

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: P1444951

Luminaire Tested: CWP30 (30W-3000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444951
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-3000K)
Description: COMPACT WALL PACK, 30W
SET TO 30W, 3000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3675.3 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U3 - G3

Input Watts (W): 30.2
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



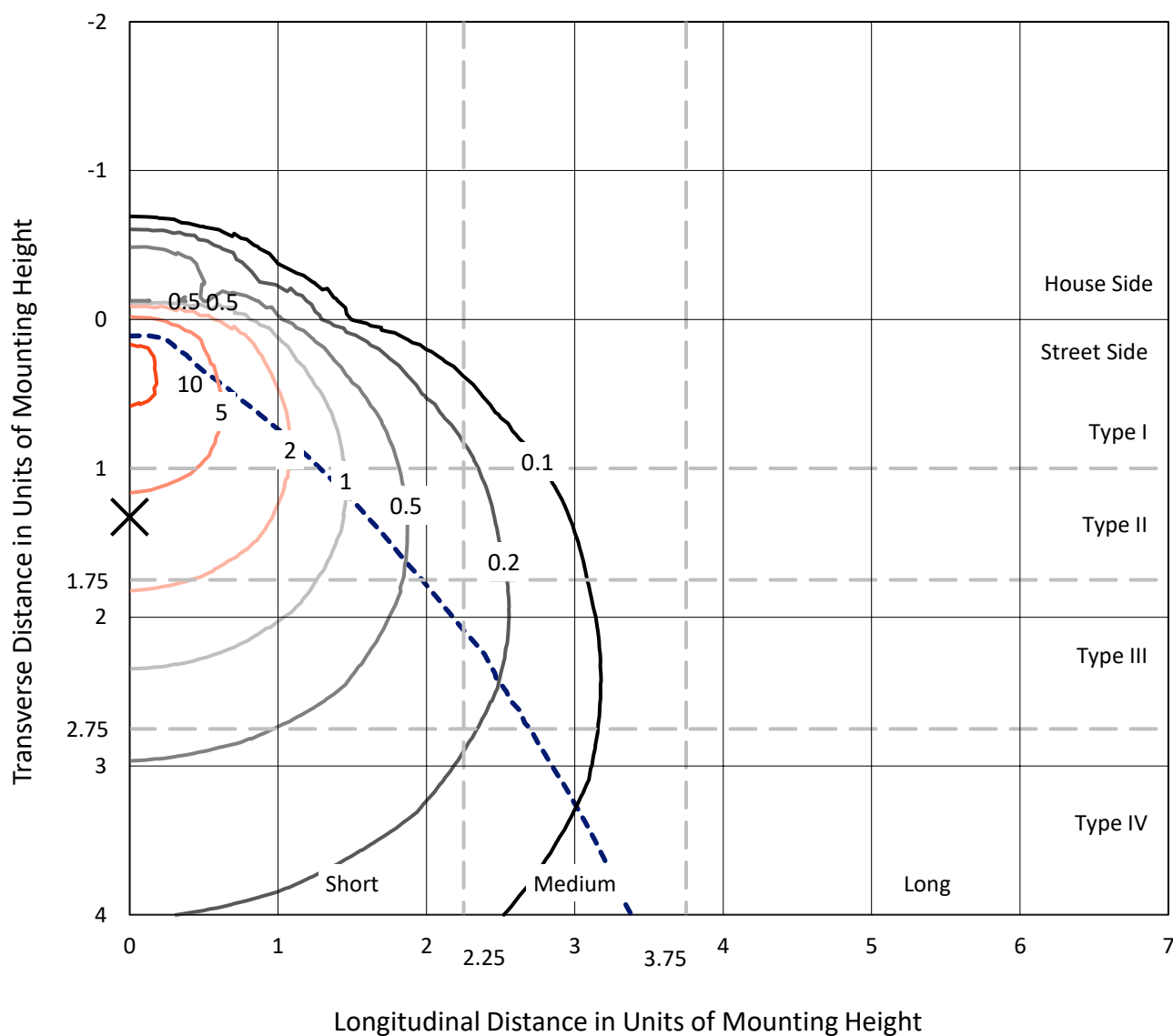
REPORT NUMBER: P1444951

CATALOG NUMBER: CWP30 (30W-3000K)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



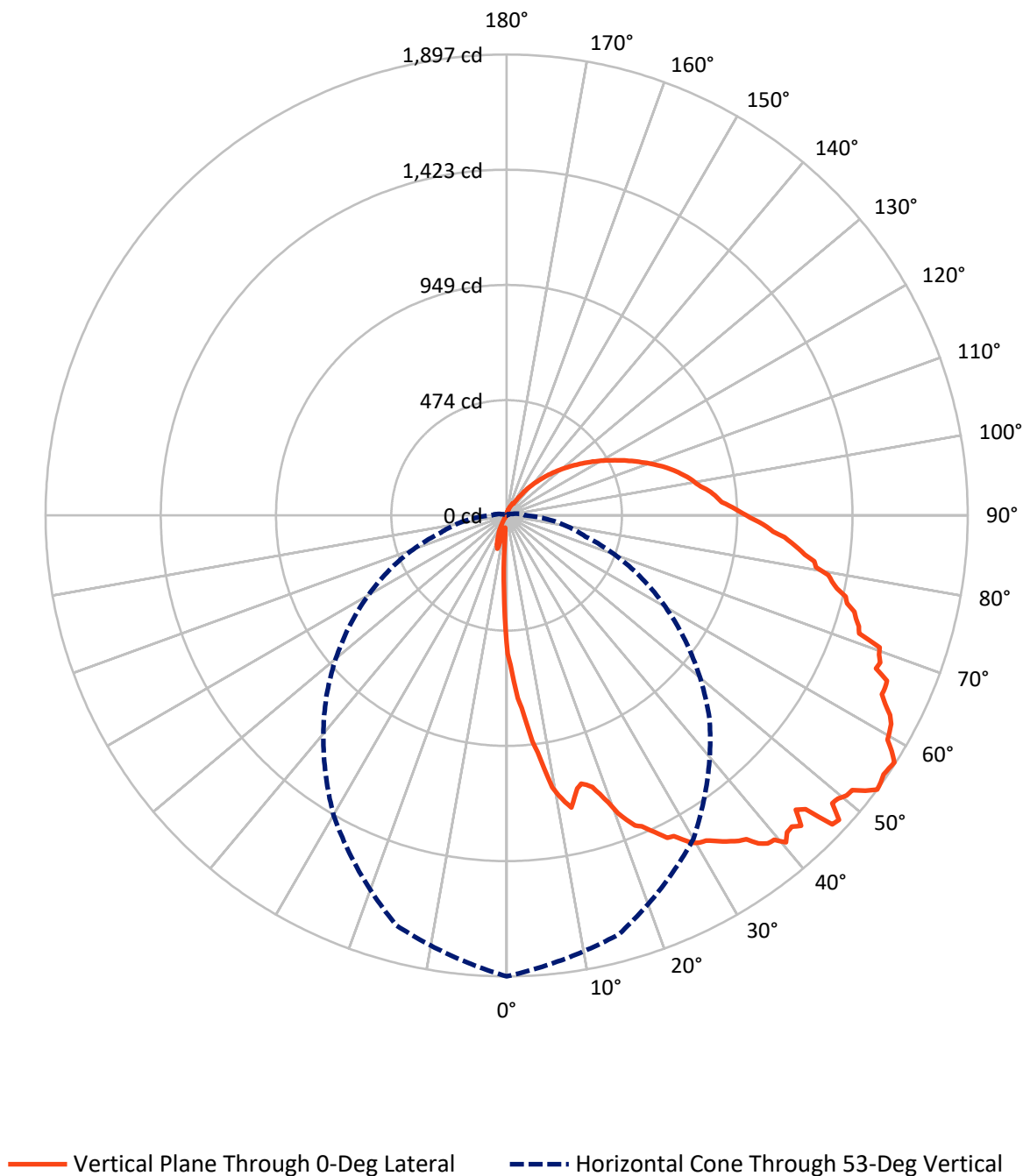
Based on 10 foot mounting height. Maximum calculated value = 10.9 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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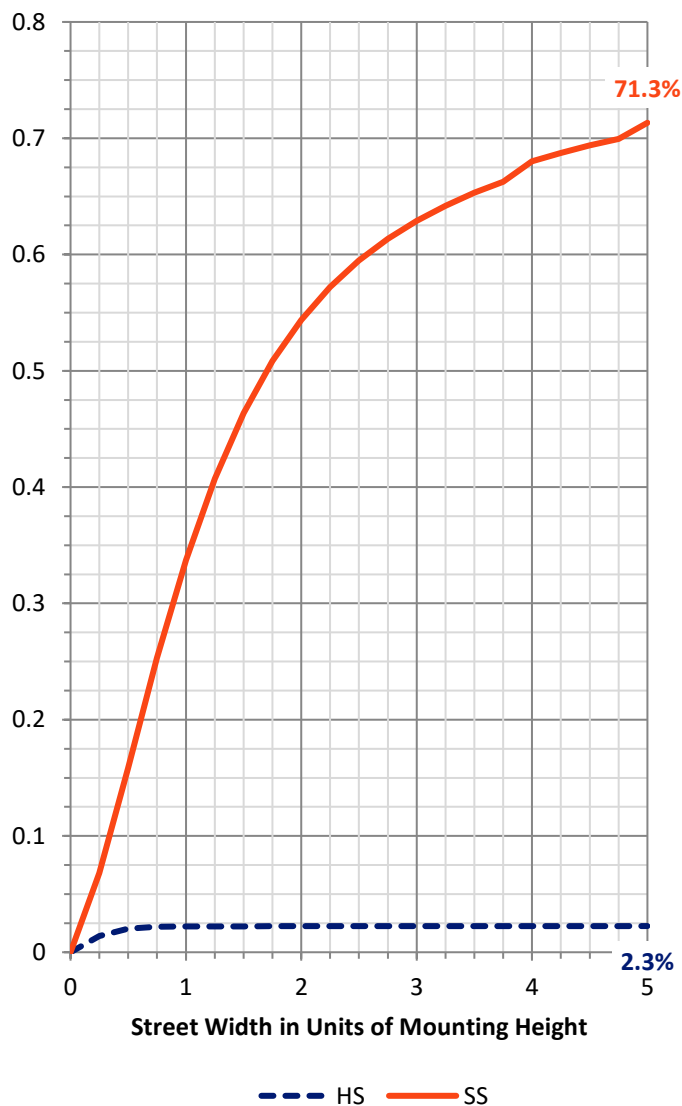
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	83.8	3.5	87.3
	% Fixture	2.3	0.1	2.4
Street Side	Lumens	2876.7	711.3	3588.0
	% Fixture	78.3	19.4	97.6
Total	Lumens	2960.5	714.8	3675.3
	% Fixture	80.6	19.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	1.3
10°-20°	154.6	4.2
20°-30°	259.3	7.1
30°-40°	354.5	9.6
40°-50°	424.2	11.5
50°-60°	475.4	12.9
60°-70°	479.7	13.1
70°-80°	427.3	11.6
80°-90°	336.8	9.2
90°-100°	254.1	6.9
100°-110°	192.1	5.2
110°-120°	128.9	3.5
120°-130°	77.0	2.1
130°-140°	39.2	1.1
140°-150°	15.6	0.4
150°-160°	6.1	0.2
160°-170°	1.6	0.0
170°-180°	0.1	0.0
0°-90°	2960.5	80.6
0°-180°	3675.3	100.0

