

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: P1444955

Luminaire Tested: CWP75 (30W-4000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444955
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 (30W-4000K)
Description: COMPACT WALL PACK, 75W
SET TO 30W, 4000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4220 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U4 - G3

Input Watts (W): 28.4
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

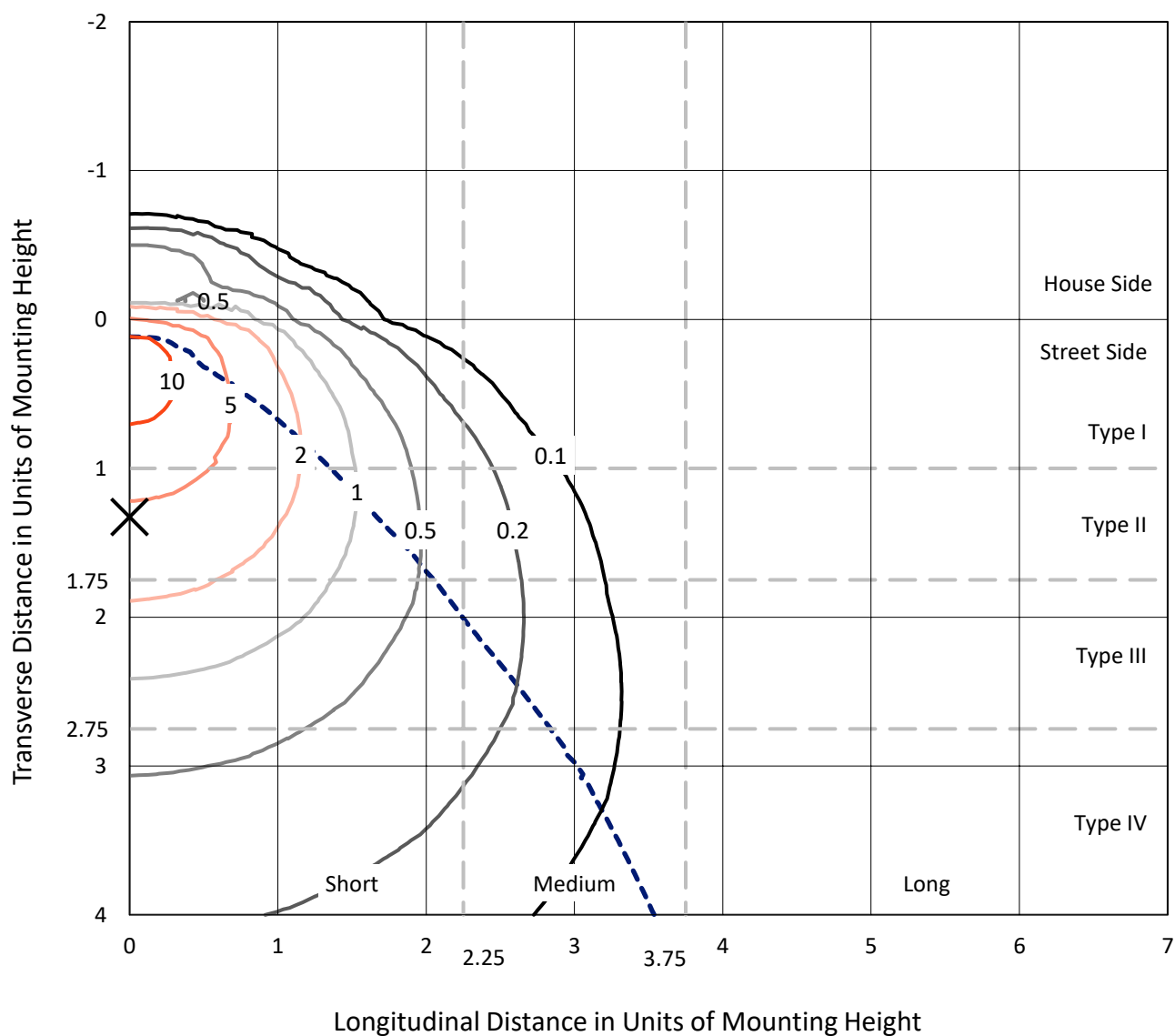


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

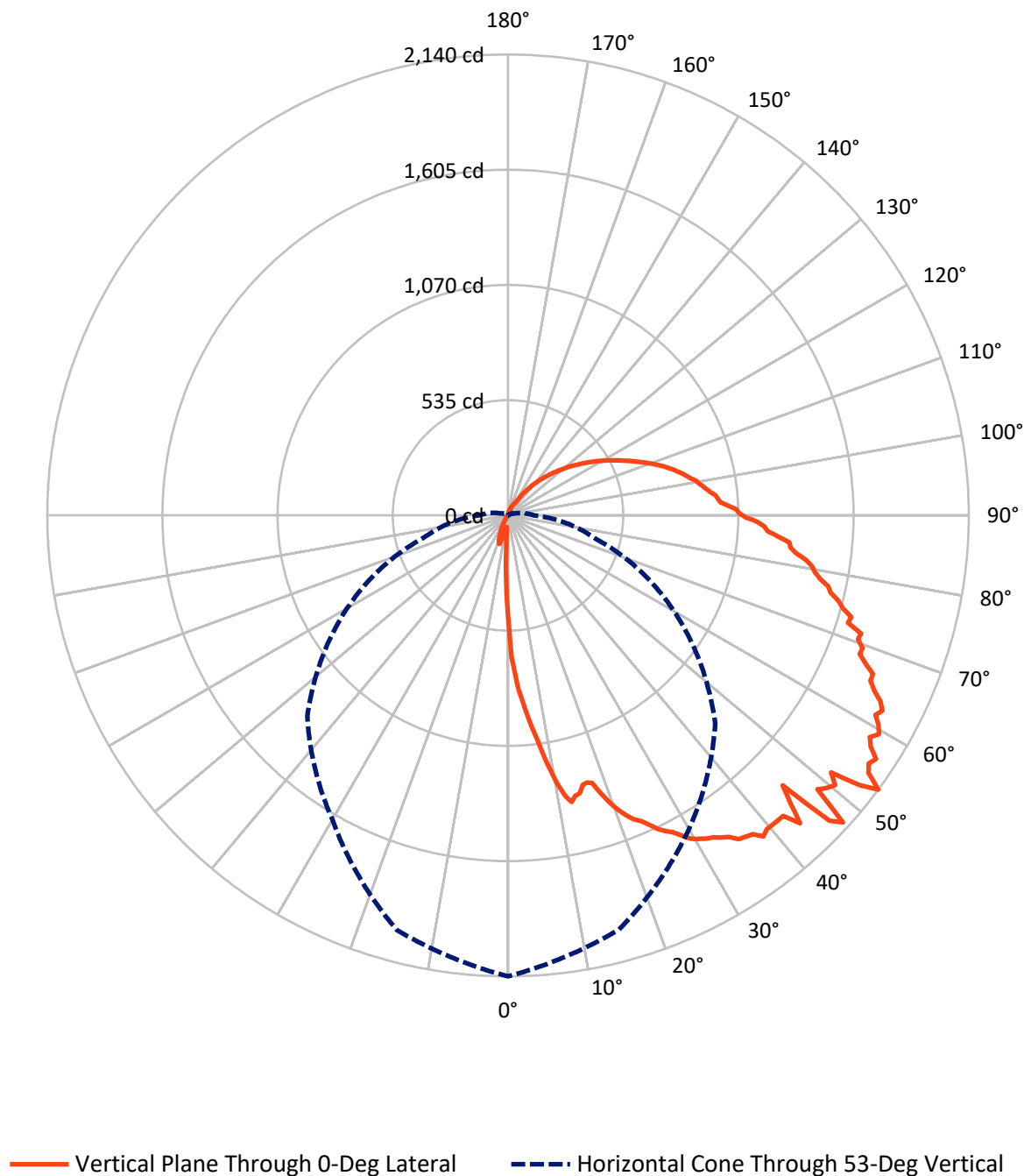


Based on 10 foot mounting height. Maximum calculated value = 12.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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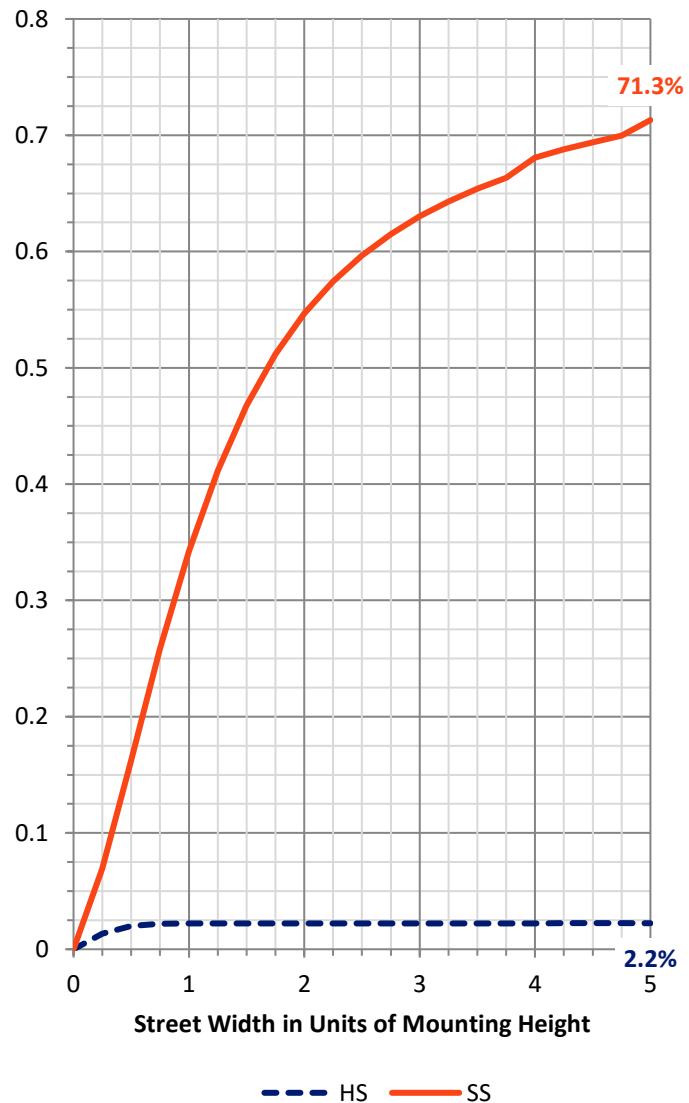
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	95.5	4.0	99.5
	% Fixture	2.3	0.1	2.4
Street Side	Lumens	3298.4	822.1	4120.5
	% Fixture	78.2	19.5	97.6
