

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: P1444952

Luminaire Tested: CWP30 (30W-4000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444952
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: CWP30 (30W-4000K)
Description: COMPACT WALL PACK, 30W
SET TO 30W, 4000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4057.6 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U4 - G3

Input Watts (W): 30.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



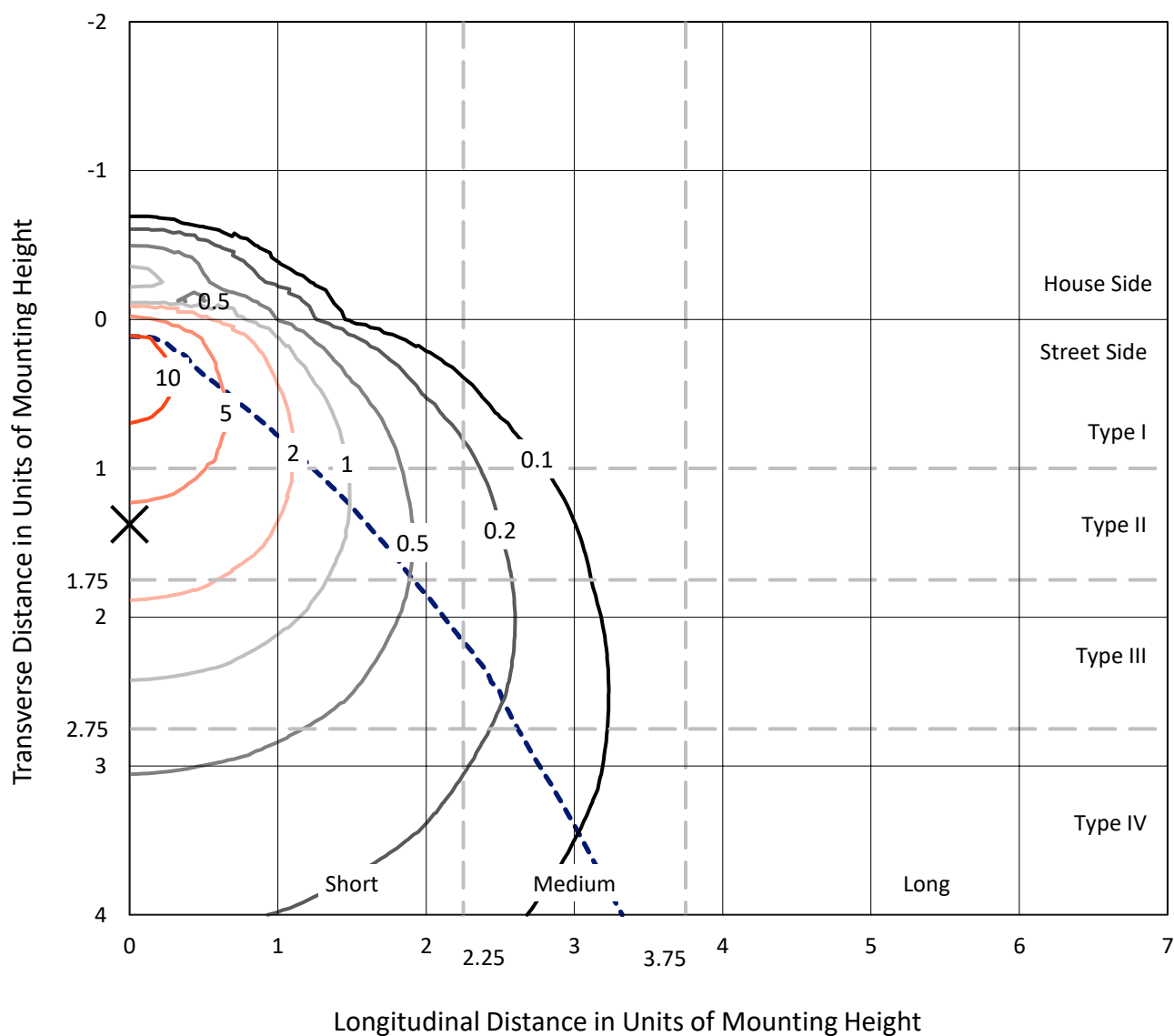
REPORT NUMBER: P1444952

CATALOG NUMBER: CWP30 (30W-4000K)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



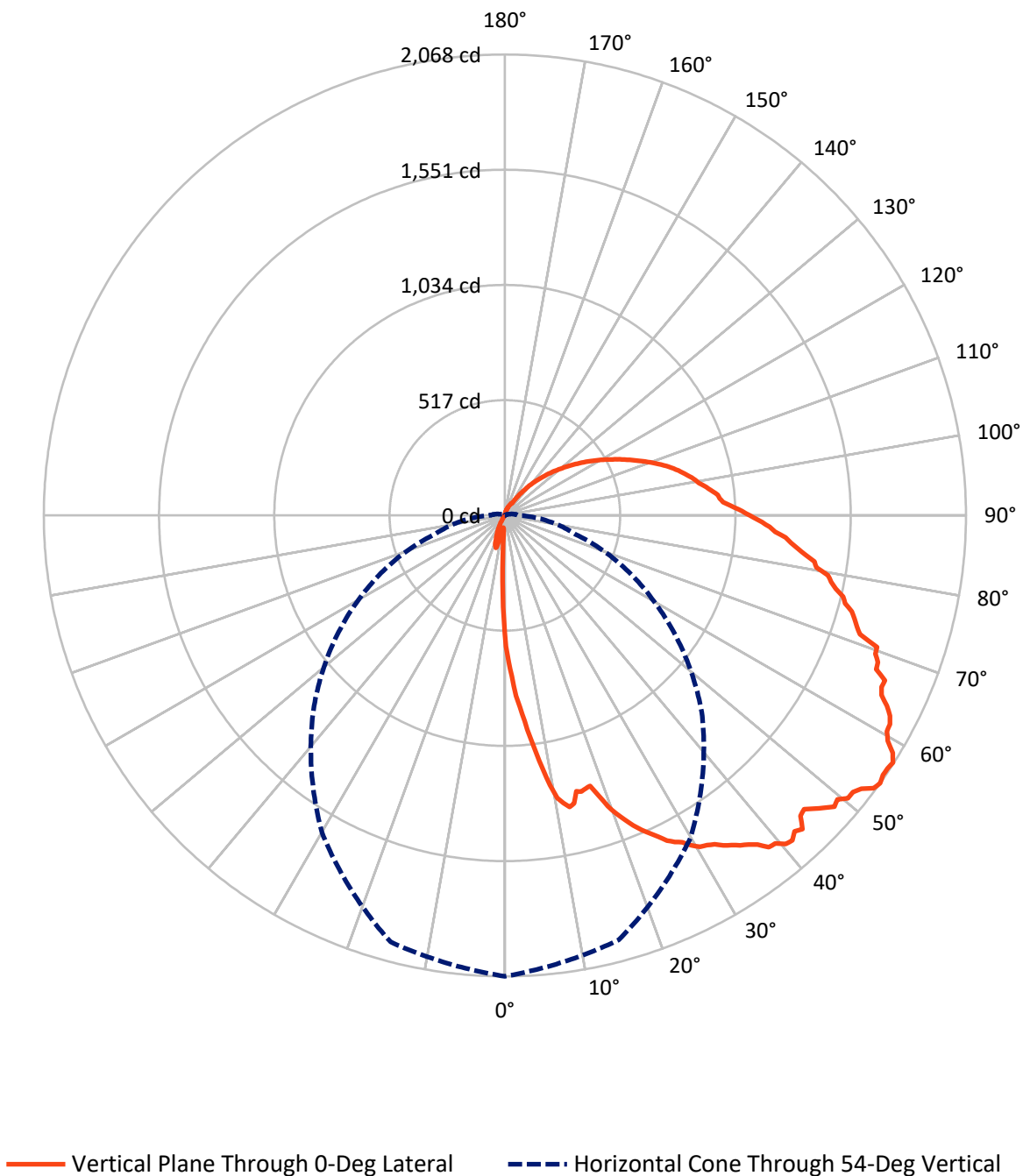
Based on 10 foot mounting height. Maximum calculated value = 11.9 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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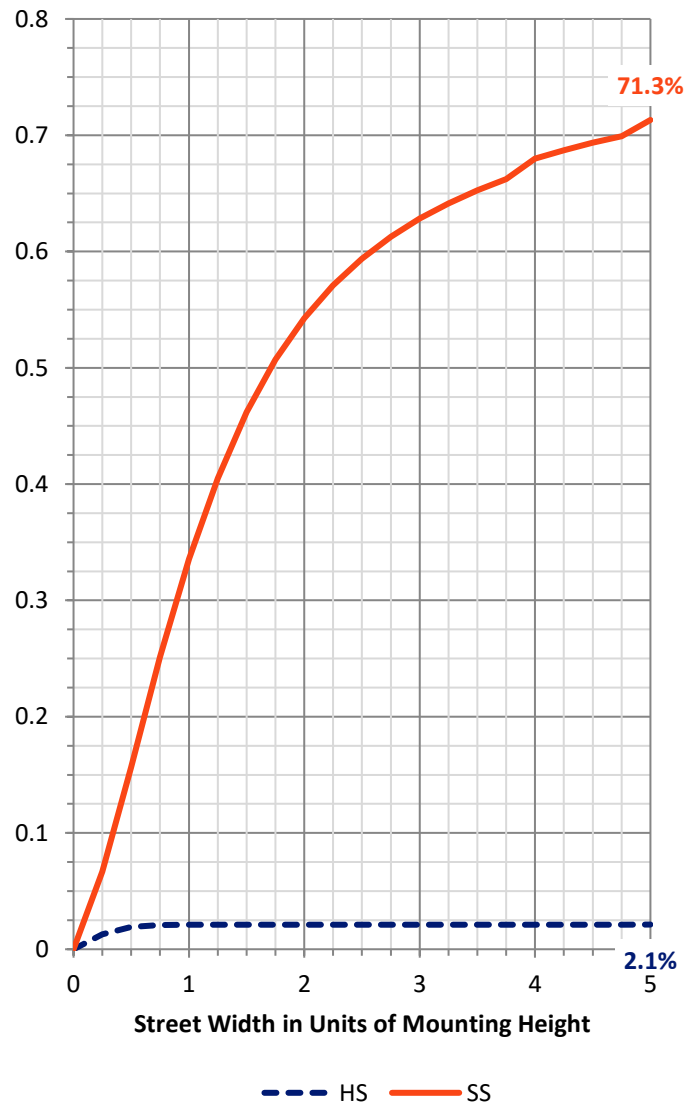
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	87.4	3.9	91.3
	% Fixture	2.2	0.1	2.2
Street Side	Lumens	3178.3	788.0	3966.3
	% Fixture	78.3	19.4	97.8
Total	Lumens	3265.6	791.9	4057.6
	% Fixture	80.5	19.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.3
10°-20°	168.4	4.1
20°-30°	283.7	7.0
30°-40°	388.5	9.6
40°-50°	466.3	11.5
50°-60°	525.8	13.0
60°-70°	532.2	13.1
70°-80°	474.4	11.7
80°-90°	375.0	9.2
90°-100°	282.9	7.0
100°-110°	213.1	5.3
110°-120°	142.3	3.5
120°-130°	84.8	2.1
130°-140°	43.1	1.1
140°-150°	17.1	0.4
150°-160°	6.7	0.2
160°-170°	1.8	0.0
170°-180°	0.1	0.0
0°-90°	3265.6	80.5
0°-180°	4057.6	100.0

