

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: P1444948

Luminaire Tested: CWP30 (24W-3000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444948
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 (24W-3000K)
Description: COMPACT WALL PACK, 30W
SET TO 24W, 3000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3011 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U3 - G3

Input Watts (W): 24.3
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



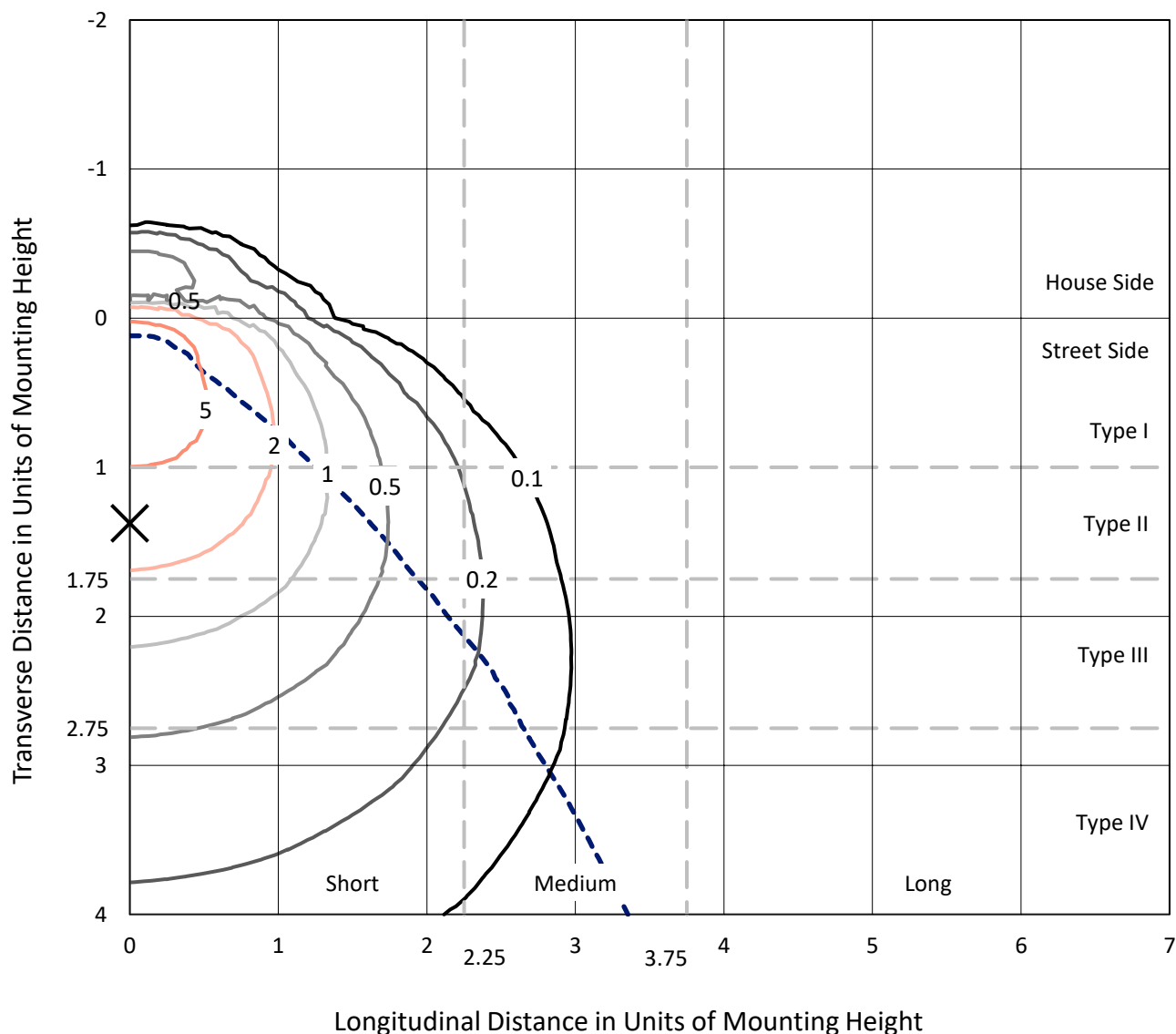
REPORT NUMBER: P1444948

CATALOG NUMBER: CWP30 (24W-3000K)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



