

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: P1444949

Luminaire Tested: CWP30 (24W-4000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444949
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-4000K)
Description: COMPACT WALL PACK, 30W
SET TO 24W, 4000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3195.1 lumens
Efficiency: N/A
Efficacy: 136.0 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U3 - G3

Input Watts (W): 23.5
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



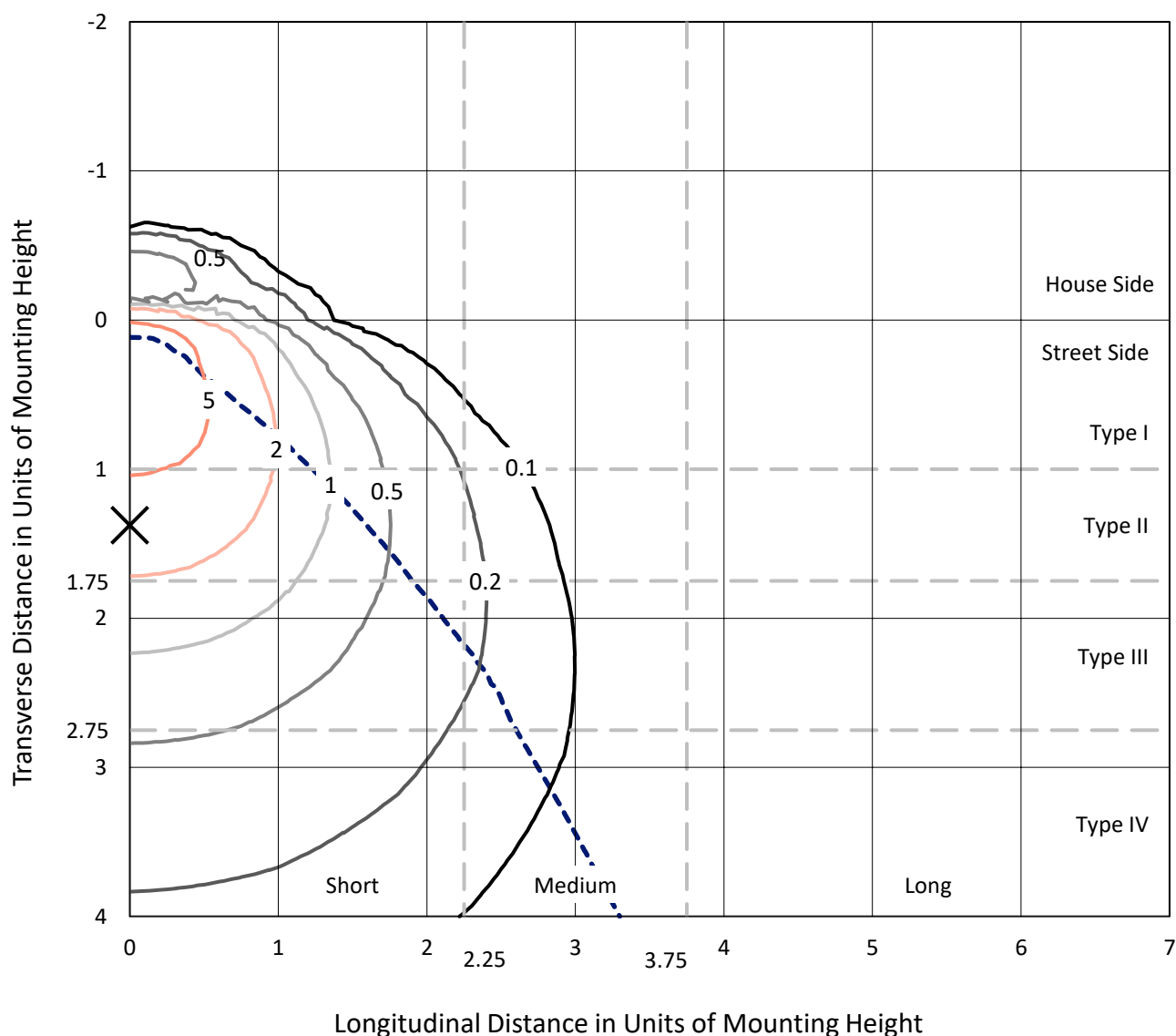
REPORT NUMBER: P1444949

CATALOG NUMBER: CWP30 (24W-4000K)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



