7	25.8	18.9	13.1	4.1	1.4	1.6	1.6	1.6	1.6	1.6
167°	23.3	21.6	16.1	11.0	2.7	1.4	1.6	1.6	1.6	1.6	1.6
168°	19.1	17.6	14.0	8.7	1.6	1.4	1.6	1.6	1.6	1.6	1.5
169°	15.6	14.5	11.7	6.4	1.4	1.4	1.6	1.6	1.6	1.6	1.5
170°	12.5	11.6	8.9	4.0	1.3	1.4	1.6	1.6	1.6	1.6	1.5
171°	9.3	8.6	6.1	2.0	1.3	1.4	1.6	1.6	1.6	1.5	1.4
172°	6.1	5.6	3.3	1.2	1.3	1.4	1.6	1.6	1.6	1.5	1.4
173°	2.9	2.5	1.3	1.2	1.3	1.4	1.6	1.6	1.6	1.5	1.4
174°	1.1	1.1	1.1	1.2	1.3	1.4	1.6	1.6	1.6	1.5	1.4
175°	1.0	1.0	1.1	1.2	1.3	1.4	1.6	1.6	1.6	1.5	1.4
176°	1.0	1.0	1.1	1.2	1.3	1.4	1.6	1.6	1.6	1.5	1.4
177°	1.0	1.0	1.1	1.2	1.3	1.4	1.6	1.6	1.5	1.5	1.4
178°	1.1	1.0	1.1	1.2	1.2	1.3	1.6	1.6	1.5	1.5	1.4
179°	1.1	1.0	1.1	1.1	1.2	1.3	1.6	1.6	1.5	1.5	1.4



REPORT NUMBER: P1444958
CATALOG NUMBER: CWP75 (45W-4000K)