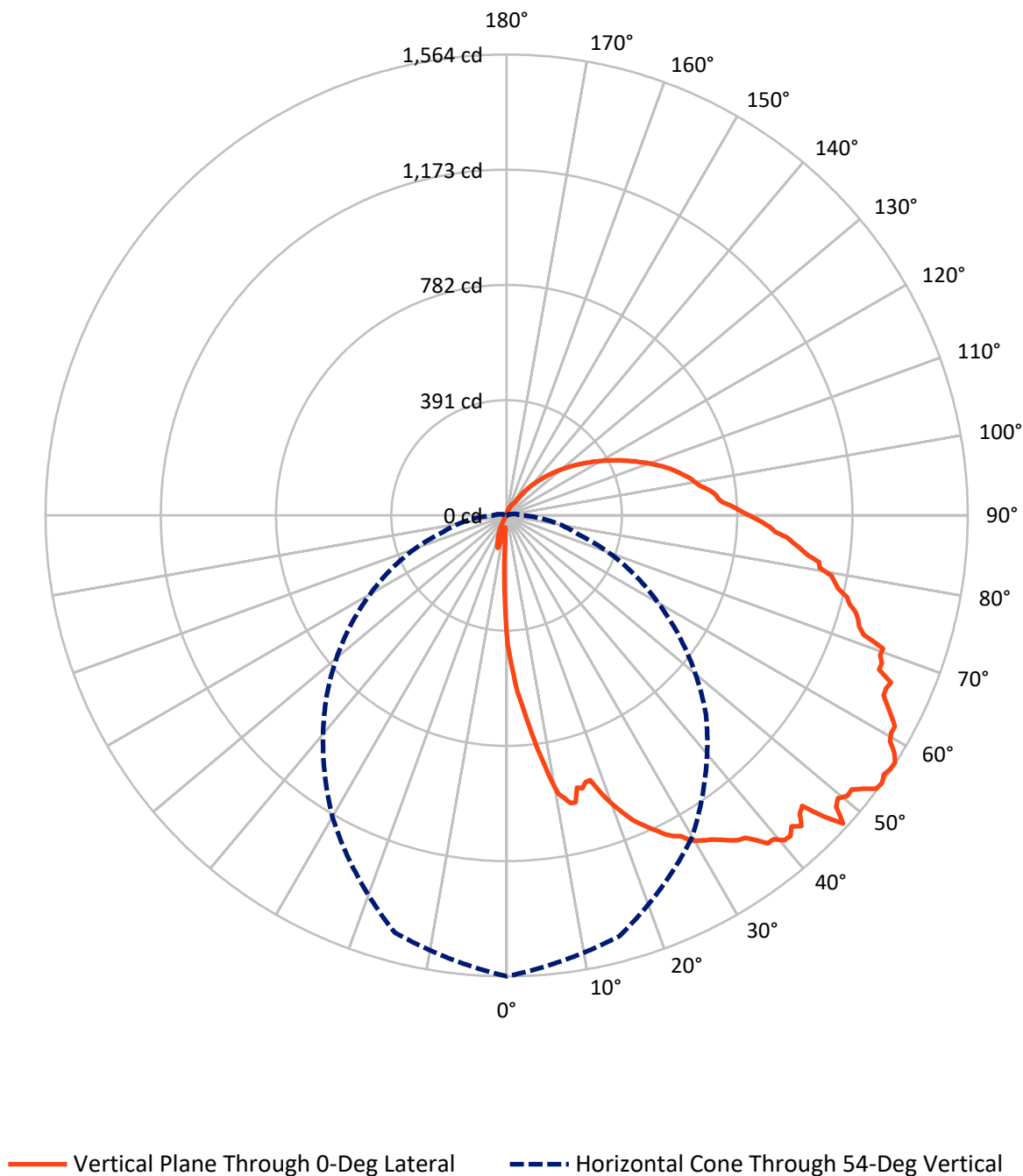
Based on 10 foot mounting height. Maximum calculated value = 8.8 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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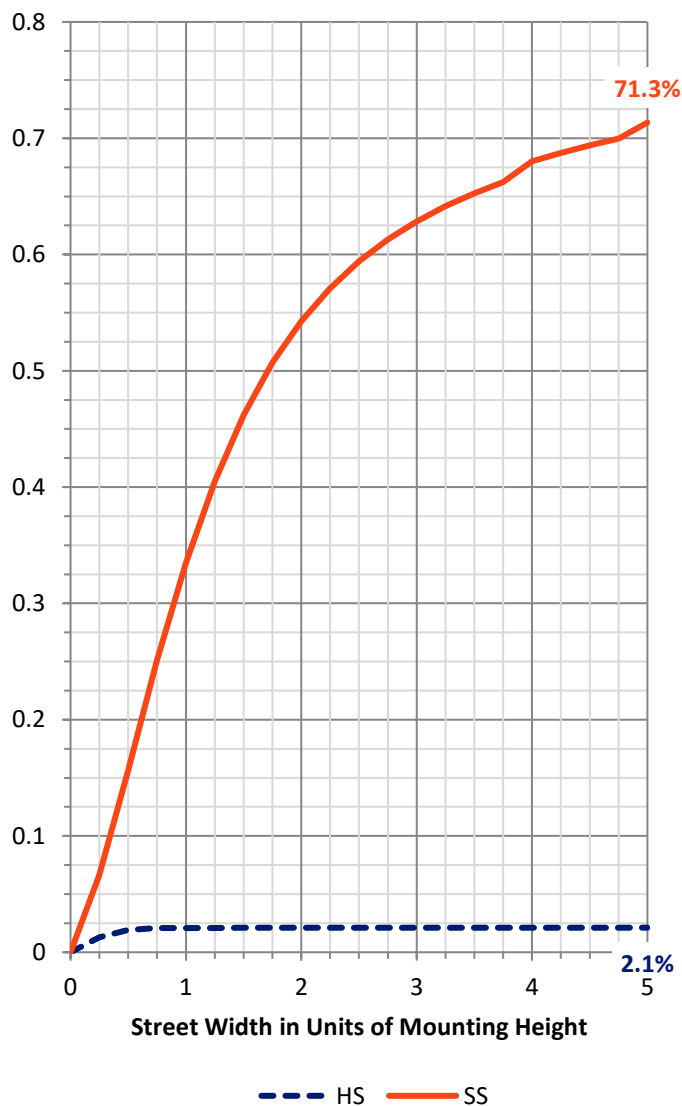
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	64.6	2.9	67.5
	% Fixture	2.1	0.1	2.2
Street Side	Lumens	2359.5	584.0	2943.5
	% Fixture	78.4	19.4	97.8
Total	Lumens	2424.1	586.9	3011.0
	% Fixture	80.5	19.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.8	1.3
10°-20°	124.8	4.1
20°-30°	210.3	7.0
30°-40°	288.4	9.6
40°-50°	347.2	11.5
50°-60°	390.1	13.0
60°-70°	395.0	13.1
70°-80°	352.3	11.7
80°-90°	278.2	9.2
90°-100°	209.3	7.0
100°-110°	157.8	5.2
110°-120°	105.6	3.5
120°-130°	63.0	2.1
130°-140°	32.1	1.1
140°-150°	12.7	0.4
150°-160°	5.0	0.2
160°-170°	1.3	0.0
170°-180°	0.1	0.0
0°-90°	2424.1	80.5
0°-180°	3011.0	100.0

Coefficient of Utilization



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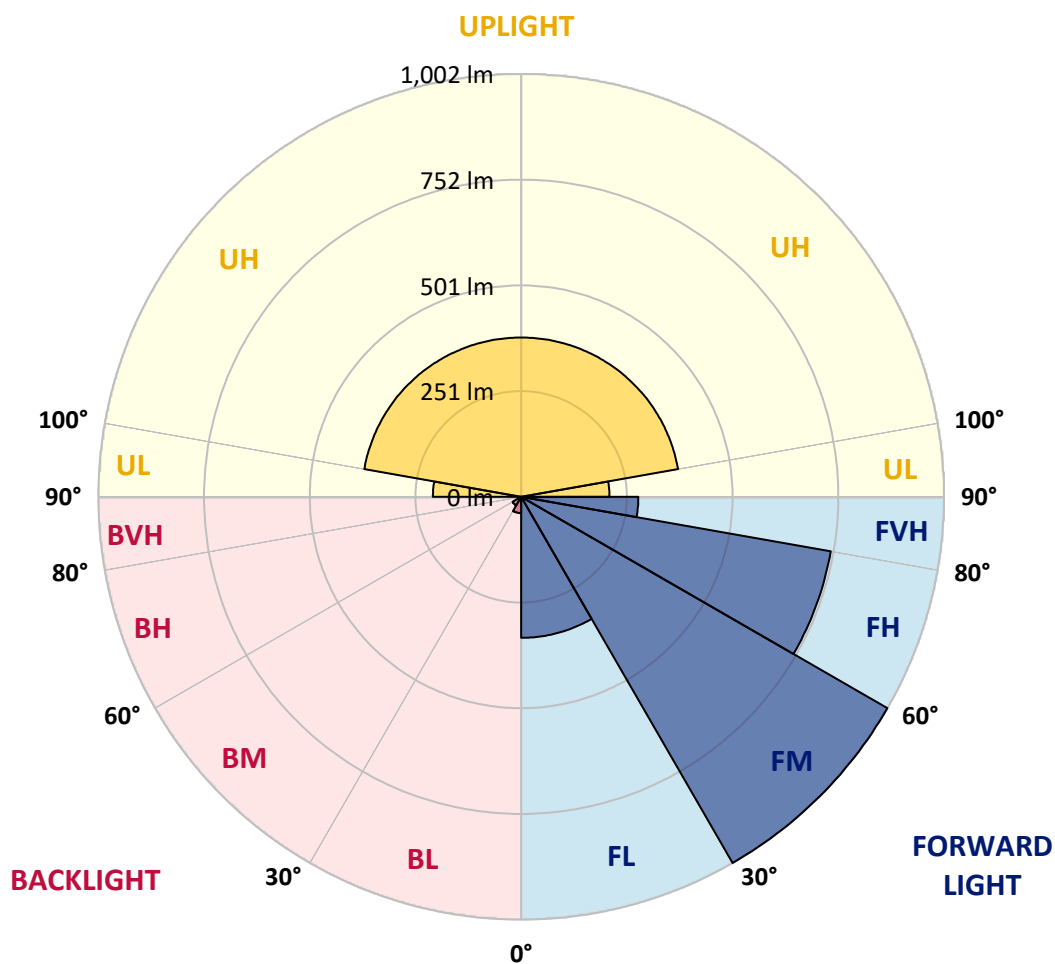
CATALOG NUMBER: CWP30 (24W-3000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	334.2	11.1			
FM	(30°-60°)	1002.3	33.3			
FH	(60°-80°)	745.2	24.7			G1/1800
FVH	(80°-90°)	277.7	9.2			G3/500
BL	(0°-30°)	38.7	1.3	B0/110		
BM	(30°-60°)	23.4	0.8	B0/220		
BH	(60°-80°)	2.0	0.1	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	209.3	7.0		U3/500	
UH	(100°-180°)	377.6	12.5		U3/500	