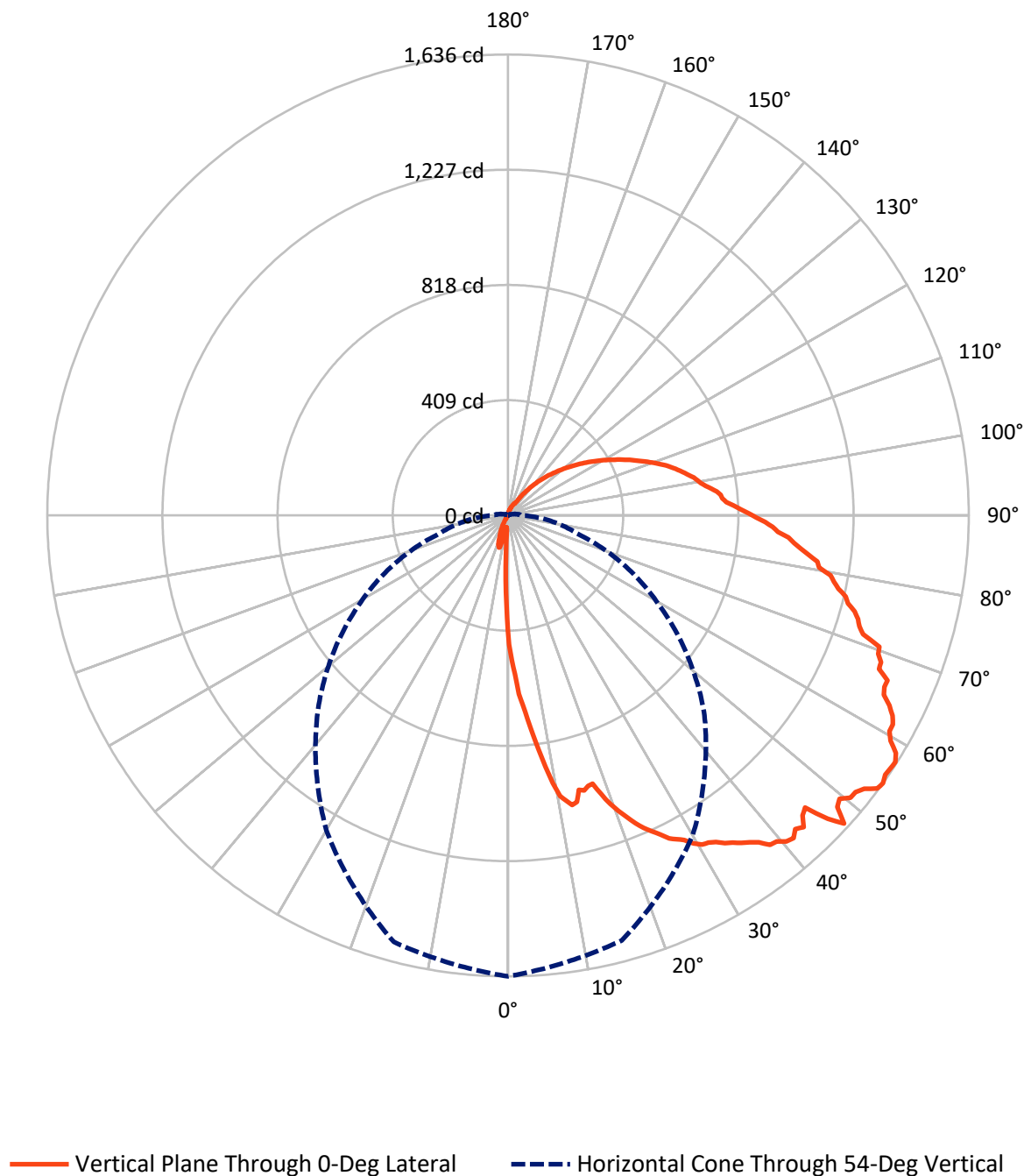
Based on 10 foot mounting height. Maximum calculated value = 9.3 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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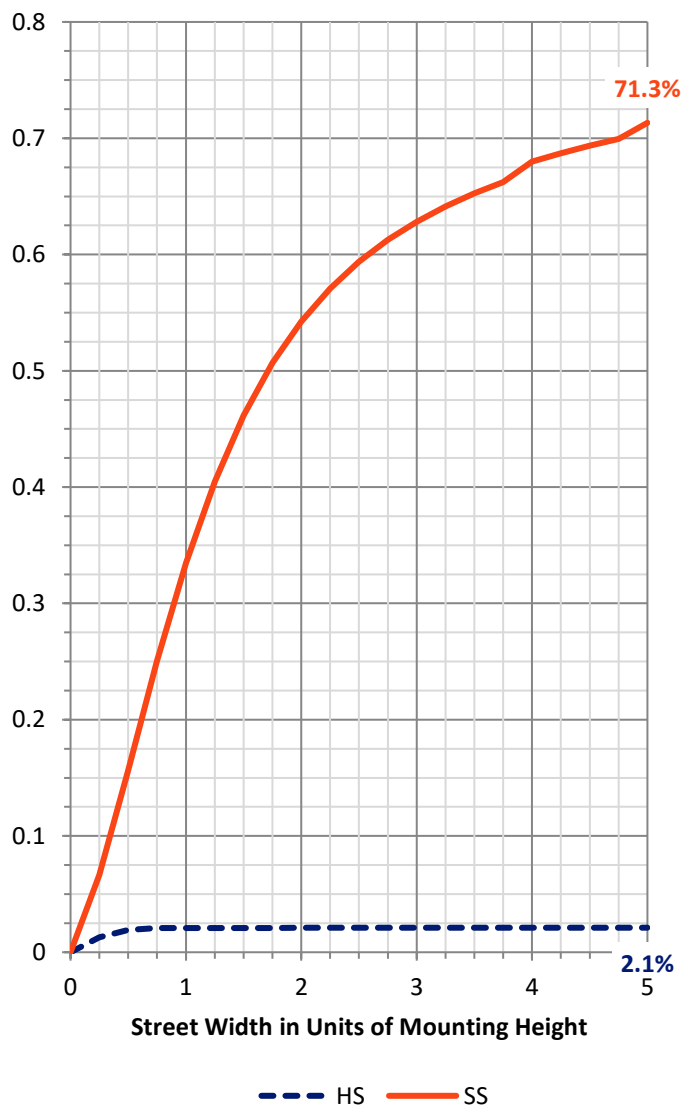
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	68.4	3.1	71.5
	% Fixture	2.1	0.1	2.2
Street Side	Lumens	2503.3	620.3	3123.6
	% Fixture	78.3	19.4	97.8
Total	Lumens	2571.7	623.4	3195.1
	% Fixture	80.5	19.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.2	1.3
10°-20°	132.2	4.1
20°-30°	222.8	7.0
30°-40°	305.2	9.6
40°-50°	368.0	11.5
50°-60°	414.3	13.0
60°-70°	419.5	13.1
70°-80°	374.0	11.7
80°-90°	295.5	9.2
90°-100°	222.6	7.0
100°-110°	167.7	5.2
110°-120°	112.1	3.5
120°-130°	66.8	2.1
130°-140°	34.0	1.1
140°-150°	13.5	0.4
150°-160°	5.3	0.2
160°-170°	1.4	0.0
170°-180°	0.1	0.0
0°-90°	2571.7	80.5
0°-180°	3195.1	100.0

Coefficient of Utilization



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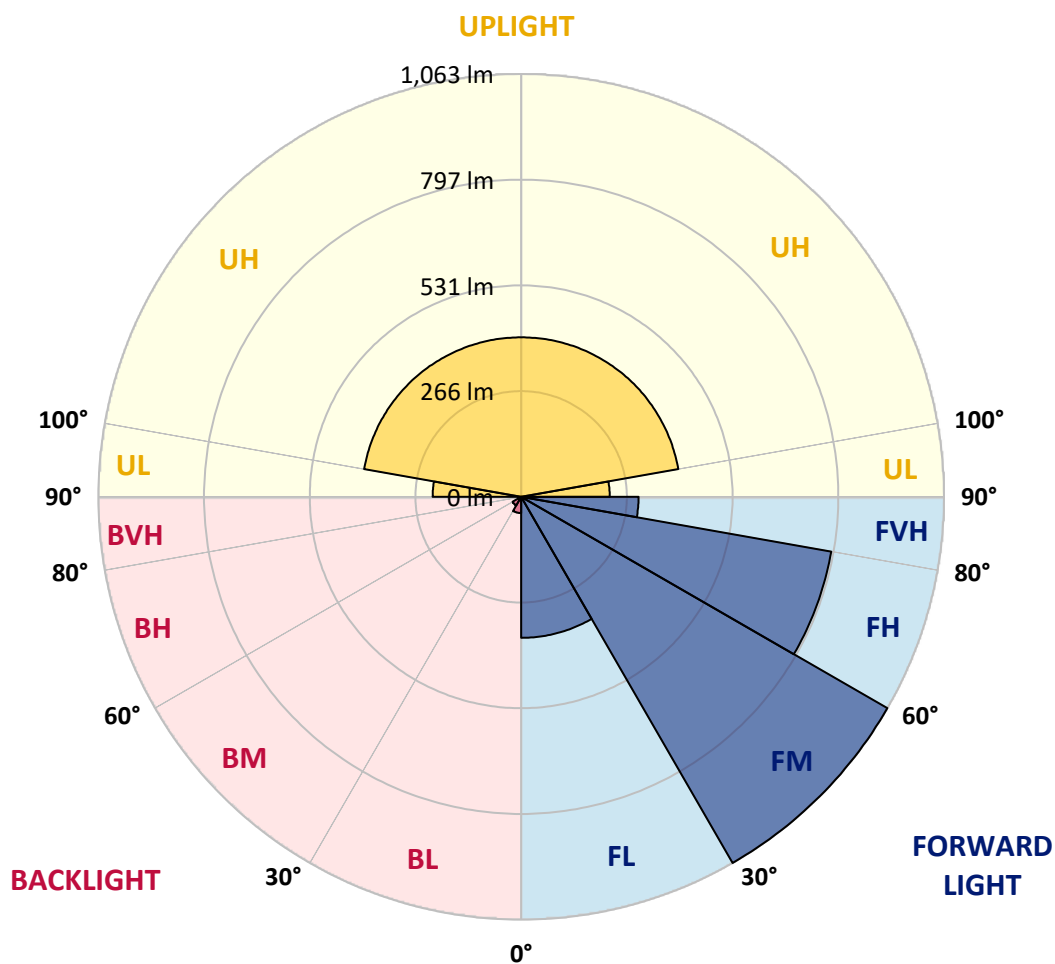
CATALOG NUMBER: CWP30 (24W-4000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.3	11.1			
FM	(30°-60°)	1062.6	33.3			
FH	(60°-80°)	791.3	24.8			G1/1800
FVH	(80°-90°)	295.0	9.2			G3/500
BL	(0°-30°)	40.9	1.3	B0/110		
BM	(30°-60°)	24.9	0.8	B0/220		
BH	(60°-80°)	2.2	0.1	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	222.6	7.0		U3/500	
UH	(100°-180°)	400.8	12.5		U3/500	