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: P1444958

CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	774.9	774.9	774.9	774.9	774.9	774.9	774.9	774.9	774.9	774.9	774.9
1°	585.1	586.6	603.6	636.9	672.3	714.2	757.9	749.4	793.9	842.4	889.3
2°	422.6	419.7	437.9	472.6	526.5	611.6	710.6	746.4	840.2	944.9	1025.6
3°	290.8	286.7	301.9	360.3	416.2	515.4	666.0	750.1	895.7	1035.7	1087.6
4°	160.7	154.4	167.8	248.1	325.0	438.4	607.8	748.8	950.1	1077.1	1171.8
5°	107.2	103.6	110.3	137.4	233.9	350.8	552.3	743.6	993.6	1115.7	1240.1
6°	90.4	89.0	90.9	100.1	143.6	287.2	505.5	745.4	1032.3	1179.7	1290.2
7°	83.3	82.6	83.5	88.2	106.2	223.6	463.5	738.7	1048.6	1227.7	1363.6
8°	81.9	82.1	81.5	82.4	91.5	160.8	420.8	731.9	1058.1	1251.3	1414.7
9°	84.7	85.8	84.0	81.1	85.3	126.3	377.6	727.4	1076.4	1298.0	1486.7
10°	89.6	91.4	88.7	83.4	81.8	103.4	328.1	714.4	1092.2	1341.3	1542.3
11°	95.5	97.1	94.4	87.6	81.3	93.2	281.7	704.4	1111.3	1363.4	1606.2
12°	99.3	99.8	99.1	92.7	83.4	87.3	248.0	690.7	1125.1	1396.5	1679.8
13°	101.8	101.6	102.0	98.3	86.9	83.6	214.3	678.9	1124.0	1432.3	1742.4
14°	109.7	112.4	109.9	102.8	91.0	81.2	180.6	665.9	1124.0	1457.1	1800.9
15°	131.3	140.0	130.0	109.1	95.7	80.2	157.9	651.6	1124.2	1490.3	1855.7
16°	165.5	179.8	161.0	121.4	100.9	80.2	136.4	637.9	1123.7	1525.1	1884.1
17°	195.2	204.8	191.6	140.4	106.4	81.6	118.3	622.4	1125.3	1551.5	1901.0
18°	206.9	204.5	203.9	161.6	113.2	84.0	103.8	609.3	1121.0	1573.6	1853.7
19°	202.3	199.4	200.8	176.6	121.8	87.8	93.0	596.3	1114.7	1594.6	1813.5
20°	196.5	187.0	195.1	184.8	131.8	92.6	85.4	582.4	1116.1	1615.1	1758.5