BUG Rating: B0-U3-G3

Type IV Short



REPORT NUMBER: P1444948

CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1
1°	489.6	489.5	485.6	482.7	475.1	464.7	424.6	400.0	376.4	360.3	349.4
2°	538.3	535.5	526.0	508.6	492.9	473.8	423.9	370.8	327.8	295.7	272.9
3°	599.9	594.3	579.8	543.8	505.8	478.2	419.9	339.6	281.8	233.0	196.5
4°	638.5	631.6	619.5	586.3	532.3	489.9	417.6	317.9	240.4	170.2	120.4
5°	686.3	674.4	646.2	615.5	566.3	497.6	416.2	295.6	198.9	107.8	64.3
6°	739.6	732.4	690.3	645.7	594.3	508.8	415.7	272.6	157.3	64.5	48.3
7°	798.0	787.2	739.7	675.8	616.5	525.2	416.7	247.6	104.6	50.1	42.3
8°	848.2	825.2	792.4	716.4	636.0	541.7	417.3	226.0	71.8	44.8	40.5
9°	906.7	882.6	826.2	763.1	660.1	546.9	406.6	204.4	55.0	41.6	41.4
10°	959.4	937.8	879.1	797.5	676.6	553.7	397.5	182.7	48.8	41.5	43.2
11°	977.7	956.8	932.8	833.3	695.0	562.6	385.6	154.1	45.0	42.9	46.7
12°	999.5	985.8	955.0	867.9	715.6	572.4	380.6	126.5	42.7	44.6	51.4
13°	1000.8	1006.8	977.8	899.7	737.0	580.5	379.7	102.4	41.5	47.4	58.8
14°	954.1	976.0	998.9	922.3	753.2	589.0	375.9	85.1	41.6	51.9	70.5
15°	960.9	951.9	995.6	928.6	776.1	580.8	354.6	68.8	42.6	57.2	84.8
16°	943.2	939.9	951.7	934.5	801.1	565.1	340.8	57.5	44.1	64.2	97.6
17°	941.7	951.0	956.7	950.7	805.5	558.6	322.8	50.9	46.4	71.5	106.9
18°	982.9	959.8	927.8	948.6	813.4	547.4	308.3	46.5	49.9	79.9	111.9
19°	1022.0	987.3	926.5	919.6	821.6	544.7	299.8	43.3	52.9	87.7	110.6
20°	1056.0	1027.4	930.6	896.6	808.9	554.5	294.6	41.0	56.6	93.9	105.0
21°	1087.2	1069.3	954.1	892.6	799.1	562.2	280.9	39.7	60.0	96.0	99.3
22°	1118.6	1090.3	992.9	858.8	801.1	550.4	275.5	38.2	63.8	96.6	93.2
23°	1141.7	1114.1	1018.7	847.3	806.0	552.1	265.8	37.6	67.4	93.9	87.3
24°	1164.3	1136.7	1043.7	846.6	803.5	550.9	258.0	37.3	70.2	91.7	79.3
25°	1185.8	1152.0	1067.3	863.0	778.5	547.7	252.2	38.0	72.2	86.7	72.4
26°	1209.5	1173.8	1090.7	886.0	746.7	548.6	242.2	39.3	73.0	81.4	66.4
27°	1226.9	1192.4	1107.5	906.3	716.1	539.8	236.5	40.8	73.4	75.5	60.1
28°	1238.3	1206.6	1125.1	923.3	710.0	533.7	232.9	42.3	72.2	70.1	54.1
29°	1266.9	1231.2	1135.2	939.3	695.9	531.4	227.1	44.0	69.6	64.8	48.1
30°	1280.5	1254.5	1147.2	953.3	674.6	537.4	218.0	46.1	67.2	59.5	42.7
31°	1292.5	1270.4	1159.1	958.5	661.8	536.2	209.0	48.6	64.6	53.7	36.6
32°	1303.5	1285.9	1172.4	959.9	651.6	527.0	199.9	49.7	61.6	48.2	31.2
33°	1319.8	1300.7	1185.4	958.2	655.0	521.2	191.9	50.9	58.3	43.0	25.7
34°	1337.3	1310.8	1195.6	954.6	658.8	510.9	184.2	51.9	55.1	38.8	22.0
35°	1353.4	1318.0	1205.3	952.3	664.4	497.4	178.1	52.0	51.7	34.4	18.2
36°	1360.6	1332.3	1215.6	953.7	665.5	487.7	169.4	52.1	48.1	30.1	14.5
37°	1388.4	1348.3	1223.3	954.4	666.5	479.9	157.9	51.9	44.5	26.1	11.8
38°	1421.9	1369.2	1231.2	955.5	665.8	469.6	149.2	51.3	40.7	22.7	10.0
39°	1423.2	1382.1	1240.9	952.3	662.9	451.0	143.2	49.9	37.6	19.3	8.5
40°	1449.6	1390.6	1254.0	947.7	659.0	439.8	137.3	48.2	34.5	15.8	7.1
41°	1452.4	1410.1	1253.2	950.2	654.6	435.2	132.2	45.9	31.4	13.4	5.4
42°	1431.1	1404.9	1262.9	953.8	649.9	421.2	125.1	43.6	28.5	10.9	4.2
43°	1452.8	1400.3	1268.2	955.7	646.1	404.8	119.0	41.1	25.6	8.8	3.4
44°	1418.6	1403.2	1265.3	951.9	643.6	388.0	112.4	38.5	23.1	7.3	2.7