BUG Rating: B0-U3-G3

Type IV Short



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CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6
1°	514.4	515.2	510.8	505.7	496.7	484.7	442.6	417.9	394.6	379.0	366.6
2°	563.3	561.5	550.2	534.4	518.2	496.3	440.8	387.7	344.1	312.3	287.9
3°	634.6	629.9	611.0	574.3	536.1	507.0	439.8	358.7	299.4	246.9	209.2
4°	675.2	669.9	657.2	625.7	563.4	519.4	440.5	336.8	256.0	181.4	130.6
5°	726.8	715.2	689.3	659.0	604.0	527.8	437.0	313.9	212.6	116.7	69.4
6°	785.6	775.9	739.8	690.2	635.4	534.9	430.7	286.6	169.0	69.7	51.7
7°	839.8	831.1	790.9	723.9	651.3	547.0	428.2	259.6	112.4	53.1	44.9
8°	902.5	880.4	841.7	765.4	669.3	558.9	423.3	237.3	76.3	47.3	42.9
9°	963.9	939.9	887.4	803.3	687.4	567.6	415.1	215.0	58.2	43.8	43.6
10°	1013.5	992.3	941.7	836.5	708.0	583.2	411.0	192.6	51.1	43.4	45.4
11°	1032.4	1012.0	984.7	871.8	735.9	596.0	403.0	164.3	47.2	44.7	49.0
12°	1053.4	1046.8	1004.6	908.4	759.1	600.1	389.8	132.8	44.5	46.3	53.9
13°	1046.1	1058.9	1029.0	942.2	777.6	602.7	381.5	107.3	43.3	49.0	61.1
14°	1006.0	1024.6	1042.2	969.2	782.9	602.6	371.3	87.6	43.2	53.6	72.8
15°	1012.6	1002.3	1029.2	976.1	801.9	593.4	352.9	71.3	44.0	59.0	87.7
16°	1001.6	989.6	989.1	983.5	822.8	580.4	341.2	60.1	45.2	66.1	99.9
17°	998.5	999.2	988.0	984.0	828.7	579.7	328.7	53.3	47.3	73.5	110.4
18°	1043.0	1014.3	965.2	972.0	837.0	573.7	311.4	48.3	50.3	81.7	115.3
19°	1086.5	1040.5	967.6	939.5	850.3	565.5	301.4	44.6	53.7	88.7	114.7
20°	1119.4	1082.1	980.9	916.5	841.5	569.6	294.5	42.1	57.4	94.0	109.2
21°	1150.9	1126.1	1006.5	908.8	828.8	570.3	283.6	40.3	61.1	96.5	103.2
22°	1183.1	1152.4	1041.0	884.6	821.2	566.1	276.9	38.9	64.5	97.3	96.9
23°	1210.4	1182.4	1071.9	877.1	817.7	566.5	268.5	38.3	67.9	95.4	91.2
24°	1232.3	1205.0	1095.8	881.3	807.4	568.1	261.8	38.0	70.7	93.6	83.1
25°	1254.3	1224.9	1120.0	895.9	786.9	560.4	256.1	38.5	72.7	89.1	76.0
26°	1281.5	1246.2	1141.6	916.1	757.6	558.5	249.0	39.6	73.7	84.1	69.4
27°	1295.3	1265.3	1158.6	935.5	729.6	552.1	243.9	41.1	74.3	77.8	63.1
28°	1310.9	1279.9	1171.4	954.1	719.9	549.3	238.8	43.0	73.2	72.4	56.5
29°	1337.5	1302.6	1182.5	969.1	705.0	547.3	232.4	45.0	71.1	66.7	50.1
30°	1356.4	1323.5	1198.5	980.1	686.4	547.8	226.2	46.7	68.7	61.3	44.3
31°	1362.2	1336.6	1213.0	986.5	676.5	542.1	217.2	48.8	66.1	55.4	37.9
32°	1374.5	1343.6	1225.0	988.2	668.7	535.7	208.1	50.3	63.3	49.5	32.2
33°	1395.4	1358.6	1234.9	986.7	672.3	528.8	199.1	51.3	59.9	44.3	26.7
34°	1409.1	1372.1	1246.6	984.4	674.1	515.6	190.5	52.1	56.4	39.8	22.8
35°	1427.9	1382.8	1255.6	980.8	679.0	505.7	181.6	52.7	52.8	35.2	18.9
36°	1442.9	1400.3	1265.4	980.1	680.1	492.3	172.9	52.8	49.1	30.9	15.1
37°	1462.4	1415.9	1277.2	982.2	680.5	480.9	163.7	52.5	45.6	26.8	12.3
38°	1494.1	1436.3	1286.6	981.6	678.8	471.2	155.5	51.7	41.8	23.3	10.5
39°	1500.1	1452.2	1294.8	978.6	676.8	456.9	146.0	50.3	38.5	19.8	8.9
40°	1522.4	1461.5	1305.7	977.6	672.2	446.2	139.1	48.7	35.2	16.3	7.4
41°	1530.0	1479.2	1307.2	978.6	667.1	434.8	132.7	46.5	32.0	13.7	5.6
42°	1510.2	1480.6	1315.7	979.6	662.9	419.8	126.1	44.0	28.8	11.1	4.4
43°	1525.5	1477.4	1322.8	981.8	658.7	403.1	119.8	41.2	26.0	9.1	3.5
44°	1492.5	1476.6	1320.8	981.2	654.5	386.3	113.9	38.5	23.4	7.5	2.9

