

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: P1444950

Luminaire Tested: CWP30 (24W-5000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444950
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-5000K)
Description: COMPACT WALL PACK, 30W
SET TO 24W, 5000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3129.6 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U3 - G3

Input Watts (W): 24.2
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



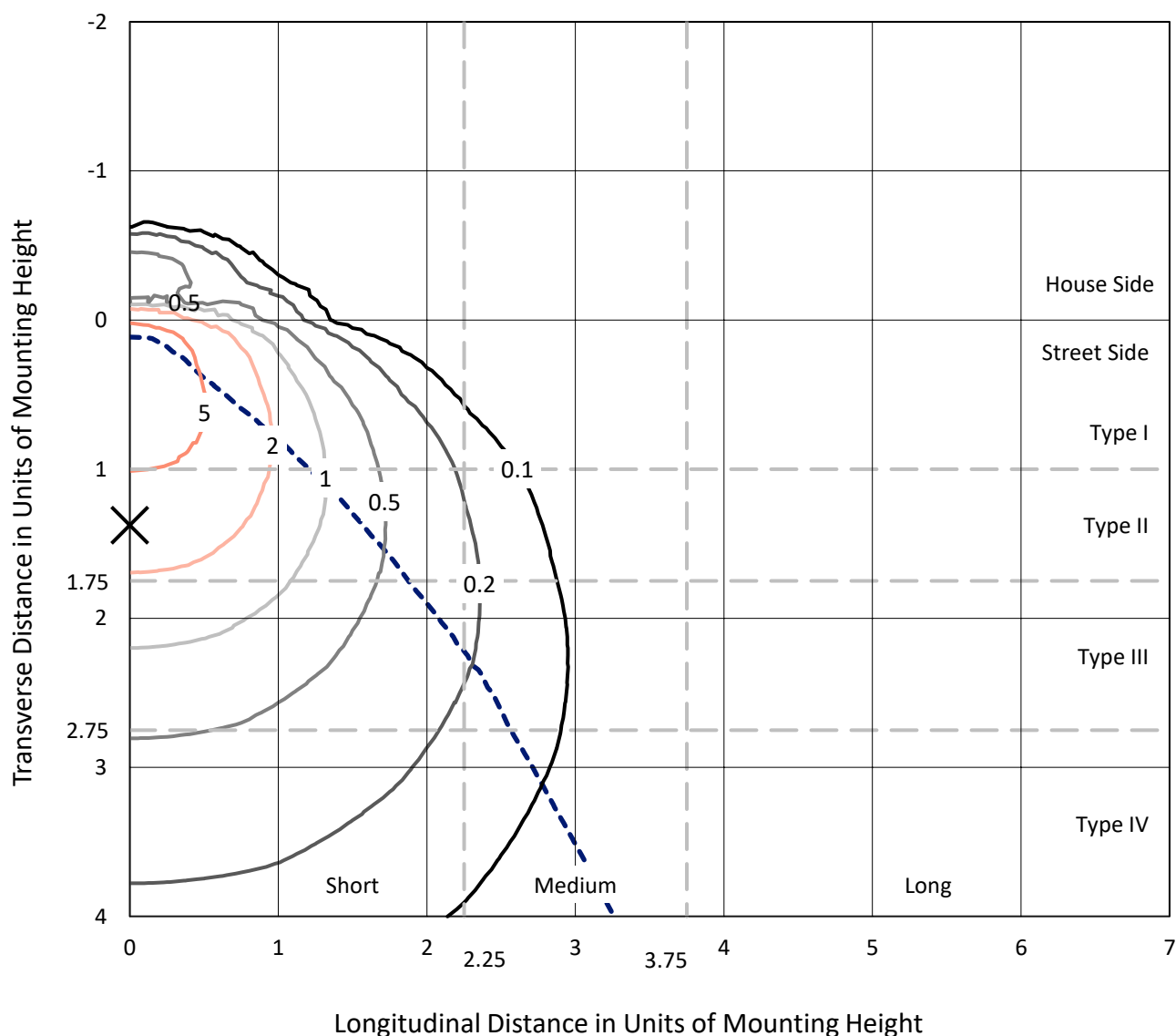
REPORT NUMBER: P1444950

CATALOG NUMBER: CWP30 (24W-5000K)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