Coefficient of Utilization



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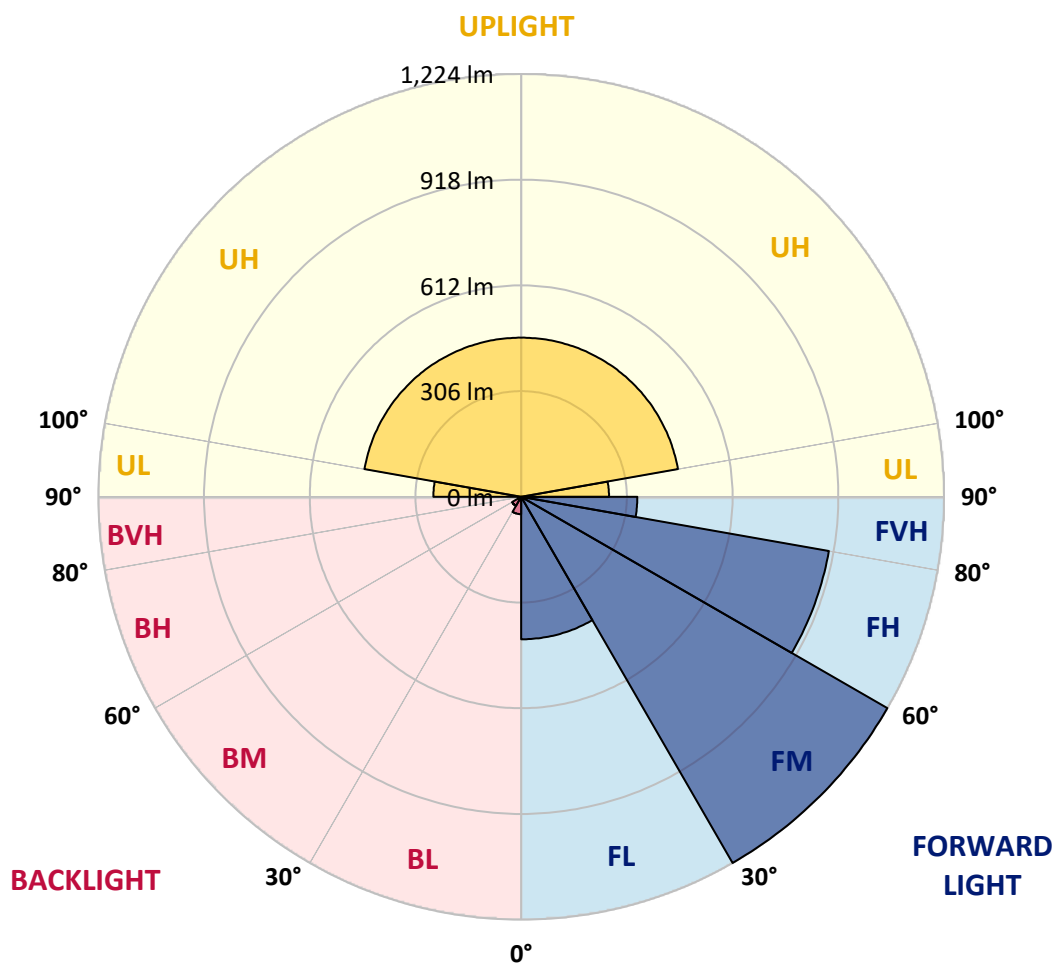
CATALOG NUMBER: CWP30 (30W-3000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	412.4	11.2			
FM	(30°-60°)	1223.8	33.3			
FH	(60°-80°)	904.3	24.6			G1/1800
FVH	(80°-90°)	336.2	9.1			G3/500
BL	(0°-30°)	50.2	1.4	B0/110		
BM	(30°-60°)	30.3	0.8	B0/220		
BH	(60°-80°)	2.7	0.1	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	254.1	6.9		U3/500	
UH	(100°-180°)	460.7	12.5		U3/500	