Total	Lumens	3393.9	826.1	4220.0
	% Fixture	80.4	19.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.5	1.2
10°-20°	169.6	4.0
20°-30°	295.0	7.0
30°-40°	410.7	9.7
40°-50°	493.9	11.7
50°-60°	550.0	13.0
60°-70°	551.4	13.1
70°-80°	488.6	11.6
80°-90°	385.1	9.1
90°-100°	293.5	7.0
100°-110°	221.0	5.2
110°-120°	148.0	3.5
120°-130°	89.2	2.1
130°-140°	46.7	1.1
140°-150°	19.1	0.5
150°-160°	6.8	0.2
160°-170°	1.7	0.0
170°-180°	0.1	0.0
0°-90°	3393.9	80.4
0°-180°	4220.0	100.0

Coefficient of Utilization



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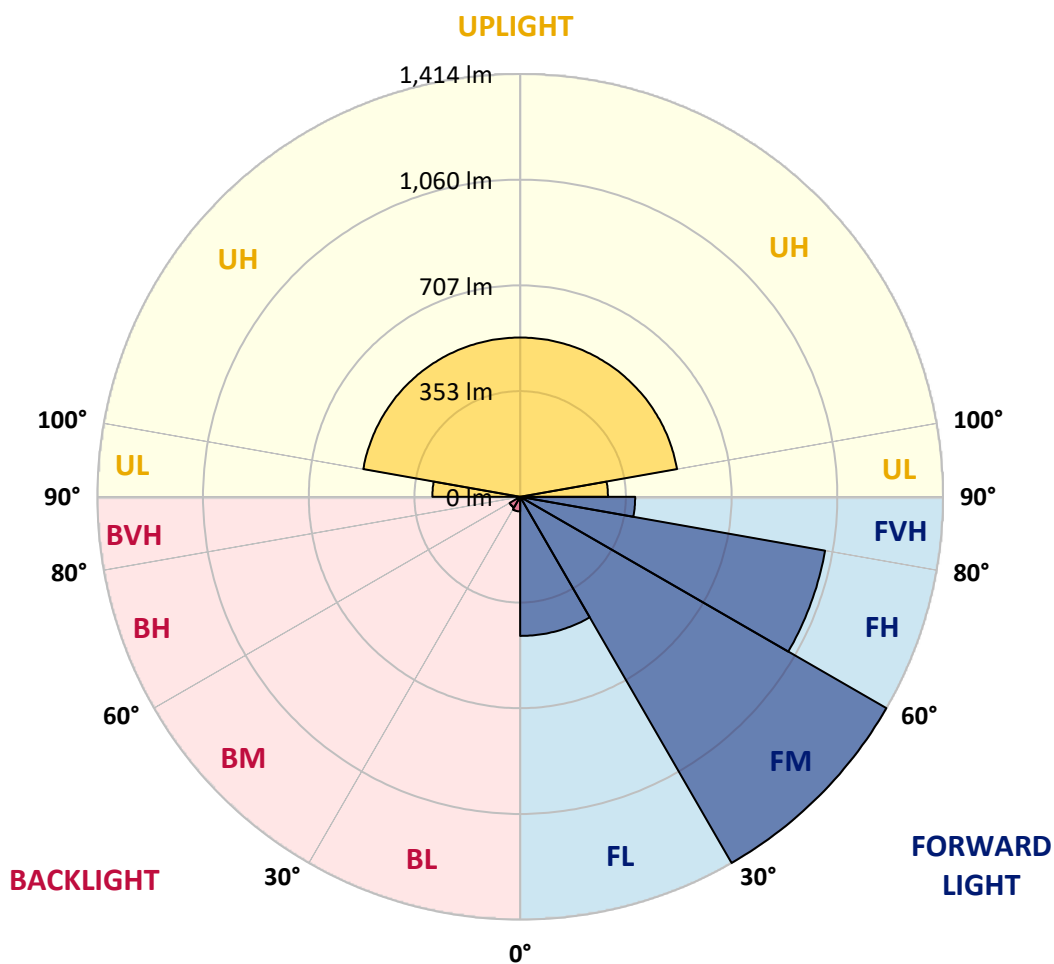
CATALOG NUMBER: CWP75 (30W-4000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	465.2	11.0			
FM	(30°-60°)	1413.7	33.5			
FH	(60°-80°)	1035.1	24.5			G1/1800
FVH	(80°-90°)	384.4	9.1			G3/500
BL	(0°-30°)	48.9	1.2	B0/110		
BM	(30°-60°)	41.0	1.0	B0/220		
BH	(60°-80°)	4.8	0.1	B0/110		G0/110
BVH	(80°-90°)	0.7	0.0			G0/10
UL	(90°-100°)	293.5	7.0		U3/500	
UH	(100°-180°)	532.6	12.6		U4/1000	