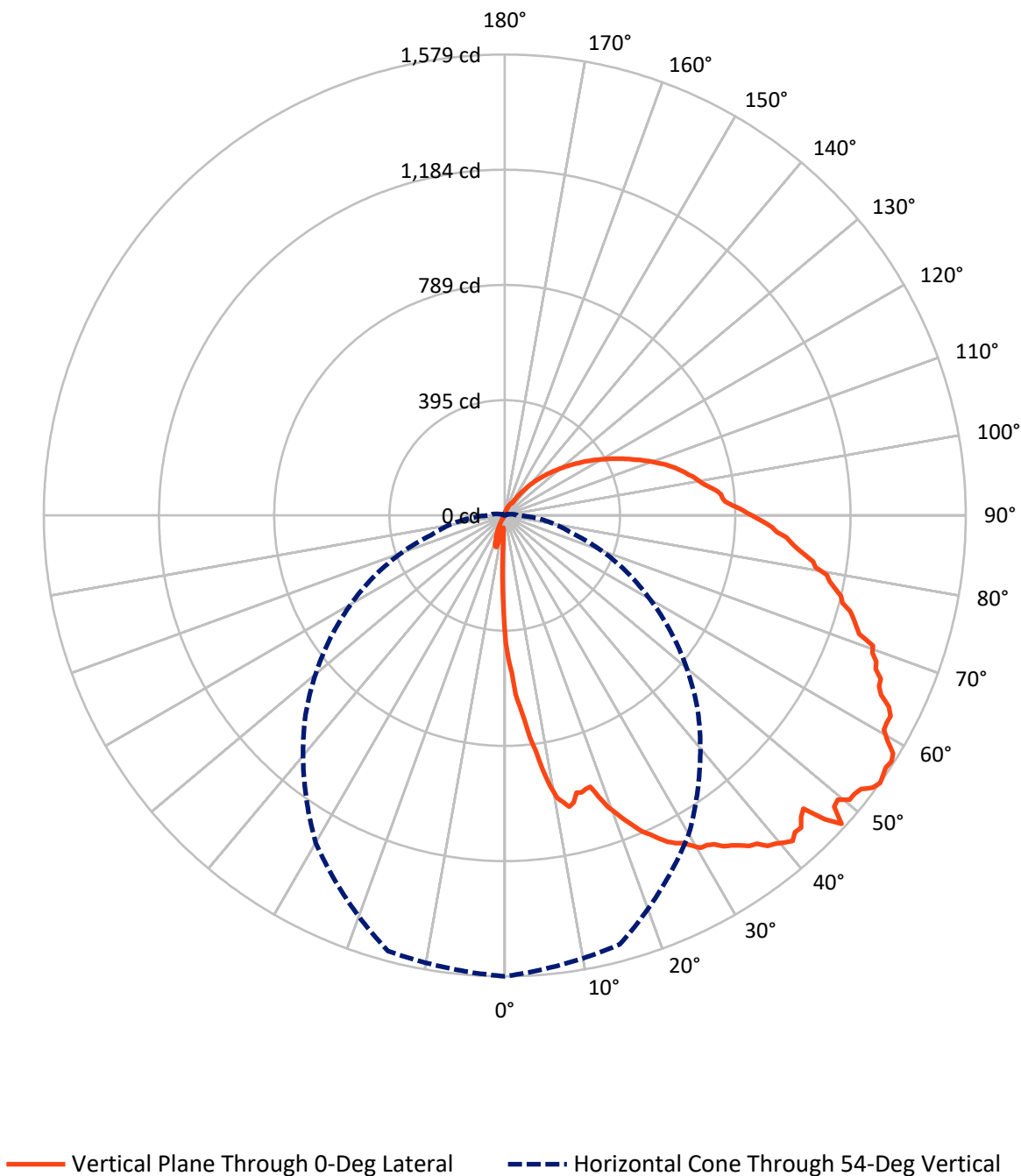


Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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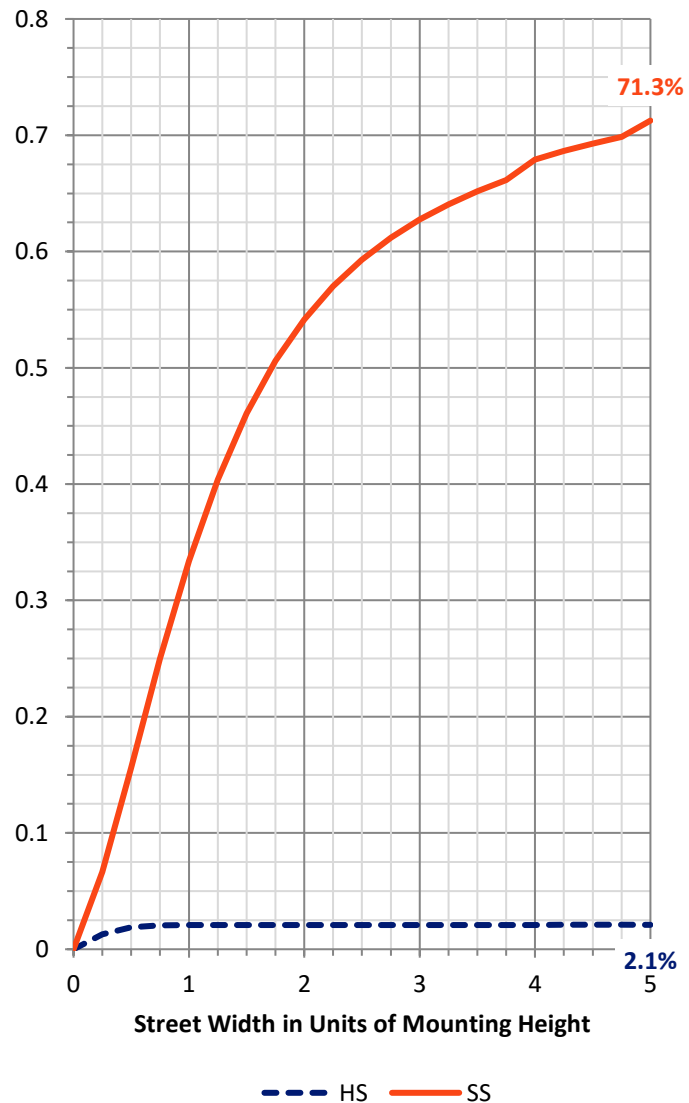
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	66.6	3.0	69.6
	% Fixture	2.1	0.1	2.2
Street Side	Lumens	2450.6	609.4	3060.0
	% Fixture	78.3	19.5	97.8
Total	Lumens	2517.2	612.4	3129.6
	% Fixture	80.4	19.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	1.2
10°-20°	129.2	4.1
20°-30°	217.5	6.9
30°-40°	297.7	9.5
40°-50°	359.5	11.5
50°-60°	405.7	13.0
60°-70°	411.3	13.1
70°-80°	366.8	11.7
80°-90°	290.4	9.3
90°-100°	218.8	7.0
100°-110°	164.7	5.3
110°-120°	110.0	3.5
120°-130°	65.5	2.1
130°-140°	33.4	1.1
140°-150°	13.3	0.4
150°-160°	5.2	0.2
160°-170°	1.4	0.0
170°-180°	0.1	0.0
0°-90°	2517.2	80.4
0°-180°	3129.6	100.0