BUG Rating: B0-U3-G3

Type IV Short



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CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9
1°	615.7	617.5	612.4	607.2	597.5	585.6	556.3	535.5	517.9	497.5	480.9
2°	683.4	680.0	669.0	645.4	616.0	589.7	547.4	506.0	450.4	408.6	382.5
3°	753.5	749.4	732.5	693.0	644.2	606.9	549.2	475.0	391.2	331.7	290.3
4°	795.4	792.2	765.3	737.8	686.0	617.4	548.4	438.7	342.8	257.8	198.0
5°	862.8	854.8	809.3	773.4	722.1	634.3	547.3	408.3	289.9	183.8	106.6
6°	936.0	917.4	875.9	804.8	747.3	653.1	552.5	382.6	236.0	110.2	67.4
7°	983.3	978.2	940.1	858.4	773.8	674.7	557.7	359.4	182.2	72.0	56.4
8°	1055.6	1035.2	983.3	905.2	803.2	690.0	545.6	329.4	128.7	59.8	51.1
9°	1135.4	1106.4	1039.4	959.1	828.1	696.9	533.0	296.2	87.9	54.0	51.1
10°	1171.3	1159.5	1105.1	1000.9	854.0	708.5	526.2	269.6	69.4	51.6	52.8
11°	1204.1	1180.2	1152.9	1046.1	874.0	712.4	518.7	241.7	60.6	52.4	55.8
12°	1231.7	1212.9	1168.9	1087.0	899.2	714.8	512.4	213.9	56.0	53.9	60.9
13°	1194.0	1208.9	1203.9	1118.1	924.4	729.3	517.7	185.9	53.2	55.8	68.5
14°	1161.0	1156.0	1223.8	1131.0	944.1	730.4	502.0	153.1	51.4	59.8	79.8
15°	1146.6	1166.1	1179.6	1135.0	981.7	715.1	475.4	122.6	51.8	66.1	95.3
16°	1157.0	1142.3	1152.3	1157.0	997.4	710.4	458.0	99.9	52.8	73.4	111.4
17°	1172.5	1140.2	1143.3	1156.9	1009.2	696.9	436.0	82.3	54.9	82.8	124.1
18°	1209.4	1186.7	1127.8	1129.9	1019.3	693.4	422.6	69.6	57.1	92.3	133.8
19°	1253.4	1229.5	1113.2	1092.5	999.7	695.2	414.0	62.0	60.6	101.8	135.7
20°	1308.4	1265.7	1149.9	1095.2	986.8	710.4	404.7	57.7	64.6	109.0	132.7
21°	1347.3	1305.3	1192.8	1052.9	982.4	711.0	387.3	53.3	69.9	113.4	125.6
22°	1382.1	1336.8	1225.8	1038.2	988.5	705.2	375.2	49.9	74.6	114.0	116.8
23°	1395.5	1376.7	1261.0	1033.8	990.4	696.7	365.0	47.2	79.8	112.7	110.2
24°	1424.1	1389.6	1284.4	1050.4	953.5	690.2	359.0	45.8	82.5	109.9	101.8
25°	1452.1	1413.4	1315.1	1077.2	910.8	692.3	347.8	45.2	84.6	105.9	92.6
26°	1483.0	1438.4	1340.1	1103.0	885.0	686.2	336.9	45.9	85.8	100.9	84.4
27°	1488.9	1456.9	1363.5	1124.5	876.7	678.7	331.6	46.6	86.2	94.9	77.1
28°	1517.4	1482.6	1376.9	1144.3	854.1	678.1	327.2	47.7	85.8	88.3	70.0
29°	1548.7	1514.3	1392.9	1164.0	833.4	684.2	316.4	49.5	84.2	81.5	62.1
30°	1563.7	1534.4	1406.8	1174.6	818.9	687.4	301.2	52.3	82.0	75.4	55.0
31°	1569.8	1553.3	1421.7	1179.7	811.2	675.4	292.2	54.5	79.7	68.5	47.9
32°	1588.3	1571.1	1439.0	1181.3	816.3	667.2	276.2	55.6	76.1	62.1	41.3
33°	1609.7	1586.7	1451.4	1175.1	821.5	644.4	265.5	56.9	72.2	55.6	34.7
34°	1627.8	1594.5	1464.7	1172.5	830.6	635.5	258.2	58.1	67.8	49.7	28.8
35°	1645.1	1608.6	1478.1	1170.6	832.9	616.7	250.3	58.9	63.7	44.4	24.7
36°	1658.2	1628.9	1485.8	1171.9	833.0	608.7	239.4	59.3	59.5	39.6	20.6
37°	1702.4	1651.7	1495.8	1173.4	831.2	597.1	228.8	59.9	55.4	34.6	16.5
38°	1726.0	1678.8	1511.9	1172.2	827.8	575.7	218.2	59.2	51.2	29.9	13.5
39°	1731.0	1683.0	1528.0	1168.9	824.2	560.2	207.6	58.3	47.2	25.2	11.2
40°	1769.7	1698.9	1530.6	1169.0	818.5	539.6	199.8	56.6	43.3	21.8	9.5
41°	1741.4	1710.8	1538.0	1175.0	811.5	522.3	190.4	54.2	39.4	18.5	7.6
42°	1737.6	1697.7	1549.7	1175.4	808.3	505.6	180.8	51.6	35.6	15.1	5.8
43°	1761.2	1703.2	1547.5	1177.3	803.5	485.7	170.3	48.8	32.0	12.3	4.4
44°	1698.4	1691.6	1545.9	1173.7	801.4	468.9	160.0	46.0	28.9	9.9	3.7

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CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1725.6	1667.2	1546.8	1181.4	799.2	448.5	151.8	43.1	25.9	8.1	2.0
46°	1847.9	1704.9	1528.5	1177.5	796.8	427.3	144.6	40.1	23.2	6.5	0.3
47°	1854.8	1794.3	1514.8	1174.5	795.3	411.0	135.6	37.2	20.5	4.9	0.3
48°	1788.6	1777.4	1544.9	1177.4	790.0	394.0	125.4	34.7	17.8	3.2	0.3
49°	1794.2	1733.9	1568.9	1166.6	786.1	380.8	115.3	32.4	15.1	2.2	0.4
50°	1812.6	1734.4	1552.8	1161.6	781.0	367.9	105.8	29.7	12.7	1.5	0.4
51°	1817.5	1746.1	1548.3	1174.4	773.6	356.9	97.3	27.3	10.6	0.4	0.4
52°	1861.2	1756.9	1552.1	1185.1	766.2	346.9	86.5	25.0	8.9	0.3	0.4
53°	1897.3	1785.0	1537.2	1180.6	755.2	335.8	78.2	22.8	7.3	0.3	0.4
54°	1891.2	1801.9	1541.2	1173.8	742.4	325.8	70.7	20.8	5.9	0.3	0.5
55°	1882.8	1795.6	1557.4	1167.1	735.2	314.9	63.6	18.8	4.5	0.3	0.5
56°	1886.5	1801.7	1561.1	1164.3	735.7	304.1	58.6	16.8	3.3	0.4	0.5
57°	1891.9	1802.4	1567.2	1162.7	725.4	294.6	52.9	15.0	2.2	0.4	0.5
58°	1858.4	1795.9	1570.4	1163.6	706.7	284.9	48.3	13.4	1.3	0.4	0.5
59°	1818.8	1760.3	1568.4	1162.7	695.3	277.8	44.0	11.8	0.7	0.4	0.6
60°	1810.4	1736.1	1559.6	1157.0	682.5	271.4	41.2	10.4	0.4	0.4	0.6
61°	1799.9	1737.2	1535.0	1152.7	671.7	262.9	38.2	9.1	0.3	0.4	0.6
62°	1778.7	1713.6	1528.4	1148.4	661.2	255.5	35.4	8.0	0.3	0.5	0.6
63°	1740.6	1690.7	1523.1	1137.1	649.3	248.1	32.5	6.9	0.3	0.5	0.7
64°	1710.5	1655.1	1512.7	1124.0	639.1	240.4	30.3	6.0	0.3	0.5	0.7
65°	1711.6	1638.3	1490.8	1108.8	630.6	235.0	28.4	5.1	0.3	0.5	0.7
66°	1707.1	1644.4	1465.8	1100.4	616.5	228.3	26.7	4.2	0.3	0.6	0.8
67°	1645.7	1603.4	1459.4	1081.4	601.7	222.0	25.0	3.4	0.3	0.6	0.8
68°	1652.2	1580.3	1443.5	1065.0	591.3	216.0	23.3	2.7	0.4	0.6	0.8
69°	1636.8	1562.3	1415.1	1057.7	578.2	209.6	21.5	2.1	0.4	0.6	0.8
70°	1628.7	1564.1	1396.0	1043.9	563.6	202.2	19.8	1.6	0.4	0.6	0.9
71°	1529.5	1498.2	1390.1	1027.9	549.1	195.4	18.0	1.1	0.4	0.7	0.9
72°	1519.6	1449.3	1344.1	1012.7	540.2	188.9	16.4	0.7	0.4	0.7	0.9
73°	1499.4	1438.4	1296.9	1003.3	524.2	181.4	14.8	0.5	0.4	0.7	0.9
74°	1484.7	1419.0	1285.3	965.4	509.9	175.6	13.3	0.4	0.4	0.7	1.0
75°	1447.4	1387.0	1259.6	944.5	498.6	169.0	11.8	0.3	0.4	0.7	1.0
76°	1434.6	1367.9	1228.3	922.5	476.8	162.4	10.4	0.3	0.5	0.8	1.0
77°	1392.8	1334.3	1208.7	904.6	461.3	155.9	9.1	0.3	0.5	0.8	1.1
78°	1366.4	1308.8	1172.6	885.4	448.3	148.8	7.8	0.3	0.5	0.8	1.1
79°	1346.1	1290.0	1142.6	859.2	433.2	142.6	6.6	0.2	0.5	0.8	1.1
80°	1291.1	1236.9	1114.9	839.4	416.8	136.1	5.5	0.2	0.5	0.8	1.1
81°	1279.6	1227.7	1094.6	808.3	404.0	130.3	4.5	0.3	0.5	0.9	1.2
82°	1237.5	1188.1	1058.1	792.6	386.2	124.4	3.5	0.3	0.5	0.9	1.2
83°	1208.8	1155.4	1025.4	759.4	372.8	119.3	2.7	0.3	0.5	0.9	1.2
84°	1177.8	1125.9	1000.8	737.4	359.2	113.8	1.9	0.3	0.6	0.9	1.2
85°	1146.9	1096.3	969.8	713.9	346.2	109.0	1.3	0.3	0.6	0.9	1.2
86°	1098.0	1053.8	929.8	685.5	333.4	104.6	0.8	0.3	0.6	0.9	1.2
87°	1072.0	1029.9	901.6	664.0	323.2	101.0	0.4	0.3	0.6	0.9	1.3
88°	1039.1	999.6	870.0	639.2	314.7	98.8	0.2	0.3	0.6	1.0	1.3
89°	1001.7	961.2	837.7	621.0	308.4	96.3	0.1	0.3	0.6	1.0	1.3