BUG Rating: B0-U4-G3

Type IV Short



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CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6
1°	660.0	660.5	650.0	630.0	599.0	566.8	496.1	470.6	444.3	421.0	407.6
2°	731.4	728.9	721.7	704.8	667.8	601.5	496.6	436.5	373.8	330.5	314.4
3°	811.0	804.2	778.6	742.5	712.6	636.9	495.6	398.8	316.4	260.3	221.1
4°	863.6	854.1	838.3	802.4	733.2	666.2	491.5	361.0	260.4	190.1	127.9
5°	930.2	923.1	892.3	840.3	770.3	695.9	493.5	332.2	204.3	120.8	85.5
6°	990.9	974.6	943.2	881.2	815.4	708.3	486.9	302.6	148.3	86.5	65.4
7°	1054.4	1041.1	993.7	931.0	834.2	716.5	483.6	273.0	118.1	67.1	58.5
8°	1129.2	1108.9	1052.1	964.3	858.2	731.2	482.4	240.7	92.3	60.1	55.1
9°	1201.9	1181.3	1114.3	1013.1	896.0	743.5	476.2	208.4	72.9	56.4	54.8
10°	1270.7	1250.0	1177.2	1051.2	916.7	758.6	471.5	176.1	64.1	54.7	56.7
11°	1328.0	1311.0	1234.6	1105.8	936.1	778.4	466.2	152.0	59.7	55.0	59.6
12°	1361.8	1350.9	1286.9	1148.2	971.9	783.5	457.5	132.6	57.3	57.0	63.1
13°	1338.7	1358.9	1325.3	1191.4	993.6	787.4	450.9	116.4	55.9	59.5	66.5
14°	1332.3	1331.3	1349.6	1232.5	1011.9	792.2	440.6	101.4	55.2	62.6	69.5
15°	1298.4	1301.1	1321.8	1275.2	1042.6	788.7	430.3	87.9	55.5	66.1	75.3
16°	1293.5	1299.4	1308.3	1297.8	1067.4	793.2	421.6	76.4	56.6	70.0	86.2
17°	1303.4	1279.1	1264.2	1303.6	1084.4	794.0	410.3	67.4	58.2	74.3	102.2
18°	1360.9	1316.1	1262.4	1271.0	1108.5	788.9	398.9	61.3	60.5	80.1	117.6
19°	1412.5	1370.5	1241.3	1247.9	1123.9	785.3	390.2	57.5	63.2	87.2	127.6
20°	1459.3	1426.7	1281.9	1206.8	1130.8	785.1	377.2	55.0	66.3	95.3	130.9
21°	1495.3	1463.6	1332.7	1183.1	1140.1	782.6	369.4	53.2	69.8	102.7	129.2
22°	1527.0	1491.4	1378.9	1168.5	1141.6	784.5	361.0	52.0	73.7	108.2	124.7
23°	1546.7	1516.4	1410.9	1155.1	1132.8	784.8	351.5	51.2	78.1	111.1	117.2
24°	1576.8	1545.1	1435.4	1177.3	1112.3	781.0	344.1	50.9	82.1	111.1	109.5
25°	1612.2	1574.4	1460.0	1209.6	1080.1	785.8	336.3	51.1	85.5	109.5	101.0
26°	1637.8	1602.5	1484.3	1237.5	1048.5	784.2	328.1	51.7	88.4	106.2	92.9
27°	1658.3	1625.7	1505.7	1259.9	1015.3	784.6	322.4	52.9	90.4	102.1	85.3
28°	1690.6	1649.9	1527.2	1276.0	983.4	788.5	316.1	54.6	91.9	97.3	77.4
29°	1724.5	1678.5	1546.8	1288.9	970.8	786.8	308.6	56.6	91.8	91.6	70.0
30°	1742.7	1705.6	1561.8	1300.5	945.4	787.2	303.2	58.8	90.7	85.4	62.2
31°	1759.1	1727.6	1581.9	1309.0	932.6	783.8	294.2	61.4	89.1	78.8	55.0
32°	1772.1	1747.7	1596.9	1310.7	939.5	781.3	287.4	63.9	86.6	71.9	47.8
33°	1793.0	1762.3	1614.2	1318.3	953.1	778.3	278.6	66.4	83.4	65.6	41.4
34°	1810.7	1772.7	1630.7	1326.2	962.2	771.2	271.1	68.6	79.7	59.1	35.1
35°	1845.9	1794.6	1642.4	1330.6	968.6	760.4	263.4	70.4	75.8	53.2	29.3
36°	1854.7	1818.4	1652.9	1330.1	973.0	754.6	256.0	71.7	71.5	47.2	25.0
37°	1865.9	1824.1	1668.8	1333.0	973.0	738.4	247.9	72.6	67.1	41.8	20.6
38°	1904.1	1848.0	1680.0	1333.7	968.8	724.5	239.9	72.7	62.6	36.5	16.3
39°	1889.3	1855.2	1681.8	1336.1	962.9	708.1	231.9	72.5	58.0	31.2	14.0
40°	1889.7	1858.3	1691.6	1336.7	962.0	690.1	224.2	71.7	53.6	26.5	12.1
41°	1890.6	1893.6	1685.7	1331.9	961.0	667.8	216.5	70.3	49.5	22.6	9.9
42°	1891.6	1882.8	1699.5	1332.5	959.1	644.3	208.8	68.4	45.3	18.7	8.2
43°	1969.9	1888.0	1713.6	1337.2	955.1	621.4	202.0	65.9	41.4	14.8	7.0
44°	1869.9	1908.8	1699.0	1339.2	953.4	596.1	195.0	63.3	37.7	12.2	5.5

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CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1787.5	1814.0	1708.4	1342.5	952.9	569.7	187.3	60.5	34.1	10.2	0.9
46°	2058.7	1823.2	1695.0	1344.0	950.4	543.8	178.9	57.6	30.9	8.0	0.4
47°	2109.5	1914.2	1648.9	1340.9	946.4	521.1	170.9	54.6	27.7	5.6	0.4
48°	1919.1	2006.8	1676.3	1343.4	939.1	496.3	161.9	51.5	24.4	3.8	0.4
49°	1947.4	1899.0	1743.5	1343.3	929.0	474.4	153.8	48.5	21.2	2.9	0.4
50°	1968.8	1903.6	1733.4	1321.8	923.2	458.5	144.4	45.5	17.9	1.7	0.4
51°	1916.7	1898.7	1709.3	1327.4	913.7	447.1	136.5	42.6	15.1	0.4	0.5
52°	2056.7	1878.9	1715.0	1359.0	900.4	436.0	127.0	39.8	12.6	0.4	0.5
53°	2139.6	1990.0	1681.1	1360.5	889.9	424.1	119.6	37.0	10.4	0.4	0.5
54°	2056.7	2036.6	1669.5	1345.1	871.6	409.4	112.0	34.2	8.3	0.4	0.5
55°	2032.2	1971.9	1727.8	1340.1	856.5	397.4	105.7	31.6	6.5	0.4	0.6
56°	2049.4	1961.2	1753.2	1331.3	858.2	384.3	98.8	29.0	4.9	0.4	0.6
57°	1997.3	1967.1	1741.9	1323.2	848.4	371.2	93.0	26.6	3.2	0.4	0.6
58°	1970.4	1925.6	1733.4	1337.0	825.4	358.9	86.9	24.2	2.1	0.5	0.6
59°	2000.1	1910.6	1716.6	1337.6	808.2	347.8	81.9	22.0	1.1	0.5	0.7
60°	1976.8	1931.1	1693.2	1328.8	791.4	340.7	76.3	19.7	0.4	0.5	0.7
61°	1941.9	1906.1	1687.0	1312.7	777.4	331.9	71.2	17.5	0.4	0.5	0.7
62°	1960.1	1880.3	1686.8	1297.4	769.2	320.2	66.1	15.6	0.4	0.6	0.7
63°	1932.1	1889.6	1680.4	1283.7	759.5	309.5	61.2	13.8	0.4	0.6	0.8
64°	1882.6	1859.3	1678.5	1269.5	745.5	300.4	56.4	12.1	0.4	0.6	0.8
65°	1849.8	1807.0	1673.9	1253.1	729.5	291.4	51.7	10.3	0.4	0.6	0.8
66°	1847.4	1790.8	1646.4	1244.0	712.8	284.4	47.4	8.5	0.4	0.7	0.9
67°	1798.0	1779.8	1610.9	1239.5	697.0	276.2	43.2	6.9	0.4	0.7	0.9
68°	1756.2	1718.6	1588.7	1224.6	684.1	266.9	39.3	5.3	0.4	0.7	0.9
69°	1757.7	1706.6	1556.9	1200.5	667.2	258.0	35.4	4.0	0.4	0.7	1.0
70°	1724.2	1679.0	1524.2	1182.8	655.9	249.2	31.8	2.8	0.5	0.7	1.0
71°	1729.2	1677.7	1509.7	1157.0	639.4	240.6	28.2	1.8	0.5	0.8	1.0
72°	1654.9	1630.9	1490.5	1132.6	622.2	233.1	24.9	1.0	0.5	0.8	1.1
73°	1663.5	1602.4	1476.0	1115.3	604.6	225.5	21.9	0.6	0.5	0.8	1.1
74°	1614.4	1579.7	1432.1	1099.3	583.9	217.1	18.9	0.5	0.5	0.8	1.1
75°	1584.7	1549.9	1404.9	1077.1	570.0	208.8	15.8	0.4	0.5	0.9	1.2
76°	1542.2	1507.3	1365.2	1056.7	553.9	199.9	13.4	0.4	0.6	0.9	1.2
77°	1523.2	1488.6	1329.4	1028.6	539.9	191.7	11.1	0.3	0.6	0.9	1.2
78°	1479.5	1440.9	1307.5	1001.0	524.7	184.6	9.1	0.3	0.6	0.9	1.2
79°	1449.8	1408.4	1263.9	973.7	505.7	177.0	7.3	0.3	0.6	1.0	1.3
80°	1432.0	1373.4	1232.4	942.9	488.1	169.0	5.7	0.3	0.6	1.0	1.3
81°	1398.8	1358.0	1209.1	917.9	470.0	161.4	4.4	0.3	0.6	1.0	1.3
82°	1350.7	1314.6	1170.0	898.0	453.8	153.6	3.3	0.3	0.7	1.0	1.4
83°	1319.8	1273.5	1128.1	866.2	441.3	146.3	2.4	0.3	0.7	1.0	1.4
84°	1312.3	1266.6	1112.0	838.9	422.4	139.8	1.7	0.3	0.7	1.1	1.4
85°	1257.9	1216.0	1076.9	821.0	416.4	135.0	1.1	0.3	0.7	1.1	1.4
86°	1209.2	1170.3	1031.3	782.2	396.1	128.0	0.7	0.4	0.7	1.1	1.4
87°	1192.1	1147.2	1009.8	765.0	384.9	123.2	0.4	0.4	0.7	1.1	1.5
88°	1159.5	1114.7	976.8	735.4	369.8	118.1	0.2	0.4	0.7	1.1	1.5
89°	1105.2	1062.3	931.2	706.5	359.6	114.1	0.2	0.4	0.8	1.2	1.5