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CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1405.3	1378.6	1265.1	953.5	640.3	368.6	106.5	35.9	20.6	5.9	0.4
46°	1485.2	1379.9	1259.3	958.1	637.4	352.5	102.1	33.4	18.1	4.6	0.3
47°	1547.5	1447.1	1243.0	954.9	634.9	336.3	96.7	30.8	15.8	3.1	0.3
48°	1492.4	1478.5	1239.8	956.8	632.3	319.0	88.6	28.5	13.4	2.1	0.3
49°	1477.8	1445.9	1271.3	954.8	627.3	306.8	81.4	26.3	11.3	1.5	0.3
50°	1496.0	1428.1	1279.9	944.7	623.6	292.2	75.5	24.1	9.5	0.8	0.3
51°	1494.9	1435.9	1267.3	944.7	618.7	282.0	69.6	22.3	8.0	0.2	0.3
52°	1522.8	1439.7	1273.9	957.0	611.0	273.0	62.2	20.4	6.6	0.3	0.3
53°	1558.3	1456.4	1268.5	962.8	603.3	263.9	55.4	18.6	5.4	0.3	0.4
54°	1563.7	1477.6	1259.0	956.7	593.3	255.6	49.9	16.8	4.2	0.3	0.4
55°	1552.0	1480.6	1262.7	949.2	585.5	247.9	44.5	15.2	3.1	0.3	0.4
56°	1560.0	1481.4	1275.3	944.8	580.4	239.4	40.8	13.6	2.1	0.3	0.4
57°	1561.9	1484.9	1281.1	941.2	579.4	231.4	36.1	12.2	1.3	0.3	0.4
58°	1542.3	1485.2	1286.8	940.0	565.6	223.2	32.4	10.9	0.8	0.3	0.4
59°	1509.5	1462.2	1283.1	942.8	554.1	215.9	28.8	9.6	0.4	0.3	0.5
60°	1498.3	1434.8	1280.1	938.7	544.5	210.3	26.4	8.5	0.3	0.4	0.5
61°	1498.5	1429.6	1265.9	932.8	534.8	204.8	24.4	7.4	0.2	0.4	0.5
62°	1470.7	1419.5	1256.9	930.2	527.1	199.0	22.3	6.5	0.2	0.4	0.5
63°	1441.8	1405.2	1250.6	928.4	518.2	193.1	20.1	5.6	0.3	0.4	0.6
64°	1416.1	1373.9	1241.1	916.3	508.7	187.2	18.0	4.7	0.3	0.4	0.6
65°	1414.5	1355.7	1226.2	905.5	500.8	181.8	16.6	4.0	0.3	0.4	0.6
66°	1421.3	1355.9	1201.8	896.3	493.3	177.1	15.3	3.2	0.3	0.5	0.6
67°	1366.9	1341.5	1190.0	887.2	482.8	171.6	14.1	2.6	0.3	0.5	0.6
68°	1367.9	1299.1	1188.8	868.8	469.4	167.4	12.9	2.0	0.3	0.5	0.7
69°	1352.2	1294.2	1163.0	858.3	461.1	162.6	11.6	1.5	0.3	0.5	0.7
70°	1353.9	1287.7	1147.0	852.7	450.6	157.2	10.4	1.1	0.3	0.5	0.7
71°	1277.3	1256.8	1133.9	835.2	438.5	151.5	9.2	0.7	0.3	0.5	0.7
72°	1253.6	1190.5	1122.3	823.4	429.2	146.6	8.1	0.5	0.3	0.6	0.8
73°	1243.2	1189.3	1072.0	814.7	420.4	141.5	7.0	0.4	0.3	0.6	0.8
74°	1228.4	1171.9	1054.3	797.2	407.8	136.3	6.0	0.3	0.4	0.6	0.8
75°	1201.8	1154.7	1032.2	769.4	397.7	131.7	5.1	0.3	0.4	0.6	0.8
76°	1187.1	1128.1	1012.9	751.4	385.9	126.6	4.2	0.2	0.4	0.6	0.9
77°	1152.3	1111.4	991.3	738.5	369.9	121.9	3.5	0.2	0.4	0.6	0.9
78°	1135.8	1087.2	966.9	721.8	357.6	115.9	2.9	0.2	0.4	0.7	0.9
79°	1120.4	1064.8	944.9	704.0	346.3	110.7	2.3	0.2	0.4	0.7	0.9
80°	1075.9	1029.6	927.6	685.2	334.6	105.9	1.9	0.2	0.4	0.7	0.9
81°	1071.0	1024.6	891.7	669.0	321.7	100.9	1.5	0.2	0.4	0.7	1.0
82°	1030.4	989.7	878.1	644.9	310.0	96.6	1.2	0.2	0.4	0.7	1.0
83°	1003.9	959.1	846.9	625.6	299.8	92.7	0.9	0.2	0.5	0.7	1.0
84°	977.3	932.4	823.7	604.6	285.7	88.1	0.7	0.2	0.5	0.7	1.0
85°	954.4	909.4	800.9	581.9	275.4	83.5	0.4	0.2	0.5	0.8	1.0
86°	913.1	873.0	766.8	558.6	264.6	80.0	0.3	0.2	0.5	0.8	1.0
87°	892.7	854.1	745.1	540.0	256.3	77.0	0.2	0.2	0.5	0.8	1.1
88°	867.0	831.5	722.6	520.6	248.8	74.7	0.1	0.2	0.5	0.8	1.1
89°	836.8	802.3	695.3	504.8	243.8	73.0	0.1	0.3	0.5	0.8	1.1

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CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	808.2	775.3	675.3	493.4	239.0	71.0	0.1	0.3	0.5	0.8	1.1
91°	785.1	752.8	653.1	480.0	235.2	69.2	0.1	0.3	0.5	0.8	1.1
92°	760.2	727.9	631.6	469.1	230.5	66.9	0.1	0.3	0.5	0.9	1.1
93°	733.9	703.5	619.3	460.9	223.5	63.8	0.1	0.3	0.6	0.9	1.2
94°	720.0	692.4	609.7	450.2	217.4	60.9	0.1	0.3	0.6	0.9	1.2
95°	713.8	686.9	597.0	438.8	210.0	58.0	0.1	0.3	0.6	0.9	1.2
96°	701.8	673.0	583.2	427.1	201.8	55.4	0.1	0.3	0.6	0.9	1.2
97°	684.8	659.0	567.9	413.2	194.9	53.1	0.1	0.3	0.6	0.9	1.2
98°	667.3	641.5	553.4	401.8	189.3	51.0	0.1	0.3	0.6	0.9	1.2
99°	654.4	627.4	541.8	391.1	183.0	49.0	0.1	0.3	0.6	0.9	1.2
100°	644.4	617.2	531.4	380.0	176.6	47.2	0.1	0.3	0.6	0.9	1.2
101°	633.8	606.6	518.1	367.8	170.7	45.4	0.1	0.3	0.6	0.9	1.2
102°	620.2	593.4	505.2	356.5	165.0	43.7	0.1	0.3	0.6	0.9	1.2
103°	607.8	579.8	492.1	344.0	158.2	41.7	0.1	0.3	0.6	1.0	1.3
104°	595.0	567.4	479.2	331.5	151.7	39.7	0.1	0.3	0.6	1.0	1.3
105°	582.6	553.6	465.8	318.6	145.4	38.0	0.1	0.3	0.6	1.0	1.3
106°	568.5	540.7	451.9	306.3	139.2	36.2	0.1	0.3	0.6	1.0	1.3
107°	553.3	526.0	438.1	294.3	133.6	34.6	0.1	0.3	0.6	1.0	1.3
108°	538.5	510.9	423.2	282.2	128.0	33.0	0.1	0.4	0.6	1.0	1.3
109°	523.2	496.8	408.8	270.6	122.8	31.6	0.1	0.4	0.6	1.0	1.2
110°	507.9	480.7	395.3	259.2	117.6	30.3	0.1	0.4	0.6	1.0	1.2
111°	491.6	465.1	381.7	248.1	112.4	29.0	0.2	0.4	0.6	1.0	1.3
112°	477.1	450.2	367.9	236.7	107.3	27.8	0.2	0.4	0.6	1.0	1.2
113°	462.1	435.4	354.8	226.3	102.3	26.5	0.2	0.4	0.6	0.9	1.2
114°	447.5	421.3	342.6	215.9	97.4	25.2	0.2	0.4	0.6	0.9	1.2
115°	432.9	407.1	329.6	206.2	93.0	23.9	0.2	0.4	0.6	0.9	1.2
116°	418.9	393.0	316.8	196.8	88.5	22.8	0.2	0.4	0.6	0.9	1.2
117°	404.1	379.5	304.6	187.8	84.1	21.7	0.2	0.4	0.6	0.9	1.2
118°	390.3	365.7	292.8	179.3	79.6	20.5	0.2	0.4	0.6	0.9	1.2
119°	376.4	352.4	281.1	170.7	75.9	19.2	0.2	0.4	0.6	0.9	1.2
120°	362.2	339.1	269.4	162.0	72.1	17.8	0.2	0.4	0.6	0.9	1.2
121°	349.4	326.4	257.8	153.8	68.6	16.6	0.2	0.4	0.6	0.9	1.1
122°	335.6	313.6	246.9	145.9	65.2	15.8	0.2	0.4	0.6	0.9	1.1
123°	323.2	301.2	235.5	138.7	61.7	15.2	0.2	0.4	0.6	0.9	1.1
124°	309.9	288.7	225.2	131.8	58.2	14.8	0.2	0.4	0.6	0.9	1.1
125°	297.5	276.7	214.7	125.2	54.9	14.2	0.2	0.4	0.6	0.9	1.1
126°	284.7	264.3	204.2	119.2	51.8	13.7	0.2	0.4	0.6	0.9	1.1
127°	272.3	252.4	193.7	113.1	49.0	13.2	0.2	0.4	0.6	0.9	1.1
128°	260.3	241.2	184.1	107.3	46.7	12.8	0.2	0.4	0.7	0.9	1.1
129°	248.3	229.7	174.0	101.4	44.7	12.6	0.2	0.4	0.7	0.9	1.1
130°	236.4	218.0	164.1	95.9	42.9	12.5	0.2	0.4	0.7	0.9	1.1
131°	225.4	206.9	154.6	90.5	41.1	12.5	0.3	0.4	0.7	0.9	1.1
132°	213.7	196.0	145.0	85.1	39.4	12.3	0.3	0.4	0.7	0.9	1.2
133°	202.4	185.3	135.7	79.6	37.3	11.8	0.3	0.5	0.7	0.9	1.2
134°	191.8	174.5	126.7	74.4	35.0	11.1	0.3	0.5	0.7	0.9	1.2