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CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	972.0	932.4	815.6	606.2	302.8	93.9	0.1	0.3	0.6	1.0	1.3
91°	944.6	905.2	790.7	590.2	298.2	90.5	0.1	0.3	0.6	1.0	1.4
92°	917.1	875.1	767.6	579.2	291.4	87.0	0.1	0.3	0.7	1.0	1.4
93°	887.1	853.2	755.4	568.9	283.2	83.5	0.1	0.3	0.7	1.0	1.4
94°	873.8	842.8	743.9	555.9	275.0	80.0	0.1	0.3	0.7	1.1	1.4
95°	861.5	832.6	727.9	542.6	265.4	76.3	0.1	0.4	0.7	1.1	1.4
96°	845.3	814.3	711.8	526.8	255.3	73.0	0.1	0.4	0.7	1.1	1.4
97°	828.2	798.3	693.0	511.1	247.8	70.3	0.1	0.4	0.7	1.1	1.4
98°	807.7	778.5	676.6	497.6	239.8	67.5	0.1	0.4	0.7	1.1	1.5
99°	792.0	762.2	663.5	484.7	231.5	64.9	0.1	0.4	0.7	1.1	1.5
100°	779.9	752.5	649.0	470.3	224.4	62.5	0.2	0.4	0.7	1.1	1.5
101°	767.5	736.6	633.6	456.1	217.4	60.2	0.2	0.4	0.7	1.1	1.5
102°	751.7	721.3	617.8	442.3	209.2	57.8	0.2	0.4	0.8	1.1	1.5
103°	736.2	706.1	602.8	427.0	200.7	55.0	0.2	0.4	0.8	1.1	1.5
104°	721.9	690.9	586.3	411.5	192.6	52.6	0.2	0.4	0.8	1.2	1.5
105°	705.1	675.0	570.0	395.9	184.7	50.2	0.2	0.4	0.8	1.2	1.5
106°	689.8	657.8	553.8	380.5	177.0	47.9	0.2	0.4	0.8	1.2	1.5
107°	670.8	640.5	536.5	365.7	169.8	45.8	0.2	0.4	0.8	1.2	1.5
108°	652.8	622.1	518.6	351.4	162.8	43.8	0.2	0.4	0.8	1.2	1.5
109°	634.8	604.3	502.0	337.2	156.1	42.0	0.2	0.4	0.8	1.2	1.5
110°	616.2	585.0	485.6	323.3	149.7	40.3	0.2	0.4	0.8	1.2	1.5
111°	596.8	567.2	469.3	309.7	142.9	38.5	0.2	0.4	0.8	1.2	1.5
112°	579.0	549.6	452.4	295.9	136.4	36.8	0.2	0.4	0.8	1.1	1.5
113°	561.4	532.2	436.7	282.7	130.0	35.1	0.2	0.4	0.8	1.1	1.5
114°	543.4	514.6	421.2	270.0	123.9	33.4	0.2	0.4	0.8	1.1	1.5
115°	526.6	497.9	405.8	257.8	118.2	31.8	0.2	0.4	0.8	1.1	1.4
116°	508.6	480.9	390.9	246.2	112.4	30.3	0.2	0.4	0.8	1.1	1.4
117°	491.3	464.3	376.1	235.1	107.1	28.7	0.2	0.4	0.8	1.1	1.4
118°	475.0	447.7	361.3	224.6	101.8	27.1	0.2	0.4	0.7	1.1	1.4
119°	458.2	431.4	347.0	213.7	96.9	25.5	0.2	0.4	0.7	1.1	1.4
120°	441.9	415.5	333.4	202.9	92.6	23.7	0.2	0.4	0.7	1.1	1.4
121°	425.8	399.7	319.3	192.5	87.7	22.2	0.2	0.5	0.8	1.1	1.4
122°	409.6	384.3	305.1	183.0	82.7	21.2	0.2	0.5	0.8	1.1	1.4
123°	394.2	369.1	291.8	173.9	78.2	20.5	0.2	0.5	0.8	1.1	1.4
124°	378.2	354.0	278.5	165.5	73.7	19.8	0.2	0.5	0.8	1.1	1.4
125°	362.2	339.2	265.7	157.6	69.5	19.0	0.2	0.5	0.8	1.1	1.4
126°	347.1	324.8	253.1	149.8	65.7	18.3	0.3	0.5	0.8	1.1	1.4
127°	332.1	310.6	240.4	142.4	62.5	17.8	0.3	0.5	0.8	1.1	1.4
128°	317.8	296.3	228.3	134.8	59.5	17.4	0.3	0.5	0.8	1.1	1.4
129°	303.0	282.2	216.2	127.8	57.0	17.2	0.3	0.5	0.8	1.1	1.4
130°	288.8	268.2	204.0	120.9	54.6	17.2	0.3	0.5	0.8	1.1	1.4
131°	275.0	254.9	192.1	113.9	52.3	17.1	0.3	0.5	0.8	1.1	1.4
132°	261.0	241.1	180.4	107.1	49.8	16.6	0.3	0.5	0.8	1.1	1.4
133°	247.6	227.8	168.6	100.4	46.9	15.8	0.3	0.6	0.8	1.1	1.4
134°	233.8	214.9	157.5	93.5	43.9	14.6	0.3	0.6	0.8	1.1	1.4