21°	183.8	174.1	182.9	185.5	140.7	98.0	79.9	571.0	1116.9	1630.2	1719.0
22°	170.0	159.2	170.1	180.6	148.2	103.8	76.5	561.4	1120.2	1629.0	1692.5
23°	156.2	144.0	156.3	171.5	153.0	109.3	73.8	550.8	1119.6	1622.3	1667.5
24°	142.9	132.4	142.1	160.8	153.9	114.4	71.9	542.7	1118.1	1592.4	1706.5
25°	130.5	119.8	130.7	149.0	152.2	118.8	71.0	536.3	1120.8	1536.9	1750.2
26°	119.1	108.7	118.6	136.6	148.8	123.0	70.7	526.2	1122.7	1506.6	1795.7
27°	108.6	99.0	108.1	124.8	143.8	126.0	71.1	520.2	1122.2	1455.7	1829.5
28°	98.2	88.0	97.1	113.4	137.4	127.7	72.2	511.6	1125.2	1411.1	1850.6
29°	87.6	78.3	86.2	101.9	130.0	128.1	74.0	501.9	1127.2	1393.0	1865.8
30°	76.5	64.6	75.6	90.9	122.4	127.4	76.6	492.5	1124.5	1356.1	1879.1
31°	62.7	49.3	62.5	80.7	113.8	125.7	79.4	478.9	1120.9	1340.7	1891.0
32°	50.5	35.5	50.0	71.1	105.0	122.7	82.5	469.3	1111.5	1354.8	1905.6
33°	40.1	30.8	39.4	61.7	95.4	118.5	85.4	461.6	1100.6	1376.3	1912.0
34°	33.0	28.1	32.2	52.1	86.2	113.0	88.1	448.4	1095.5	1390.2	1916.6
35°	27.2	25.8	27.6	43.4	77.3	107.5	90.6	442.3	1084.1	1401.3	1923.1
36°	24.0	22.7	24.2	36.4	69.0	101.7	92.4	427.0	1065.5	1404.7	1925.3
37°	20.8	19.6	20.9	30.0	61.0	95.6	93.7	415.8	1051.2	1401.4	1928.6
38°	17.6	16.5	17.5	25.8	53.7	89.2	94.2	402.5	1033.9	1395.0	1931.1
39°	15.4	14.8	15.1	21.6	46.2	82.9	94.3	392.2	1016.4	1393.2	1930.5
40°	13.8	11.3	13.4	17.4	38.8	76.7	93.5	380.7	984.3	1391.2	1930.8
41°	10.4	1.6	10.3	14.3	32.7	70.9	92.0	369.6	950.2	1390.3	1933.4
42°	1.3	0.6	1.5	11.6	27.2	65.3	89.8	357.5	918.4	1388.3	1936.3
43°	0.6	0.6	0.6	9.7	23.0	59.9	87.5	343.1	883.7	1387.2	1938.5
44°	0.6	0.6	0.6	7.3	18.7	54.7	84.8	331.2	841.1	1386.0	1944.1