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CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1479.4	1452.9	1318.5	981.7	651.3	369.5	107.6	35.8	20.8	6.0	0.5
46°	1564.8	1455.2	1310.0	989.0	648.8	354.6	102.0	33.3	18.2	4.7	0.3
47°	1618.5	1527.4	1291.5	986.5	646.1	338.2	95.8	30.8	16.0	3.2	0.3
48°	1561.8	1553.8	1294.0	984.0	643.3	322.7	88.8	28.5	13.6	2.2	0.3
49°	1548.5	1518.2	1326.5	983.4	639.4	310.0	81.9	26.2	11.4	1.6	0.3
50°	1575.6	1508.6	1331.0	972.6	635.4	296.4	74.7	24.0	9.6	0.9	0.3
51°	1577.0	1519.6	1320.9	972.3	630.6	285.7	68.0	22.1	8.1	0.3	0.4
52°	1594.6	1522.2	1326.5	986.4	623.1	275.8	61.1	20.3	6.6	0.3	0.4
53°	1630.2	1536.5	1323.3	990.6	614.8	266.8	54.3	18.4	5.5	0.3	0.4
54°	1636.1	1561.6	1311.7	984.3	607.9	258.6	48.9	16.7	4.2	0.3	0.4
55°	1625.4	1567.0	1315.4	977.8	597.7	250.9	43.4	15.1	3.2	0.3	0.4
56°	1628.1	1565.9	1326.2	975.8	592.6	242.5	39.2	13.5	2.2	0.3	0.4
57°	1630.6	1567.2	1335.3	970.9	588.1	234.2	34.6	12.0	1.3	0.3	0.5
58°	1615.5	1570.8	1339.9	970.1	576.5	226.8	31.3	10.7	0.8	0.4	0.5
59°	1576.6	1552.7	1337.4	970.3	565.4	219.1	28.2	9.4	0.4	0.4	0.5
60°	1556.5	1520.3	1335.7	969.1	555.8	213.5	25.9	8.3	0.3	0.4	0.5
61°	1555.1	1511.2	1325.0	964.9	546.6	207.9	23.8	7.3	0.3	0.4	0.6
62°	1539.4	1503.3	1306.6	962.1	536.8	202.2	21.9	6.3	0.3	0.4	0.6
63°	1513.0	1494.8	1295.7	955.6	529.4	196.2	20.1	5.5	0.3	0.4	0.6
64°	1478.5	1464.6	1288.5	941.2	519.3	190.3	18.2	4.6	0.3	0.5	0.6
65°	1469.0	1435.2	1279.2	930.4	512.4	184.8	16.9	3.9	0.3	0.5	0.7
66°	1468.9	1430.9	1257.2	920.6	503.9	179.8	15.6	3.2	0.3	0.5	0.7
67°	1425.9	1416.0	1240.5	912.9	493.7	174.8	14.4	2.6	0.3	0.5	0.7
68°	1423.6	1384.8	1233.2	897.2	479.8	170.0	13.2	2.0	0.3	0.5	0.7
69°	1403.9	1374.7	1213.2	880.8	470.8	165.0	12.0	1.5	0.3	0.6	0.8
70°	1398.9	1364.6	1196.2	875.4	461.2	159.7	10.8	1.1	0.3	0.6	0.8
71°	1329.3	1330.4	1182.6	859.5	449.3	154.2	9.6	0.7	0.4	0.6	0.8
72°	1308.6	1269.0	1165.3	847.0	437.9	148.8	8.5	0.5	0.4	0.6	0.8
73°	1296.1	1266.4	1112.5	837.1	428.7	143.9	7.3	0.4	0.4	0.6	0.8
74°	1277.2	1243.3	1095.7	818.7	416.4	138.3	6.3	0.3	0.4	0.6	0.9
75°	1246.9	1224.7	1077.1	791.0	406.6	133.3	5.3	0.3	0.4	0.7	0.9
76°	1233.4	1197.6	1058.7	773.4	393.2	128.3	4.5	0.3	0.4	0.7	0.9
77°	1202.3	1177.1	1031.8	758.6	377.4	123.6	3.7	0.2	0.4	0.7	0.9
78°	1181.2	1155.3	1009.6	740.4	365.3	117.5	3.0	0.2	0.4	0.7	1.0
79°	1164.9	1130.7	988.6	721.9	353.0	112.2	2.4	0.2	0.5	0.7	1.0
80°	1119.7	1091.5	968.1	705.4	340.8	107.2	2.0	0.2	0.5	0.8	1.0
81°	1110.9	1083.4	931.6	687.1	328.7	102.4	1.6	0.2	0.5	0.8	1.0
82°	1076.6	1046.5	917.0	663.0	316.4	98.1	1.3	0.2	0.5	0.8	1.1
83°	1046.9	1016.5	882.9	643.1	305.5	93.3	1.0	0.2	0.5	0.8	1.1
84°	1020.5	987.8	857.8	621.2	291.7	89.3	0.7	0.2	0.5	0.8	1.1
85°	999.6	964.9	833.9	598.4	281.0	85.2	0.5	0.3	0.5	0.8	1.1
86°	960.6	925.2	800.1	575.0	270.4	81.2	0.3	0.3	0.5	0.8	1.1
87°	940.2	906.0	778.2	556.4	261.8	78.0	0.2	0.3	0.5	0.9	1.1
88°	913.6	880.7	752.5	537.3	254.1	75.6	0.1	0.3	0.6	0.9	1.2
89°	881.6	851.0	725.3	519.8	248.5	73.9	0.1	0.3	0.6	0.9	1.2

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CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	854.7	823.6	702.6	507.7	243.9	72.0	0.1	0.3	0.6	0.9	1.2
91°	826.8	796.8	679.1	493.9	240.0	70.1	0.1	0.3	0.6	0.9	1.2
92°	801.4	767.3	656.0	483.1	235.3	67.7	0.1	0.3	0.6	0.9	1.2
93°	776.2	743.3	643.6	475.5	228.5	64.7	0.1	0.3	0.6	0.9	1.2
94°	764.0	732.4	634.6	465.0	222.4	61.9	0.1	0.3	0.6	1.0	1.3
95°	759.1	726.7	622.1	453.0	215.0	59.1	0.1	0.3	0.6	1.0	1.3
96°	745.7	711.4	608.1	440.6	206.4	56.3	0.1	0.3	0.6	1.0	1.3
97°	728.7	695.4	591.7	426.6	199.5	54.1	0.1	0.3	0.6	1.0	1.3
98°	709.5	676.5	576.2	414.4	193.6	52.0	0.1	0.3	0.7	1.0	1.3
99°	694.1	661.3	564.2	403.8	187.0	50.0	0.1	0.3	0.7	1.0	1.3
100°	684.5	651.1	552.1	391.8	181.0	48.2	0.1	0.4	0.7	1.0	1.3
101°	672.8	639.4	538.8	380.2	175.1	46.4	0.1	0.4	0.7	1.0	1.3
102°	658.6	625.4	525.8	368.5	169.4	44.6	0.1	0.4	0.7	1.0	1.3
103°	645.3	612.3	513.1	356.0	162.6	42.6	0.1	0.4	0.7	1.0	1.4
104°	631.4	598.3	499.4	342.9	156.1	40.7	0.2	0.4	0.7	1.0	1.4
105°	617.4	585.1	485.9	330.3	149.6	38.9	0.2	0.4	0.7	1.0	1.4
106°	603.0	570.2	471.4	317.6	143.4	37.2	0.2	0.4	0.7	1.0	1.4
107°	588.5	554.6	456.9	304.9	137.5	35.5	0.2	0.4	0.7	1.0	1.4
108°	572.0	538.4	442.2	292.4	131.8	33.9	0.2	0.4	0.7	1.0	1.4
109°	555.9	522.8	427.4	280.8	126.7	32.5	0.2	0.4	0.7	1.0	1.4
110°	538.6	506.8	412.6	269.0	121.4	31.2	0.2	0.4	0.7	1.0	1.4
111°	522.5	490.0	398.4	257.4	116.2	29.9	0.2	0.4	0.7	1.0	1.4
112°	505.5	474.5	384.8	246.2	110.9	28.5	0.2	0.4	0.7	1.0	1.3
113°	489.7	459.0	371.3	235.2	105.7	27.3	0.2	0.4	0.7	1.0	1.3
114°	474.8	444.4	358.0	224.4	100.6	25.9	0.2	0.4	0.7	1.0	1.3
115°	459.4	429.6	344.7	214.4	95.9	24.7	0.2	0.4	0.7	1.0	1.3
116°	443.4	414.9	331.9	204.6	92.9	23.5	0.2	0.4	0.7	1.0	1.3
117°	428.3	400.3	318.8	195.2	87.8	22.3	0.2	0.4	0.7	1.0	1.3
118°	413.9	386.0	306.6	186.6	82.7	21.1	0.2	0.4	0.7	1.0	1.3
119°	399.6	372.2	294.5	178.0	78.6	19.8	0.2	0.4	0.7	1.0	1.2
120°	384.6	358.2	282.5	168.8	74.8	18.5	0.2	0.4	0.7	1.0	1.2
121°	370.4	344.3	270.4	160.0	71.1	17.2	0.2	0.4	0.7	1.0	1.2
122°	356.4	331.0	258.8	152.0	67.5	16.3	0.2	0.4	0.7	1.0	1.2
123°	342.2	317.8	246.9	144.5	63.9	15.8	0.2	0.4	0.7	1.0	1.2
124°	328.5	304.4	235.8	137.4	60.2	15.3	0.2	0.4	0.7	1.0	1.2
125°	315.0	291.8	225.1	130.6	56.8	14.8	0.2	0.4	0.7	1.0	1.2
126°	301.6	278.8	214.4	124.1	53.6	14.2	0.2	0.4	0.7	1.0	1.2
127°	288.5	266.8	203.3	117.8	50.9	13.7	0.2	0.4	0.7	1.0	1.2
128°	275.7	254.6	192.8	111.6	48.4	13.3	0.2	0.5	0.7	1.0	1.2
129°	263.0	242.0	182.6	105.9	46.4	13.1	0.3	0.5	0.7	1.0	1.2
130°	250.7	230.1	172.0	100.1	44.5	13.0	0.3	0.5	0.7	1.0	1.2
131°	238.6	218.5	162.0	94.4	42.7	13.0	0.3	0.5	0.7	1.0	1.2
132°	226.2	206.9	152.1	88.8	40.8	12.7	0.3	0.5	0.7	1.0	1.2
133°	214.6	195.3	142.5	83.2	38.8	12.2	0.3	0.5	0.8	1.0	1.2
134°	202.8	184.0	132.9	77.6	36.3	11.4	0.3	0.5	0.8	1.0	1.2