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CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	1073.9	1034.1	911.3	689.8	349.2	110.6	0.2	0.4	0.8	1.2	1.5
91°	1060.6	1017.4	887.9	668.9	341.9	107.2	0.2	0.4	0.8	1.2	1.6
92°	1023.9	981.5	858.0	657.2	336.2	103.9	0.2	0.4	0.8	1.2	1.6
93°	989.8	952.2	845.6	648.2	329.5	100.3	0.2	0.4	0.8	1.2	1.6
94°	978.4	940.2	835.5	634.6	321.2	96.7	0.2	0.4	0.8	1.3	1.6
95°	968.5	928.4	819.2	620.9	311.6	92.8	0.2	0.5	0.9	1.3	1.6
96°	946.4	916.6	804.5	604.8	299.9	88.8	0.2	0.5	0.9	1.3	1.7
97°	930.3	900.6	784.7	584.4	289.3	84.9	0.2	0.5	0.9	1.3	1.7
98°	914.2	877.8	766.2	568.4	279.4	80.8	0.2	0.5	0.9	1.3	1.7
99°	898.4	862.0	750.8	551.3	269.6	77.4	0.2	0.5	0.9	1.3	1.7
100°	887.1	848.1	731.8	535.1	260.7	74.1	0.2	0.5	0.9	1.3	1.7
101°	865.0	828.4	714.6	519.0	250.9	70.8	0.2	0.5	0.9	1.3	1.7
102°	848.4	811.9	697.9	502.4	241.2	67.3	0.2	0.5	0.9	1.4	1.7
103°	831.9	795.2	680.6	485.6	231.6	64.1	0.2	0.5	0.9	1.4	1.7
104°	813.6	777.0	662.1	468.5	222.7	61.2	0.2	0.5	0.9	1.4	1.7
105°	796.2	758.3	643.1	450.9	213.9	58.5	0.2	0.5	0.9	1.4	1.8
106°	775.8	738.1	624.4	433.5	204.5	55.9	0.2	0.5	1.0	1.4	1.7
107°	757.5	719.3	604.7	417.0	195.9	53.3	0.2	0.5	1.0	1.4	1.7
108°	737.2	698.2	584.4	400.8	187.8	51.1	0.2	0.5	1.0	1.4	1.7
109°	714.8	677.9	565.1	384.8	180.0	49.0	0.2	0.6	1.0	1.4	1.7
110°	694.0	656.9	546.0	368.9	172.6	47.1	0.2	0.6	1.0	1.4	1.7
111°	672.8	635.8	527.5	353.7	165.6	45.2	0.3	0.6	1.0	1.4	1.7
112°	652.0	615.6	509.4	339.2	158.8	43.5	0.3	0.6	1.0	1.4	1.7
113°	631.3	595.9	491.6	324.9	151.7	41.6	0.3	0.6	0.9	1.3	1.7
114°	611.2	576.1	474.5	310.9	144.8	39.7	0.3	0.6	0.9	1.3	1.7
115°	591.2	557.4	457.6	297.7	137.8	37.8	0.3	0.6	0.9	1.3	1.6
116°	572.4	539.3	441.2	284.7	131.4	35.8	0.3	0.6	0.9	1.3	1.6
117°	553.6	520.9	424.8	272.0	125.4	34.0	0.3	0.6	0.9	1.3	1.6
118°	535.0	503.1	408.4	260.0	120.2	32.2	0.3	0.6	0.9	1.3	1.6
119°	516.7	485.2	393.1	248.0	115.0	30.1	0.3	0.6	0.9	1.3	1.6
120°	498.9	467.6	377.8	236.6	109.6	28.0	0.3	0.6	0.9	1.3	1.6
121°	480.8	449.8	362.5	225.6	104.2	26.2	0.3	0.6	0.9	1.3	1.6
122°	462.7	432.7	347.8	214.7	98.9	24.8	0.3	0.6	0.9	1.3	1.6
123°	445.7	416.5	333.0	203.9	93.5	23.5	0.3	0.6	0.9	1.3	1.6
124°	428.2	399.8	318.7	193.3	88.0	22.5	0.3	0.6	0.9	1.3	1.6
125°	410.9	383.3	304.4	183.5	82.6	21.7	0.3	0.6	0.9	1.3	1.6
126°	393.9	367.0	290.2	174.9	77.9	20.8	0.3	0.6	0.9	1.3	1.6
127°	378.0	351.5	276.4	166.7	73.8	20.0	0.3	0.6	1.0	1.3	1.6
128°	361.8	336.0	262.7	158.2	70.2	19.2	0.4	0.6	1.0	1.3	1.6
129°	345.4	320.5	249.6	150.1	67.3	18.6	0.4	0.6	1.0	1.3	1.6
130°	329.9	305.6	236.3	142.5	64.9	18.1	0.4	0.7	1.0	1.3	1.6
131°	314.1	290.4	223.4	135.0	63.1	17.6	0.4	0.7	1.0	1.3	1.6
132°	299.2	275.7	210.7	127.8	60.9	17.1	0.4	0.7	1.0	1.3	1.6
133°	284.0	261.3	198.1	120.5	58.0	16.6	0.4	0.7	1.0	1.3	1.6
134°	269.5	247.0	186.0	113.5	54.7	15.9	0.4	0.7	1.0	1.3	1.6