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CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.6	0.7	0.6	1.4	14.5	49.9	81.9	314.3	804.8	1383.2	1944.3
46°	0.7	0.7	0.7	0.6	11.5	45.0	78.8	301.4	773.3	1377.3	1947.8
47°	0.7	0.7	0.7	0.6	8.2	40.6	75.6	285.3	732.1	1371.7	1948.6
48°	0.7	0.8	0.7	0.7	5.4	36.2	71.7	270.9	700.9	1364.1	1955.8
49°	0.8	0.8	0.8	0.7	3.9	31.6	67.8	254.5	679.8	1352.5	1938.4
50°	0.8	0.8	0.8	0.7	2.4	26.9	63.8	240.1	664.1	1338.1	1925.0
51°	0.8	0.9	0.9	0.8	0.6	23.2	59.6	223.7	648.4	1324.1	1937.3
52°	0.9	0.9	0.9	0.8	0.6	19.4	55.7	210.2	631.6	1309.9	1950.1
53°	0.9	1.0	0.9	0.8	0.7	15.7	51.8	196.4	612.2	1290.7	1962.9
54°	0.9	1.0	1.0	0.9	0.7	12.7	48.0	184.5	593.1	1271.0	1949.2
55°	1.0	1.0	1.0	0.9	0.7	9.9	44.3	172.0	573.4	1258.0	1937.7
56°	1.0	1.1	1.1	0.9	0.7	7.3	40.6	160.8	555.0	1248.6	1923.4
57°	1.1	1.1	1.1	1.0	0.7	5.0	37.1	149.6	538.7	1221.0	1922.1
58°	1.1	1.2	1.1	1.0	0.8	3.2	33.8	140.0	523.0	1196.6	1940.4
59°	1.2	1.2	1.2	1.0	0.8	1.7	30.6	130.4	510.9	1175.1	1942.0
60°	1.2	1.3	1.2	1.1	0.8	0.7	27.7	121.4	496.4	1157.4	1919.7
61°	1.3	1.3	1.3	1.1	0.9	0.6	24.9	113.2	479.8	1143.6	1897.7
62°	1.3	1.4	1.4	1.2	0.9	0.6	22.4	105.7	464.9	1128.8	1875.2
63°	1.4	1.5	1.4	1.2	0.9	0.6	19.9	98.0	451.6	1111.6	1857.4
64°	1.4	1.5	1.5	1.3	1.0	0.6	17.4	91.5	439.0	1091.4	1853.5
65°	1.5	1.6	1.5	1.3	1.0	0.7	15.2	85.0	426.0	1067.3	1830.2
66°	1.5	1.6	1.6	1.4	1.0	0.7	12.7	78.6	414.6	1043.9	1812.7
67°	1.6	1.7	1.6	1.4	1.1	0.7	10.3	72.2	401.6	1021.3	1798.6
68°	1.6	1.7	1.7	1.5	1.1	0.7	8.1	66.2	388.4	1000.8	1769.4
69°	1.7	1.8	1.7	1.5	1.1	0.7	6.1	60.1	376.0	980.8	1745.9
70°	1.7	1.9	1.8	1.6	1.2	0.7	4.4	54.4	363.5	957.5	1718.2
71°	1.8	1.9	1.8	1.6	1.2	0.8	2.9	49.1	351.0	933.4	1681.0
72°	1.9	2.0	1.9	1.6	1.2	0.8	1.7	44.0	340.2	908.3	1648.4
73°	1.9	2.0	1.9	1.7	1.3	0.8	1.0	39.4	328.2	880.7	1621.6
74°	2.0	2.1	2.0	1.7	1.3	0.8	0.8	35.1	316.0	855.2	1594.9
75°	2.0	2.1	2.0	1.8	1.3	0.8	0.7	31.0	302.5	831.2	1562.1
76°	2.1	2.2	2.1	1.8	1.4	0.9	0.6	27.2	289.7	807.3	1530.3
77°	2.1	2.2	2.2	1.9	1.4	0.9	0.5	23.7	277.4	784.8	1487.4
78°	2.2	2.3	2.2	1.9	1.5	0.9	0.5	20.3	266.2	756.0	1444.1
79°	2.2	2.3	2.3	2.0	1.5	0.9	0.5	17.1	254.3	728.5	1406.0
80°	2.3	2.4	2.3	2.0	1.5	1.0	0.5	14.3	241.7	702.2	1355.1
81°	2.3	2.4	2.3	2.0	1.5	1.0	0.5	11.6	230.1	675.0	1325.0
82°	2.3	2.5	2.4	2.1	1.6	1.0	0.5	9.5	219.3	654.7	1287.9
83°	2.4	2.5	2.4	2.1	1.6	1.0	0.5	7.3	209.0	628.4	1239.1
84°	2.4	2.5	2.4	2.1	1.6	1.0	0.5	5.2	200.9	614.5	1215.2
85°	2.4	2.5	2.5	2.1	1.6	1.0	0.6	3.5	191.0	587.7	1160.8
86°	2.5	2.6	2.5	2.2	1.6	1.1	0.6	2.2	183.9	571.3	1127.9
87°	2.5	2.6	2.5	2.2	1.7	1.1	0.6	1.3	176.0	549.0	1094.2
88°	2.6	2.7	2.6	2.3	1.7	1.1	0.6	0.6	170.4	531.9	1045.5
89°	2.6	2.7	2.6	2.3	1.7	1.1	0.6	0.4	164.9	517.3	1016.6