Coefficient of Utilization



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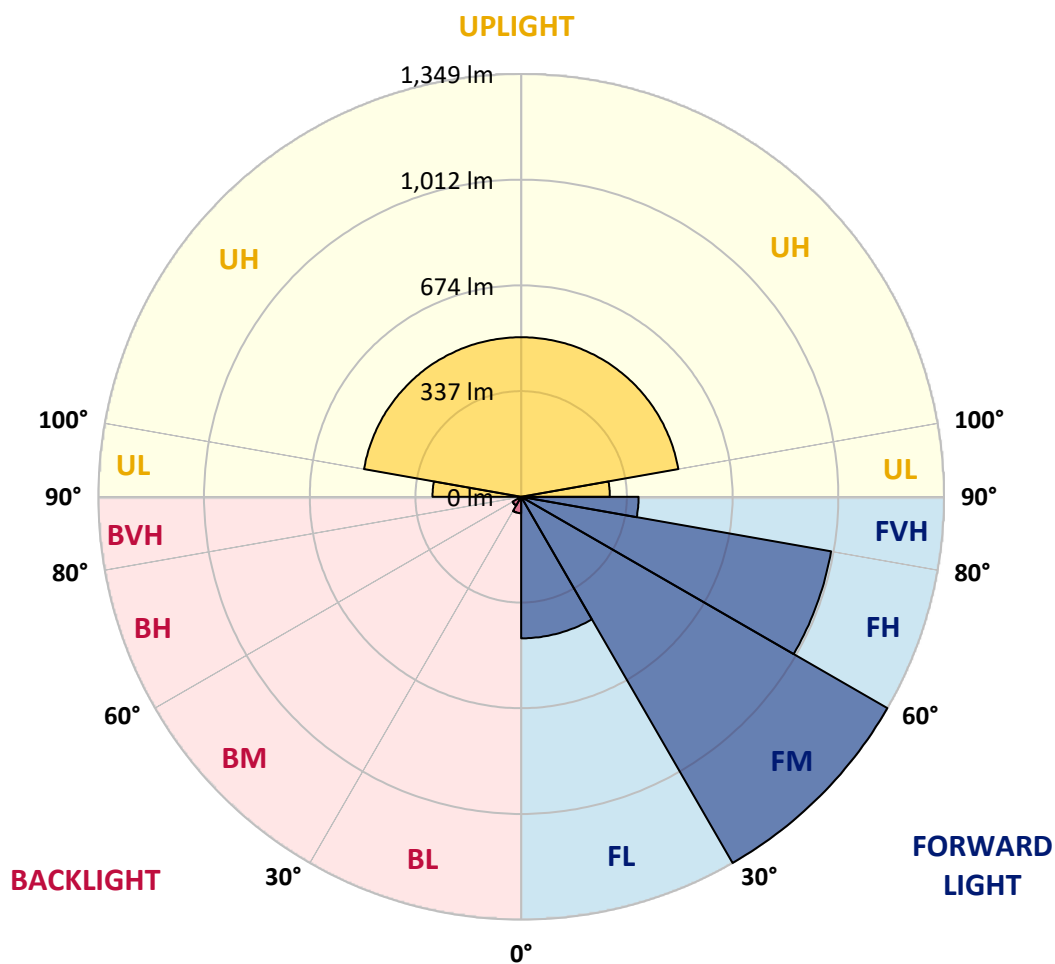
CATALOG NUMBER: CWP30 (30W-4000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.3	11.1			
FM	(30°-60°)	1348.8	33.2			
FH	(60°-80°)	1003.8	24.7			G1/1800
FVH	(80°-90°)	374.4	9.2			G3/500
BL	(0°-30°)	52.1	1.3	B0/110		
BM	(30°-60°)	31.8	0.8	B0/220		
BH	(60°-80°)	2.8	0.1	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	282.9	7.0		U3/500	
UH	(100°-180°)	509.0	12.5		U4/1000	