REPORT NUMBER: P1444955

CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	254.8	233.4	174.3	106.8	51.7	15.2	0.5	0.7	1.0	1.3	1.6
136°	241.0	219.9	163.1	100.4	49.0	14.4	0.5	0.7	1.0	1.3	1.6
137°	227.4	206.9	152.5	94.5	46.3	13.7	0.5	0.7	1.0	1.4	1.6
138°	214.0	194.2	142.2	88.7	44.0	12.9	0.5	0.8	1.1	1.4	1.6
139°	201.1	181.7	132.7	82.8	41.8	12.1	0.5	0.8	1.1	1.4	1.6
140°	188.2	169.0	123.8	77.8	39.8	11.4	0.6	0.8	1.1	1.4	1.6
141°	174.8	155.9	114.9	73.1	38.1	10.7	0.6	0.8	1.1	1.4	1.6
142°	161.2	142.9	106.3	68.7	36.5	9.9	0.6	0.8	1.1	1.4	1.6
143°	147.6	130.0	98.0	64.9	35.1	9.1	0.6	0.9	1.1	1.4	1.6
144°	133.8	117.3	90.7	61.5	34.0	8.4	0.6	0.9	1.1	1.4	1.6
145°	120.0	105.5	83.3	58.1	32.5	7.7	0.7	0.9	1.1	1.4	1.6
146°	106.6	94.6	75.9	54.7	30.6	7.0	0.7	0.9	1.1	1.4	1.6
147°	93.9	84.8	69.7	51.7	28.3	6.2	0.7	0.9	1.1	1.4	1.6
148°	81.9	75.1	64.1	49.2	26.0	5.6	0.7	0.9	1.1	1.4	1.6
149°	69.8	67.2	59.3	47.0	24.0	4.9	0.8	0.9	1.2	1.4	1.6
150°	64.3	62.3	55.9	44.6	22.1	4.4	0.8	1.0	1.2	1.3	1.5
151°	64.2	60.7	53.7	42.0	20.4	3.9	0.8	1.0	1.2	1.3	1.5
152°	63.2	59.7	51.4	39.4	19.0	3.5	0.8	1.0	1.2	1.3	1.5
153°	59.9	56.8	48.5	36.8	17.5	3.0	0.9	1.0	1.2	1.3	1.5
154°	56.1	53.4	45.3	34.3	16.2	2.6	0.9	1.0	1.1	1.3	1.4
155°	52.1	49.6	42.1	31.5	14.9	2.1	0.9	1.0	1.1	1.3	1.4
156°	48.4	46.0	38.9	28.5	13.7	1.6	0.9	1.0	1.1	1.2	1.4
157°	44.7	42.5	36.0	25.7	12.5	1.2	0.9	1.0	1.1	1.2	1.3
158°	41.3	39.3	33.2	22.9	11.4	0.9	1.0	1.0	1.1	1.2	1.3
159°	38.0	36.2	30.5	20.2	10.4	0.9	1.0	1.0	1.1	1.2	1.3
160°	34.8	33.2	27.9	17.9	9.4	0.9	1.0	1.0	1.1	1.2	1.2
161°	31.8	30.2	25.0	15.9	8.3	0.9	1.0	1.0	1.1	1.2	1.2
162°	28.9	27.5	22.2	14.0	7.3	0.9	1.0	1.1	1.1	1.2	1.2
163°	26.1	24.8	19.5	12.4	6.2	0.9	1.0	1.1	1.1	1.1	1.1
164°	23.5	22.3	16.9	11.0	5.0	0.9	1.0	1.1	1.1	1.1	1.1
165°	20.9	19.6	14.6	9.7	3.8	0.9	1.1	1.1	1.1	1.1	1.1
166°	18.2	16.9	12.4	8.5	2.7	0.9	1.1	1.1	1.1	1.1	1.1
167°	15.2	14.0	10.6	7.2	1.8	0.9	1.1	1.1	1.1	1.1	1.0
168°	12.4	11.5	9.1	5.8	1.0	1.0	1.1	1.1	1.1	1.1	1.0
169°	10.1	9.6	7.7	4.2	0.9	1.0	1.1	1.1	1.1	1.1	1.0
170°	8.2	7.7	6.0	2.6	0.9	0.9	1.1	1.1	1.1	1.0	1.0
171°	6.3	5.9	4.0	1.3	0.9	0.9	1.1	1.1	1.1	1.0	1.0
172°	4.0	3.6	2.1	0.8	0.9	0.9	1.1	1.1	1.1	1.0	1.0
173°	1.9	1.6	0.8	0.8	0.9	0.9	1.1	1.1	1.1	1.0	0.9
174°	0.7	0.7	0.7	0.8	0.9	1.0	1.1	1.1	1.1	1.0	0.9
175°	0.6	0.7	0.7	0.8	0.9	1.0	1.1	1.1	1.0	1.0	0.9
176°	0.7	0.7	0.7	0.8	0.9	0.9	1.1	1.1	1.0	1.0	0.9
177°	0.7	0.7	0.7	0.8	0.9	0.9	1.1	1.1	1.0	1.0	0.9
178°	0.7	0.7	0.7	0.8	0.8	0.9	1.1	1.1	1.0	1.0	0.9
179°	0.7	0.7	0.7	0.8	0.8	0.9	1.1	1.1	1.0	1.0	0.9



REPORT NUMBER: P1444955
CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

REPORT NUMBER: P1444955

CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6	521.6
1°	400.2	402.4	412.7	431.6	455.4	482.0	507.3	500.1	531.9	566.1	601.2
2°	302.8	303.1	312.9	333.3	356.4	413.8	476.2	499.0	562.6	635.7	690.3
3°	205.3	203.8	213.1	235.0	282.2	347.7	446.2	501.5	600.3	694.8	727.7
4°	109.7	105.5	114.4	136.8	207.9	295.4	407.5	500.4	636.4	720.1	786.6
5°	72.1	69.7	74.3	92.8	133.8	234.5	369.9	497.7	664.9	747.4	829.2
6°	60.8	59.7	61.2	67.2	96.7	173.9	338.6	499.1	689.7	790.9	864.6
7°	55.9	55.5	56.1	59.3	71.1	135.5	309.9	495.8	701.0	820.7	913.6
8°	54.8	54.9	54.5	55.3	61.5	108.6	281.8	492.0	707.4	838.2	948.0
9°	56.6	57.3	56.1	54.2	57.2	84.7	250.4	488.2	720.0	869.4	998.7
10°	59.8	60.9	59.2	55.7	54.9	69.2	219.1	480.7	729.6	898.2	1033.0
11°	63.7	64.8	63.1	58.5	54.3	62.4	187.8	474.4	743.1	912.9	1075.9
12°	66.5	66.8	66.2	61.9	55.7	58.5	160.4	465.5	750.8	934.9	1126.9
13°	68.4	68.3	68.6	65.8	58.1	56.0	138.5	458.0	750.9	958.0	1166.9
14°	74.2	76.3	74.2	69.0	60.8	54.4	120.7	449.4	751.4	974.6	1207.5
15°	89.1	95.4	88.3	73.4	64.1	53.7	105.4	440.2	751.4	997.3	1243.3
16°	112.5	122.0	108.9	82.1	67.7	53.6	91.1	432.2	751.2	1020.9	1261.0
17°	131.8	137.9	129.2	95.2	71.4	54.6	79.0	421.9	752.0	1038.4	1269.6
18°	139.0	137.2	137.1	109.4	76.3	56.3	69.1	413.4	748.6	1053.9	1235.9
19°	135.6	133.5	134.9	119.3	82.3	58.8	61.8	405.4	744.8	1067.8	1212.3
20°	131.7	125.1	131.0	124.5	89.0	62.1	56.9	395.9	746.4	1082.0	1171.2
21°	123.0	116.3	122.5	125.0	95.0	65.8	53.5	388.8	746.3	1089.3	1150.9
22°	113.8	106.6	113.8	121.3	100.0	69.8	51.3	382.2	748.4	1090.0	1129.2
23°	104.5	96.1	104.6	115.2	103.1	73.5	49.5	375.9	748.0	1085.1	1115.3
24°	95.5	88.5	94.8	107.7	103.7	76.9	48.2	371.2	746.8	1061.4	1144.4
25°	87.3	80.2	87.4	99.8	102.5	80.0	47.6	367.5	748.6	1027.9	1172.7
26°	79.8	72.7	79.3	91.4	100.2	82.8	47.5	361.0	751.6	1006.8	1202.2
27°	72.7	66.2	72.3	83.5	96.6	84.8	47.8	356.0	750.0	970.4	1226.1
28°	65.6	58.8	65.0	75.8	92.3	86.0	48.6	349.8	752.3	942.7	1240.6
29°	58.4	52.2	57.7	68.1	87.3	86.3	49.8	344.0	752.7	930.8	1247.5
30°	51.1	43.0	50.4	60.7	82.0	85.8	51.4	338.4	752.2	906.3	1257.2
31°	41.7	32.6	41.6	53.8	76.2	84.4	53.5	330.2	748.9	897.3	1265.0
32°	33.6	28.0	33.2	47.5	70.1	82.4	55.5	323.3	743.5	907.4	1273.9
33°	26.8	23.4	26.3	41.1	63.7	79.5	57.4	317.5	736.4	921.1	1279.8
34°	23.2	18.9	22.8	34.8	57.5	75.8	59.3	308.2	732.4	931.4	1283.0
35°	19.5	17.3	19.4	29.0	51.7	72.2	60.9	303.7	724.4	938.3	1285.8
36°	15.8	15.5	15.9	24.8	46.0	68.2	62.3	293.5	712.2	939.3	1288.6
37°	14.2	12.5	14.2	20.6	40.6	64.1	63.1	286.5	702.2	937.7	1289.8
38°	11.8	11.0	11.7	16.4	35.8	59.8	63.4	277.0	691.7	933.3	1291.9
39°	10.3	9.8	10.1	13.6	30.9	55.6	63.5	269.3	678.4	931.2	1291.2
40°	9.2	7.6	9.0	11.7	25.9	51.4	63.0	261.1	655.8	930.2	1290.9
41°	7.0	1.1	7.0	9.6	22.2	47.5	61.8	252.9	633.9	929.1	1291.9
42°	0.9	0.4	1.0	7.8	18.5	43.7	60.4	245.0	613.2	928.8	1295.8
43°	0.4	0.4	0.4	6.5	14.8	40.2	58.8	235.1	589.7	927.9	1295.4
44°	0.4	0.4	0.4	4.9	12.0	36.7	57.0	227.0	560.2	926.7	1299.1