REPORT NUMBER: P1444949

CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	191.5	173.1	123.9	72.3	34.0	10.4	0.3	0.5	0.8	1.0	1.2
136°	180.0	162.2	115.2	67.4	32.0	9.8	0.3	0.5	0.8	1.0	1.2
137°	168.6	151.6	106.9	62.8	30.4	9.1	0.4	0.6	0.8	1.0	1.2
138°	157.9	141.0	99.2	59.0	29.0	8.8	0.4	0.6	0.8	1.0	1.2
139°	147.0	130.4	92.2	55.6	27.8	8.5	0.4	0.6	0.8	1.0	1.2
140°	136.3	120.0	85.4	52.3	26.7	8.1	0.4	0.6	0.8	1.0	1.2
141°	125.6	109.7	78.6	49.2	25.8	7.7	0.4	0.6	0.8	1.0	1.2
142°	115.1	99.8	72.6	46.5	25.2	7.2	0.4	0.6	0.8	1.1	1.2
143°	104.5	90.8	66.5	44.2	24.7	6.7	0.5	0.6	0.8	1.1	1.2
144°	94.0	81.8	61.0	42.3	24.1	6.2	0.5	0.7	0.9	1.1	1.2
145°	83.8	72.9	56.1	40.7	23.5	5.8	0.5	0.7	0.9	1.1	1.2
146°	73.7	65.3	51.8	39.0	22.7	5.3	0.5	0.7	0.9	1.1	1.2
147°	63.6	58.7	48.2	37.6	21.5	4.9	0.5	0.7	0.9	1.1	1.2
148°	55.1	53.0	45.1	36.4	20.1	4.4	0.6	0.7	0.9	1.0	1.2
149°	49.3	48.7	42.6	35.3	18.9	3.9	0.6	0.7	0.9	1.0	1.2
150°	48.2	46.2	41.4	33.7	17.9	3.6	0.6	0.7	0.9	1.0	1.2
151°	49.1	46.3	40.5	31.8	16.9	3.3	0.6	0.7	0.9	1.0	1.2
152°	47.5	45.4	38.9	29.8	15.9	3.0	0.6	0.7	0.9	1.0	1.1
153°	45.2	43.2	36.9	27.9	14.8	2.6	0.7	0.8	0.9	1.0	1.1
154°	42.5	40.6	34.7	25.9	13.8	2.2	0.7	0.8	0.9	1.0	1.1
155°	39.7	37.8	32.3	24.0	12.9	1.7	0.7	0.8	0.9	1.0	1.1
156°	36.9	35.1	29.8	22.2	11.9	1.3	0.7	0.8	0.9	1.0	1.0
157°	34.5	32.6	27.5	20.4	10.9	0.9	0.7	0.8	0.9	1.0	1.0
158°	32.4	30.5	25.6	18.7	10.0	0.7	0.7	0.8	0.9	0.9	1.0
159°	30.3	28.6	23.8	17.1	9.1	0.7	0.7	0.8	0.9	0.9	1.0
160°	28.2	26.6	22.2	15.6	8.2	0.7	0.8	0.8	0.9	0.9	0.9
161°	25.8	24.4	20.3	14.1	7.4	0.7	0.8	0.8	0.9	0.9	0.9
162°	23.3	22.2	18.3	12.7	6.4	0.7	0.8	0.8	0.9	0.9	0.9
163°	21.0	19.9	16.3	11.2	5.4	0.7	0.8	0.8	0.9	0.9	0.9
164°	18.7	17.7	14.5	10.0	4.3	0.7	0.8	0.8	0.9	0.9	0.9
165°	16.6	15.6	12.7	8.8	3.3	0.7	0.8	0.8	0.9	0.9	0.8
166°	14.6	13.7	11.1	7.6	2.3	0.7	0.8	0.8	0.9	0.9	0.8
167°	12.6	11.8	9.7	6.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8
168°	10.8	10.2	8.4	5.2	0.9	0.8	0.8	0.8	0.8	0.8	0.8
169°	9.1	8.7	7.1	3.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
170°	7.5	7.2	5.5	2.4	0.7	0.7	0.8	0.8	0.8	0.8	0.8
171°	5.9	5.4	3.7	1.1	0.7	0.7	0.8	0.8	0.8	0.8	0.8
172°	3.8	3.3	1.9	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.7
173°	1.8	1.4	0.7	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.7
174°	0.5	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.7
175°	0.5	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.7
176°	0.5	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.7
177°	0.5	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.7
178°	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7
179°	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.7



REPORT NUMBER: P1444949
CATALOG NUMBER: CWP30 (24W-4000K)

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: P1444949

CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6
1°	362.1	363.4	370.6	383.2	401.9	423.6	445.4	440.0	463.2	481.2	495.2
2°	274.2	273.2	283.0	301.9	333.4	374.8	425.4	443.2	483.6	506.9	525.0
3°	186.4	183.0	195.5	228.4	272.5	327.2	397.0	441.6	497.5	524.8	563.4
4°	99.4	94.0	108.8	154.9	211.6	284.1	369.9	439.0	502.3	551.7	613.8
5°	57.6	56.1	59.8	78.6	150.6	241.2	342.6	436.6	508.5	583.2	653.2
6°	47.0	46.5	48.0	54.1	85.6	198.3	319.6	433.5	518.6	617.0	674.0
7°	43.0	43.1	43.4	46.5	58.1	155.3	295.7	432.6	532.2	642.4	709.2
8°	43.5	43.9	43.3	43.1	49.2	106.6	269.5	424.0	539.6	657.2	750.9
9°	45.2	46.0	44.8	43.2	44.9	74.2	244.4	417.8	549.5	666.1	793.0
10°	48.4	49.7	48.1	44.6	42.9	57.9	222.8	411.1	560.2	690.7	819.4
11°	53.3	54.5	52.9	47.6	43.2	50.6	201.2	403.8	570.6	708.7	850.7
12°	60.5	61.6	59.7	52.2	44.4	46.4	179.4	392.0	571.5	731.9	886.3
13°	73.7	79.1	72.0	58.3	46.0	43.1	155.2	381.2	573.2	746.8	918.0
14°	93.5	99.6	90.9	67.1	49.3	41.2	132.0	373.8	571.9	751.9	938.9
15°	110.8	116.7	107.0	79.2	53.9	40.8	108.5	360.5	560.8	761.5	943.2
16°	119.3	118.5	117.6	91.4	59.5	41.4	87.9	346.5	549.6	787.3	953.8
17°	115.9	114.9	116.1	100.4	66.0	42.6	72.3	337.8	547.0	790.8	943.9
18°	115.0	111.9	112.6	107.7	72.6	44.4	60.0	324.7	551.8	804.3	931.7
19°	111.7	105.7	110.7	109.5	78.4	46.2	51.2	313.8	545.8	803.9	891.9
20°	102.8	97.9	103.7	105.6	83.0	49.3	46.3	306.3	543.4	795.0	881.5
21°	94.2	88.4	93.2	101.0	86.1	53.1	42.6	300.3	547.5	791.2	863.8
22°	87.7	80.3	88.4	94.3	87.7	56.7	39.6	292.5	548.0	782.0	855.0
23°	79.3	74.1	79.0	88.6	86.5	59.8	37.5	284.8	545.7	770.8	842.8
24°	72.2	67.6	71.7	81.8	85.3	62.6	36.0	279.0	542.3	759.9	860.5
25°	67.1	61.3	67.1	74.7	82.5	64.6	35.1	271.9	542.8	733.9	872.4
26°	61.2	55.4	59.8	67.9	79.5	65.8	34.8	267.6	534.6	705.0	890.4
27°	54.9	50.4	54.2	61.5	74.8	66.4	35.0	259.6	536.6	691.5	908.5
28°	49.2	43.1	47.4	55.4	69.5	66.3	35.4	252.7	537.1	680.7	925.6
29°	42.4	36.1	41.8	48.9	64.0	65.4	36.0	246.2	532.9	663.8	938.8
30°	35.8	29.5	33.8	43.0	59.1	63.7	37.0	238.3	529.8	656.5	949.4
31°	27.0	22.9	28.2	37.6	54.0	61.6	38.3	229.5	523.1	647.4	953.4
32°	22.8	16.4	22.6	32.1	48.9	59.2	39.5	220.6	517.1	650.6	952.4
33°	18.5	15.0	17.0	27.0	44.0	56.3	40.4	212.0	504.8	652.8	950.6
34°	14.3	13.6	14.4	23.2	39.2	53.1	41.2	204.7	489.4	659.5	947.8
35°	12.0	12.1	12.2	19.5	34.7	49.9	41.9	194.6	479.9	660.3	947.8
36°	10.5	11.0	10.2	15.8	30.6	46.6	42.2	186.2	467.3	661.2	948.8
37°	9.6	8.1	9.4	13.0	26.8	43.1	41.7	176.4	452.4	659.8	950.2
38°	7.4	7.2	7.5	10.6	23.3	39.6	41.2	167.7	438.7	658.5	947.9
39°	6.4	6.4	6.3	8.5	19.8	36.3	40.2	159.3	425.5	652.4	945.8
40°	5.6	5.5	5.3	7.3	16.4	33.1	39.0	152.1	410.2	648.0	946.7
41°	4.7	1.0	4.8	5.9	13.8	30.2	37.5	145.4	393.4	644.8	948.1
42°	0.6	0.3	1.1	4.4	11.7	27.3	35.8	140.1	376.5	639.3	953.1
43°	0.3	0.3	0.3	3.3	9.7	24.5	34.2	132.8	365.9	635.9	953.8
44°	0.3	0.3	0.3	2.8	7.7	22.2	32.4	127.4	356.9	633.7	955.4