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CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	2.6	2.8	2.7	2.3	1.8	1.1	0.6	0.3	160.3	505.1	987.4
91°	2.7	2.8	2.7	2.4	1.8	1.2	0.6	0.2	155.4	496.3	962.3
92°	2.7	2.8	2.7	2.4	1.8	1.2	0.6	0.2	150.3	487.0	947.0
93°	2.8	2.9	2.8	2.4	1.8	1.2	0.7	0.2	144.9	476.3	934.3
94°	2.8	2.9	2.8	2.4	1.9	1.2	0.7	0.2	139.2	462.5	921.7
95°	2.8	2.9	2.8	2.5	1.9	1.2	0.7	0.2	133.5	447.4	900.6
96°	2.8	3.0	2.9	2.5	1.9	1.3	0.7	0.2	128.4	431.6	874.5
97°	2.9	3.0	2.9	2.5	1.9	1.3	0.7	0.2	122.5	416.8	849.2
98°	2.9	3.0	2.9	2.6	1.9	1.3	0.7	0.2	117.2	402.7	825.2
99°	2.9	3.1	3.0	2.6	2.0	1.3	0.7	0.2	112.5	389.3	800.8
100°	3.0	3.1	3.0	2.6	2.0	1.3	0.8	0.2	107.4	376.2	778.1
101°	3.0	3.1	3.0	2.6	2.0	1.3	0.8	0.2	102.2	362.1	754.0
102°	3.0	3.1	3.0	2.6	2.0	1.4	0.8	0.2	97.5	347.4	730.2
103°	3.0	3.2	3.0	2.6	2.0	1.4	0.8	0.2	93.2	334.2	706.0
104°	3.0	3.2	3.1	2.7	2.0	1.4	0.8	0.2	88.8	321.3	681.7
105°	3.0	3.2	3.1	2.7	2.0	1.4	0.8	0.2	84.5	307.9	655.4
106°	3.0	3.2	3.1	2.7	2.0	1.4	0.8	0.2	80.6	295.0	630.9
107°	3.0	3.2	3.0	2.6	2.0	1.4	0.8	0.2	77.1	283.1	606.9
108°	3.0	3.2	3.0	2.6	2.0	1.4	0.9	0.2	73.9	271.7	584.0
109°	3.0	3.1	3.0	2.6	2.0	1.4	0.9	0.2	70.9	260.9	561.0
110°	3.0	3.2	3.0	2.7	2.1	1.4	0.9	0.2	68.1	250.4	538.2
111°	3.0	3.2	3.1	2.7	2.1	1.4	0.9	0.2	65.5	240.0	516.6
112°	3.0	3.1	3.0	2.6	2.1	1.4	0.9	0.3	62.7	230.1	495.0
113°	2.9	3.1	3.0	2.6	2.0	1.4	0.9	0.3	59.8	219.8	474.1
114°	2.9	3.0	2.9	2.6	2.0	1.4	0.9	0.3	56.9	209.4	453.9
115°	2.8	3.0	2.9	2.5	2.0	1.4	0.9	0.3	54.0	199.4	434.1
116°	2.8	3.0	2.9	2.5	2.0	1.4	0.9	0.3	51.2	190.2	414.7
117°	2.8	3.0	2.9	2.5	2.0	1.4	0.9	0.3	48.5	182.1	396.7
118°	2.8	2.9	2.8	2.5	2.0	1.4	1.0	0.3	45.6	174.3	378.7
119°	2.8	2.9	2.8	2.5	2.0	1.5	1.0	0.3	42.7	166.5	361.6
120°	2.8	2.9	2.8	2.5	2.0	1.5	1.0	0.3	39.8	158.8	345.0
121°	2.7	2.9	2.8	2.5	2.0	1.5	1.0	0.3	37.4	150.9	328.9
122°	2.7	2.9	2.8	2.5	2.0	1.5	1.0	0.3	35.3	142.9	312.3
123°	2.7	2.9	2.8	2.5	2.1	1.5	1.0	0.3	33.7	135.0	296.8
124°	2.7	2.9	2.8	2.5	2.1	1.6	1.1	0.3	32.4	127.2	281.6
125°	2.7	2.9	2.8	2.5	2.1	1.6	1.1	0.3	31.3	119.6	268.1
126°	2.7	2.9	2.8	2.6	2.1	1.6	1.1	0.3	30.2	113.0	256.3
127°	2.7	2.9	2.8	2.6	2.1	1.6	1.1	0.4	29.0	107.1	243.4
128°	2.7	2.9	2.8	2.6	2.2	1.7	1.2	0.4	27.9	102.1	230.7
129°	2.7	2.9	2.9	2.6	2.2	1.7	1.2	0.4	27.1	98.1	218.8
130°	2.7	2.9	2.9	2.6	2.2	1.7	1.2	0.4	26.5	94.6	207.4
131°	2.7	2.9	2.9	2.6	2.2	1.7	1.2	0.4	25.8	91.1	196.3
132°	2.7	2.9	2.9	2.6	2.2	1.8	1.3	0.4	25.1	87.6	185.4
133°	2.7	2.9	2.9	2.7	2.3	1.8	1.3	0.5	24.2	82.7	174.8
134°	2.7	2.9	2.9	2.7	2.3	1.8	1.3	0.5	23.1	77.9	164.9