REPORT NUMBER: P1444955

CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.4	0.4	0.4	1.0	9.7	33.4	55.0	215.8	537.3	924.6	1302.6
46°	0.4	0.5	0.5	0.4	7.7	30.2	52.9	207.0	515.2	920.4	1303.5
47°	0.5	0.5	0.5	0.4	5.6	27.2	50.7	196.0	487.8	916.1	1304.5
48°	0.5	0.5	0.5	0.4	3.6	24.1	48.2	186.2	467.4	911.1	1306.4
49°	0.5	0.5	0.5	0.5	2.6	21.0	45.5	175.0	453.2	903.8	1295.3
50°	0.5	0.6	0.5	0.5	1.6	17.9	42.8	164.9	443.8	894.3	1288.1
51°	0.6	0.6	0.6	0.5	0.4	15.2	40.0	154.0	432.7	884.9	1307.4
52°	0.6	0.6	0.6	0.5	0.4	12.8	37.3	144.3	421.2	875.7	1326.0
53°	0.6	0.6	0.6	0.5	0.4	10.6	34.8	134.9	408.4	862.3	1317.8
54°	0.6	0.7	0.7	0.6	0.4	8.5	32.2	126.4	395.3	849.2	1310.6
55°	0.7	0.7	0.7	0.6	0.5	6.7	29.8	118.1	382.0	842.1	1302.1
56°	0.7	0.7	0.7	0.6	0.5	5.0	27.3	110.2	370.0	834.6	1293.4
57°	0.7	0.8	0.7	0.6	0.5	3.4	25.0	103.1	358.7	815.5	1295.4
58°	0.7	0.8	0.8	0.7	0.5	2.2	22.8	96.1	348.6	800.2	1306.9
59°	0.8	0.8	0.8	0.7	0.5	1.2	20.7	90.1	340.6	784.7	1305.2
60°	0.8	0.9	0.8	0.7	0.6	0.5	18.5	84.1	330.7	773.4	1289.2
61°	0.8	0.9	0.9	0.8	0.6	0.4	16.6	78.1	319.8	764.0	1275.4
62°	0.9	0.9	0.9	0.8	0.6	0.4	14.9	73.0	309.9	753.8	1259.2
63°	0.9	1.0	0.9	0.8	0.6	0.4	13.2	68.0	301.1	742.7	1250.0
64°	1.0	1.0	1.0	0.9	0.7	0.4	11.7	63.8	292.6	729.0	1245.6
65°	1.0	1.0	1.0	0.9	0.7	0.4	10.2	59.3	284.1	712.9	1229.3
66°	1.0	1.1	1.0	0.9	0.7	0.4	8.5	54.7	276.0	697.2	1218.3
67°	1.1	1.1	1.1	0.9	0.7	0.5	6.9	50.6	267.5	682.0	1208.7
68°	1.1	1.2	1.1	1.0	0.7	0.5	5.4	46.3	258.7	667.6	1188.7
69°	1.1	1.2	1.2	1.0	0.8	0.5	4.1	42.1	250.5	654.5	1171.9
70°	1.2	1.2	1.2	1.0	0.8	0.5	2.9	38.2	242.2	639.3	1151.9
71°	1.2	1.3	1.2	1.1	0.8	0.5	1.9	34.6	234.1	622.7	1128.1
72°	1.2	1.3	1.3	1.1	0.8	0.5	1.1	31.2	226.6	606.3	1105.9
73°	1.3	1.3	1.3	1.1	0.9	0.5	0.7	28.1	218.5	587.0	1088.5
74°	1.3	1.4	1.3	1.2	0.9	0.6	0.6	25.2	210.4	570.3	1069.8
75°	1.3	1.4	1.4	1.2	0.9	0.6	0.5	22.5	201.6	554.8	1049.1
76°	1.4	1.5	1.4	1.2	0.9	0.6	0.4	19.9	193.0	538.5	1026.8
77°	1.4	1.5	1.4	1.2	0.9	0.6	0.4	17.4	185.2	522.9	997.5
78°	1.4	1.5	1.5	1.3	1.0	0.6	0.3	15.1	177.4	504.3	969.7
79°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	12.9	169.4	486.1	941.8
80°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	10.8	161.1	468.2	908.7
81°	1.5	1.6	1.6	1.4	1.0	0.7	0.3	9.0	153.2	450.7	890.4
82°	1.6	1.6	1.6	1.4	1.0	0.7	0.3	7.1	146.4	438.1	862.7
83°	1.6	1.7	1.6	1.4	1.1	0.7	0.4	5.5	139.6	420.5	833.4
84°	1.6	1.7	1.6	1.4	1.1	0.7	0.4	4.1	134.3	411.7	816.7
85°	1.6	1.7	1.6	1.4	1.1	0.7	0.4	2.9	127.5	392.5	779.5
86°	1.6	1.7	1.7	1.5	1.1	0.7	0.4	1.9	122.6	381.7	758.8
87°	1.7	1.8	1.7	1.5	1.1	0.7	0.4	1.1	117.6	367.3	733.1
88°	1.7	1.8	1.7	1.5	1.1	0.7	0.4	0.6	113.7	355.5	700.8
89°	1.7	1.8	1.8	1.5	1.2	0.7	0.4	0.4	110.1	345.3	682.5