REPORT NUMBER: P1444951

CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	220.7	202.2	146.6	87.5	41.2	13.3	0.4	0.6	0.8	1.1	1.4
136°	207.8	189.5	136.0	81.6	39.0	12.4	0.4	0.6	0.9	1.1	1.4
137°	195.2	177.2	126.5	75.6	37.1	12.0	0.4	0.6	0.9	1.2	1.4
138°	182.6	164.7	117.3	71.0	35.4	11.7	0.4	0.6	0.9	1.2	1.4
139°	169.9	152.5	109.0	66.8	33.9	11.2	0.4	0.6	0.9	1.2	1.4
140°	157.3	140.5	100.8	62.9	32.6	10.7	0.4	0.7	0.9	1.2	1.4
141°	145.1	128.7	93.0	59.2	31.8	10.1	0.5	0.7	0.9	1.2	1.4
142°	132.8	117.0	85.8	56.0	31.1	9.5	0.5	0.7	0.9	1.2	1.4
143°	120.7	105.4	78.6	53.3	30.5	8.9	0.5	0.7	0.9	1.2	1.4
144°	108.4	94.9	71.3	51.1	29.8	8.3	0.5	0.7	1.0	1.2	1.4
145°	96.5	85.9	65.3	48.8	29.1	7.6	0.6	0.7	1.0	1.2	1.4
146°	85.5	77.0	60.2	46.8	28.0	6.9	0.6	0.8	1.0	1.2	1.4
147°	74.6	68.0	55.9	45.0	26.4	6.2	0.6	0.8	1.0	1.2	1.4
148°	63.7	61.3	52.3	43.6	24.7	5.5	0.6	0.8	1.0	1.2	1.4
149°	56.9	56.2	49.5	42.1	23.4	4.9	0.6	0.8	1.0	1.2	1.4
150°	55.4	53.6	48.3	40.1	22.1	4.5	0.7	0.8	1.0	1.2	1.3
151°	56.4	53.9	47.4	37.8	20.9	4.1	0.7	0.8	1.0	1.2	1.3
152°	54.9	52.7	45.6	35.4	19.6	3.7	0.7	0.8	1.0	1.2	1.3
153°	52.2	50.2	43.2	33.0	18.3	3.2	0.7	0.9	1.0	1.1	1.3
154°	49.2	47.2	40.6	30.6	17.1	2.8	0.8	0.9	1.0	1.1	1.2
155°	45.9	43.9	37.6	28.3	15.9	2.2	0.8	0.9	1.0	1.1	1.2
156°	42.8	40.8	34.7	26.1	14.7	1.7	0.8	0.9	1.0	1.1	1.2
157°	40.1	38.0	32.2	24.0	13.4	1.2	0.8	0.9	1.0	1.1	1.2
158°	37.6	35.7	30.1	22.1	12.2	0.9	0.8	0.9	1.0	1.1	1.2
159°	35.2	33.5	28.2	20.3	11.0	0.8	0.9	0.9	1.0	1.1	1.1
160°	32.8	31.2	26.2	18.6	9.8	0.9	0.9	0.9	1.0	1.1	1.1
161°	30.0	28.6	24.0	16.8	8.5	0.9	0.9	0.9	1.0	1.0	1.1
162°	27.0	25.8	21.6	15.0	7.3	0.8	0.9	0.9	1.0	1.0	1.1
163°	24.4	23.2	19.2	13.3	6.0	0.8	0.9	0.9	1.0	1.0	1.0
164°	21.8	20.7	17.0	11.6	4.7	0.8	0.9	0.9	1.0	1.0	1.0
165°	19.3	18.3	15.0	10.3	3.6	0.8	0.9	0.9	1.0	1.0	1.0
166°	16.9	16.0	13.1	8.8	2.5	0.8	0.9	0.9	1.0	1.0	1.0
167°	14.7	13.9	11.4	7.2	1.6	0.9	0.9	0.9	1.0	1.0	0.9
168°	12.6	12.0	9.6	5.6	1.0	0.9	0.9	0.9	1.0	1.0	0.9
169°	10.8	10.3	7.7	4.0	0.9	0.9	0.9	0.9	1.0	0.9	0.9
170°	8.5	8.0	5.8	2.4	0.8	0.9	0.9	0.9	1.0	0.9	0.9
171°	6.1	5.6	3.8	1.1	0.8	0.9	0.9	0.9	0.9	0.9	0.9
172°	3.8	3.3	1.8	0.8	0.8	0.9	1.0	1.0	0.9	0.9	0.9
173°	1.6	1.3	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.9
174°	0.7	0.7	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.8
175°	0.6	0.6	0.6	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.8
176°	0.6	0.6	0.6	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.8
177°	0.6	0.6	0.6	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.8
178°	0.6	0.6	0.6	0.7	0.7	0.8	0.9	0.9	0.9	0.9	0.8
179°	0.6	0.6	0.6	0.7	0.7	0.8	0.9	0.9	0.9	0.9	0.8



REPORT NUMBER: P1444951
CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

REPORT NUMBER: P1444951

CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9	569.9
1°	474.9	475.8	486.3	502.7	520.0	538.8	560.9	555.8	575.4	587.9	596.6
2°	364.7	361.7	375.2	400.6	433.9	483.5	532.5	551.7	583.6	603.7	632.8
3°	270.0	265.8	278.1	307.9	354.4	420.0	506.8	547.0	588.6	632.0	678.5
4°	175.3	170.0	180.9	215.2	279.7	365.8	472.6	543.0	593.4	662.5	725.9
5°	80.7	76.3	85.6	123.4	204.9	312.5	432.7	540.2	605.5	692.7	757.3
6°	59.6	57.9	61.1	71.8	130.8	261.1	406.9	539.5	623.8	725.0	780.4
7°	52.0	51.2	52.2	57.7	79.8	209.6	377.2	539.9	639.2	746.2	829.9
8°	50.6	50.7	50.1	50.9	61.4	158.2	348.4	529.1	652.2	761.3	872.6
9°	51.7	52.3	51.2	49.8	54.0	107.4	310.1	511.8	650.0	789.4	923.4
10°	54.9	55.9	54.3	51.2	50.6	77.1	279.3	494.2	651.6	802.8	948.8
11°	60.2	61.5	59.1	53.7	49.8	63.3	248.7	480.2	654.8	813.0	998.0
12°	67.4	67.8	65.4	57.9	50.6	56.0	223.5	467.2	652.2	835.9	1022.8
13°	79.1	82.2	76.1	64.0	51.9	51.0	198.3	456.9	654.5	847.1	1056.4
14°	99.7	108.6	94.6	72.2	54.5	48.2	173.0	453.1	649.3	852.2	1058.8
15°	122.6	129.6	117.0	86.6	59.0	46.7	146.1	436.1	645.9	866.6	1062.1
16°	139.5	142.4	133.6	101.4	64.4	46.7	117.0	416.8	632.2	898.4	1068.1
17°	140.0	135.6	138.8	112.7	70.6	47.4	94.6	396.9	623.0	910.7	1072.2
18°	137.1	132.0	133.2	122.9	78.1	49.2	76.9	382.8	614.1	920.7	1043.3
19°	133.5	126.6	130.3	126.7	86.1	50.9	64.2	366.4	606.8	903.8	1001.2
20°	124.8	116.4	123.4	123.0	92.0	53.9	55.6	357.1	611.1	883.4	1008.1
21°	114.3	104.7	112.4	117.4	97.6	57.6	50.8	353.2	614.7	877.5	979.5
22°	105.2	97.6	101.9	110.8	99.8	62.1	46.6	342.0	622.7	869.5	973.5
23°	98.0	87.3	95.6	103.0	99.5	66.3	43.8	332.2	616.2	866.2	954.9
24°	87.0	80.4	84.2	94.9	98.1	69.7	41.5	325.8	605.0	856.6	973.2
25°	80.0	74.5	77.2	87.2	94.7	72.0	40.2	316.1	602.0	819.9	987.6
26°	74.3	65.8	72.1	79.5	91.8	74.2	39.5	308.2	594.7	785.3	1003.8
27°	66.7	60.5	64.9	71.5	86.5	75.0	39.6	303.0	589.9	776.5	1021.8
28°	59.3	54.0	56.9	64.9	80.5	74.9	39.7	294.6	599.9	761.6	1036.2
29°	52.5	44.8	51.5	58.7	74.1	74.0	40.4	282.6	590.6	745.0	1051.0
30°	44.5	38.6	43.5	51.1	68.2	72.6	41.6	273.0	582.8	731.5	1061.8
31°	35.8	31.6	35.8	45.1	62.4	70.6	42.9	264.6	577.0	720.7	1069.9
32°	28.0	24.6	28.0	39.0	56.8	67.6	44.2	257.6	569.8	726.3	1067.7
33°	23.8	17.7	23.8	33.0	51.5	64.2	45.5	244.5	557.4	726.9	1062.5
34°	19.5	17.0	19.6	27.4	45.7	60.7	46.7	229.6	542.1	731.8	1057.6
35°	15.3	14.5	15.4	23.6	40.4	57.6	47.4	219.0	521.8	730.8	1057.4
36°	12.7	13.5	12.6	19.7	35.7	53.9	47.6	211.9	511.0	730.9	1057.3
37°	11.7	10.9	11.6	15.9	31.5	49.8	47.7	200.2	499.3	730.7	1059.9
38°	9.7	8.9	9.9	13.0	27.5	45.5	47.2	185.0	484.8	728.8	1055.8
39°	8.0	7.7	7.9	10.7	23.8	41.9	46.3	173.8	470.3	724.7	1053.3
40°	6.7	7.2	6.6	9.0	20.1	38.2	44.6	167.1	451.6	717.6	1053.8
41°	6.2	3.6	6.1	7.5	16.4	34.7	43.0	159.5	431.6	709.0	1056.1
42°	2.9	0.3	3.6	5.6	13.9	31.5	40.9	151.7	413.6	702.5	1059.3
43°	0.3	0.3	0.4	4.4	11.6	28.2	39.0	145.8	402.3	699.6	1061.5
44°	0.3	0.4	0.4	3.6	9.3	25.3	36.9	139.2	391.9	696.4	1059.0