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CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	2.7	2.9	2.9	2.7	2.3	1.8	1.3	0.5	22.0	73.6	155.4
136°	2.7	2.9	2.9	2.7	2.3	1.8	1.4	0.5	21.0	69.8	145.8
137°	2.7	2.9	2.9	2.7	2.3	1.9	1.4	0.5	19.8	66.2	136.3
138°	2.7	2.9	2.9	2.7	2.3	1.9	1.4	0.5	18.5	63.0	127.7
139°	2.7	2.9	2.8	2.7	2.3	1.9	1.4	0.6	17.3	59.9	120.1
140°	2.7	2.8	2.8	2.7	2.3	1.9	1.5	0.6	16.1	57.2	112.7
141°	2.7	2.8	2.8	2.7	2.3	1.9	1.5	0.6	14.9	54.9	105.9
142°	2.7	2.8	2.8	2.7	2.3	1.9	1.5	0.6	13.7	52.8	99.9
143°	2.7	2.8	2.8	2.7	2.4	2.0	1.6	0.7	12.5	51.0	95.0
144°	2.7	2.8	2.8	2.7	2.4	2.0	1.6	0.7	11.3	49.1	90.0
145°	2.6	2.8	2.8	2.6	2.4	2.0	1.6	0.7	10.3	46.9	85.1
146°	2.6	2.8	2.8	2.6	2.4	2.0	1.7	0.7	9.2	44.4	80.4
147°	2.6	2.7	2.7	2.6	2.4	2.0	1.7	0.8	8.2	41.6	76.1
148°	2.6	2.7	2.7	2.6	2.4	2.1	1.7	0.8	7.3	38.9	72.2
149°	2.5	2.7	2.7	2.6	2.4	2.1	1.8	0.8	6.4	36.4	68.5
150°	2.5	2.6	2.6	2.5	2.4	2.1	1.8	0.9	5.7	34.1	64.8
151°	2.5	2.6	2.6	2.5	2.3	2.1	1.8	0.9	5.0	31.9	60.8
152°	2.4	2.5	2.5	2.5	2.3	2.1	1.9	0.9	4.4	29.9	57.0
153°	2.3	2.5	2.5	2.4	2.3	2.1	1.9	0.9	3.7	27.8	53.2
154°	2.3	2.4	2.4	2.4	2.3	2.1	1.9	1.0	2.9	25.7	49.5
155°	2.2	2.3	2.4	2.3	2.3	2.1	1.9	1.0	2.2	23.5	45.7
156°	2.2	2.3	2.3	2.3	2.2	2.1	2.0	1.1	1.6	21.3	42.0
157°	2.1	2.2	2.2	2.2	2.2	2.1	2.0	1.1	1.1	19.1	38.5
158°	2.1	2.1	2.2	2.2	2.2	2.1	2.0	1.1	1.0	17.0	35.0
159°	2.0	2.0	2.1	2.1	2.1	2.1	2.0	1.1	1.0	15.1	31.8
160°	1.9	2.0	2.0	2.1	2.1	2.1	2.0	1.2	1.1	13.4	28.5
161°	1.9	1.9	1.9	2.0	2.0	2.0	2.0	1.2	1.1	11.6	25.4
162°	1.8	1.8	1.8	1.9	1.9	1.9	2.0	1.2	1.1	9.8	22.5
163°	1.7	1.7	1.7	1.8	1.8	1.9	1.9	1.2	1.1	8.0	19.6
164°	1.7	1.6	1.6	1.7	1.8	1.8	1.9	1.3	1.2	6.2	16.8
165°	1.6	1.6	1.6	1.6	1.7	1.8	1.8	1.3	1.2	4.5	14.5
166°	1.5	1.5	1.5	1.5	1.6	1.7	1.8	1.3	1.2	2.9	12.1
167°	1.5	1.4	1.4	1.4	1.5	1.6	1.7	1.3	1.2	1.7	9.8
168°	1.4	1.3	1.3	1.3	1.4	1.6	1.7	1.4	1.3	1.2	7.4
169°	1.4	1.3	1.2	1.3	1.3	1.5	1.6	1.4	1.3	1.2	5.1
170°	1.4	1.2	1.2	1.2	1.3	1.4	1.6	1.4	1.3	1.2	2.9
171°	1.3	1.2	1.2	1.2	1.3	1.4	1.6	1.4	1.3	1.2	1.4
172°	1.3	1.2	1.1	1.1	1.2	1.4	1.5	1.4	1.3	1.2	1.1
173°	1.3	1.2	1.1	1.1	1.2	1.3	1.5	1.4	1.4	1.3	1.1
174°	1.3	1.2	1.1	1.1	1.2	1.3	1.5	1.4	1.4	1.3	1.2
175°	1.3	1.2	1.1	1.1	1.1	1.3	1.4	1.5	1.4	1.3	1.2
176°	1.3	1.1	1.1	1.1	1.1	1.2	1.4	1.5	1.4	1.3	1.2
177°	1.3	1.1	1.0	1.0	1.1	1.2	1.3	1.5	1.4	1.4	1.3
178°	1.2	1.1	1.0	1.0	1.1	1.1	1.2	1.5	1.5	1.4	1.3
179°	1.2	1.1	1.0	1.0	1.0	1.1	1.2	1.6	1.5	1.4	1.3