REPORT NUMBER: P1444955

CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	1.8	1.8	1.8	1.6	1.2	0.8	0.4	0.3	107.0	337.7	663.7
91°	1.8	1.9	1.8	1.6	1.2	0.8	0.4	0.2	103.8	332.1	648.0
92°	1.8	1.9	1.8	1.6	1.2	0.8	0.4	0.2	100.3	325.6	640.6
93°	1.8	1.9	1.9	1.6	1.2	0.8	0.4	0.2	96.7	318.5	630.0
94°	1.9	1.9	1.9	1.6	1.2	0.8	0.4	0.1	92.9	308.7	616.5
95°	1.9	2.0	1.9	1.7	1.3	0.8	0.5	0.1	89.1	298.3	601.4
96°	1.9	2.0	1.9	1.7	1.3	0.8	0.5	0.1	85.3	288.1	583.4
97°	1.9	2.0	1.9	1.7	1.3	0.8	0.5	0.1	81.3	278.0	566.5
98°	1.9	2.0	2.0	1.7	1.3	0.9	0.5	0.1	77.9	268.6	550.7
99°	2.0	2.1	2.0	1.7	1.3	0.9	0.5	0.1	74.6	259.9	533.9
100°	2.0	2.1	2.0	1.7	1.3	0.9	0.5	0.1	71.3	250.6	518.9
101°	2.0	2.1	2.0	1.7	1.3	0.9	0.5	0.1	67.9	240.9	502.9
102°	2.0	2.1	2.0	1.8	1.3	0.9	0.5	0.2	64.6	231.6	487.2
103°	2.0	2.1	2.0	1.8	1.4	0.9	0.5	0.2	61.6	223.0	470.9
104°	2.0	2.1	2.0	1.8	1.4	0.9	0.5	0.2	59.0	214.3	454.2
105°	2.0	2.1	2.0	1.8	1.4	0.9	0.6	0.2	56.3	205.4	437.1
106°	2.0	2.1	2.0	1.8	1.4	0.9	0.6	0.2	53.7	196.8	420.5
107°	2.0	2.1	2.0	1.8	1.4	0.9	0.6	0.2	51.4	188.8	404.6
108°	2.0	2.1	2.0	1.8	1.4	0.9	0.6	0.2	49.2	181.2	388.6
109°	2.0	2.1	2.0	1.8	1.4	0.9	0.6	0.2	47.3	174.0	373.6
110°	2.0	2.1	2.0	1.8	1.4	1.0	0.6	0.2	45.3	167.0	358.7
111°	2.0	2.1	2.0	1.8	1.4	1.0	0.6	0.2	43.6	160.2	343.5
112°	2.0	2.1	2.0	1.8	1.4	1.0	0.6	0.2	41.7	153.4	329.6
113°	1.9	2.1	2.0	1.7	1.4	1.0	0.6	0.2	39.8	146.5	315.9
114°	1.9	2.0	2.0	1.7	1.3	1.0	0.6	0.2	37.9	139.5	302.3
115°	1.9	2.0	1.9	1.7	1.3	1.0	0.6	0.2	35.9	132.8	288.9
116°	1.9	2.0	1.9	1.7	1.3	1.0	0.6	0.2	34.1	127.0	276.2
117°	1.9	2.0	1.9	1.7	1.3	1.0	0.6	0.2	32.3	121.5	263.9
118°	1.9	2.0	1.9	1.7	1.3	1.0	0.6	0.2	30.3	116.2	252.0
119°	1.8	2.0	1.9	1.7	1.3	1.0	0.6	0.2	28.4	111.1	240.5
120°	1.8	1.9	1.9	1.7	1.3	1.0	0.7	0.2	26.5	105.9	229.3
121°	1.8	1.9	1.9	1.7	1.3	1.0	0.7	0.2	24.9	100.5	219.0
122°	1.8	1.9	1.9	1.7	1.4	1.0	0.7	0.2	23.5	95.1	208.2
123°	1.8	1.9	1.9	1.7	1.4	1.0	0.7	0.2	22.5	89.8	197.6
124°	1.8	1.9	1.9	1.7	1.4	1.0	0.7	0.2	21.6	84.4	187.5
125°	1.8	1.9	1.9	1.7	1.4	1.1	0.7	0.2	20.9	79.5	178.4
126°	1.8	1.9	1.9	1.7	1.4	1.1	0.7	0.2	20.1	75.0	170.5
127°	1.8	1.9	1.9	1.7	1.4	1.1	0.8	0.2	19.3	71.1	162.0
128°	1.8	1.9	1.9	1.7	1.4	1.1	0.8	0.2	18.6	67.8	153.7
129°	1.8	1.9	1.9	1.7	1.5	1.1	0.8	0.3	18.0	65.2	145.8
130°	1.8	1.9	1.9	1.7	1.5	1.1	0.8	0.3	17.6	63.3	138.2
131°	1.8	1.9	1.9	1.8	1.5	1.2	0.8	0.3	17.1	61.3	130.6
132°	1.8	1.9	1.9	1.8	1.5	1.2	0.8	0.3	16.7	58.4	123.5
133°	1.8	1.9	1.9	1.8	1.5	1.2	0.9	0.3	16.1	55.1	116.4
134°	1.8	1.9	1.9	1.8	1.5	1.2	0.9	0.3	15.3	51.9	109.9

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CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	1.8	1.9	1.9	1.8	1.5	1.2	0.9	0.3	14.6	49.0	103.3
136°	1.8	1.9	1.9	1.8	1.5	1.2	0.9	0.3	13.9	46.4	97.0
137°	1.8	1.9	1.9	1.8	1.5	1.2	0.9	0.4	13.1	44.1	91.2
138°	1.8	1.9	1.9	1.8	1.6	1.3	0.9	0.4	12.2	42.0	85.5
139°	1.8	1.9	1.9	1.8	1.6	1.3	1.0	0.4	11.4	39.9	79.7
140°	1.8	1.9	1.9	1.8	1.6	1.3	1.0	0.4	10.6	38.1	74.8
141°	1.8	1.9	1.9	1.8	1.6	1.3	1.0	0.4	9.8	36.5	70.2
142°	1.8	1.9	1.9	1.8	1.6	1.3	1.0	0.4	9.0	35.1	66.3
143°	1.8	1.9	1.9	1.8	1.6	1.3	1.0	0.4	8.2	34.0	62.8
144°	1.8	1.9	1.9	1.8	1.6	1.3	1.1	0.5	7.4	32.7	59.7
145°	1.8	1.9	1.9	1.8	1.6	1.3	1.1	0.5	6.7	31.2	56.6
146°	1.8	1.8	1.8	1.8	1.6	1.3	1.1	0.5	6.0	29.5	53.4
147°	1.7	1.8	1.8	1.7	1.6	1.4	1.1	0.5	5.4	27.6	50.6
148°	1.7	1.8	1.8	1.7	1.6	1.4	1.2	0.5	4.8	25.8	48.1
149°	1.7	1.8	1.8	1.7	1.6	1.4	1.2	0.5	4.2	24.2	45.6
150°	1.7	1.8	1.8	1.7	1.6	1.4	1.2	0.6	3.8	22.7	43.1
151°	1.6	1.7	1.7	1.7	1.6	1.4	1.2	0.6	3.3	21.2	40.5
152°	1.6	1.7	1.7	1.7	1.6	1.4	1.2	0.6	2.9	19.8	37.9
153°	1.6	1.6	1.7	1.6	1.5	1.4	1.3	0.6	2.4	18.4	35.4
154°	1.5	1.6	1.6	1.6	1.5	1.4	1.3	0.7	1.9	17.0	32.9
155°	1.5	1.6	1.6	1.6	1.5	1.4	1.3	0.7	1.5	15.5	30.3
156°	1.5	1.5	1.5	1.5	1.5	1.4	1.3	0.7	1.0	14.0	27.8
157°	1.4	1.5	1.5	1.5	1.5	1.4	1.3	0.7	0.7	12.6	25.5
158°	1.4	1.4	1.5	1.5	1.5	1.4	1.3	0.7	0.7	11.2	23.2
159°	1.3	1.4	1.4	1.4	1.4	1.4	1.3	0.8	0.7	10.0	21.0
160°	1.3	1.3	1.4	1.4	1.4	1.4	1.3	0.8	0.7	8.8	18.8
161°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.8	0.7	7.6	16.8
162°	1.2	1.2	1.2	1.3	1.3	1.3	1.3	0.8	0.7	6.6	14.8
163°	1.2	1.1	1.2	1.2	1.2	1.3	1.3	0.8	0.8	5.4	12.8
164°	1.1	1.1	1.1	1.1	1.2	1.2	1.3	0.8	0.8	4.1	11.0
165°	1.1	1.0	1.0	1.1	1.1	1.2	1.2	0.9	0.8	2.9	9.5
166°	1.0	1.0	1.0	1.0	1.1	1.1	1.2	0.9	0.8	1.9	8.0
167°	1.0	0.9	0.9	1.0	1.0	1.1	1.2	0.9	0.8	1.1	6.5
168°	1.0	0.9	0.9	0.9	1.0	1.0	1.1	0.9	0.8	0.8	5.0
169°	0.9	0.9	0.8	0.8	0.9	1.0	1.1	0.9	0.9	0.8	3.3
170°	0.9	0.8	0.8	0.8	0.9	1.0	1.1	0.9	0.9	0.8	1.9
171°	0.9	0.8	0.8	0.8	0.8	0.9	1.1	0.9	0.9	0.8	0.9
172°	0.9	0.8	0.8	0.8	0.8	0.9	1.0	0.9	0.9	0.8	0.7
173°	0.9	0.8	0.7	0.7	0.8	0.9	1.0	0.9	0.9	0.8	0.8
174°	0.9	0.8	0.7	0.7	0.8	0.9	1.0	1.0	0.9	0.9	0.8
175°	0.9	0.8	0.7	0.7	0.8	0.9	1.0	1.0	0.9	0.9	0.8
176°	0.8	0.8	0.7	0.7	0.7	0.8	0.9	1.0	0.9	0.9	0.8
177°	0.8	0.8	0.7	0.7	0.7	0.8	0.9	1.0	1.0	0.9	0.8
178°	0.8	0.8	0.7	0.7	0.7	0.8	0.8	1.0	1.0	0.9	0.9
179°	0.8	0.8	0.7	0.7	0.7	0.7	0.8	1.1	1.0	1.0	0.9