BUG Rating: B0-U4-G3

Type IV Short



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CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2
1°	657.7	658.8	652.7	644.8	633.3	617.9	564.4	536.0	508.1	485.6	473.5
2°	721.9	719.1	702.1	682.2	660.4	632.2	562.2	497.0	441.7	402.8	373.6
3°	811.4	806.4	781.6	732.5	683.8	646.0	560.9	459.9	386.0	319.4	279.1
4°	863.3	854.9	838.8	799.1	720.7	662.8	561.9	431.0	325.3	243.1	184.6
5°	927.7	914.5	879.9	840.4	772.1	672.2	557.5	401.9	266.0	166.8	91.2
6°	1004.1	991.4	946.6	881.1	810.0	682.4	550.0	367.8	206.7	91.4	66.5
7°	1072.2	1060.7	1010.0	923.7	830.0	696.9	547.4	333.0	147.5	68.3	57.4
8°	1152.4	1124.5	1071.2	975.4	853.8	713.0	540.3	305.7	99.6	60.5	54.5
9°	1227.4	1201.1	1134.4	1024.4	876.2	723.8	530.9	277.9	75.0	55.9	55.5
10°	1290.0	1267.9	1200.8	1065.0	903.5	744.6	526.2	242.7	65.5	55.1	57.6
11°	1316.8	1287.8	1255.2	1114.3	937.2	758.9	514.4	207.4	60.4	56.8	62.0
12°	1340.6	1331.5	1278.4	1158.8	967.4	763.4	498.1	172.2	56.8	58.7	67.9
13°	1329.3	1345.7	1311.0	1201.2	990.0	767.7	487.7	139.1	55.2	61.9	76.8
14°	1278.9	1302.5	1325.8	1234.0	998.4	766.1	474.5	113.2	55.0	67.5	91.2
15°	1285.5	1279.4	1306.9	1243.1	1023.4	753.3	451.3	92.2	55.9	74.3	109.8
16°	1277.7	1258.6	1254.8	1252.9	1048.3	738.2	435.8	77.2	57.4	83.1	125.4
17°	1272.3	1270.2	1258.1	1253.1	1053.9	737.7	420.4	68.3	59.8	92.5	138.9
18°	1325.7	1293.3	1227.1	1235.4	1065.9	730.5	398.4	61.8	63.6	102.7	146.2
19°	1383.5	1326.7	1230.6	1193.1	1082.5	720.4	385.3	56.9	68.0	111.6	145.9
20°	1429.7	1377.7	1249.6	1165.7	1070.1	725.5	376.2	53.7	72.5	118.9	139.5
21°	1467.1	1435.9	1282.6	1154.0	1053.7	726.1	361.4	51.4	77.2	122.2	131.7
22°	1506.5	1468.9	1327.9	1125.2	1044.7	721.2	354.0	49.5	81.5	123.3	123.8
23°	1539.0	1508.2	1365.8	1116.1	1040.7	722.0	342.7	48.6	85.7	121.3	116.5
24°	1568.2	1532.6	1396.8	1121.9	1026.4	722.8	333.9	48.3	89.5	119.0	106.5
25°	1597.8	1559.2	1427.8	1141.2	999.2	713.5	326.8	48.8	92.1	113.5	97.4
26°	1630.9	1585.6	1453.9	1167.8	962.1	710.9	317.7	50.2	93.6	107.2	89.0
27°	1651.7	1611.8	1476.1	1189.3	927.8	702.9	311.2	52.0	94.3	99.4	80.7
28°	1668.6	1631.5	1492.0	1214.4	917.3	699.6	304.4	54.4	93.1	92.4	72.5
29°	1702.0	1659.5	1504.5	1234.7	896.4	697.0	296.7	56.9	90.5	85.3	64.2
30°	1725.7	1683.1	1524.5	1247.5	872.8	696.2	288.2	59.2	87.5	78.3	57.0
31°	1735.6	1698.7	1543.5	1255.0	860.5	689.8	279.1	61.8	84.1	70.9	48.8
32°	1750.2	1710.8	1560.5	1256.9	850.1	681.9	266.3	63.7	80.7	63.6	41.6
33°	1776.1	1729.3	1573.7	1256.0	855.4	672.8	254.8	65.1	76.3	56.8	34.2
34°	1794.6	1743.6	1586.5	1251.3	857.6	655.6	244.5	66.2	71.9	51.0	28.9
35°	1818.4	1758.7	1599.0	1249.8	864.7	642.8	232.7	66.8	67.4	45.2	24.5
36°	1836.9	1783.3	1611.8	1247.0	864.8	625.9	220.9	67.0	62.8	39.7	20.2
37°	1862.0	1802.3	1625.4	1247.9	866.8	611.4	209.2	66.7	58.2	34.3	15.8
38°	1902.2	1830.2	1637.6	1248.2	863.2	598.6	198.7	65.7	53.4	29.4	13.4
39°	1907.5	1846.2	1646.3	1244.2	860.6	581.4	186.6	64.0	49.2	25.5	11.4
40°	1939.8	1861.2	1661.2	1241.7	854.2	567.0	177.8	62.0	44.9	21.5	9.6
41°	1946.3	1882.6	1664.9	1243.2	848.6	551.3	169.8	59.2	40.9	17.6	7.3
42°	1923.0	1883.9	1675.0	1245.9	842.2	533.6	161.0	56.1	36.9	14.4	5.7
43°	1940.0	1878.5	1684.1	1249.2	837.3	512.4	153.0	52.6	33.2	11.6	4.5
44°	1891.5	1877.9	1677.5	1248.0	833.0	490.7	145.3	49.1	29.8	9.6	3.7

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CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1881.6	1845.1	1676.7	1249.6	828.4	469.4	137.4	45.7	26.4	7.8	0.8
46°	1912.0	1855.0	1665.2	1255.6	824.4	450.0	130.3	42.6	23.4	6.1	0.4
47°	1942.6	1876.9	1641.4	1252.3	821.0	429.2	122.0	39.4	20.4	4.2	0.4
48°	1973.3	1898.9	1645.6	1250.7	818.4	409.6	113.4	36.4	17.5	2.8	0.4
49°	1961.7	1920.8	1687.5	1249.8	813.2	393.6	104.6	33.4	14.7	2.1	0.4
50°	1994.8	1908.3	1690.9	1237.9	808.0	376.9	95.6	30.6	12.3	1.2	0.4
51°	1995.3	1922.3	1679.7	1236.2	801.8	363.4	87.0	28.1	10.4	0.3	0.5
52°	2015.2	1926.7	1688.2	1253.8	792.3	350.3	78.2	25.8	8.5	0.3	0.5
53°	2058.8	1945.0	1680.8	1260.1	782.0	338.7	69.4	23.6	7.0	0.4	0.5
54°	2068.3	1972.4	1667.4	1249.1	772.6	328.5	62.7	21.4	5.5	0.4	0.5
55°	2057.7	1980.2	1672.2	1242.9	759.3	319.0	55.6	19.2	4.1	0.4	0.5
56°	2057.7	1981.5	1685.6	1239.5	753.5	308.2	50.2	17.2	2.8	0.4	0.6
57°	2064.1	1982.3	1696.9	1234.2	747.7	297.4	44.3	15.3	1.7	0.4	0.6
58°	2040.1	1984.7	1703.5	1233.4	732.2	287.4	40.0	13.6	1.0	0.5	0.6
59°	1993.4	1961.4	1700.8	1234.3	718.9	278.4	36.1	12.1	0.6	0.5	0.6
60°	1968.8	1920.6	1697.5	1230.5	707.0	271.4	33.0	10.6	0.4	0.5	0.7
61°	1965.3	1910.7	1681.7	1226.5	695.6	264.6	30.4	9.3	0.3	0.5	0.7
62°	1947.9	1899.4	1661.9	1221.3	683.1	256.6	27.8	8.1	0.3	0.5	0.7
63°	1914.3	1890.3	1648.1	1215.0	672.6	249.2	25.5	7.0	0.3	0.6	0.8
64°	1871.8	1848.7	1635.5	1195.3	661.7	241.3	23.4	5.9	0.4	0.6	0.8
65°	1856.7	1816.3	1628.3	1184.0	650.4	234.7	21.7	5.0	0.4	0.6	0.8
66°	1858.8	1811.0	1597.9	1170.2	640.1	228.4	20.0	4.1	0.4	0.6	0.9
67°	1803.5	1791.9	1575.8	1161.1	626.8	222.2	18.4	3.3	0.4	0.7	0.9
68°	1799.1	1748.5	1567.3	1140.1	609.8	215.9	16.8	2.6	0.4	0.7	0.9
69°	1774.5	1736.8	1540.3	1120.8	597.6	210.0	15.3	1.9	0.4	0.7	1.0
70°	1770.6	1726.2	1517.7	1111.2	585.8	202.9	13.7	1.4	0.4	0.7	1.0
71°	1679.1	1679.0	1505.7	1093.1	570.8	195.8	12.2	0.9	0.5	0.8	1.0
72°	1655.5	1604.4	1481.2	1075.5	556.7	189.2	10.8	0.6	0.5	0.8	1.0
73°	1636.2	1601.0	1411.5	1064.2	545.0	182.4	9.4	0.5	0.5	0.8	1.1
74°	1615.5	1571.2	1392.6	1039.1	529.0	175.6	8.0	0.4	0.5	0.8	1.1
75°	1575.8	1547.6	1367.8	1005.8	517.3	169.3	6.8	0.4	0.5	0.8	1.1
76°	1560.9	1513.3	1344.9	982.2	499.8	163.0	5.7	0.3	0.5	0.9	1.2
77°	1520.7	1487.8	1312.3	964.6	480.4	157.2	4.8	0.3	0.5	0.9	1.2
78°	1492.7	1459.4	1282.6	942.5	464.5	149.1	3.9	0.3	0.6	0.9	1.2
79°	1474.6	1430.8	1255.1	917.7	449.2	142.5	3.1	0.3	0.6	0.9	1.3
80°	1417.4	1380.5	1229.6	896.9	433.6	136.3	2.5	0.3	0.6	1.0	1.3
81°	1404.0	1371.4	1182.8	874.3	418.6	130.3	2.1	0.3	0.6	1.0	1.3
82°	1359.8	1325.4	1163.6	844.4	402.2	124.9	1.6	0.3	0.6	1.0	1.3
83°	1322.9	1285.2	1121.9	817.3	389.2	118.9	1.3	0.3	0.6	1.0	1.4
84°	1289.8	1248.8	1090.6	791.4	371.2	113.0	0.9	0.3	0.6	1.0	1.4
85°	1263.8	1220.2	1061.3	762.1	358.3	108.2	0.6	0.3	0.7	1.0	1.4
86°	1214.9	1169.7	1017.5	732.8	344.5	103.5	0.4	0.3	0.7	1.1	1.4
87°	1188.2	1145.7	988.9	709.1	333.1	99.5	0.2	0.3	0.7	1.1	1.5
88°	1154.0	1114.8	956.3	683.4	323.2	96.3	0.1	0.4	0.7	1.1	1.5
89°	1115.6	1077.0	921.8	661.8	315.9	93.9	0.1	0.4	0.7	1.1	1.5