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CATALOG NUMBER: CWP75 (45W-4000K)

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: P1444958

CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	774.9	774.9	774.9
1°	932.1	964.2	976.6
2°	1066.8	1084.2	1090.0
3°	1138.3	1189.1	1207.8
4°	1238.6	1269.2	1284.5
5°	1309.4	1367.5	1388.7
6°	1394.8	1442.0	1473.2
7°	1466.0	1542.8	1571.9
8°	1548.9	1640.2	1680.9
9°	1634.9	1748.6	1790.8
10°	1729.8	1852.6	1897.1
11°	1816.1	1909.5	1931.9
12°	1899.3	1965.0	1965.0
13°	1914.8	2020.6	1998.0
14°	1928.3	1968.7	1981.5
15°	1941.9	1932.0	1929.4
16°	1915.4	1919.1	1929.5
17°	1851.4	1893.4	1931.6
18°	1856.2	1943.2	2016.9
19°	1823.1	2024.7	2088.9
20°	1877.2	2100.3	2160.2
21°	1949.0	2157.6	2217.8
22°	2016.3	2208.2	2264.1
23°	2064.4	2245.2	2297.6
24°	2099.7	2283.2	2338.5
25°	2136.0	2328.4	2390.4
26°	2171.8	2370.4	2429.5
27°	2203.6	2401.5	2465.7
28°	2234.3	2432.6	2507.6
29°	2260.4	2471.9	2559.1
30°	2284.5	2507.8	2585.5
31°	2310.1	2539.7	2613.0
32°	2333.4	2561.9	2628.7
33°	2352.9	2585.2	2659.2
34°	2370.5	2617.0	2684.0
35°	2397.9	2646.6	2738.1
36°	2415.8	2680.1	2760.6
37°	2427.3	2700.2	2763.8
38°	2439.6	2729.9	2829.0
39°	2452.1	2749.9	2805.1
40°	2461.9	2770.1	2862.8
41°	2458.6	2806.8	2902.7
42°	2470.2	2802.9	2821.7
43°	2478.5	2808.1	2930.0
44°	2468.1	2815.2	2822.8

REPORT NUMBER: P1444958

CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	2473.5	2714.2	2653.4
46°	2451.2	2736.1	3028.8
47°	2406.4	2980.6	3170.7
48°	2452.1	2990.2	2891.3
49°	2520.5	2822.9	2891.4
50°	2487.4	2821.8	2951.3
51°	2476.9	2817.2	2864.6
52°	2485.8	2805.9	3045.2
53°	2428.1	2963.4	3203.7
54°	2441.6	3028.2	3089.8
55°	2506.4	2933.1	3027.9
56°	2515.3	2907.7	3062.4
57°	2521.3	2906.5	2991.8
58°	2513.2	2842.0	2939.8
59°	2475.5	2822.9	2985.8
60°	2453.8	2853.7	2962.7
61°	2452.5	2810.0	2901.8
62°	2445.9	2789.3	2931.2
63°	2427.4	2805.3	2892.5
64°	2433.1	2748.4	2818.6
65°	2416.4	2674.1	2765.1
66°	2368.8	2659.3	2763.3
67°	2328.9	2614.4	2693.7
68°	2303.9	2532.8	2625.1
69°	2258.9	2516.8	2635.6
70°	2216.7	2483.9	2580.6
71°	2188.7	2477.1	2593.9
72°	2161.1	2409.9	2475.4
73°	2121.2	2377.9	2489.3
74°	2076.8	2332.8	2417.3
75°	2040.2	2276.4	2372.3
76°	1983.2	2213.0	2307.5
77°	1932.0	2183.0	2279.6
78°	1892.3	2113.3	2212.4
79°	1829.3	2068.9	2166.0
80°	1784.5	2046.1	2139.9
81°	1759.5	1998.5	2086.5
82°	1690.8	1926.3	2016.2
83°	1641.6	1878.1	1967.2
84°	1622.2	1861.1	1956.9
85°	1553.8	1785.1	1877.1
86°	1496.1	1717.8	1808.7
87°	1469.9	1693.7	1782.7
88°	1405.8	1645.2	1736.8
89°	1349.3	1566.9	1655.2