REPORT NUMBER: P1444955
CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

REPORT NUMBER: P1444955

CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	521.6	521.6	521.6
1°	631.0	652.8	660.0
2°	714.5	726.4	731.4
3°	766.2	799.1	811.0
4°	829.4	850.8	863.6
5°	879.2	917.5	930.2
6°	933.3	968.3	990.9
7°	984.3	1033.4	1054.4
8°	1039.1	1101.1	1129.2
9°	1097.9	1174.8	1201.9
10°	1161.0	1240.0	1270.7
11°	1217.8	1304.2	1328.0
12°	1272.3	1344.5	1361.8
13°	1310.6	1353.4	1338.7
14°	1333.9	1323.4	1332.3
15°	1302.2	1292.1	1298.4
16°	1285.2	1290.7	1293.5
17°	1242.5	1273.6	1303.4
18°	1247.2	1314.6	1360.9
19°	1227.2	1365.7	1412.5
20°	1269.6	1418.9	1459.3
21°	1316.9	1456.3	1495.3
22°	1361.2	1489.0	1527.0
23°	1392.1	1512.6	1546.7
24°	1415.2	1538.5	1576.8
25°	1439.1	1569.6	1612.2
26°	1462.4	1597.3	1637.8
27°	1484.8	1614.6	1658.3
28°	1504.4	1639.7	1690.6
29°	1523.6	1664.5	1724.5
30°	1537.7	1688.1	1742.7
31°	1553.3	1711.5	1759.1
32°	1570.9	1726.2	1772.1
33°	1583.7	1740.2	1793.0
34°	1597.4	1763.4	1810.7
35°	1615.0	1787.7	1845.9
36°	1627.0	1804.9	1854.7
37°	1634.3	1820.7	1865.9
38°	1642.7	1844.9	1904.1
39°	1652.5	1852.3	1889.3
40°	1655.0	1868.3	1889.7
41°	1655.6	1894.3	1890.6
42°	1665.0	1886.5	1891.6
43°	1666.8	1894.7	1969.9
44°	1661.1	1890.9	1869.9

REPORT NUMBER: P1444955

CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1665.7	1815.2	1787.5
46°	1643.9	1872.5	2058.7
47°	1619.4	1932.2	2109.5
48°	1659.0	1991.8	1919.1
49°	1695.7	1887.9	1947.4
50°	1669.8	1892.2	1968.8
51°	1670.2	1882.3	1916.7
52°	1667.7	1885.6	2056.7
53°	1630.8	1992.6	2139.6
54°	1650.7	2023.2	2056.7
55°	1690.7	1959.1	2032.2
56°	1694.1	1947.2	2049.4
57°	1696.3	1943.0	1997.3
58°	1688.6	1898.4	1970.4
59°	1664.3	1891.8	2000.1
60°	1650.4	1907.8	1976.8
61°	1650.4	1876.7	1941.9
62°	1645.6	1867.4	1960.1
63°	1634.4	1875.0	1932.1
64°	1636.5	1836.8	1882.6
65°	1625.8	1784.6	1849.8
66°	1589.0	1775.5	1847.4
67°	1563.8	1744.4	1798.0
68°	1549.3	1692.3	1756.2
69°	1516.7	1681.2	1757.7
70°	1491.0	1661.2	1724.2
71°	1472.4	1656.9	1729.2
72°	1451.9	1605.0	1654.9
73°	1423.8	1589.3	1663.5
74°	1396.0	1556.3	1614.4
75°	1368.6	1520.2	1584.7
76°	1331.7	1477.2	1542.2
77°	1298.6	1458.0	1523.2
78°	1268.7	1412.7	1479.5
79°	1227.1	1384.0	1449.8
80°	1201.3	1368.9	1432.0
81°	1182.9	1338.7	1398.8
82°	1137.0	1291.4	1350.7
83°	1106.0	1260.1	1319.8
84°	1090.6	1248.3	1312.3
85°	1043.2	1196.4	1257.9
86°	1008.2	1150.7	1209.2
87°	987.6	1133.8	1192.1
88°	942.8	1098.2	1159.5
89°	907.4	1048.1	1105.2

REPORT NUMBER: P1444955

CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	891.9	1026.4	1073.9
91°	861.6	1004.0	1060.6
92°	839.5	966.2	1023.9
93°	831.1	952.4	989.8
94°	818.6	939.1	978.4
95°	803.2	925.8	968.5
96°	786.6	909.6	946.4
97°	766.7	889.8	930.3
98°	750.5	868.3	914.2
99°	734.1	855.2	898.4
100°	716.2	838.1	887.1
101°	700.4	820.1	865.0
102°	682.9	804.7	848.4
103°	666.4	787.4	831.9
104°	647.5	769.0	813.6
105°	629.2	750.4	796.2
106°	611.0	731.5	775.8
107°	591.3	712.1	757.5
108°	572.2	691.9	737.2
109°	553.1	671.6	714.8
110°	535.4	650.4	694.0
111°	517.4	630.4	672.8
112°	500.2	610.1	652.0
113°	483.0	590.9	631.3
114°	466.3	571.5	611.2
115°	449.5	553.0	591.2
116°	433.2	534.2	572.4
117°	417.5	516.8	553.6
118°	401.6	499.0	535.0
119°	386.2	481.1	516.7
120°	371.2	464.0	498.9
121°	357.0	446.4	480.8
122°	342.2	429.7	462.7
123°	327.6	413.3	445.7
124°	313.7	396.8	428.2
125°	299.0	380.4	410.9
126°	285.4	364.6	393.9
127°	271.6	348.9	378.0
128°	258.0	333.3	361.8
129°	244.9	318.7	345.4
130°	232.4	303.6	329.9
131°	219.2	288.5	314.1
132°	206.7	273.8	299.2
133°	194.6	259.4	284.0
134°	182.3	245.4	269.5

REPORT NUMBER: P1444955

CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	170.7	231.9	254.8
136°	159.4	218.7	241.0
137°	148.7	205.7	227.4
138°	138.6	193.0	214.0
139°	129.4	180.3	201.1
140°	120.7	167.5	188.2
141°	111.9	154.7	174.8
142°	103.2	141.7	161.2
143°	94.5	128.8	147.6
144°	87.1	116.2	133.8
145°	79.7	104.0	120.0
146°	73.0	94.4	106.6
147°	67.0	84.0	93.9
148°	61.7	73.6	81.9
149°	57.7	66.2	69.8
150°	54.9	62.1	64.3
151°	52.6	60.9	64.2
152°	50.2	59.5	63.2
153°	47.2	56.4	59.9
154°	44.1	52.8	56.1
155°	41.0	49.1	52.1
156°	38.0	45.4	48.4
157°	35.1	42.1	44.7
158°	32.4	38.9	41.3
159°	29.8	35.8	38.0
160°	27.2	32.7	34.8
161°	24.6	29.8	31.8
162°	22.3	27.1	28.9
163°	20.0	24.5	26.1
164°	17.7	22.0	23.5
165°	15.2	19.4	20.9
166°	12.8	16.7	18.2
167°	10.7	13.9	15.2
168°	8.9	11.4	12.4
169°	7.1	9.4	10.1
170°	5.4	7.5	8.2
171°	3.4	5.6	6.3
172°	1.6	3.3	4.0
173°	0.7	1.4	1.9
174°	0.7	0.7	0.7
175°	0.7	0.7	0.6
176°	0.7	0.7	0.7
177°	0.8	0.7	0.7
178°	0.8	0.7	0.7
179°	0.8	0.7	0.7

REPORT NUMBER: P1444955

CATALOG NUMBER: CWP75 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.7	0.7	0.7

(END OF REPORT)