Coefficient of Utilization



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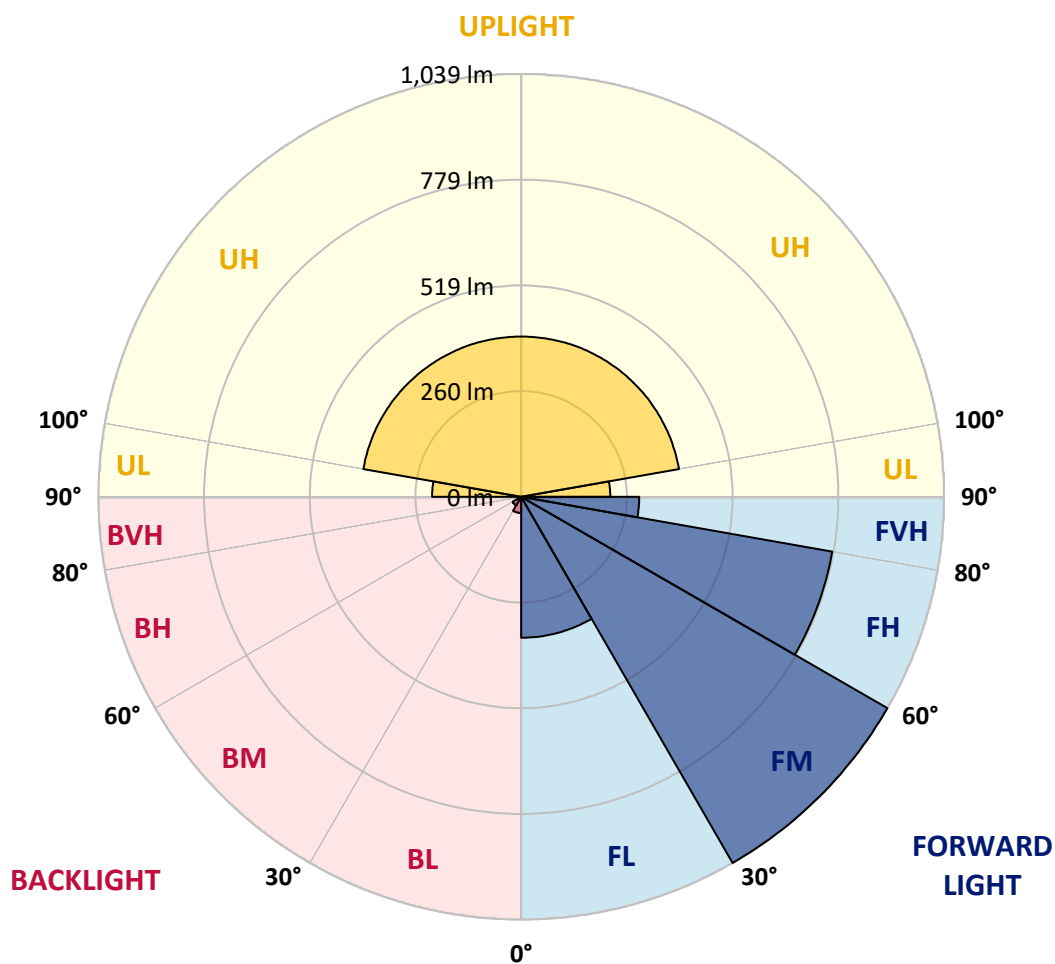
CATALOG NUMBER: CWP30 (24W-5000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	346.1	11.1			
FM	(30°-60°)	1038.6	33.2			
FH	(60°-80°)	775.9	24.8			G1/1800
FVH	(80°-90°)	289.9	9.3			G3/500
BL	(0°-30°)	39.6	1.3	B0/110		
BM	(30°-60°)	24.3	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°)	218.8	7.0		U3/500	
UH	(100°-180°)	393.6	12.6		U3/500	