REPORT NUMBER: P1444958

CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	1327.2	1532.0	1604.5
91°	1283.9	1502.9	1584.8
92°	1245.7	1444.5	1531.4
93°	1234.9	1402.8	1477.7
94°	1217.4	1394.1	1460.9
95°	1194.2	1377.1	1448.1
96°	1172.1	1352.5	1419.6
97°	1141.1	1326.0	1396.8
98°	1118.2	1294.4	1361.2
99°	1094.3	1271.9	1336.0
100°	1067.5	1247.4	1319.9
101°	1043.4	1221.6	1287.9
102°	1018.2	1197.5	1263.0
103°	993.7	1173.6	1239.3
104°	966.5	1147.5	1211.0
105°	940.1	1118.1	1183.9
106°	913.8	1089.9	1155.0
107°	887.5	1061.0	1128.1
108°	858.0	1032.0	1097.4
109°	829.9	1000.8	1066.7
110°	803.2	971.0	1034.1
111°	775.8	946.3	1002.2
112°	750.4	915.9	972.4
113°	724.6	885.5	944.2
114°	699.6	856.7	916.0
115°	674.2	829.0	887.8
116°	650.2	802.7	857.7
117°	626.1	775.1	829.4
118°	602.7	748.9	802.1
119°	579.3	723.0	775.3
120°	557.5	696.1	748.0
121°	535.6	669.8	721.9
122°	513.9	645.5	694.4
123°	491.8	620.4	667.9
124°	470.6	596.2	643.8
125°	449.6	571.5	617.1
126°	428.2	548.2	591.6
127°	408.0	524.9	568.2
128°	388.1	500.9	543.3
129°	368.2	478.1	518.5
130°	348.1	456.2	495.5
131°	329.7	433.5	472.2
132°	310.7	411.4	449.3
133°	292.3	390.0	426.9
134°	274.6	368.9	404.7

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CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	256.6	348.7	383.4
136°	239.7	328.9	362.7
137°	223.5	309.3	342.1
138°	208.2	289.6	322.2
139°	194.1	271.1	302.2
140°	181.3	252.1	282.6
141°	168.2	232.6	262.7
142°	155.2	213.5	242.6
143°	143.0	193.8	222.4
144°	131.4	174.8	201.5
145°	120.4	156.8	181.0
146°	110.3	140.3	160.9
147°	101.2	125.2	141.2
148°	94.9	111.4	121.8
149°	88.6	100.0	105.7
150°	82.4	96.2	96.8
151°	79.0	92.7	96.1
152°	75.4	89.2	92.2
153°	71.0	84.7	88.3
154°	66.3	79.4	84.4
155°	61.7	73.9	78.5
156°	57.2	68.4	72.8
157°	53.0	63.4	67.3
158°	49.0	58.6	62.1
159°	45.0	54.0	57.3
160°	41.0	49.4	52.5
161°	37.2	45.0	47.8
162°	33.7	40.9	43.6
163°	30.3	37.0	39.5
164°	26.9	33.2	35.5
165°	23.2	29.5	31.7
166°	19.7	25.4	27.7
167°	16.4	21.3	23.3
168°	13.6	17.4	19.1
169°	10.9	14.4	15.6
170°	8.0	11.4	12.5
171°	5.1	8.3	9.3
172°	2.5	5.3	6.1
173°	1.1	2.2	2.9
174°	1.1	1.0	1.1
175°	1.1	1.0	1.0
176°	1.1	1.0	1.0
177°	1.1	1.1	1.0
178°	1.2	1.1	1.1
179°	1.2	1.1	1.1

REPORT NUMBER: P1444958

CATALOG NUMBER: CWP75 (45W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	1.1	1.1	1.1

(END OF REPORT)