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CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	1080.7	1041.0	892.8	645.5	309.8	91.5	0.1	0.4	0.7	1.2	1.5
91°	1047.5	1008.3	863.4	628.0	305.1	89.1	0.1	0.4	0.8	1.2	1.5
92°	1012.6	970.2	834.5	614.5	298.9	86.0	0.1	0.4	0.8	1.2	1.6
93°	980.2	954.0	819.2	603.4	290.3	82.1	0.1	0.4	0.8	1.2	1.6
94°	967.2	938.4	807.2	591.2	282.2	78.5	0.2	0.4	0.8	1.2	1.6
95°	959.1	922.7	791.5	575.6	272.4	74.9	0.2	0.4	0.8	1.2	1.6
96°	940.3	903.3	773.6	559.6	262.2	71.5	0.2	0.4	0.8	1.2	1.6
97°	921.2	883.8	752.8	541.9	253.2	68.6	0.2	0.4	0.8	1.3	1.7
98°	902.0	860.7	732.7	526.8	245.7	66.0	0.2	0.4	0.8	1.3	1.7
99°	882.2	841.0	716.4	512.9	237.6	63.4	0.2	0.4	0.8	1.3	1.7
100°	869.0	828.7	702.0	497.7	229.8	61.1	0.2	0.5	0.9	1.3	1.7
101°	854.7	812.4	684.5	482.6	222.7	58.8	0.2	0.5	0.9	1.3	1.7
102°	836.8	795.1	668.4	467.8	215.2	56.6	0.2	0.5	0.9	1.3	1.7
103°	820.3	778.2	652.4	451.4	206.1	54.0	0.2	0.5	0.9	1.3	1.7
104°	803.8	761.4	635.1	435.4	197.8	51.6	0.2	0.5	0.9	1.3	1.7
105°	785.9	743.1	616.7	418.6	189.8	49.3	0.2	0.5	0.9	1.3	1.7
106°	767.2	723.9	599.0	403.0	182.0	47.1	0.2	0.5	0.9	1.3	1.7
107°	747.4	704.5	580.4	387.1	174.5	44.9	0.2	0.5	0.9	1.3	1.7
108°	726.2	685.0	561.1	371.4	167.4	43.0	0.2	0.5	0.9	1.3	1.7
109°	706.3	664.2	542.3	356.2	160.6	41.2	0.2	0.5	0.9	1.3	1.7
110°	684.5	643.6	524.8	341.3	154.0	39.5	0.2	0.5	0.9	1.3	1.7
111°	663.3	623.0	506.0	326.9	147.1	37.8	0.2	0.5	0.9	1.3	1.7
112°	642.7	603.0	488.9	312.5	140.5	36.2	0.2	0.5	0.9	1.3	1.7
113°	622.3	583.8	471.9	298.2	133.9	34.6	0.2	0.5	0.9	1.3	1.7
114°	603.0	564.4	455.1	285.1	127.7	32.9	0.2	0.5	0.9	1.3	1.7
115°	583.0	545.3	438.2	272.0	121.9	31.3	0.2	0.5	0.9	1.3	1.6
116°	564.1	526.7	421.5	259.5	115.9	29.8	0.2	0.5	0.9	1.3	1.6
117°	543.9	508.0	404.9	247.5	110.2	28.3	0.2	0.5	0.9	1.3	1.6
118°	525.1	490.1	389.3	236.4	105.0	26.7	0.2	0.5	0.9	1.2	1.6
119°	506.9	472.0	373.7	225.4	99.8	25.1	0.2	0.5	0.9	1.2	1.6
120°	488.7	454.5	358.7	214.0	95.6	23.3	0.3	0.5	0.9	1.2	1.6
121°	470.7	437.1	343.4	202.7	90.6	21.8	0.3	0.5	0.9	1.2	1.6
122°	452.2	420.1	328.3	192.6	85.6	20.7	0.3	0.5	0.9	1.2	1.6
123°	435.3	403.5	313.5	183.1	80.9	20.0	0.3	0.5	0.9	1.2	1.6
124°	417.9	386.5	299.5	174.0	76.4	19.4	0.3	0.5	0.9	1.2	1.6
125°	399.8	370.5	285.4	165.5	72.0	18.7	0.3	0.6	0.9	1.2	1.6
126°	383.2	354.6	271.6	157.2	68.0	18.0	0.3	0.6	0.9	1.2	1.6
127°	366.7	338.7	258.2	149.3	64.5	17.3	0.3	0.6	0.9	1.3	1.6
128°	350.3	322.9	244.9	141.5	61.5	16.9	0.3	0.6	0.9	1.3	1.6
129°	333.8	307.1	231.3	133.9	58.8	16.6	0.3	0.6	0.9	1.3	1.6
130°	317.9	292.1	218.4	126.9	56.5	16.5	0.3	0.6	0.9	1.3	1.6
131°	302.5	277.2	205.6	119.6	54.2	16.4	0.4	0.6	0.9	1.3	1.6
132°	287.1	262.3	192.8	112.4	51.8	16.1	0.4	0.6	0.9	1.3	1.6
133°	272.1	247.7	180.4	105.4	49.1	15.5	0.4	0.6	1.0	1.3	1.6
134°	257.2	233.4	168.3	98.4	45.9	14.5	0.4	0.7	1.0	1.3	1.6