BUG Rating: B0-U3-G3

Type IV Short



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CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2
1°	493.2	495.7	492.3	486.2	476.9	463.7	424.7	400.1	376.6	358.5	348.0
2°	537.6	538.1	527.4	515.6	499.7	477.6	420.8	372.8	329.6	301.0	274.2
3°	613.7	610.9	588.4	553.4	521.3	493.4	423.3	347.0	290.0	238.0	200.4
4°	656.1	652.3	640.6	610.8	547.3	506.5	426.3	327.6	248.1	175.0	126.9
5°	702.3	695.4	673.7	647.7	591.8	515.9	420.7	305.0	206.2	112.0	67.0
6°	764.9	755.6	727.0	679.0	623.3	517.6	410.5	275.4	164.0	67.9	50.3
7°	813.7	806.3	776.0	712.6	633.3	524.3	405.8	248.4	108.0	51.4	43.7
8°	881.5	861.9	821.4	748.5	648.0	530.6	395.4	227.6	73.2	45.8	41.8
9°	937.4	919.0	877.1	774.4	660.4	543.2	389.6	206.7	56.1	42.3	42.5
10°	983.3	968.8	925.2	806.1	682.2	566.0	392.8	185.8	49.1	41.9	44.2
11°	1001.9	989.0	956.5	839.1	713.5	579.7	387.3	158.7	45.4	43.0	47.6
12°	1021.9	1022.8	974.1	876.3	739.5	579.5	367.3	126.6	42.7	44.4	52.3
13°	1011.4	1027.1	998.8	905.9	753.9	576.0	352.8	102.1	41.7	46.9	59.0
14°	981.3	997.8	1002.4	938.1	751.9	568.4	335.9	81.3	41.3	51.3	70.1
15°	984.5	973.8	981.7	948.1	764.1	559.1	321.9	67.2	42.0	56.5	84.2
16°	977.2	965.4	950.1	954.2	779.3	550.1	314.0	57.0	42.9	63.4	94.7
17°	974.1	972.1	942.9	939.0	784.7	554.3	307.7	51.1	44.6	70.3	105.0
18°	1017.6	982.4	925.5	920.2	792.5	554.7	289.2	46.0	47.0	77.5	109.5
19°	1058.9	1009.3	934.6	888.8	811.4	541.2	278.6	42.2	50.6	82.9	109.2
20°	1088.7	1051.7	948.6	861.4	808.3	538.3	269.8	39.7	53.9	86.9	104.1
21°	1120.6	1090.5	975.0	856.8	793.1	534.2	263.0	37.6	57.3	89.3	98.4
22°	1149.4	1120.0	1007.7	839.2	775.4	537.5	255.5	36.4	60.2	90.0	92.6
23°	1180.2	1153.1	1038.8	840.1	765.0	536.4	249.2	35.9	63.3	89.1	87.2
24°	1200.8	1175.0	1061.5	844.3	749.7	540.5	244.4	35.7	65.7	88.0	79.6
25°	1225.2	1199.8	1083.1	856.8	734.4	528.4	239.5	36.0	67.5	84.1	73.2
26°	1248.5	1219.5	1103.1	873.0	711.1	524.1	235.4	36.9	68.6	79.1	66.7
27°	1265.6	1235.9	1117.5	888.3	686.6	520.8	231.2	38.3	69.2	73.5	60.5
28°	1277.7	1252.0	1123.4	906.2	675.8	520.8	225.0	40.4	68.3	68.4	53.9
29°	1298.9	1270.8	1136.0	921.6	659.9	520.8	218.4	42.4	66.6	62.7	47.8
30°	1321.3	1286.1	1152.1	931.5	643.2	515.2	211.5	43.6	64.6	57.8	41.9
31°	1324.5	1292.2	1169.1	938.4	640.4	505.5	204.6	45.4	62.2	52.3	36.0
32°	1335.6	1296.1	1180.2	937.6	631.3	502.2	197.6	47.0	59.7	46.6	30.3
33°	1359.1	1305.6	1190.1	937.7	634.7	496.4	189.4	47.8	56.4	41.6	25.2
34°	1371.0	1322.2	1198.5	936.0	635.3	480.6	180.6	48.5	53.1	37.3	21.5
35°	1388.3	1338.8	1207.0	932.2	639.6	476.2	169.7	49.2	49.4	32.9	17.9
36°	1408.5	1355.5	1216.5	928.4	640.9	458.8	162.2	49.4	46.1	28.9	14.2
37°	1417.9	1369.9	1228.4	930.2	642.9	444.7	156.0	48.9	42.7	25.0	11.7
38°	1446.9	1387.0	1239.1	929.9	638.7	436.5	148.8	47.9	39.2	21.7	9.9
39°	1456.8	1404.5	1243.4	925.2	637.1	426.8	136.9	46.7	36.2	18.4	8.5
40°	1473.9	1419.1	1251.4	927.0	632.2	418.4	129.4	45.2	32.9	15.2	7.0
41°	1488.1	1432.8	1258.0	926.3	627.3	399.5	122.5	43.2	29.8	12.7	5.3
42°	1471.2	1439.8	1263.8	926.9	622.7	385.7	116.9	40.8	26.7	10.4	4.1
43°	1475.0	1436.3	1273.3	929.7	619.0	370.8	110.7	38.0	24.0	8.4	3.3
44°	1447.9	1431.8	1270.3	930.8	613.9	355.3	105.8	35.2	21.6	6.9	2.7