REPORT NUMBER: P1444948

CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	180.8	164.3	118.0	69.4	32.7	10.1	0.3	0.5	0.7	0.9	1.2
136°	170.1	153.8	109.8	64.6	30.8	9.4	0.3	0.5	0.7	0.9	1.2
137°	159.5	143.9	102.0	60.3	29.3	8.8	0.3	0.5	0.7	1.0	1.2
138°	149.1	133.8	94.7	56.6	28.0	8.5	0.3	0.5	0.7	1.0	1.2
139°	139.1	123.7	88.2	53.3	26.7	8.2	0.4	0.5	0.7	1.0	1.2
140°	129.0	113.9	81.7	50.3	25.7	7.8	0.4	0.5	0.7	1.0	1.2
141°	118.7	104.3	75.1	47.4	24.9	7.4	0.4	0.6	0.8	1.0	1.2
142°	108.8	94.4	69.2	44.7	24.2	6.9	0.4	0.6	0.8	1.0	1.2
143°	98.9	85.9	63.6	42.5	23.7	6.5	0.4	0.6	0.8	1.0	1.2
144°	89.1	77.5	58.3	40.7	23.2	6.0	0.4	0.6	0.8	1.0	1.1
145°	79.2	69.1	53.5	39.0	22.6	5.5	0.5	0.6	0.8	1.0	1.1
146°	69.3	62.0	49.3	37.4	21.8	5.1	0.5	0.6	0.8	1.0	1.1
147°	60.3	55.6	45.8	35.9	20.6	4.7	0.5	0.6	0.8	1.0	1.1
148°	52.2	50.2	42.8	34.7	19.3	4.2	0.5	0.7	0.8	1.0	1.1
149°	46.5	46.1	40.4	33.6	18.1	3.7	0.5	0.7	0.8	1.0	1.1
150°	45.2	43.5	39.1	32.1	17.2	3.4	0.6	0.7	0.8	1.0	1.1
151°	46.1	43.6	38.2	30.2	16.2	3.2	0.6	0.7	0.8	1.0	1.1
152°	44.7	42.8	36.7	28.4	15.2	2.8	0.6	0.7	0.8	0.9	1.1
153°	42.5	40.8	34.8	26.5	14.2	2.5	0.6	0.7	0.8	0.9	1.0
154°	40.1	38.3	32.8	24.7	13.2	2.1	0.6	0.7	0.8	0.9	1.0
155°	37.4	35.7	30.5	22.8	12.3	1.6	0.6	0.7	0.8	0.9	1.0
156°	34.8	33.0	28.1	21.0	11.4	1.2	0.7	0.7	0.8	0.9	1.0
157°	32.5	30.7	26.0	19.4	10.4	0.9	0.7	0.7	0.8	0.9	1.0
158°	30.5	28.8	24.1	17.7	9.5	0.7	0.7	0.7	0.8	0.9	0.9
159°	28.5	27.0	22.5	16.1	8.7	0.6	0.7	0.7	0.8	0.9	0.9
160°	26.5	25.1	20.9	14.7	7.8	0.6	0.7	0.8	0.8	0.9	0.9
161°	24.3	23.0	19.2	13.3	7.0	0.6	0.7	0.8	0.8	0.9	0.9
162°	22.0	20.9	17.3	11.9	6.1	0.6	0.7	0.8	0.8	0.8	0.9
163°	19.8	18.8	15.4	10.6	5.1	0.6	0.7	0.8	0.8	0.8	0.8
164°	17.7	16.7	13.6	9.4	4.1	0.7	0.8	0.8	0.8	0.8	0.8
165°	15.6	14.7	12.0	8.3	3.1	0.7	0.8	0.8	0.8	0.8	0.8
166°	13.8	12.9	10.4	7.2	2.2	0.7	0.8	0.8	0.8	0.8	0.8
167°	11.9	11.2	9.2	6.1	1.4	0.7	0.8	0.8	0.8	0.8	0.8
168°	10.2	9.7	8.0	4.9	0.8	0.7	0.8	0.8	0.8	0.8	0.7
169°	8.7	8.3	6.7	3.6	0.7	0.7	0.8	0.8	0.8	0.8	0.7
170°	7.3	6.8	5.2	2.3	0.6	0.7	0.8	0.8	0.8	0.8	0.7
171°	5.6	5.1	3.5	1.1	0.6	0.7	0.8	0.8	0.8	0.8	0.7
172°	3.6	3.2	1.8	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7
173°	1.7	1.4	0.7	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.7
174°	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7
175°	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7
176°	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7
177°	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7
178°	0.5	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.8	0.7	0.7
179°	0.5	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.7	0.7	0.7



REPORT NUMBER: P1444948
CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

REPORT NUMBER: P1444948

CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1	439.1
1°	345.9	346.9	353.5	365.7	384.7	406.9	427.5	422.2	444.0	461.7	474.9
2°	260.5	259.7	268.6	291.4	316.3	355.2	405.7	422.1	459.7	479.6	496.2
3°	175.1	172.5	183.7	217.0	257.0	309.5	377.9	419.1	468.6	494.9	533.0
4°	90.8	85.3	99.4	142.8	197.6	266.3	348.4	415.6	470.3	519.5	575.1
5°	54.1	52.5	55.5	72.8	138.3	225.3	324.6	414.7	478.7	544.8	606.1
6°	44.2	43.7	44.8	50.5	79.0	184.3	302.7	413.2	490.0	578.0	627.4
7°	40.5	40.6	40.7	43.4	53.8	143.2	278.7	413.4	508.1	602.0	658.7
8°	40.9	41.4	40.5	40.4	45.7	98.2	252.2	399.6	512.8	618.9	696.2
9°	42.7	43.5	41.8	40.3	42.0	69.0	229.2	389.5	511.7	620.3	740.0
10°	45.8	47.2	45.2	41.8	39.9	53.8	206.2	377.8	512.8	638.0	771.4
11°	50.5	51.5	49.7	44.4	40.2	46.7	183.2	371.5	517.8	647.1	789.0
12°	57.6	58.6	56.1	48.5	41.1	42.4	164.0	363.4	521.3	661.2	818.9
13°	69.3	75.6	67.7	54.3	42.5	39.5	142.0	358.0	523.7	678.0	842.8
14°	89.8	95.4	85.4	62.6	45.3	37.9	120.8	351.9	530.4	687.6	858.0
15°	105.7	112.6	100.7	73.8	49.4	37.2	98.3	337.7	517.5	692.6	854.8
16°	114.6	114.2	111.8	85.5	53.8	37.7	79.5	321.5	501.0	722.0	864.4
17°	112.0	111.2	110.9	93.6	59.8	38.7	64.7	308.6	493.1	727.0	872.1
18°	110.6	106.5	107.4	99.7	66.3	40.2	54.0	297.9	491.6	733.1	862.8
19°	105.8	99.0	104.0	101.2	71.7	41.9	46.3	291.1	487.6	732.5	825.6
20°	97.0	91.6	96.5	97.7	76.4	44.9	41.9	285.5	491.3	716.0	821.4
21°	89.3	83.2	86.6	92.8	79.0	48.0	38.6	280.2	498.6	711.1	803.5
22°	82.9	75.2	80.5	86.6	80.6	51.4	36.0	272.0	500.5	710.3	790.4
23°	75.5	69.2	73.2	81.2	79.1	54.6	33.9	266.4	496.7	706.1	776.5
24°	68.3	63.9	65.3	74.4	78.0	57.5	32.6	260.0	491.5	703.9	791.9
25°	63.5	57.2	60.6	67.8	74.9	59.2	32.1	252.6	490.0	674.0	802.7
26°	57.9	52.0	55.5	61.6	72.2	60.3	31.7	250.6	481.5	642.0	817.2
27°	51.9	47.5	49.2	55.5	68.1	60.6	31.9	243.1	482.2	633.0	832.3
28°	46.2	40.4	44.1	50.6	63.2	60.3	32.0	235.1	483.9	624.4	844.9
29°	40.4	34.3	38.6	44.5	58.0	59.7	32.7	227.7	478.7	608.6	858.9
30°	34.0	28.0	31.4	38.7	53.0	58.0	33.5	221.6	473.6	598.1	868.4
31°	25.8	21.6	26.2	34.2	48.7	56.2	34.6	214.0	466.5	589.6	872.8
32°	21.7	15.3	21.0	29.3	44.1	53.7	35.7	205.9	464.8	592.5	871.7
33°	17.6	14.2	15.9	25.2	39.7	50.9	36.8	194.6	455.5	593.0	867.8
34°	13.5	12.8	13.5	21.0	35.4	47.7	37.4	186.2	437.1	597.8	865.3
35°	11.3	11.4	11.3	17.0	31.1	45.1	37.6	178.2	422.9	597.8	866.7
36°	10.0	10.3	9.6	14.4	27.5	41.9	37.8	170.8	414.7	598.5	868.8
37°	9.1	7.6	8.8	11.8	24.1	38.9	37.5	159.6	406.2	598.6	870.9
38°	7.0	6.8	6.9	9.7	20.9	35.7	37.1	148.7	395.8	598.3	867.8
39°	6.0	6.0	5.9	7.8	17.8	32.6	35.9	141.7	383.0	592.9	864.8
40°	5.3	5.1	5.0	6.6	14.6	29.7	34.6	136.7	364.5	587.0	866.6
41°	4.4	0.9	4.4	5.3	12.3	26.9	33.0	131.0	349.4	581.7	867.4
42°	0.5	0.3	1.0	4.0	10.4	24.2	31.6	125.3	336.9	577.8	871.0
43°	0.3	0.3	0.3	3.0	8.6	22.0	30.3	119.2	329.0	574.8	872.2
44°	0.3	0.3	0.3	2.5	6.9	19.7	28.6	113.7	319.8	573.1	869.6