REPORT NUMBER: P1444951

CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.4	0.4	0.4	2.5	7.6	22.8	35.0	130.6	378.7	692.6	1059.6
46°	0.4	0.4	0.4	0.4	6.1	20.2	33.0	120.8	365.8	690.0	1057.5
47°	0.4	0.4	0.4	0.4	4.8	17.7	30.7	113.2	352.6	687.4	1053.0
48°	0.4	0.4	0.4	0.4	3.3	15.7	28.7	103.3	337.6	683.7	1051.2
49°	0.4	0.5	0.5	0.4	2.2	13.6	26.5	93.4	325.2	680.7	1041.0
50°	0.5	0.5	0.5	0.4	1.6	11.5	24.3	85.3	314.8	676.4	1034.1
51°	0.5	0.5	0.5	0.4	0.9	9.8	22.3	77.2	304.1	670.7	1042.2
52°	0.5	0.5	0.5	0.5	0.4	8.2	20.3	69.1	295.2	666.3	1049.2
53°	0.5	0.6	0.6	0.5	0.4	6.8	18.3	62.5	285.8	656.6	1047.5
54°	0.5	0.6	0.6	0.5	0.4	5.6	16.5	54.5	276.8	646.8	1040.5
55°	0.6	0.6	0.6	0.5	0.4	4.4	14.7	49.0	267.4	641.9	1035.9
56°	0.6	0.6	0.6	0.5	0.4	3.3	13.1	44.8	258.4	642.0	1033.3
57°	0.6	0.7	0.6	0.6	0.4	2.4	11.5	41.4	251.1	634.2	1028.3
58°	0.6	0.7	0.7	0.6	0.5	1.6	10.2	37.2	242.8	620.5	1029.7
59°	0.7	0.7	0.7	0.6	0.5	1.0	9.0	34.4	236.1	611.6	1035.0
60°	0.7	0.8	0.7	0.6	0.5	0.6	7.9	32.6	230.9	599.6	1026.5
61°	0.7	0.8	0.8	0.7	0.5	0.4	6.9	31.1	224.5	589.1	1019.0
62°	0.8	0.8	0.8	0.7	0.5	0.4	6.1	29.6	217.7	578.7	1017.3
63°	0.8	0.9	0.8	0.7	0.6	0.4	5.4	28.2	212.0	569.3	1013.9
64°	0.8	0.9	0.9	0.8	0.6	0.4	4.7	26.7	205.6	559.4	999.6
65°	0.9	0.9	0.9	0.8	0.6	0.4	4.1	25.2	200.4	547.6	987.4
66°	0.9	1.0	0.9	0.8	0.6	0.4	3.6	23.9	195.2	539.1	978.9
67°	0.9	1.0	1.0	0.8	0.6	0.4	3.0	22.4	188.9	526.8	965.4
68°	1.0	1.0	1.0	0.9	0.7	0.4	2.5	21.0	183.8	515.2	948.0
69°	1.0	1.1	1.0	0.9	0.7	0.4	2.0	19.6	178.4	504.7	941.2
70°	1.0	1.1	1.1	0.9	0.7	0.4	1.6	18.2	172.5	493.6	934.1
71°	1.1	1.1	1.1	1.0	0.7	0.4	1.2	16.8	166.3	480.6	918.8
72°	1.1	1.2	1.1	1.0	0.7	0.5	0.8	15.5	161.0	470.1	907.0
73°	1.1	1.2	1.2	1.0	0.8	0.5	0.6	14.1	155.3	459.2	897.9
74°	1.2	1.2	1.2	1.0	0.8	0.5	0.4	12.8	149.3	447.9	872.4
75°	1.2	1.3	1.2	1.1	0.8	0.5	0.4	11.6	144.0	437.0	847.3
76°	1.2	1.3	1.3	1.1	0.8	0.5	0.3	10.3	138.7	421.3	827.9
77°	1.2	1.3	1.3	1.1	0.8	0.5	0.3	9.1	133.5	405.4	813.4
78°	1.3	1.4	1.3	1.1	0.9	0.5	0.3	7.9	127.0	393.6	798.8
79°	1.3	1.4	1.3	1.2	0.9	0.5	0.3	6.8	121.2	380.6	776.8
80°	1.3	1.4	1.4	1.2	0.9	0.6	0.3	5.7	115.9	367.3	758.7
81°	1.4	1.4	1.4	1.2	0.9	0.6	0.3	4.7	110.9	355.4	736.1
82°	1.4	1.5	1.4	1.2	0.9	0.6	0.3	3.8	106.2	340.6	719.2
83°	1.4	1.5	1.4	1.3	0.9	0.6	0.3	3.0	101.5	331.0	693.0
84°	1.4	1.5	1.5	1.3	1.0	0.6	0.3	2.2	96.3	316.7	669.6
85°	1.4	1.5	1.5	1.3	1.0	0.6	0.3	1.5	92.2	305.2	649.2
86°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	1.0	88.1	293.0	625.1
87°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	0.5	83.9	283.4	605.7
88°	1.5	1.6	1.6	1.4	1.0	0.6	0.3	0.2	81.3	273.8	582.5
89°	1.5	1.6	1.6	1.4	1.0	0.7	0.4	0.1	79.4	267.3	565.1