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CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1433.5	1413.4	1264.0	931.9	610.5	342.1	100.0	32.7	19.2	5.6	0.4
46°	1511.8	1415.5	1258.9	938.9	609.0	329.3	93.5	30.6	16.7	4.3	0.3
47°	1564.0	1484.1	1238.1	937.5	606.5	313.9	86.4	28.2	14.6	3.0	0.3
48°	1506.1	1506.9	1241.5	932.1	603.3	301.3	81.4	26.1	12.5	2.0	0.3
49°	1499.8	1472.6	1273.0	932.3	600.9	289.4	75.3	23.9	10.5	1.5	0.3
50°	1530.5	1467.6	1276.5	925.9	597.2	277.9	67.4	22.0	8.9	0.8	0.3
51°	1531.0	1482.3	1269.8	921.9	593.1	267.1	60.7	20.1	7.4	0.3	0.4
52°	1539.0	1483.7	1275.3	934.0	587.8	257.2	54.4	18.3	6.1	0.3	0.4
53°	1567.6	1496.3	1273.0	940.5	578.7	249.3	48.4	16.6	5.0	0.3	0.4
54°	1578.7	1521.0	1260.7	932.9	574.2	241.0	43.6	15.1	3.9	0.3	0.4
55°	1571.4	1529.1	1265.2	930.0	563.5	234.5	38.4	13.6	2.9	0.3	0.4
56°	1564.7	1528.0	1270.0	928.3	557.7	227.1	34.2	12.1	2.0	0.3	0.4
57°	1569.7	1527.0	1281.6	923.0	551.1	219.1	30.1	10.8	1.2	0.3	0.5
58°	1559.7	1531.2	1286.9	922.0	543.3	212.4	27.5	9.5	0.7	0.4	0.5
59°	1521.9	1519.1	1284.0	920.8	532.5	205.3	25.1	8.4	0.4	0.4	0.5
60°	1492.3	1489.6	1284.5	921.8	524.6	200.4	23.2	7.3	0.3	0.4	0.5
61°	1488.5	1474.4	1278.1	919.5	515.9	195.2	21.5	6.4	0.3	0.4	0.6
62°	1489.6	1466.4	1254.6	916.3	505.8	189.1	19.8	5.6	0.3	0.4	0.6
63°	1469.6	1467.1	1240.5	906.2	498.7	184.1	18.1	4.8	0.3	0.4	0.6
64°	1427.4	1440.1	1233.2	891.4	491.0	178.4	16.8	4.1	0.3	0.5	0.6
65°	1409.0	1405.6	1232.0	882.8	483.5	173.6	15.6	3.4	0.3	0.5	0.7
66°	1404.7	1396.2	1212.8	872.5	475.2	168.9	14.5	2.8	0.3	0.5	0.7
67°	1375.2	1382.8	1191.5	866.8	466.8	164.5	13.4	2.3	0.3	0.5	0.7
68°	1367.3	1359.1	1179.2	853.3	453.6	159.5	12.3	1.8	0.3	0.5	0.7
69°	1343.9	1345.8	1168.4	836.3	443.9	154.9	11.2	1.4	0.3	0.6	0.7
70°	1337.9	1334.9	1151.9	828.8	436.0	150.2	10.1	1.0	0.4	0.6	0.8
71°	1280.2	1301.1	1140.6	817.2	425.5	144.7	9.0	0.6	0.4	0.6	0.8
72°	1263.0	1246.3	1123.4	804.6	412.7	139.4	8.0	0.4	0.4	0.6	0.8
73°	1245.8	1244.8	1068.7	792.9	404.5	135.0	6.9	0.4	0.4	0.6	0.8
74°	1227.4	1216.6	1052.7	777.9	392.6	129.8	6.0	0.3	0.4	0.6	0.9
75°	1194.4	1200.5	1036.1	753.6	383.7	124.8	5.1	0.3	0.4	0.7	0.9
76°	1184.0	1170.9	1021.7	736.2	372.0	120.4	4.3	0.2	0.4	0.7	0.9
77°	1159.0	1150.8	993.3	720.5	356.9	116.0	3.5	0.2	0.4	0.7	0.9
78°	1136.0	1131.2	974.7	703.8	345.2	110.3	2.9	0.2	0.4	0.7	1.0
79°	1122.1	1109.2	953.4	686.0	332.6	105.1	2.3	0.2	0.5	0.7	1.0
80°	1079.5	1073.0	934.8	671.1	322.7	100.6	1.9	0.2	0.5	0.8	1.0
81°	1067.6	1060.4	899.5	655.2	311.3	96.0	1.5	0.2	0.5	0.8	1.0
82°	1037.6	1026.1	885.4	629.3	299.7	92.3	1.2	0.2	0.5	0.8	1.1
83°	1008.6	995.8	852.0	612.4	289.2	88.0	0.9	0.2	0.5	0.8	1.1
84°	986.8	967.2	826.1	590.7	275.8	83.8	0.7	0.3	0.5	0.8	1.1
85°	967.9	945.0	803.3	569.2	266.2	79.5	0.5	0.3	0.5	0.8	1.1
86°	934.3	906.5	771.5	548.1	256.5	76.1	0.3	0.3	0.5	0.8	1.1
87°	916.3	889.2	751.2	531.2	248.2	73.2	0.2	0.3	0.5	0.9	1.1
88°	887.4	861.8	724.6	511.8	240.4	70.7	0.1	0.3	0.6	0.9	1.2
89°	859.9	834.5	698.3	495.8	234.6	69.0	0.1	0.3	0.6	0.9	1.2