REPORT NUMBER: P1444952

CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	242.8	219.5	157.0	92.1	43.0	13.2	0.4	0.7	1.0	1.3	1.6
136°	228.3	205.8	146.0	85.9	40.6	12.1	0.4	0.7	1.0	1.3	1.6
137°	214.4	192.2	135.5	79.6	38.5	11.6	0.4	0.7	1.0	1.3	1.6
138°	200.5	178.6	125.7	74.7	36.8	11.2	0.5	0.7	1.0	1.3	1.6
139°	186.4	165.0	116.8	70.4	35.1	10.8	0.5	0.7	1.0	1.3	1.6
140°	172.6	152.1	108.3	66.3	33.8	10.3	0.5	0.8	1.0	1.3	1.6
141°	159.0	138.8	100.0	62.4	32.8	9.7	0.5	0.8	1.1	1.3	1.6
142°	145.5	126.1	92.4	59.0	32.0	9.1	0.6	0.8	1.1	1.3	1.6
143°	132.2	113.8	84.9	56.1	31.3	8.5	0.6	0.8	1.1	1.3	1.6
144°	118.7	102.4	77.3	53.7	30.6	7.9	0.6	0.8	1.1	1.3	1.6
145°	105.6	93.0	71.1	51.6	29.8	7.3	0.6	0.9	1.1	1.3	1.6
146°	93.7	83.5	65.7	49.5	28.8	6.7	0.7	0.9	1.1	1.3	1.6
147°	81.7	74.1	61.1	47.7	27.2	6.1	0.7	0.9	1.1	1.3	1.5
148°	69.8	67.1	57.2	46.1	25.4	5.5	0.7	0.9	1.1	1.3	1.5
149°	62.6	61.7	54.2	44.7	23.9	4.9	0.7	0.9	1.1	1.3	1.5
150°	61.3	58.7	52.6	42.7	22.7	4.5	0.8	0.9	1.1	1.3	1.5
151°	62.4	58.8	51.5	40.2	21.5	4.2	0.8	0.9	1.1	1.3	1.5
152°	60.3	57.6	49.4	37.8	20.2	3.7	0.8	1.0	1.1	1.3	1.4
153°	57.2	54.8	46.8	35.4	18.8	3.3	0.8	1.0	1.1	1.3	1.4
154°	53.9	51.5	44.0	32.9	17.5	2.7	0.9	1.0	1.1	1.3	1.4
155°	50.3	47.9	40.9	30.4	16.3	2.1	0.9	1.0	1.1	1.2	1.4
156°	46.8	44.5	37.8	28.1	15.1	1.6	0.9	1.0	1.1	1.2	1.3
157°	43.7	41.3	34.8	25.9	13.9	1.1	0.9	1.0	1.1	1.2	1.3
158°	41.0	38.7	32.4	23.6	12.6	0.9	0.9	1.0	1.1	1.2	1.3
159°	38.5	36.2	30.2	21.6	11.4	0.8	1.0	1.0	1.1	1.2	1.2
160°	35.6	33.7	28.1	19.7	10.3	0.9	1.0	1.0	1.1	1.2	1.2
161°	32.6	30.9	25.8	17.9	9.2	0.9	1.0	1.0	1.1	1.2	1.2
162°	29.4	28.0	23.2	16.0	8.1	0.9	1.0	1.0	1.1	1.1	1.2
163°	26.6	25.1	20.6	14.1	6.7	0.9	1.0	1.0	1.1	1.1	1.1
164°	23.7	22.3	18.3	12.3	5.4	0.9	1.0	1.0	1.1	1.1	1.1
165°	21.0	19.8	16.1	11.0	4.1	0.9	1.0	1.0	1.1	1.1	1.1
166°	18.4	17.3	14.0	9.5	2.9	0.9	1.0	1.1	1.1	1.1	1.1
167°	15.9	14.9	12.2	8.0	1.8	1.0	1.0	1.1	1.1	1.1	1.0
168°	13.6	12.8	10.7	6.5	1.1	1.0	1.1	1.1	1.1	1.1	1.0
169°	11.8	11.1	8.8	4.7	0.9	1.0	1.1	1.1	1.1	1.0	1.0
170°	9.4	8.8	6.8	2.9	0.9	1.0	1.1	1.1	1.1	1.0	1.0
171°	7.0	6.5	4.5	1.4	0.9	0.9	1.1	1.1	1.1	1.0	1.0
172°	4.7	4.1	2.3	0.8	0.9	0.9	1.1	1.1	1.0	1.0	1.0
173°	2.1	1.7	0.8	0.7	0.8	0.9	1.1	1.1	1.0	1.0	0.9
174°	0.7	0.6	0.7	0.8	0.9	0.9	1.1	1.1	1.0	1.0	0.9
175°	0.6	0.6	0.7	0.8	0.9	0.9	1.0	1.0	1.0	1.0	0.9
176°	0.6	0.6	0.7	0.8	0.9	0.9	1.0	1.0	1.0	1.0	0.9
177°	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.0	1.0	0.9
178°	0.7	0.7	0.7	0.7	0.8	0.9	1.0	1.0	1.0	1.0	0.9
179°	0.7	0.7	0.7	0.7	0.8	0.9	1.0	1.0	1.0	1.0	0.9



REPORT NUMBER: P1444952
CATALOG NUMBER: CWP30 (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: P1444952

CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2	587.2
1°	468.6	469.4	478.3	494.0	516.9	543.3	569.6	560.8	592.0	615.4	632.7
2°	355.5	353.9	364.9	389.1	428.3	481.1	543.5	565.3	616.2	646.8	670.7
3°	243.1	238.5	269.1	293.6	349.6	420.6	508.8	563.8	633.7	669.3	720.4
4°	132.0	124.7	173.3	198.1	270.2	365.7	474.5	559.8	640.4	705.7	785.2
5°	74.6	72.3	77.6	104.2	190.8	308.7	439.7	556.5	648.7	746.1	833.1
6°	60.3	59.6	61.6	69.8	112.4	252.1	409.5	553.5	662.4	787.4	860.0
7°	54.7	54.8	55.3	59.4	75.3	195.6	379.1	553.0	679.5	819.6	905.9
8°	55.3	55.7	54.9	54.9	63.0	139.2	346.3	540.6	688.6	837.7	956.4
9°	57.3	58.4	56.8	54.8	57.4	96.7	313.4	532.9	702.4	850.3	1011.1
10°	61.2	62.9	60.8	56.7	54.5	74.8	286.2	525.7	714.6	880.4	1044.4
11°	67.4	68.8	66.8	60.2	54.8	65.0	262.0	514.3	728.8	904.7	1085.8
12°	76.0	77.2	75.1	65.6	56.3	59.4	231.2	500.2	729.6	934.0	1131.1
13°	91.8	97.7	89.6	73.3	58.2	54.9	200.4	486.6	730.5	953.0	1171.7
14°	116.4	124.7	113.0	83.9	62.2	52.6	171.2	476.5	727.9	958.5	1194.8
15°	139.0	147.1	134.2	99.2	67.7	51.8	141.0	460.0	712.7	973.2	1202.0
16°	151.5	151.2	148.6	114.5	74.7	52.5	114.1	442.0	700.8	1003.6	1214.5
17°	147.6	146.0	147.8	126.4	82.6	53.9	94.1	430.6	698.2	1009.0	1202.4
18°	146.2	142.4	142.7	136.1	91.1	56.0	77.9	414.0	703.3	1025.4	1182.6
19°	142.5	135.0	140.8	139.0	98.7	58.3	66.2	400.8	695.9	1022.4	1132.3
20°	131.8	125.6	132.8	134.4	104.5	62.1	59.4	390.7	692.9	1012.1	1123.7
21°	120.8	113.4	119.8	128.7	108.8	66.8	54.7	382.3	697.8	1007.6	1098.8
22°	112.2	102.8	112.7	120.4	111.0	71.4	50.7	372.9	698.4	994.9	1089.7
23°	101.8	94.8	101.8	113.2	109.8	75.4	47.9	363.6	695.3	981.6	1073.4
24°	92.4	86.4	91.6	104.5	108.2	79.1	45.7	354.9	691.5	966.9	1096.5
25°	85.8	78.8	85.7	96.0	104.9	81.6	44.6	346.4	690.9	932.7	1114.2
26°	78.6	71.1	76.7	87.0	100.9	83.2	44.1	340.7	680.6	895.9	1135.6
27°	70.3	64.5	69.5	78.8	94.9	84.1	44.4	331.2	683.6	880.5	1158.8
28°	63.0	55.6	60.8	71.0	89.0	83.9	44.7	322.0	684.8	864.2	1179.6
29°	54.5	46.3	54.0	62.8	82.0	83.3	45.5	313.6	679.3	845.5	1196.2
30°	46.3	37.5	43.8	55.2	75.4	81.0	46.6	303.6	675.3	834.6	1208.7
31°	35.1	31.4	35.8	48.3	69.2	78.4	48.3	292.4	666.8	826.5	1214.5
32°	28.7	25.2	30.0	41.3	62.5	75.3	49.8	280.9	659.3	829.7	1212.8
33°	24.3	19.1	24.2	34.8	56.3	71.6	50.8	270.4	643.0	832.3	1209.0
34°	19.9	17.6	18.5	28.7	50.3	67.6	51.9	260.6	622.8	839.6	1206.3
35°	15.5	15.4	15.7	24.7	44.5	63.7	52.8	248.1	611.5	842.1	1206.2
36°	13.4	14.1	13.1	20.7	39.3	59.4	53.2	237.2	594.2	842.2	1207.6
37°	12.3	10.5	12.0	16.7	34.3	54.9	52.7	224.6	576.3	841.6	1209.3
38°	9.6	9.3	9.7	13.7	30.1	50.6	52.1	213.9	558.4	838.4	1205.8
39°	8.2	8.1	8.1	11.0	26.0	46.4	50.8	203.3	540.8	830.7	1204.5
40°	7.1	7.2	6.8	9.3	21.9	42.3	49.3	194.1	521.5	824.8	1205.5
41°	6.2	1.6	6.1	7.6	17.8	38.6	47.6	185.3	500.0	820.4	1207.5
42°	1.0	0.4	1.7	5.7	15.0	35.0	45.4	179.1	478.8	813.4	1212.8
43°	0.4	0.4	0.4	4.3	12.5	31.4	43.4	169.3	466.5	809.1	1214.4
44°	0.4	0.4	0.4	3.6	10.0	28.2	41.2	162.3	453.4	806.9	1216.3