REPORT NUMBER: P1444948

CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.3	0.3	0.3	1.1	5.6	17.5	27.1	105.9	307.2	570.4	873.0
46°	0.3	0.3	0.3	0.3	4.5	15.5	25.3	98.1	298.4	567.7	872.2
47°	0.3	0.4	0.3	0.3	3.4	13.7	23.8	91.1	286.7	566.2	869.6
48°	0.3	0.4	0.4	0.3	2.2	12.0	22.2	83.3	275.5	563.0	868.4
49°	0.4	0.4	0.4	0.3	1.5	10.3	20.5	75.6	267.2	561.2	859.8
50°	0.4	0.4	0.4	0.3	1.0	8.8	18.8	68.8	258.2	558.0	854.8
51°	0.4	0.4	0.4	0.4	0.4	7.4	17.1	62.0	250.4	553.6	864.1
52°	0.4	0.4	0.4	0.4	0.3	6.2	15.6	56.9	242.9	550.4	869.2
53°	0.4	0.5	0.5	0.4	0.3	5.2	14.1	50.2	235.7	541.5	867.3
54°	0.5	0.5	0.5	0.4	0.3	4.1	12.6	44.7	227.7	534.6	862.1
55°	0.5	0.5	0.5	0.4	0.3	3.2	11.2	40.6	220.2	533.0	859.6
56°	0.5	0.5	0.5	0.4	0.3	2.4	9.9	37.9	213.6	532.0	855.6
57°	0.5	0.6	0.5	0.5	0.4	1.7	8.7	34.8	207.7	523.9	853.1
58°	0.5	0.6	0.6	0.5	0.4	1.1	7.6	31.9	200.8	514.3	855.1
59°	0.6	0.6	0.6	0.5	0.4	0.7	6.7	30.2	196.3	506.0	857.8
60°	0.6	0.6	0.6	0.5	0.4	0.4	5.9	28.8	192.0	497.2	849.0
61°	0.6	0.7	0.6	0.6	0.4	0.3	5.2	27.6	186.6	488.3	845.9
62°	0.6	0.7	0.7	0.6	0.4	0.3	4.6	26.5	181.1	481.5	848.0
63°	0.7	0.7	0.7	0.6	0.5	0.3	4.1	25.3	176.3	472.7	841.0
64°	0.7	0.7	0.7	0.6	0.5	0.3	3.6	24.0	171.6	464.8	828.2
65°	0.7	0.8	0.7	0.6	0.5	0.3	3.2	22.9	167.0	456.5	819.6
66°	0.7	0.8	0.8	0.7	0.5	0.3	2.7	21.6	162.6	448.8	811.8
67°	0.8	0.8	0.8	0.7	0.5	0.3	2.3	20.4	158.1	438.5	801.2
68°	0.8	0.9	0.8	0.7	0.5	0.3	1.9	19.2	154.1	429.7	786.2
69°	0.8	0.9	0.9	0.7	0.6	0.3	1.5	18.0	149.0	421.2	783.8
70°	0.9	0.9	0.9	0.8	0.6	0.4	1.2	16.7	144.2	411.5	777.0
71°	0.9	0.9	0.9	0.8	0.6	0.4	0.9	15.6	139.5	400.8	763.1
72°	0.9	1.0	0.9	0.8	0.6	0.4	0.6	14.4	134.5	392.9	754.8
73°	0.9	1.0	1.0	0.8	0.6	0.4	0.4	13.3	129.5	383.0	744.4
74°	1.0	1.0	1.0	0.9	0.6	0.4	0.3	12.2	125.3	374.3	718.3
75°	1.0	1.0	1.0	0.9	0.7	0.4	0.3	11.1	120.3	364.0	700.6
76°	1.0	1.1	1.0	0.9	0.7	0.4	0.3	10.0	116.0	349.0	687.6
77°	1.0	1.1	1.1	0.9	0.7	0.4	0.2	9.0	110.6	336.9	675.2
78°	1.1	1.1	1.1	0.9	0.7	0.4	0.2	7.9	105.2	327.9	660.1
79°	1.1	1.2	1.1	1.0	0.7	0.4	0.2	7.0	100.8	315.7	644.2
80°	1.1	1.2	1.1	1.0	0.7	0.5	0.2	6.0	96.5	305.4	630.6
81°	1.1	1.2	1.2	1.0	0.7	0.5	0.2	5.1	93.7	294.0	607.5
82°	1.1	1.2	1.2	1.0	0.8	0.5	0.2	4.2	88.7	284.2	593.5
83°	1.2	1.2	1.2	1.0	0.8	0.5	0.2	3.4	83.5	272.1	571.7
84°	1.2	1.3	1.2	1.0	0.8	0.5	0.2	2.6	79.5	261.8	553.3
85°	1.2	1.3	1.2	1.1	0.8	0.5	0.3	1.8	76.2	251.5	534.7
86°	1.2	1.3	1.2	1.1	0.8	0.5	0.3	1.2	73.5	243.1	515.7
87°	1.2	1.3	1.3	1.1	0.8	0.5	0.3	0.7	71.0	234.9	498.6
88°	1.3	1.3	1.3	1.1	0.8	0.5	0.3	0.4	69.5	229.4	481.4
89°	1.3	1.4	1.3	1.1	0.8	0.5	0.3	0.3	67.9	225.3	469.2