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CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	832.6	807.8	676.0	482.5	229.6	67.1	0.1	0.3	0.6	0.9	1.2
91°	808.7	779.1	653.0	469.9	225.7	65.6	0.1	0.3	0.6	0.9	1.2
92°	781.0	749.7	630.6	459.8	221.5	63.5	0.1	0.3	0.6	0.9	1.2
93°	757.8	725.9	618.6	451.8	215.8	60.7	0.1	0.3	0.6	1.0	1.2
94°	748.0	715.6	610.0	443.8	210.2	58.2	0.1	0.3	0.6	1.0	1.3
95°	744.3	709.3	600.2	432.7	203.6	55.6	0.1	0.3	0.6	1.0	1.3
96°	732.1	694.5	586.1	420.7	195.2	53.0	0.1	0.3	0.6	1.0	1.3
97°	715.1	678.6	570.8	406.9	188.5	50.9	0.1	0.3	0.7	1.0	1.3
98°	697.2	661.1	555.2	395.4	183.0	49.0	0.1	0.3	0.7	1.0	1.3
99°	682.2	645.8	542.2	384.9	177.4	47.2	0.1	0.4	0.7	1.0	1.3
100°	671.2	634.5	531.3	374.3	171.8	45.5	0.1	0.4	0.7	1.0	1.3
101°	659.8	623.0	518.8	363.1	166.0	43.8	0.1	0.4	0.7	1.0	1.3
102°	645.6	609.2	506.8	352.7	161.2	42.2	0.1	0.4	0.7	1.0	1.3
103°	632.9	597.0	494.9	340.1	154.5	40.3	0.2	0.4	0.7	1.0	1.4
104°	620.4	583.7	481.5	328.0	148.3	38.6	0.2	0.4	0.7	1.1	1.4
105°	606.6	569.7	468.5	315.9	142.6	36.9	0.2	0.4	0.7	1.1	1.4
106°	592.1	555.6	454.4	304.1	136.7	35.3	0.2	0.4	0.7	1.1	1.4
107°	577.5	540.8	440.4	292.4	131.1	33.7	0.2	0.4	0.7	1.1	1.4
108°	561.2	525.7	426.5	280.8	125.7	32.3	0.2	0.4	0.7	1.0	1.4
109°	545.4	510.2	412.8	269.6	120.7	30.9	0.2	0.4	0.7	1.0	1.3
110°	529.1	494.4	399.5	258.4	115.7	29.6	0.2	0.4	0.7	1.1	1.3
111°	512.7	477.8	385.5	247.6	110.8	28.4	0.2	0.4	0.7	1.1	1.4
112°	496.6	462.9	372.6	236.7	105.9	27.2	0.2	0.4	0.7	1.0	1.3
113°	480.4	447.6	359.6	226.5	101.0	26.0	0.2	0.4	0.7	1.0	1.3
114°	465.9	433.5	346.4	216.5	96.2	24.7	0.2	0.4	0.7	1.0	1.3
115°	450.4	419.3	333.9	206.4	91.9	23.5	0.2	0.4	0.7	1.0	1.3
116°	435.4	404.8	321.6	197.0	87.6	22.4	0.2	0.4	0.7	1.0	1.3
117°	420.2	390.9	309.6	188.1	83.4	21.3	0.2	0.4	0.7	1.0	1.3
118°	405.4	376.6	297.2	179.7	79.1	20.1	0.2	0.4	0.7	1.0	1.2
119°	391.4	362.7	285.6	171.2	75.3	19.0	0.2	0.4	0.7	1.0	1.2
120°	377.1	349.8	273.9	162.5	71.6	17.7	0.2	0.4	0.7	1.0	1.2
121°	363.8	336.4	262.8	154.2	68.2	16.5	0.2	0.4	0.7	1.0	1.2
122°	349.5	323.0	251.2	146.6	64.7	15.6	0.2	0.4	0.7	1.0	1.2
123°	336.2	310.5	240.0	139.5	61.4	15.2	0.2	0.4	0.7	1.0	1.2
124°	322.8	297.4	229.3	132.6	57.9	14.7	0.2	0.4	0.7	1.0	1.2
125°	308.8	284.7	218.6	126.0	54.6	14.2	0.2	0.4	0.7	1.0	1.2
126°	296.1	272.4	208.0	119.7	51.5	13.6	0.2	0.4	0.7	1.0	1.2
127°	282.8	260.3	197.5	113.8	48.9	13.1	0.2	0.5	0.7	1.0	1.2
128°	270.4	248.6	187.0	107.7	46.7	12.8	0.3	0.5	0.7	1.0	1.2
129°	257.7	236.6	177.3	102.0	44.6	12.6	0.3	0.5	0.7	1.0	1.2
130°	245.5	225.0	167.4	96.5	42.8	12.4	0.3	0.5	0.7	1.0	1.2
131°	233.9	213.7	157.5	90.8	41.0	12.4	0.3	0.5	0.7	1.0	1.2
132°	221.6	202.1	148.0	85.5	39.2	12.2	0.3	0.5	0.8	1.0	1.2
133°	210.2	191.1	138.7	80.2	37.2	11.7	0.3	0.5	0.8	1.0	1.2
134°	199.0	179.9	129.3	74.9	34.9	10.9	0.3	0.5	0.8	1.0	1.2