REPORT NUMBER: P1444952

CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.4	0.4	0.4	1.8	8.1	25.3	39.0	153.0	438.1	802.4	1220.6
46°	0.4	0.5	0.4	0.4	6.5	22.7	36.7	141.4	424.3	800.8	1220.3
47°	0.4	0.5	0.5	0.4	4.9	20.1	34.5	132.3	408.4	799.7	1216.8
48°	0.5	0.5	0.5	0.4	3.2	17.4	32.2	120.4	392.9	795.6	1214.9
49°	0.5	0.5	0.5	0.4	2.1	15.0	29.9	111.0	380.0	794.0	1204.1
50°	0.5	0.6	0.5	0.5	1.5	12.8	27.5	101.6	368.3	788.4	1200.5
51°	0.5	0.6	0.6	0.5	0.6	10.8	25.3	92.5	356.5	782.6	1212.1
52°	0.6	0.6	0.6	0.5	0.4	9.1	23.1	83.4	344.9	777.3	1219.0
53°	0.6	0.6	0.6	0.5	0.4	7.6	20.9	74.4	334.9	767.3	1217.3
54°	0.6	0.7	0.6	0.6	0.4	6.1	18.7	67.6	324.3	758.4	1210.5
55°	0.6	0.7	0.7	0.6	0.4	4.7	16.8	60.9	313.6	754.8	1205.8
56°	0.7	0.7	0.7	0.6	0.5	3.5	14.9	55.8	303.3	746.8	1201.4
57°	0.7	0.7	0.7	0.6	0.5	2.5	13.3	51.2	295.0	735.4	1197.9
58°	0.7	0.8	0.7	0.6	0.5	1.6	11.7	48.0	286.0	723.6	1202.0
59°	0.8	0.8	0.8	0.7	0.5	1.0	10.3	45.2	279.3	713.4	1205.9
60°	0.8	0.8	0.8	0.7	0.5	0.6	9.0	42.0	272.5	701.1	1196.3
61°	0.8	0.9	0.8	0.7	0.6	0.4	7.9	40.0	264.2	688.8	1193.1
62°	0.9	0.9	0.9	0.8	0.6	0.4	7.0	38.2	256.9	680.6	1189.9
63°	0.9	1.0	0.9	0.8	0.6	0.4	6.1	36.3	250.2	669.3	1178.3
64°	0.9	1.0	1.0	0.8	0.6	0.4	5.4	34.5	243.5	657.7	1161.7
65°	1.0	1.0	1.0	0.9	0.6	0.4	4.7	32.8	237.2	646.2	1149.0
66°	1.0	1.1	1.0	0.9	0.7	0.4	4.1	30.9	231.0	634.9	1140.5
67°	1.1	1.1	1.1	0.9	0.7	0.4	3.4	29.1	224.7	620.1	1125.7
68°	1.1	1.2	1.1	1.0	0.7	0.4	2.8	27.3	218.9	607.1	1104.7
69°	1.1	1.2	1.1	1.0	0.7	0.5	2.2	25.5	211.9	595.0	1095.8
70°	1.2	1.2	1.2	1.0	0.8	0.5	1.7	23.8	205.2	581.5	1084.0
71°	1.2	1.3	1.2	1.0	0.8	0.5	1.3	22.1	198.5	566.6	1067.7
72°	1.2	1.3	1.3	1.1	0.8	0.5	0.9	20.4	191.9	554.3	1056.1
73°	1.3	1.3	1.3	1.1	0.8	0.5	0.6	18.8	184.7	540.4	1039.3
74°	1.3	1.4	1.3	1.1	0.8	0.5	0.5	17.2	177.9	529.0	1006.0
75°	1.3	1.4	1.4	1.2	0.9	0.5	0.4	15.7	171.5	513.3	982.7
76°	1.4	1.5	1.4	1.2	0.9	0.5	0.4	14.2	165.5	493.2	962.6
77°	1.4	1.5	1.4	1.2	0.9	0.6	0.3	12.7	157.9	477.0	945.2
78°	1.4	1.5	1.5	1.3	0.9	0.6	0.3	11.2	150.7	463.5	923.5
79°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	9.9	144.1	447.5	901.4
80°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	8.6	137.8	431.8	882.2
81°	1.5	1.6	1.6	1.3	1.0	0.6	0.3	7.2	132.2	417.0	850.9
82°	1.6	1.7	1.6	1.4	1.0	0.6	0.3	6.0	126.3	402.8	830.7
83°	1.6	1.7	1.6	1.4	1.0	0.6	0.3	4.7	120.4	385.6	801.1
84°	1.6	1.7	1.6	1.4	1.0	0.6	0.3	3.6	114.6	370.5	772.3
85°	1.6	1.7	1.6	1.4	1.0	0.7	0.3	2.5	109.8	357.0	748.6
86°	1.7	1.7	1.7	1.4	1.1	0.7	0.3	1.7	105.9	345.0	723.6
87°	1.7	1.8	1.7	1.5	1.1	0.7	0.4	1.0	102.4	333.5	697.5
88°	1.7	1.8	1.7	1.5	1.1	0.7	0.4	0.6	100.4	325.7	673.7
89°	1.7	1.8	1.8	1.5	1.1	0.7	0.4	0.4	98.0	319.9	656.6