REPORT NUMBER: P1444951

CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	77.5	261.3	548.7
91°	1.6	1.7	1.6	1.4	1.1	0.7	0.4	0.1	75.7	257.0	533.8
92°	1.6	1.7	1.7	1.4	1.1	0.7	0.4	0.1	73.1	252.6	524.9
93°	1.6	1.7	1.7	1.5	1.1	0.7	0.4	0.1	69.9	246.2	516.3
94°	1.7	1.8	1.7	1.5	1.1	0.7	0.4	0.1	67.1	239.7	505.6
95°	1.7	1.8	1.7	1.5	1.1	0.7	0.4	0.1	64.2	231.8	492.9
96°	1.7	1.8	1.7	1.5	1.1	0.7	0.4	0.1	61.4	223.0	478.5
97°	1.7	1.8	1.8	1.5	1.1	0.7	0.4	0.1	59.0	216.2	464.1
98°	1.7	1.8	1.8	1.5	1.2	0.8	0.4	0.1	56.9	210.3	451.9
99°	1.7	1.8	1.8	1.5	1.2	0.8	0.4	0.1	54.9	203.8	441.1
100°	1.7	1.9	1.8	1.6	1.2	0.8	0.4	0.1	53.0	197.8	428.5
101°	1.8	1.9	1.8	1.6	1.2	0.8	0.4	0.1	51.1	191.8	416.4
102°	1.8	1.9	1.8	1.6	1.2	0.8	0.5	0.1	49.2	185.8	404.0
103°	1.8	1.9	1.8	1.6	1.2	0.8	0.5	0.1	47.0	178.4	391.1
104°	1.8	1.9	1.9	1.6	1.2	0.8	0.5	0.1	44.8	171.5	376.6
105°	1.8	1.9	1.9	1.6	1.2	0.8	0.5	0.1	43.0	165.0	363.5
106°	1.8	1.9	1.8	1.6	1.2	0.8	0.5	0.1	41.0	158.3	350.1
107°	1.8	1.9	1.8	1.6	1.2	0.8	0.5	0.1	39.3	152.1	337.0
108°	1.8	1.9	1.8	1.6	1.2	0.8	0.5	0.1	37.6	146.4	324.2
109°	1.8	1.9	1.8	1.6	1.2	0.8	0.5	0.1	36.0	140.7	311.6
110°	1.8	1.9	1.8	1.6	1.2	0.8	0.5	0.1	34.5	135.0	298.7
111°	1.8	1.9	1.8	1.6	1.2	0.8	0.5	0.1	33.0	129.3	286.3
112°	1.8	1.9	1.8	1.6	1.2	0.8	0.5	0.1	31.6	123.8	274.2
113°	1.7	1.9	1.8	1.6	1.2	0.8	0.5	0.1	30.1	118.0	262.4
114°	1.7	1.8	1.8	1.5	1.2	0.8	0.5	0.1	28.7	112.6	250.2
115°	1.7	1.8	1.8	1.5	1.2	0.8	0.5	0.1	27.3	107.6	239.0
116°	1.7	1.8	1.7	1.5	1.2	0.8	0.5	0.1	26.0	102.4	228.2
117°	1.7	1.8	1.7	1.5	1.2	0.8	0.5	0.2	24.7	97.4	218.0
118°	1.6	1.8	1.7	1.5	1.2	0.8	0.5	0.2	23.3	92.5	208.6
119°	1.6	1.8	1.7	1.5	1.2	0.9	0.6	0.2	21.9	88.1	198.6
120°	1.6	1.7	1.7	1.5	1.2	0.9	0.6	0.2	20.5	83.7	188.5
121°	1.6	1.7	1.7	1.5	1.2	0.9	0.6	0.2	19.1	79.3	179.1
122°	1.6	1.7	1.7	1.5	1.2	0.9	0.6	0.2	18.1	75.0	170.1
123°	1.6	1.7	1.7	1.5	1.2	0.9	0.6	0.2	17.5	70.9	161.8
124°	1.6	1.7	1.7	1.5	1.2	0.9	0.6	0.2	17.0	66.7	153.5
125°	1.6	1.7	1.7	1.5	1.3	0.9	0.6	0.2	16.4	62.9	146.0
126°	1.6	1.7	1.7	1.5	1.3	1.0	0.7	0.2	15.7	59.4	138.9
127°	1.6	1.7	1.7	1.5	1.3	1.0	0.7	0.2	15.1	56.5	132.0
128°	1.6	1.7	1.7	1.6	1.3	1.0	0.7	0.2	14.7	53.8	125.3
129°	1.6	1.7	1.7	1.6	1.3	1.0	0.7	0.2	14.5	51.4	118.6
130°	1.6	1.7	1.7	1.6	1.3	1.0	0.7	0.2	14.4	49.3	112.3
131°	1.6	1.7	1.7	1.6	1.3	1.0	0.7	0.2	14.4	47.0	105.8
132°	1.6	1.7	1.7	1.6	1.3	1.0	0.8	0.2	13.9	44.6	99.3
133°	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.3	13.2	42.1	92.3
134°	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.3	12.2	39.2	86.1

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CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.3	11.1	36.7	80.0
136°	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.3	10.3	34.7	74.3
137°	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.3	9.9	33.0	69.2
138°	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.3	9.5	31.5	64.8
139°	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.3	9.2	30.1	61.0
140°	1.6	1.7	1.7	1.6	1.4	1.1	0.9	0.3	8.7	28.8	57.5
141°	1.6	1.7	1.7	1.6	1.4	1.1	0.9	0.4	8.1	27.9	54.3
142°	1.6	1.7	1.7	1.6	1.4	1.2	0.9	0.4	7.6	27.3	51.4
143°	1.6	1.7	1.7	1.6	1.4	1.2	0.9	0.4	7.0	26.8	48.9
144°	1.6	1.6	1.7	1.6	1.4	1.2	0.9	0.4	6.3	26.2	46.8
145°	1.5	1.6	1.6	1.6	1.4	1.2	1.0	0.4	5.6	25.5	45.0
146°	1.5	1.6	1.6	1.6	1.4	1.2	1.0	0.4	4.9	24.5	43.3
147°	1.5	1.6	1.6	1.5	1.4	1.2	1.0	0.5	4.3	23.1	41.6
148°	1.5	1.6	1.6	1.5	1.4	1.2	1.0	0.5	3.8	21.6	40.2
149°	1.5	1.6	1.6	1.5	1.4	1.2	1.1	0.5	3.4	20.4	38.9
150°	1.5	1.5	1.6	1.5	1.4	1.3	1.1	0.5	3.1	19.4	37.2
151°	1.4	1.5	1.5	1.5	1.4	1.3	1.1	0.5	2.7	18.3	35.2
152°	1.4	1.5	1.5	1.5	1.4	1.3	1.1	0.5	2.3	17.2	33.1
153°	1.4	1.4	1.5	1.4	1.4	1.3	1.2	0.6	1.9	16.0	30.9
154°	1.3	1.4	1.4	1.4	1.4	1.3	1.2	0.6	1.4	14.9	28.7
155°	1.3	1.4	1.4	1.4	1.3	1.3	1.2	0.6	1.0	13.9	26.6
156°	1.3	1.3	1.4	1.4	1.3	1.3	1.2	0.6	0.7	12.9	24.6
157°	1.2	1.3	1.3	1.3	1.3	1.3	1.2	0.6	0.7	11.7	22.6
158°	1.2	1.2	1.3	1.3	1.3	1.3	1.2	0.7	0.8	10.6	20.8
159°	1.2	1.2	1.2	1.3	1.3	1.3	1.2	0.7	0.7	9.5	19.0
160°	1.1	1.2	1.2	1.2	1.2	1.3	1.2	0.7	0.6	8.3	17.3
161°	1.1	1.1	1.1	1.2	1.2	1.2	1.2	0.7	0.6	7.2	15.7
162°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	0.7	0.7	5.9	14.0
163°	1.0	1.0	1.0	1.0	1.1	1.1	1.2	0.7	0.7	4.6	12.2
164°	1.0	1.0	1.0	1.0	1.0	1.1	1.2	0.7	0.7	3.5	10.7
165°	1.0	0.9	0.9	0.9	1.0	1.1	1.1	0.8	0.7	2.4	9.2
166°	0.9	0.9	0.9	0.9	0.9	1.0	1.1	0.8	0.7	1.5	7.7
167°	0.9	0.8	0.8	0.8	0.9	1.0	1.1	0.8	0.7	0.8	6.1
168°	0.9	0.8	0.8	0.8	0.8	0.9	1.1	0.8	0.7	0.8	4.6
169°	0.8	0.8	0.7	0.7	0.8	0.9	1.0	0.8	0.8	0.8	3.0
170°	0.8	0.7	0.7	0.7	0.8	0.9	1.0	0.8	0.8	0.7	1.5
171°	0.8	0.7	0.7	0.7	0.7	0.8	1.0	0.8	0.8	0.7	0.8
172°	0.8	0.7	0.7	0.7	0.7	0.8	0.9	0.8	0.8	0.7	0.8
173°	0.8	0.7	0.7	0.6	0.7	0.8	0.9	0.8	0.8	0.7	0.7
174°	0.8	0.7	0.6	0.6	0.7	0.8	0.9	0.8	0.8	0.8	0.7
175°	0.8	0.7	0.6	0.6	0.7	0.8	0.9	0.9	0.8	0.8	0.7
176°	0.8	0.7	0.6	0.6	0.7	0.7	0.8	0.9	0.8	0.8	0.7
177°	0.8	0.7	0.6	0.6	0.6	0.7	0.8	0.9	0.9	0.8	0.7
178°	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.9	0.9	0.8	0.8
179°	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.9	0.9	0.8	0.8