REPORT NUMBER: P1444950

CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	188.0	169.4	120.5	69.8	32.6	10.0	0.3	0.5	0.8	1.0	1.2
136°	176.6	158.6	111.9	65.0	30.8	9.4	0.3	0.5	0.8	1.0	1.2
137°	165.9	148.3	104.0	60.7	29.2	8.8	0.4	0.6	0.8	1.0	1.2
138°	155.1	138.1	96.6	56.9	27.9	8.5	0.4	0.6	0.8	1.0	1.2
139°	144.2	127.6	89.8	53.6	26.6	8.2	0.4	0.6	0.8	1.0	1.2
140°	133.6	117.6	83.1	50.5	25.6	7.8	0.4	0.6	0.8	1.0	1.2
141°	123.1	107.4	76.5	47.6	24.8	7.4	0.4	0.6	0.8	1.0	1.2
142°	112.6	97.5	70.5	44.9	24.2	6.9	0.4	0.6	0.8	1.0	1.2
143°	102.3	88.7	64.8	42.7	23.7	6.5	0.5	0.6	0.8	1.0	1.2
144°	92.3	80.0	59.4	40.8	23.2	6.0	0.5	0.7	0.9	1.0	1.2
145°	82.4	71.3	54.6	39.2	22.6	5.6	0.5	0.7	0.9	1.0	1.2
146°	72.6	63.9	50.5	37.7	21.9	5.2	0.5	0.7	0.9	1.0	1.2
147°	62.8	57.5	47.1	36.3	20.7	4.7	0.5	0.7	0.9	1.0	1.2
148°	54.4	52.0	44.0	35.2	19.4	4.2	0.6	0.7	0.9	1.0	1.2
149°	48.6	47.8	41.7	34.2	18.2	3.8	0.6	0.7	0.9	1.0	1.2
150°	47.3	45.4	40.5	32.7	17.3	3.5	0.6	0.7	0.9	1.0	1.2
151°	48.3	45.4	39.7	30.9	16.4	3.2	0.6	0.7	0.9	1.0	1.1
152°	46.8	44.6	38.1	29.0	15.4	2.9	0.6	0.7	0.9	1.0	1.1
153°	44.4	42.5	36.1	27.2	14.4	2.5	0.6	0.8	0.9	1.0	1.1
154°	41.9	39.9	34.1	25.4	13.4	2.1	0.7	0.8	0.9	1.0	1.1
155°	39.1	37.2	31.7	23.4	12.5	1.7	0.7	0.8	0.9	1.0	1.0
156°	36.4	34.5	29.3	21.7	11.6	1.3	0.7	0.8	0.9	0.9	1.0
157°	34.0	32.1	27.0	20.0	10.7	0.9	0.7	0.8	0.9	0.9	1.0
158°	31.9	30.1	25.1	18.3	9.8	0.7	0.7	0.8	0.9	0.9	1.0
159°	29.8	28.1	23.4	16.7	8.9	0.7	0.7	0.8	0.9	0.9	1.0
160°	27.7	26.2	21.8	15.3	8.0	0.7	0.8	0.8	0.9	0.9	0.9
161°	25.4	24.0	20.0	13.9	7.2	0.7	0.8	0.8	0.9	0.9	0.9
162°	23.0	21.8	18.0	12.5	6.4	0.7	0.8	0.8	0.9	0.9	0.9
163°	20.7	19.6	16.1	11.0	5.3	0.7	0.8	0.8	0.8	0.9	0.9
164°	18.5	17.4	14.3	9.9	4.3	0.7	0.8	0.8	0.8	0.9	0.8
165°	16.4	15.4	12.5	8.7	3.3	0.7	0.8	0.8	0.8	0.8	0.8
166°	14.4	13.5	10.9	7.6	2.3	0.7	0.8	0.8	0.8	0.8	0.8
167°	12.4	11.7	9.6	6.5	1.5	0.7	0.8	0.8	0.8	0.8	0.8
168°	10.6	10.0	8.3	5.2	0.9	0.8	0.8	0.8	0.8	0.8	0.8
169°	9.0	8.6	7.0	3.8	0.7	0.8	0.8	0.8	0.8	0.8	0.8
170°	7.4	7.2	5.5	2.4	0.7	0.7	0.8	0.8	0.8	0.8	0.7
171°	5.9	5.4	3.7	1.2	0.7	0.7	0.8	0.8	0.8	0.8	0.7
172°	3.8	3.4	1.9	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.7
173°	1.8	1.5	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	0.7	0.7
177°	0.5	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.7	0.7
178°	0.5	0.5	0.5	0.6	0.6	0.7	0.8	0.8	0.8	0.7	0.7
179°	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.8	0.7	0.7