REPORT NUMBER: P1444948

CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	1.3	1.4	1.3	1.2	0.9	0.5	0.3	0.2	66.4	221.3	456.6
91°	1.3	1.4	1.4	1.2	0.9	0.6	0.3	0.1	64.8	217.8	444.6
92°	1.3	1.4	1.4	1.2	0.9	0.6	0.3	0.1	62.0	212.7	437.1
93°	1.4	1.4	1.4	1.2	0.9	0.6	0.3	0.1	59.5	207.2	429.2
94°	1.4	1.5	1.4	1.2	0.9	0.6	0.3	0.1	57.1	201.1	419.2
95°	1.4	1.5	1.4	1.2	0.9	0.6	0.3	0.1	54.7	194.1	409.0
96°	1.4	1.5	1.4	1.2	0.9	0.6	0.3	0.1	52.5	187.3	397.4
97°	1.4	1.5	1.5	1.2	0.9	0.6	0.3	0.1	50.6	182.2	385.2
98°	1.4	1.5	1.5	1.3	0.9	0.6	0.3	0.1	48.9	176.9	376.2
99°	1.4	1.5	1.5	1.3	1.0	0.6	0.3	0.1	47.1	171.7	367.0
100°	1.4	1.5	1.5	1.3	1.0	0.6	0.4	0.1	45.5	166.5	357.0
101°	1.5	1.6	1.5	1.3	1.0	0.6	0.4	0.1	44.0	161.7	346.8
102°	1.5	1.6	1.5	1.3	1.0	0.6	0.4	0.1	42.2	155.7	335.4
103°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	40.3	150.0	324.8
104°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	38.6	144.1	313.3
105°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	36.9	138.7	302.3
106°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	35.2	133.0	291.4
107°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	33.8	128.0	280.5
108°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	32.4	123.0	269.8
109°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	31.1	118.2	259.5
110°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	29.8	113.5	248.8
111°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	28.5	108.6	238.7
112°	1.4	1.6	1.5	1.3	1.0	0.7	0.4	0.1	27.2	103.8	228.6
113°	1.4	1.5	1.5	1.3	1.0	0.7	0.4	0.1	25.9	99.0	218.6
114°	1.4	1.5	1.5	1.3	1.0	0.7	0.4	0.1	24.7	94.6	208.7
115°	1.4	1.5	1.4	1.3	1.0	0.7	0.4	0.1	23.6	90.2	199.6
116°	1.4	1.5	1.4	1.3	1.0	0.7	0.4	0.1	22.4	85.8	190.9
117°	1.4	1.5	1.4	1.2	1.0	0.7	0.4	0.1	21.3	81.4	182.3
118°	1.4	1.5	1.4	1.2	1.0	0.7	0.4	0.1	20.1	77.7	174.1
119°	1.3	1.4	1.4	1.2	1.0	0.7	0.5	0.1	18.9	73.7	165.9
120°	1.3	1.4	1.4	1.2	1.0	0.7	0.5	0.1	17.7	70.0	157.3
121°	1.3	1.4	1.4	1.2	1.0	0.7	0.5	0.1	16.6	66.4	149.4
122°	1.3	1.4	1.4	1.2	1.0	0.7	0.5	0.1	15.9	62.8	142.2
123°	1.3	1.4	1.4	1.2	1.0	0.7	0.5	0.1	15.4	59.2	135.0
124°	1.3	1.4	1.4	1.3	1.0	0.8	0.5	0.1	14.8	55.9	128.6
125°	1.3	1.4	1.4	1.3	1.0	0.8	0.5	0.2	14.2	52.8	122.2
126°	1.3	1.4	1.4	1.3	1.0	0.8	0.5	0.2	13.7	50.1	116.2
127°	1.3	1.4	1.4	1.3	1.0	0.8	0.5	0.2	13.2	47.6	110.2
128°	1.3	1.4	1.4	1.3	1.1	0.8	0.6	0.2	13.0	45.3	104.5
129°	1.3	1.4	1.4	1.3	1.1	0.8	0.6	0.2	12.8	43.4	99.2
130°	1.3	1.4	1.4	1.3	1.1	0.8	0.6	0.2	12.7	41.4	93.7
131°	1.3	1.4	1.4	1.3	1.1	0.8	0.6	0.2	12.6	39.4	88.2
132°	1.3	1.4	1.4	1.3	1.1	0.9	0.6	0.2	12.0	37.3	82.6
133°	1.3	1.4	1.4	1.3	1.1	0.9	0.6	0.2	11.2	35.1	77.1
134°	1.3	1.4	1.4	1.3	1.1	0.9	0.6	0.2	10.3	32.7	71.7

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CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	1.3	1.4	1.4	1.3	1.1	0.9	0.7	0.2	9.6	30.8	66.5
136°	1.3	1.4	1.4	1.3	1.1	0.9	0.7	0.2	8.9	29.2	61.8
137°	1.3	1.4	1.4	1.3	1.1	0.9	0.7	0.2	8.7	27.8	57.7
138°	1.3	1.4	1.4	1.3	1.1	0.9	0.7	0.3	8.4	26.4	54.3
139°	1.3	1.4	1.4	1.3	1.1	0.9	0.7	0.3	8.1	25.3	51.2
140°	1.3	1.4	1.4	1.3	1.1	0.9	0.7	0.3	7.6	24.3	48.1
141°	1.3	1.4	1.4	1.3	1.1	0.9	0.7	0.3	7.2	23.6	45.3
142°	1.3	1.4	1.4	1.3	1.1	0.9	0.7	0.3	6.7	23.1	42.8
143°	1.3	1.4	1.4	1.3	1.1	1.0	0.8	0.3	6.2	22.7	40.7
144°	1.3	1.4	1.4	1.3	1.1	1.0	0.8	0.3	5.8	22.2	38.9
145°	1.3	1.3	1.4	1.3	1.1	1.0	0.8	0.3	5.3	21.5	37.4
146°	1.3	1.3	1.3	1.3	1.1	1.0	0.8	0.4	4.9	20.6	35.7
147°	1.2	1.3	1.3	1.3	1.2	1.0	0.8	0.4	4.4	19.4	34.4
148°	1.2	1.3	1.3	1.3	1.2	1.0	0.9	0.4	4.0	18.2	33.3
149°	1.2	1.3	1.3	1.2	1.1	1.0	0.9	0.4	3.5	17.3	32.3
150°	1.2	1.3	1.3	1.2	1.1	1.0	0.9	0.4	3.2	16.4	30.8
151°	1.2	1.2	1.2	1.2	1.1	1.0	0.9	0.4	2.9	15.5	28.9
152°	1.1	1.2	1.2	1.2	1.1	1.0	0.9	0.4	2.6	14.5	27.2
153°	1.1	1.2	1.2	1.2	1.1	1.0	0.9	0.5	2.2	13.5	25.4
154°	1.1	1.1	1.2	1.1	1.1	1.0	1.0	0.5	1.8	12.6	23.5
155°	1.1	1.1	1.1	1.1	1.1	1.0	1.0	0.5	1.3	11.7	21.8
156°	1.0	1.1	1.1	1.1	1.1	1.0	1.0	0.5	0.9	10.8	20.1
157°	1.0	1.0	1.1	1.1	1.1	1.0	1.0	0.5	0.6	9.9	18.5
158°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	9.0	17.1
159°	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.5	8.0	15.7
160°	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.6	0.5	7.3	14.4
161°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	0.6	0.5	6.5	12.9
162°	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.6	0.5	5.5	11.5
163°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.6	0.6	4.5	10.1
164°	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.6	0.6	3.5	9.0
165°	0.8	0.7	0.7	0.7	0.8	0.8	0.9	0.6	0.6	2.6	7.8
166°	0.7	0.7	0.7	0.7	0.7	0.8	0.9	0.6	0.6	1.7	6.9
167°	0.7	0.7	0.7	0.7	0.7	0.8	0.9	0.7	0.6	0.9	5.7
168°	0.7	0.6	0.6	0.6	0.7	0.7	0.8	0.7	0.6	0.6	4.4
169°	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.6	0.6	3.0
170°	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.6	0.6	1.7
171°	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.6	0.6	0.7
172°	0.7	0.6	0.6	0.5	0.6	0.7	0.8	0.7	0.7	0.6	0.5
173°	0.6	0.6	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.6
174°	0.6	0.6	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.6
175°	0.6	0.6	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.6	0.6
176°	0.6	0.6	0.5	0.5	0.5	0.6	0.7	0.7	0.7	0.7	0.6
177°	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.6
178°	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.8	0.7	0.7	0.6
179°	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.8	0.7	0.7	0.6