REPORT NUMBER: P1444952

CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	1.8	1.9	1.8	1.5	1.1	0.7	0.4	0.3	96.0	314.2	638.1
91°	1.8	1.9	1.8	1.6	1.2	0.7	0.4	0.2	92.4	308.8	622.4
92°	1.8	1.9	1.8	1.6	1.2	0.7	0.4	0.2	88.8	301.5	612.1
93°	1.8	1.9	1.9	1.6	1.2	0.8	0.4	0.2	85.2	293.1	600.5
94°	1.9	2.0	1.9	1.6	1.2	0.8	0.4	0.1	81.4	284.3	587.2
95°	1.9	2.0	1.9	1.6	1.2	0.8	0.4	0.1	78.0	273.7	572.0
96°	1.9	2.0	1.9	1.6	1.2	0.8	0.4	0.1	74.9	264.6	554.3
97°	1.9	2.0	1.9	1.7	1.2	0.8	0.4	0.1	72.1	257.0	538.0
98°	1.9	2.1	2.0	1.7	1.3	0.8	0.4	0.1	69.5	249.4	524.6
99°	2.0	2.1	2.0	1.7	1.3	0.8	0.5	0.1	67.0	241.4	510.8
100°	2.0	2.1	2.0	1.7	1.3	0.8	0.5	0.1	64.6	234.3	496.1
101°	2.0	2.1	2.0	1.7	1.3	0.8	0.5	0.1	62.2	227.1	482.1
102°	2.0	2.1	2.0	1.7	1.3	0.9	0.5	0.1	59.7	218.6	467.0
103°	2.0	2.1	2.0	1.7	1.3	0.9	0.5	0.1	56.9	209.8	450.5
104°	2.0	2.1	2.1	1.8	1.3	0.9	0.5	0.1	54.4	201.7	434.7
105°	2.0	2.1	2.1	1.8	1.3	0.9	0.5	0.1	52.0	193.6	418.9
106°	2.0	2.1	2.0	1.8	1.3	0.9	0.5	0.1	49.6	186.1	403.6
107°	2.0	2.1	2.0	1.7	1.3	0.9	0.5	0.1	47.6	178.6	388.1
108°	2.0	2.1	2.0	1.7	1.3	0.9	0.5	0.1	45.5	171.5	372.8
109°	2.0	2.1	2.0	1.7	1.3	0.9	0.5	0.1	43.7	164.5	358.1
110°	2.0	2.1	2.0	1.7	1.3	0.9	0.5	0.1	41.8	157.9	343.3
111°	2.0	2.1	2.0	1.8	1.3	0.9	0.5	0.1	39.9	151.2	329.0
112°	2.0	2.1	2.0	1.7	1.3	0.9	0.5	0.1	38.1	144.2	314.8
113°	2.0	2.1	2.0	1.7	1.3	0.9	0.5	0.1	36.3	137.5	301.0
114°	1.9	2.0	2.0	1.7	1.3	0.9	0.6	0.1	34.6	131.2	287.6
115°	1.9	2.0	1.9	1.7	1.3	0.9	0.6	0.2	32.9	125.0	274.6
116°	1.9	2.0	1.9	1.7	1.3	0.9	0.6	0.2	31.3	119.0	262.3
117°	1.9	2.0	1.9	1.7	1.3	0.9	0.6	0.2	29.7	113.4	250.2
118°	1.9	2.0	1.9	1.7	1.3	0.9	0.6	0.2	28.1	107.7	239.1
119°	1.8	2.0	1.9	1.7	1.3	0.9	0.6	0.2	26.4	102.4	227.4
120°	1.8	2.0	1.9	1.7	1.3	0.9	0.6	0.2	24.7	97.2	215.8
121°	1.8	2.0	1.9	1.7	1.3	0.9	0.6	0.2	23.2	92.1	205.3
122°	1.8	1.9	1.9	1.7	1.3	1.0	0.6	0.2	22.2	87.1	194.9
123°	1.8	1.9	1.9	1.7	1.3	1.0	0.6	0.2	21.5	82.0	185.3
124°	1.8	1.9	1.9	1.7	1.3	1.0	0.7	0.2	20.7	77.3	176.3
125°	1.8	1.9	1.9	1.7	1.4	1.0	0.7	0.2	19.9	72.9	167.5
126°	1.8	1.9	1.9	1.7	1.4	1.0	0.7	0.2	19.1	69.2	159.3
127°	1.8	1.9	1.9	1.7	1.4	1.0	0.7	0.2	18.5	65.8	151.0
128°	1.8	1.9	1.9	1.7	1.4	1.1	0.7	0.2	18.2	62.7	143.4
129°	1.8	1.9	1.9	1.7	1.4	1.1	0.7	0.2	17.9	60.0	136.0
130°	1.8	1.9	1.9	1.7	1.4	1.1	0.8	0.2	17.8	57.3	128.7
131°	1.8	1.9	1.9	1.7	1.4	1.1	0.8	0.3	17.6	54.5	121.0
132°	1.8	1.9	1.9	1.7	1.5	1.1	0.8	0.3	16.8	51.6	113.5
133°	1.8	1.9	1.9	1.7	1.5	1.1	0.8	0.3	15.7	48.5	106.1
134°	1.8	1.9	1.9	1.7	1.5	1.2	0.8	0.3	14.3	45.3	98.7

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CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	1.8	1.9	1.9	1.7	1.5	1.2	0.9	0.3	13.2	42.7	92.3
136°	1.8	1.9	1.9	1.7	1.5	1.2	0.9	0.3	12.5	40.5	85.9
137°	1.8	1.9	1.9	1.7	1.5	1.2	0.9	0.3	12.1	38.5	79.5
138°	1.8	1.9	1.9	1.8	1.5	1.2	0.9	0.3	11.8	36.7	74.8
139°	1.8	1.9	1.9	1.7	1.5	1.2	0.9	0.4	11.3	35.1	70.5
140°	1.8	1.9	1.9	1.7	1.5	1.2	0.9	0.4	10.6	33.8	66.3
141°	1.8	1.9	1.9	1.7	1.5	1.2	1.0	0.4	10.0	32.9	62.5
142°	1.8	1.9	1.8	1.7	1.5	1.3	1.0	0.4	9.3	32.2	59.0
143°	1.7	1.8	1.8	1.7	1.5	1.3	1.0	0.4	8.6	31.6	56.1
144°	1.7	1.8	1.8	1.7	1.5	1.3	1.0	0.4	8.0	30.9	53.7
145°	1.7	1.8	1.8	1.7	1.5	1.3	1.1	0.5	7.4	29.9	51.4
146°	1.7	1.8	1.8	1.7	1.5	1.3	1.1	0.5	6.8	28.5	49.3
147°	1.7	1.8	1.8	1.7	1.5	1.3	1.1	0.5	6.1	26.8	47.4
148°	1.7	1.8	1.8	1.7	1.5	1.3	1.1	0.5	5.4	25.2	45.9
149°	1.6	1.7	1.7	1.7	1.5	1.4	1.2	0.5	4.9	23.9	44.3
150°	1.6	1.7	1.7	1.7	1.5	1.4	1.2	0.6	4.4	22.6	42.1
151°	1.6	1.7	1.7	1.6	1.5	1.4	1.2	0.6	4.0	21.3	39.6
152°	1.6	1.6	1.6	1.6	1.5	1.4	1.2	0.6	3.5	19.9	37.2
153°	1.5	1.6	1.6	1.6	1.5	1.4	1.3	0.6	3.0	18.5	34.6
154°	1.5	1.5	1.6	1.5	1.5	1.4	1.3	0.6	2.4	17.3	32.1
155°	1.4	1.5	1.5	1.5	1.5	1.4	1.3	0.7	1.8	16.0	29.6
156°	1.4	1.5	1.5	1.5	1.5	1.4	1.3	0.7	1.2	14.7	27.3
157°	1.4	1.4	1.4	1.4	1.4	1.4	1.3	0.7	0.8	13.4	25.1
158°	1.3	1.4	1.4	1.4	1.4	1.4	1.3	0.7	0.7	12.1	23.1
159°	1.3	1.3	1.3	1.4	1.4	1.4	1.3	0.7	0.7	10.9	21.2
160°	1.2	1.3	1.3	1.3	1.3	1.3	1.3	0.8	0.7	9.7	19.3
161°	1.2	1.2	1.2	1.3	1.3	1.3	1.3	0.8	0.7	8.5	17.4
162°	1.2	1.2	1.2	1.2	1.2	1.3	1.3	0.8	0.7	7.3	15.5
163°	1.1	1.1	1.1	1.1	1.2	1.2	1.3	0.8	0.7	6.0	13.5
164°	1.1	1.1	1.0	1.1	1.1	1.2	1.3	0.8	0.8	4.7	11.9
165°	1.0	1.0	1.0	1.0	1.1	1.2	1.2	0.8	0.8	3.4	10.6
166°	1.0	1.0	0.9	1.0	1.0	1.1	1.2	0.9	0.8	2.1	9.1
167°	1.0	0.9	0.9	0.9	1.0	1.1	1.2	0.9	0.8	1.2	7.6
168°	0.9	0.9	0.8	0.8	0.9	1.0	1.1	0.9	0.8	0.8	5.8
169°	0.9	0.8	0.8	0.8	0.9	1.0	1.1	0.9	0.8	0.8	4.0
170°	0.9	0.8	0.8	0.8	0.8	1.0	1.1	0.9	0.9	0.8	2.2
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	0.7	0.7	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	0.7
174°	0.9	0.8	0.7	0.7	0.8	0.9	1.0	0.9	0.9	0.8	0.8
175°	0.8	0.8	0.7	0.7	0.7	0.8	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	0.7	0.7	0.7	0.7	0.8	0.9	1.0	0.9	0.9	0.8
178°	0.8	0.7	0.7	0.7	0.7	0.7	0.8	1.0	1.0	0.9	0.8
179°	0.8	0.7	0.7	0.7	0.7	0.7	0.8	1.0	1.0	0.9	0.9