REPORT NUMBER: P1444949

CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.3	0.3	0.3	1.2	6.3	19.8	30.7	120.3	344.2	630.5	958.6
46°	0.3	0.4	0.3	0.3	5.0	17.5	28.8	111.0	333.1	628.1	958.6
47°	0.4	0.4	0.4	0.3	3.8	15.5	27.1	103.9	320.9	627.4	955.8
48°	0.4	0.4	0.4	0.3	2.5	13.6	25.3	94.8	308.8	624.9	955.0
49°	0.4	0.4	0.4	0.3	1.6	11.7	23.5	87.1	298.5	623.8	946.0
50°	0.4	0.4	0.4	0.4	1.2	9.9	21.7	79.5	289.1	619.1	942.8
51°	0.4	0.5	0.4	0.4	0.4	8.4	19.8	71.9	279.5	614.7	951.1
52°	0.4	0.5	0.5	0.4	0.3	7.0	18.0	65.8	270.9	609.9	957.1
53°	0.5	0.5	0.5	0.4	0.3	5.9	16.3	58.4	262.8	603.1	955.0
54°	0.5	0.5	0.5	0.4	0.3	4.7	14.7	53.0	254.3	595.4	950.5
55°	0.5	0.5	0.5	0.5	0.3	3.6	13.2	47.7	245.9	592.1	947.0
56°	0.5	0.6	0.5	0.5	0.4	2.7	11.7	43.7	237.7	586.5	943.2
57°	0.5	0.6	0.6	0.5	0.4	1.9	10.4	40.1	231.4	577.9	941.1
58°	0.6	0.6	0.6	0.5	0.4	1.2	9.1	37.5	224.0	568.0	943.2
59°	0.6	0.6	0.6	0.5	0.4	0.8	8.0	35.3	218.8	560.2	947.5
60°	0.6	0.7	0.6	0.6	0.4	0.4	7.0	32.8	213.8	550.4	940.3
61°	0.7	0.7	0.7	0.6	0.4	0.3	6.2	31.2	207.3	541.2	937.2
62°	0.7	0.7	0.7	0.6	0.5	0.3	5.5	29.8	201.4	534.6	934.7
63°	0.7	0.8	0.7	0.6	0.5	0.3	4.8	28.3	196.1	525.6	924.8
64°	0.7	0.8	0.8	0.7	0.5	0.3	4.2	27.0	190.8	516.8	913.1
65°	0.8	0.8	0.8	0.7	0.5	0.3	3.7	25.6	186.0	507.5	903.6
66°	0.8	0.8	0.8	0.7	0.5	0.3	3.2	24.2	181.3	498.7	897.0
67°	0.8	0.9	0.8	0.7	0.5	0.3	2.6	22.8	176.4	487.3	885.6
68°	0.9	0.9	0.9	0.7	0.6	0.3	2.2	21.3	171.8	476.4	869.1
69°	0.9	0.9	0.9	0.8	0.6	0.4	1.7	20.0	166.2	467.6	862.2
70°	0.9	1.0	0.9	0.8	0.6	0.4	1.3	18.6	160.9	456.6	852.2
71°	0.9	1.0	1.0	0.8	0.6	0.4	1.0	17.2	155.4	444.8	839.6
72°	1.0	1.0	1.0	0.8	0.6	0.4	0.7	15.9	150.2	435.3	830.2
73°	1.0	1.1	1.0	0.9	0.6	0.4	0.5	14.6	144.8	424.4	818.0
74°	1.0	1.1	1.0	0.9	0.7	0.4	0.4	13.4	139.6	415.3	792.2
75°	1.1	1.1	1.1	0.9	0.7	0.4	0.3	12.2	134.5	403.2	772.4
76°	1.1	1.1	1.1	0.9	0.7	0.4	0.3	11.0	129.8	386.8	756.2
77°	1.1	1.2	1.1	1.0	0.7	0.4	0.3	9.9	123.8	374.7	742.9
78°	1.1	1.2	1.2	1.0	0.7	0.4	0.2	8.8	118.0	362.8	725.8
79°	1.2	1.2	1.2	1.0	0.7	0.5	0.2	7.6	112.9	350.4	708.8
80°	1.2	1.3	1.2	1.0	0.8	0.5	0.2	6.6	107.8	338.6	693.6
81°	1.2	1.3	1.2	1.1	0.8	0.5	0.2	5.6	103.4	327.1	668.4
82°	1.2	1.3	1.2	1.1	0.8	0.5	0.2	4.6	98.4	315.2	652.4
83°	1.3	1.3	1.3	1.1	0.8	0.5	0.3	3.7	94.1	302.0	628.7
84°	1.3	1.3	1.3	1.1	0.8	0.5	0.3	2.8	90.3	290.0	607.5
85°	1.3	1.3	1.3	1.1	0.8	0.5	0.3	2.0	86.5	279.3	587.5
86°	1.3	1.4	1.3	1.1	0.8	0.5	0.3	1.3	82.7	270.3	567.8
87°	1.3	1.4	1.3	1.1	0.9	0.5	0.3	0.8	79.9	261.5	547.4
88°	1.4	1.4	1.4	1.2	0.9	0.5	0.3	0.5	78.3	255.4	529.2
89°	1.4	1.4	1.4	1.2	0.9	0.6	0.3	0.3	76.6	250.8	514.2