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CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

REPORT NUMBER: P1444948

CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	439.1	439.1	439.1
1°	482.8	487.8	489.6
2°	515.6	530.3	538.3
3°	565.0	585.9	599.9
4°	611.1	628.9	638.5
5°	639.8	666.3	686.3
6°	684.0	721.2	739.6
7°	723.4	781.7	798.0
8°	772.5	815.2	848.2
9°	809.6	875.3	906.7
10°	858.2	929.2	959.4
11°	908.0	953.4	977.7
12°	925.4	979.3	999.5
13°	945.3	994.2	1000.8
14°	961.5	952.9	954.1
15°	958.8	937.1	960.9
16°	906.7	926.3	943.2
17°	910.5	939.8	941.7
18°	883.7	947.1	982.9
19°	882.7	976.8	1022.0
20°	898.8	1014.0	1056.0
21°	925.0	1055.6	1087.2
22°	954.7	1070.6	1118.6
23°	983.4	1096.4	1141.7
24°	1000.6	1114.0	1164.3
25°	1023.7	1132.6	1185.8
26°	1041.8	1159.3	1209.5
27°	1054.6	1180.0	1226.9
28°	1064.6	1200.8	1238.3
29°	1076.3	1224.0	1266.9
30°	1088.5	1246.1	1280.5
31°	1101.4	1260.5	1292.5
32°	1114.5	1269.4	1303.5
33°	1128.1	1281.5	1319.8
34°	1134.1	1292.2	1337.3
35°	1143.3	1302.4	1353.4
36°	1151.1	1313.5	1360.6
37°	1153.7	1327.0	1388.4
38°	1161.5	1351.8	1421.9
39°	1173.4	1364.8	1423.2
40°	1180.5	1376.7	1449.6
41°	1185.9	1391.5	1452.4
42°	1196.6	1381.3	1431.1
43°	1193.1	1383.4	1452.8
44°	1188.5	1381.2	1418.6

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CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1187.3	1354.1	1405.3
46°	1171.0	1369.5	1485.2
47°	1158.6	1442.5	1547.5
48°	1174.6	1460.7	1492.4
49°	1196.2	1417.1	1477.8
50°	1196.0	1412.2	1496.0
51°	1196.5	1419.2	1494.9
52°	1191.5	1421.6	1522.8
53°	1180.3	1443.0	1558.3
54°	1181.2	1465.3	1563.7
55°	1191.6	1463.6	1552.0
56°	1199.4	1464.1	1560.0
57°	1200.5	1471.3	1561.9
58°	1202.3	1465.3	1542.3
59°	1199.9	1440.6	1509.5
60°	1195.6	1415.2	1498.3
61°	1177.9	1414.7	1498.5
62°	1168.0	1402.9	1470.7
63°	1166.2	1378.4	1441.8
64°	1160.1	1347.7	1416.1
65°	1140.4	1331.5	1414.5
66°	1122.1	1339.4	1421.3
67°	1114.7	1313.5	1366.9
68°	1104.4	1283.3	1367.9
69°	1083.6	1274.8	1352.2
70°	1069.8	1269.4	1353.9
71°	1063.8	1228.4	1277.3
72°	1035.0	1173.2	1253.6
73°	993.2	1173.8	1243.2
74°	983.1	1154.5	1228.4
75°	969.0	1134.7	1201.8
76°	944.5	1114.2	1187.1
77°	926.6	1090.0	1152.3
78°	905.4	1070.1	1135.8
79°	885.9	1053.5	1120.4
80°	860.6	1013.5	1075.9
81°	843.3	1004.8	1071.0
82°	819.6	968.1	1030.4
83°	793.4	940.2	1003.9
84°	769.2	914.4	977.3
85°	746.2	889.6	954.4
86°	719.7	858.7	913.1
87°	698.7	840.7	892.7
88°	673.7	813.9	867.0
89°	651.2	784.6	836.8

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CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	633.6	759.6	808.2
91°	612.7	735.9	785.1
92°	593.7	710.4	760.2
93°	584.2	689.4	733.9
94°	575.7	678.3	720.0
95°	564.1	670.3	713.8
96°	551.7	657.3	701.8
97°	536.7	644.1	684.8
98°	524.2	627.8	667.3
99°	513.7	613.8	654.4
100°	501.8	605.0	644.4
101°	491.6	592.9	633.8
102°	480.6	581.2	620.2
103°	469.4	568.6	607.8
104°	457.5	556.2	595.0
105°	444.9	543.6	582.6
106°	432.3	530.5	568.5
107°	419.3	515.9	553.3
108°	406.3	501.6	538.5
109°	393.1	487.4	523.2
110°	380.8	472.4	507.9
111°	368.1	457.5	491.6
112°	356.1	443.1	477.1
113°	344.3	429.2	462.1
114°	331.9	415.0	447.5
115°	319.8	401.6	432.9
116°	308.4	388.3	418.9
117°	296.6	375.0	404.1
118°	285.8	361.7	390.3
119°	274.4	348.9	376.4
120°	263.9	335.7	362.2
121°	253.0	323.0	349.4
122°	242.3	311.0	335.6
123°	231.8	298.7	323.2
124°	221.5	286.3	309.9
125°	211.2	274.3	297.5
126°	201.0	262.7	284.7
127°	191.0	251.2	272.3
128°	181.3	239.7	260.3
129°	171.4	228.1	248.3
130°	161.7	217.0	236.4
131°	152.4	206.2	225.4
132°	143.2	195.1	213.7
133°	134.3	184.4	202.4
134°	125.2	174.0	191.8

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CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	116.3	163.9	180.8
136°	107.7	153.7	170.1
137°	100.0	143.6	159.5
138°	92.8	133.6	149.1
139°	86.0	123.7	139.1
140°	79.2	113.7	129.0
141°	72.4	104.0	118.7
142°	66.5	94.5	108.8
143°	60.9	85.7	98.9
144°	55.7	77.0	89.1
145°	51.0	68.2	79.2
146°	47.1	60.8	69.3
147°	43.8	54.6	60.3
148°	41.3	49.2	52.2
149°	39.5	45.2	46.5
150°	38.7	43.7	45.2
151°	37.9	43.9	46.1
152°	36.3	42.6	44.7
153°	34.4	40.5	42.5
154°	32.2	38.1	40.1
155°	29.9	35.4	37.4
156°	27.6	32.8	34.8
157°	25.6	30.7	32.5
158°	24.0	28.8	30.5
159°	22.4	26.9	28.5
160°	20.7	25.0	26.5
161°	18.9	22.8	24.3
162°	16.9	20.7	22.0
163°	15.1	18.6	19.8
164°	13.3	16.5	17.7
165°	11.7	14.6	15.6
166°	10.2	12.8	13.8
167°	9.0	11.0	11.9
168°	7.8	9.6	10.2
169°	6.4	8.1	8.7
170°	4.8	6.7	7.3
171°	3.1	4.9	5.6
172°	1.5	3.0	3.6
173°	0.6	1.3	1.7
174°	0.5	0.5	0.5
175°	0.5	0.5	0.5
176°	0.5	0.5	0.5
177°	0.6	0.5	0.5
178°	0.6	0.5	0.5
179°	0.6	0.5	0.5

REPORT NUMBER: P1444948

CATALOG NUMBER: CWP30 (24W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.5	0.5	0.5

(END OF REPORT)