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CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

REPORT NUMBER: P1444951

CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	569.9	569.9	569.9
1°	608.1	614.2	615.7
2°	658.7	679.0	683.4
3°	717.3	747.7	753.5
4°	764.1	780.2	795.4
5°	798.5	845.8	862.8
6°	859.3	906.4	936.0
7°	921.4	968.6	983.3
8°	955.4	1026.7	1055.6
9°	1012.5	1098.8	1135.4
10°	1076.3	1155.8	1171.3
11°	1123.4	1169.7	1204.1
12°	1129.8	1200.8	1231.7
13°	1155.2	1201.0	1194.0
14°	1176.8	1143.1	1161.0
15°	1144.6	1149.3	1146.6
16°	1109.7	1124.2	1157.0
17°	1103.6	1127.9	1172.5
18°	1086.6	1170.3	1209.4
19°	1072.0	1211.1	1253.4
20°	1108.8	1249.7	1308.4
21°	1143.8	1292.2	1347.3
22°	1174.2	1319.3	1382.1
23°	1207.6	1350.2	1395.5
24°	1225.7	1363.5	1424.1
25°	1253.8	1387.3	1452.1
26°	1273.6	1411.4	1483.0
27°	1289.8	1433.3	1488.9
28°	1300.1	1462.5	1517.4
29°	1314.9	1491.0	1548.7
30°	1328.6	1518.4	1563.7
31°	1343.7	1533.8	1569.8
32°	1359.4	1547.2	1588.3
33°	1374.0	1563.4	1609.7
34°	1382.0	1574.8	1627.8
35°	1393.4	1589.8	1645.1
36°	1401.8	1600.5	1658.2
37°	1407.6	1622.6	1702.4
38°	1415.3	1647.4	1726.0
39°	1430.8	1660.1	1731.0
40°	1438.6	1678.9	1769.7
41°	1442.1	1689.4	1741.4
42°	1453.2	1670.3	1737.6
43°	1447.8	1675.3	1761.2
44°	1439.6	1670.9	1698.4

REPORT NUMBER: P1444951

CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1442.4	1639.9	1725.6
46°	1421.0	1673.3	1847.9
47°	1403.4	1762.0	1854.8
48°	1422.5	1757.2	1788.6
49°	1449.9	1706.4	1794.2
50°	1444.3	1708.3	1812.6
51°	1441.4	1715.5	1817.5
52°	1437.7	1720.5	1861.2
53°	1424.0	1748.1	1897.3
54°	1424.3	1771.0	1891.2
55°	1436.1	1768.4	1882.8
56°	1446.5	1768.7	1886.5
57°	1447.1	1772.2	1891.9
58°	1450.2	1766.8	1858.4
59°	1446.2	1736.0	1818.8
60°	1441.4	1709.2	1810.4
61°	1421.6	1704.5	1799.9
62°	1410.0	1689.6	1778.7
63°	1405.8	1661.8	1740.6
64°	1399.8	1627.0	1710.5
65°	1375.3	1607.3	1711.6
66°	1352.7	1617.1	1707.1
67°	1343.8	1583.5	1645.7
68°	1336.0	1556.1	1652.2
69°	1307.9	1539.1	1636.8
70°	1289.3	1536.8	1628.7
71°	1282.0	1483.6	1529.5
72°	1256.2	1418.5	1519.6
73°	1201.0	1417.4	1499.4
74°	1186.4	1394.8	1484.7
75°	1167.4	1372.3	1447.4
76°	1140.8	1348.2	1434.6
77°	1119.6	1316.5	1392.8
78°	1092.3	1292.2	1366.4
79°	1067.2	1268.9	1346.1
80°	1045.0	1217.4	1291.1
81°	1012.3	1208.4	1279.6
82°	988.4	1170.3	1237.5
83°	955.3	1136.7	1208.8
84°	929.8	1102.0	1177.8
85°	902.2	1071.4	1146.9
86°	865.8	1033.6	1098.0
87°	843.3	1009.9	1072.0
88°	813.4	977.3	1039.1
89°	785.2	940.8	1001.7

REPORT NUMBER: P1444951

CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	761.9	911.5	972.0
91°	738.6	886.1	944.6
92°	715.5	858.0	917.1
93°	704.8	833.4	887.1
94°	694.9	820.6	873.8
95°	681.6	808.8	861.5
96°	666.9	792.6	845.3
97°	649.4	777.7	828.2
98°	632.3	758.8	807.7
99°	618.6	742.6	792.0
100°	606.8	730.6	779.9
101°	593.1	715.4	767.5
102°	579.4	702.3	751.7
103°	566.2	687.0	736.2
104°	551.7	673.2	721.9
105°	536.4	657.2	705.1
106°	521.0	640.7	689.8
107°	505.4	623.6	670.8
108°	490.1	606.3	652.8
109°	474.2	588.3	634.8
110°	459.1	571.3	616.2
111°	444.1	553.9	596.8
112°	429.8	536.4	579.0
113°	415.3	519.9	561.4
114°	401.0	503.1	543.4
115°	386.9	486.5	526.6
116°	372.4	470.6	508.6
117°	358.7	454.3	491.3
118°	344.7	438.5	475.0
119°	331.7	423.1	458.2
120°	318.4	406.8	441.9
121°	305.2	392.0	425.8
122°	292.2	376.5	409.6
123°	279.3	362.0	394.2
124°	266.7	347.4	378.2
125°	254.6	332.7	362.2
126°	242.7	318.7	347.1
127°	230.4	304.5	332.1
128°	218.7	291.1	317.8
129°	207.1	277.0	303.0
130°	195.2	263.7	288.8
131°	183.8	250.2	275.0
132°	172.4	237.0	261.0
133°	161.3	223.8	247.6
134°	150.3	210.9	233.8

REPORT NUMBER: P1444951

CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	139.9	198.5	220.7
136°	129.6	186.2	207.8
137°	120.2	173.9	195.2
138°	111.4	161.6	182.6
139°	103.4	149.4	169.9
140°	95.6	137.2	157.3
141°	88.5	125.6	145.1
142°	81.4	114.1	132.8
143°	74.4	103.1	120.7
144°	68.0	92.5	108.4
145°	62.5	83.4	96.5
146°	57.7	74.2	85.5
147°	53.7	66.6	74.6
148°	50.5	60.3	63.7
149°	48.1	55.5	56.9
150°	46.9	53.1	55.4
151°	45.8	53.1	56.4
152°	44.1	52.1	54.9
153°	41.9	49.6	52.2
154°	39.4	46.7	49.2
155°	36.6	43.5	45.9
156°	33.7	40.2	42.8
157°	31.2	37.6	40.1
158°	29.1	35.2	37.6
159°	27.3	33.0	35.2
160°	25.3	30.6	32.8
161°	23.1	28.0	30.0
162°	20.7	25.4	27.0
163°	18.4	22.7	24.4
164°	16.2	20.2	21.8
165°	14.3	17.9	19.3
166°	12.4	15.7	16.9
167°	10.8	13.5	14.7
168°	8.9	11.6	12.6
169°	7.0	9.9	10.8
170°	5.1	7.6	8.5
171°	3.1	5.3	6.1
172°	1.3	3.0	3.8
173°	0.7	1.1	1.6
174°	0.6	0.7	0.7
175°	0.6	0.6	0.6
176°	0.7	0.6	0.6
177°	0.7	0.6	0.6
178°	0.7	0.6	0.6
179°	0.7	0.7	0.6

REPORT NUMBER: P1444951

CATALOG NUMBER: CWP30 (30W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.6	0.6	0.6

(END OF REPORT)