REPORT NUMBER: P1444949

CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	1.4	1.5	1.4	1.2	0.9	0.6	0.3	0.2	74.8	246.3	500.8
91°	1.4	1.5	1.4	1.2	0.9	0.6	0.3	0.2	72.9	242.5	489.2
92°	1.4	1.5	1.4	1.2	0.9	0.6	0.3	0.1	69.6	236.7	480.2
93°	1.5	1.5	1.5	1.3	0.9	0.6	0.3	0.1	66.7	230.1	471.1
94°	1.5	1.5	1.5	1.3	0.9	0.6	0.3	0.1	63.9	223.2	461.1
95°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	0.1	61.1	215.3	449.1
96°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	0.1	58.8	207.7	436.2
97°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	0.1	56.5	201.6	423.0
98°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	0.1	54.5	195.6	412.4
99°	1.5	1.6	1.6	1.3	1.0	0.6	0.4	0.1	52.5	189.6	401.4
100°	1.6	1.6	1.6	1.3	1.0	0.7	0.4	0.1	50.6	184.1	390.5
101°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	48.9	178.2	379.0
102°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	46.7	171.5	367.0
103°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	44.7	165.0	354.4
104°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	42.7	158.7	341.9
105°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	40.8	152.0	329.5
106°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	38.9	145.8	317.3
107°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	37.3	140.2	305.0
108°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	35.8	134.8	293.1
109°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	34.2	129.3	281.5
110°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	32.8	124.3	270.0
111°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	31.3	118.9	259.0
112°	1.6	1.7	1.6	1.4	1.0	0.7	0.4	0.1	29.9	113.5	248.1
113°	1.5	1.6	1.6	1.3	1.0	0.7	0.4	0.1	28.5	108.0	236.9
114°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	27.1	103.2	226.2
115°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	25.8	98.4	216.2
116°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	24.6	93.4	206.3
117°	1.5	1.6	1.5	1.3	1.0	0.7	0.5	0.1	23.4	89.0	197.0
118°	1.5	1.6	1.5	1.3	1.0	0.7	0.5	0.1	22.0	84.6	188.2
119°	1.5	1.5	1.5	1.3	1.0	0.7	0.5	0.1	20.8	80.3	179.3
120°	1.4	1.5	1.5	1.3	1.0	0.7	0.5	0.1	19.4	76.2	170.0
121°	1.4	1.5	1.5	1.3	1.0	0.7	0.5	0.1	18.2	72.2	161.4
122°	1.4	1.5	1.5	1.3	1.0	0.8	0.5	0.1	17.4	68.4	153.6
123°	1.4	1.5	1.5	1.3	1.0	0.8	0.5	0.1	16.8	64.6	146.0
124°	1.4	1.5	1.5	1.3	1.1	0.8	0.5	0.2	16.2	60.9	138.7
125°	1.4	1.5	1.5	1.3	1.1	0.8	0.5	0.2	15.6	57.5	132.0
126°	1.4	1.5	1.5	1.3	1.1	0.8	0.5	0.2	15.0	54.5	125.5
127°	1.4	1.5	1.5	1.3	1.1	0.8	0.6	0.2	14.5	51.8	119.3
128°	1.4	1.5	1.5	1.3	1.1	0.8	0.6	0.2	14.2	49.3	113.0
129°	1.4	1.5	1.5	1.3	1.1	0.8	0.6	0.2	14.1	47.2	107.0
130°	1.4	1.5	1.5	1.3	1.1	0.9	0.6	0.2	14.0	45.1	101.2
131°	1.4	1.5	1.5	1.4	1.1	0.9	0.6	0.2	13.8	42.9	95.4
132°	1.4	1.5	1.5	1.4	1.1	0.9	0.6	0.2	13.2	40.7	89.5
133°	1.4	1.5	1.5	1.4	1.2	0.9	0.6	0.2	12.3	38.2	83.5
134°	1.4	1.5	1.5	1.4	1.2	0.9	0.7	0.2	11.3	35.7	77.6

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CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	1.4	1.5	1.5	1.4	1.2	0.9	0.7	0.2	10.3	33.6	72.0
136°	1.4	1.5	1.5	1.4	1.2	0.9	0.7	0.2	9.9	31.9	66.9
137°	1.4	1.5	1.5	1.4	1.2	0.9	0.7	0.3	9.5	30.3	62.6
138°	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.3	9.2	28.9	58.9
139°	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.3	8.8	27.6	55.6
140°	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.3	8.3	26.6	52.3
141°	1.4	1.5	1.5	1.4	1.2	1.0	0.8	0.3	7.8	25.8	49.2
142°	1.4	1.5	1.5	1.4	1.2	1.0	0.8	0.3	7.3	25.3	46.5
143°	1.4	1.4	1.4	1.4	1.2	1.0	0.8	0.3	6.8	24.8	44.1
144°	1.4	1.4	1.4	1.4	1.2	1.0	0.8	0.3	6.3	24.2	42.3
145°	1.4	1.4	1.4	1.4	1.2	1.0	0.8	0.4	5.8	23.5	40.5
146°	1.3	1.4	1.4	1.3	1.2	1.0	0.8	0.4	5.3	22.4	38.8
147°	1.3	1.4	1.4	1.3	1.2	1.0	0.9	0.4	4.8	21.1	37.3
148°	1.3	1.4	1.4	1.3	1.2	1.1	0.9	0.4	4.3	19.8	36.1
149°	1.3	1.4	1.4	1.3	1.2	1.1	0.9	0.4	3.8	18.8	34.9
150°	1.3	1.3	1.3	1.3	1.2	1.1	0.9	0.4	3.5	17.8	33.1
151°	1.2	1.3	1.3	1.3	1.2	1.1	0.9	0.4	3.2	16.8	31.2
152°	1.2	1.3	1.3	1.3	1.2	1.1	1.0	0.5	2.8	15.7	29.3
153°	1.2	1.2	1.3	1.2	1.2	1.1	1.0	0.5	2.4	14.6	27.3
154°	1.2	1.2	1.2	1.2	1.2	1.1	1.0	0.5	1.9	13.6	25.3
155°	1.1	1.2	1.2	1.2	1.2	1.1	1.0	0.5	1.4	12.6	23.3
156°	1.1	1.1	1.2	1.2	1.1	1.1	1.0	0.5	1.0	11.6	21.5
157°	1.1	1.1	1.1	1.1	1.1	1.1	1.0	0.6	0.6	10.6	19.8
158°	1.0	1.1	1.1	1.1	1.1	1.1	1.1	0.6	0.5	9.6	18.2
159°	1.0	1.0	1.1	1.1	1.1	1.1	1.1	0.6	0.5	8.6	16.7
160°	1.0	1.0	1.0	1.0	1.0	1.1	1.0	0.6	0.5	7.8	15.2
161°	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.6	0.6	6.9	13.7
162°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	0.6	0.6	5.8	12.2
163°	0.9	0.9	0.9	0.9	0.9	1.0	1.0	0.6	0.6	4.8	10.7
164°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	0.7	0.6	3.7	9.6
165°	0.8	0.8	0.8	0.8	0.8	0.9	1.0	0.7	0.6	2.7	8.4
166°	0.8	0.7	0.7	0.7	0.8	0.9	0.9	0.7	0.6	1.7	7.3
167°	0.8	0.7	0.7	0.7	0.8	0.8	0.9	0.7	0.6	1.0	6.0
168°	0.7	0.7	0.7	0.7	0.7	0.8	0.9	0.7	0.6	0.6	4.7
169°	0.7	0.7	0.6	0.6	0.7	0.8	0.9	0.7	0.7	0.6	3.2
170°	0.7	0.6	0.6	0.6	0.7	0.7	0.8	0.7	0.7	0.6	1.8
171°	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.6	0.7
172°	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.6	0.6
173°	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.6	0.6
174°	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.7	0.6
175°	0.7	0.6	0.5	0.5	0.6	0.7	0.7	0.8	0.7	0.7	0.6
176°	0.7	0.6	0.5	0.5	0.6	0.6	0.7	0.8	0.7	0.7	0.6
177°	0.6	0.6	0.5	0.5	0.5	0.6	0.7	0.8	0.7	0.7	0.6
178°	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.7	0.7
179°	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.8	0.8	0.7	0.7