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CATALOG NUMBER: CWP30 (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: P1444952

CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	587.2	587.2	587.2
1°	643.5	650.7	657.7
2°	693.7	709.8	721.9
3°	770.2	796.8	811.4
4°	833.7	854.3	863.3
5°	874.7	909.3	927.7
6°	940.3	987.7	1004.1
7°	999.8	1058.6	1072.2
8°	1055.4	1122.0	1152.4
9°	1116.0	1200.9	1227.4
10°	1183.3	1266.5	1290.0
11°	1239.6	1290.5	1316.8
12°	1260.2	1328.7	1340.6
13°	1296.0	1335.3	1329.3
14°	1301.5	1285.7	1278.9
15°	1280.8	1268.2	1285.5
16°	1224.7	1249.5	1277.7
17°	1229.2	1266.0	1272.3
18°	1204.3	1290.1	1325.7
19°	1205.7	1331.0	1383.5
20°	1236.3	1378.4	1429.7
21°	1269.2	1433.1	1467.1
22°	1312.3	1461.3	1506.5
23°	1350.4	1497.4	1539.0
24°	1376.0	1521.1	1568.2
25°	1406.6	1549.1	1597.8
26°	1428.5	1575.7	1630.9
27°	1444.5	1600.7	1651.7
28°	1459.9	1623.3	1668.6
29°	1478.9	1647.5	1702.0
30°	1495.9	1673.7	1725.7
31°	1515.8	1692.6	1735.6
32°	1530.1	1702.9	1750.2
33°	1542.8	1721.7	1776.1
34°	1556.3	1738.8	1794.6
35°	1570.5	1756.3	1818.4
36°	1581.2	1775.4	1836.9
37°	1590.1	1793.9	1862.0
38°	1599.2	1824.5	1902.2
39°	1613.6	1845.2	1907.5
40°	1625.6	1863.4	1939.8
41°	1634.4	1885.4	1946.3
42°	1648.9	1877.5	1923.0
43°	1647.3	1873.9	1940.0
44°	1644.0	1868.6	1891.5

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CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1641.1	1839.2	1881.6
46°	1622.3	1866.3	1912.0
47°	1608.2	1881.1	1942.6
48°	1633.7	1895.6	1973.3
49°	1663.6	1910.2	1961.7
50°	1660.9	1910.1	1994.8
51°	1663.2	1922.0	1995.3
52°	1657.5	1924.5	2015.2
53°	1641.0	1953.8	2058.8
54°	1641.7	1981.5	2068.3
55°	1655.1	1982.6	2057.7
56°	1667.2	1983.0	2057.7
57°	1670.5	1991.9	2064.1
58°	1675.4	1987.1	2040.1
59°	1674.6	1957.6	1993.4
60°	1668.8	1922.4	1968.8
61°	1647.5	1909.7	1965.3
62°	1627.1	1892.3	1947.9
63°	1615.0	1879.7	1914.3
64°	1612.3	1836.6	1871.8
65°	1591.9	1807.8	1856.7
66°	1563.3	1809.1	1858.8
67°	1550.0	1776.0	1803.5
68°	1534.6	1745.5	1799.1
69°	1513.3	1727.9	1774.5
70°	1494.7	1720.5	1770.6
71°	1478.4	1660.1	1679.1
72°	1432.5	1597.4	1655.5
73°	1378.5	1594.5	1636.2
74°	1366.5	1569.4	1615.5
75°	1345.2	1538.0	1575.8
76°	1314.1	1511.7	1560.9
77°	1289.1	1477.3	1520.7
78°	1258.4	1452.5	1492.7
79°	1229.7	1427.5	1474.6
80°	1193.3	1377.6	1417.4
81°	1169.7	1359.6	1404.0
82°	1136.4	1315.0	1359.8
83°	1097.0	1274.1	1322.9
84°	1062.7	1239.4	1289.8
85°	1035.7	1208.8	1263.8
86°	999.4	1164.1	1214.9
87°	969.0	1139.1	1188.2
88°	934.3	1104.0	1154.0
89°	904.3	1065.4	1115.6

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CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	877.3	1032.7	1080.7
91°	846.3	998.8	1047.5
92°	823.1	962.8	1012.6
93°	810.2	948.2	980.2
94°	798.7	933.9	967.2
95°	781.6	919.5	959.1
96°	762.7	899.8	940.3
97°	741.8	879.4	921.2
98°	724.3	856.9	902.0
99°	708.9	839.2	882.2
100°	693.2	825.3	869.0
101°	678.4	808.3	854.7
102°	663.0	792.5	836.8
103°	646.8	776.0	820.3
104°	628.9	759.1	803.8
105°	611.5	741.1	785.9
106°	593.8	721.8	767.2
107°	576.1	703.0	747.4
108°	557.6	682.9	726.2
109°	539.6	663.0	706.3
110°	521.6	642.0	684.5
111°	504.5	621.3	663.3
112°	487.1	601.6	642.7
113°	470.5	582.3	622.3
114°	454.1	563.9	603.0
115°	437.3	545.2	583.0
116°	420.8	526.6	564.1
117°	405.1	508.3	543.9
118°	389.6	490.5	525.1
119°	374.7	472.6	506.9
120°	359.8	454.6	488.7
121°	344.6	437.3	470.7
122°	329.6	420.5	452.2
123°	315.1	404.0	435.3
124°	300.8	387.3	417.9
125°	286.9	371.1	399.8
126°	273.2	354.8	383.2
127°	259.5	339.3	366.7
128°	246.2	323.6	350.3
129°	233.0	308.3	333.8
130°	219.6	293.0	317.9
131°	206.7	278.0	302.5
132°	194.2	263.2	287.1
133°	181.6	249.0	272.1
134°	169.2	234.7	257.2

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CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	157.2	221.0	242.8
136°	145.8	207.1	228.3
137°	135.0	193.3	214.4
138°	125.3	179.8	200.5
139°	116.0	166.0	186.4
140°	107.1	152.8	172.6
141°	98.7	139.7	159.0
142°	90.9	126.9	145.5
143°	83.2	114.2	132.2
144°	75.4	102.6	118.7
145°	69.2	92.8	105.6
146°	63.9	83.1	93.7
147°	59.5	73.5	81.7
148°	56.0	66.4	69.8
149°	53.6	61.1	62.6
150°	52.7	59.3	61.3
151°	51.4	59.5	62.4
152°	49.2	57.7	60.3
153°	46.6	54.8	57.2
154°	43.7	51.3	53.9
155°	40.4	47.7	50.3
156°	37.3	44.3	46.8
157°	34.6	41.4	43.7
158°	32.3	38.8	41.0
159°	30.2	36.3	38.5
160°	27.9	33.6	35.6
161°	25.4	30.7	32.6
162°	22.8	27.8	29.4
163°	20.2	25.0	26.6
164°	17.9	22.2	23.7
165°	15.8	19.6	21.0
166°	13.7	17.2	18.4
167°	12.0	14.8	15.9
168°	10.4	12.7	13.6
169°	8.4	11.0	11.8
170°	6.3	8.6	9.4
171°	4.0	6.2	7.0
172°	1.8	3.8	4.7
173°	0.7	1.5	2.1
174°	0.7	0.7	0.7
175°	0.7	0.6	0.6
176°	0.7	0.7	0.6
177°	0.7	0.7	0.7
178°	0.8	0.7	0.7
179°	0.8	0.7	0.7

REPORT NUMBER: P1444952

CATALOG NUMBER: CWP30 (30W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.7	0.7	0.7

(END OF REPORT)