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CATALOG NUMBER: CWP30 (24W-4000K)

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: P1444949

CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	458.6	458.6	458.6
1°	504.2	509.7	514.4
2°	541.7	554.2	563.3
3°	601.1	621.6	634.6
4°	653.8	668.7	675.2
5°	684.9	710.5	726.8
6°	735.2	774.1	785.6
7°	782.7	829.4	839.8
8°	827.4	878.5	902.5
9°	872.7	940.2	963.9
10°	926.9	991.6	1013.5
11°	971.3	1013.8	1032.4
12°	992.4	1044.1	1053.4
13°	1017.2	1050.0	1046.1
14°	1021.0	1013.1	1006.0
15°	1009.5	994.9	1012.6
16°	963.9	982.6	1001.6
17°	966.6	996.6	998.5
18°	945.4	1011.7	1043.0
19°	948.8	1041.3	1086.5
20°	969.3	1082.4	1119.4
21°	995.3	1125.0	1150.9
22°	1030.2	1145.3	1183.1
23°	1060.4	1175.8	1210.4
24°	1079.6	1194.5	1232.3
25°	1103.7	1215.6	1254.3
26°	1121.3	1235.8	1281.5
27°	1135.6	1257.1	1295.3
28°	1146.0	1274.3	1310.9
29°	1161.0	1295.3	1337.5
30°	1174.1	1315.6	1356.4
31°	1187.7	1328.9	1362.2
32°	1201.7	1338.1	1374.5
33°	1212.3	1352.9	1395.4
34°	1222.8	1365.4	1409.1
35°	1233.9	1379.0	1427.9
36°	1242.1	1394.8	1442.9
37°	1251.1	1409.9	1462.4
38°	1255.6	1433.8	1494.1
39°	1268.4	1450.1	1500.1
40°	1277.7	1463.6	1522.4
41°	1283.2	1480.4	1530.0
42°	1295.1	1474.7	1510.2
43°	1294.9	1473.1	1525.5
44°	1291.9	1470.0	1492.5

REPORT NUMBER: P1444949

CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1289.9	1446.5	1479.4
46°	1276.2	1465.1	1564.8
47°	1263.3	1541.8	1618.5
48°	1282.0	1551.2	1561.8
49°	1307.0	1511.7	1548.5
50°	1304.4	1507.8	1575.6
51°	1306.6	1521.2	1577.0
52°	1303.6	1521.9	1594.6
53°	1290.1	1544.0	1630.2
54°	1290.1	1567.6	1636.1
55°	1300.9	1567.8	1625.4
56°	1309.8	1567.6	1628.1
57°	1313.8	1572.8	1630.6
58°	1316.1	1570.4	1615.5
59°	1314.7	1549.6	1576.6
60°	1312.6	1519.6	1556.5
61°	1294.5	1509.3	1555.1
62°	1279.8	1497.6	1539.4
63°	1269.7	1485.8	1513.0
64°	1266.1	1453.4	1478.5
65°	1250.9	1429.9	1469.0
66°	1229.3	1429.7	1468.9
67°	1219.4	1402.9	1425.9
68°	1208.9	1379.2	1423.6
69°	1189.7	1366.4	1403.9
70°	1175.0	1358.8	1398.9
71°	1161.3	1313.7	1329.3
72°	1128.6	1262.6	1308.6
73°	1084.4	1261.3	1296.1
74°	1075.1	1239.9	1277.2
75°	1059.4	1216.9	1246.9
76°	1033.8	1193.6	1233.4
77°	1014.8	1168.7	1202.3
78°	989.4	1147.9	1181.2
79°	967.7	1130.3	1164.9
80°	940.6	1088.7	1119.7
81°	920.2	1075.4	1110.9
82°	893.6	1040.5	1076.6
83°	864.0	1007.6	1046.9
84°	835.0	980.2	1020.5
85°	814.4	954.5	999.6
86°	785.1	920.8	960.6
87°	762.8	900.8	940.2
88°	735.6	873.5	913.6
89°	711.5	842.2	881.6

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CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	690.2	816.2	854.7
91°	666.1	790.1	826.8
92°	645.8	761.2	801.4
93°	636.7	739.8	776.2
94°	627.2	729.7	764.0
95°	614.5	722.8	759.1
96°	599.9	707.8	745.7
97°	583.4	691.8	728.7
98°	569.5	674.5	709.5
99°	557.6	660.1	694.1
100°	545.2	648.7	684.5
101°	533.1	636.5	672.8
102°	521.1	623.6	658.6
103°	508.8	610.4	645.3
104°	495.6	597.3	631.4
105°	481.3	582.1	617.4
106°	467.0	567.5	603.0
107°	452.6	553.1	588.5
108°	438.7	537.7	572.0
109°	425.0	521.6	555.9
110°	410.9	505.7	538.6
111°	396.9	489.6	522.5
112°	383.7	474.0	505.5
113°	371.2	459.0	489.7
114°	357.6	444.0	474.8
115°	344.3	428.4	459.4
116°	331.4	414.2	443.4
117°	318.5	400.2	428.3
118°	306.9	385.9	413.9
119°	294.6	371.8	399.6
120°	283.2	358.4	384.6
121°	271.3	344.6	370.4
122°	259.6	331.3	356.4
123°	248.3	318.1	342.2
124°	236.8	305.1	328.5
125°	225.8	292.2	315.0
126°	215.0	279.6	301.6
127°	204.2	267.1	288.5
128°	193.8	254.9	275.7
129°	183.6	242.8	263.0
130°	173.1	230.9	250.7
131°	163.1	219.1	238.6
132°	153.1	207.5	226.2
133°	143.2	196.3	214.6
134°	133.5	184.8	202.8

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CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	124.2	174.2	191.5
136°	114.9	163.2	180.0
137°	106.5	152.6	168.6
138°	98.8	141.8	157.9
139°	91.0	131.2	147.0
140°	84.4	120.6	136.3
141°	77.9	110.4	125.6
142°	71.3	100.0	115.1
143°	65.3	90.1	104.5
144°	59.6	81.3	94.0
145°	54.7	72.4	83.8
146°	50.4	64.7	73.7
147°	46.9	58.1	63.6
148°	44.1	52.4	55.1
149°	42.2	48.2	49.3
150°	41.4	46.6	48.2
151°	40.5	46.8	49.1
152°	38.8	45.5	47.5
153°	36.7	43.2	45.2
154°	34.4	40.5	42.5
155°	31.9	37.7	39.7
156°	29.4	34.9	36.9
157°	27.3	32.6	34.5
158°	25.5	30.6	32.4
159°	23.8	28.7	30.3
160°	22.0	26.6	28.2
161°	20.1	24.3	25.8
162°	18.0	22.0	23.3
163°	16.0	19.7	21.0
164°	14.2	17.5	18.7
165°	12.4	15.5	16.6
166°	10.8	13.6	14.6
167°	9.4	11.7	12.6
168°	8.1	10.0	10.8
169°	6.8	8.6	9.1
170°	5.1	7.1	7.5
171°	3.2	5.2	5.9
172°	1.5	3.1	3.8
173°	0.6	1.3	1.8
174°	0.5	0.5	0.5
175°	0.6	0.5	0.5
176°	0.6	0.5	0.5
177°	0.6	0.5	0.5
178°	0.6	0.6	0.5
179°	0.6	0.6	0.5

REPORT NUMBER: P1444949

CATALOG NUMBER: CWP30 (24W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.5	0.5	0.5

(END OF REPORT)