REPORT NUMBER: P1444950
CATALOG NUMBER: CWP30 (24W-5000K)

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: P1444950

CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2	437.2
1°	342.6	343.4	348.3	361.5	380.5	402.7	425.2	421.3	443.0	459.7	472.1
2°	260.1	258.1	266.2	288.5	320.0	359.5	409.8	428.6	467.2	491.6	508.8
3°	177.5	172.8	184.0	218.3	261.9	315.9	383.5	429.1	483.8	511.2	545.8
4°	95.0	88.6	102.0	148.2	203.7	275.6	359.8	427.4	493.6	539.7	601.7
5°	55.6	54.2	57.8	75.2	145.4	234.5	331.8	423.0	497.7	573.8	647.1
6°	45.8	45.1	46.7	52.7	82.7	193.4	309.4	420.6	506.0	606.2	665.1
7°	42.1	42.2	42.5	45.4	57.0	152.0	287.1	417.3	513.7	630.3	699.9
8°	42.7	43.0	42.6	42.3	48.3	102.8	263.0	413.0	523.5	642.6	740.4
9°	44.2	45.1	44.3	42.8	44.0	72.1	241.2	412.0	543.8	658.1	777.6
10°	47.4	48.7	47.4	44.1	42.4	56.7	220.5	410.6	561.5	685.3	801.7
11°	52.3	53.6	52.3	47.2	42.9	50.2	199.8	404.9	578.3	714.2	842.2
12°	59.0	60.4	59.4	52.0	44.1	46.4	179.0	390.6	576.2	740.9	884.1
13°	72.9	78.1	71.7	58.0	46.0	43.1	154.4	373.4	577.0	756.8	920.0
14°	91.4	97.3	90.9	67.0	49.6	41.3	131.1	366.2	567.4	757.3	944.4
15°	107.6	111.9	105.4	79.0	54.4	41.1	108.7	355.0	559.9	773.1	952.9
16°	114.2	112.8	114.6	90.5	60.6	41.8	88.2	344.6	556.2	790.4	972.8
17°	110.2	109.3	111.8	100.0	67.3	43.3	73.3	340.6	558.4	793.6	942.1
18°	110.3	108.1	108.5	107.6	73.5	44.9	60.5	327.0	569.8	811.0	930.8
19°	108.1	103.5	107.9	108.8	79.0	47.0	51.9	312.7	561.2	812.0	889.6
20°	100.1	95.9	101.9	104.3	83.2	50.1	46.7	303.1	551.8	811.7	871.5
21°	91.4	86.3	91.8	100.6	86.2	54.0	43.0	296.7	550.9	810.6	857.6
22°	85.3	78.3	88.6	93.9	87.8	57.5	40.0	289.0	552.4	795.9	852.3
23°	76.6	72.6	77.8	88.4	86.7	60.4	38.0	280.9	551.5	775.9	842.0
24°	70.2	65.8	72.2	82.1	85.4	62.9	36.3	274.9	550.2	758.6	858.5
25°	65.2	60.0	67.6	75.4	83.4	64.8	35.3	268.7	553.7	739.1	873.6
26°	59.3	54.3	58.9	68.4	79.8	66.0	35.1	262.6	545.6	713.2	892.4
27°	52.8	48.8	54.4	62.2	75.0	66.8	35.4	255.7	548.2	693.6	914.3
28°	47.9	41.8	46.9	55.5	69.8	66.8	36.0	249.9	549.8	685.0	931.3
29°	40.4	34.6	41.0	49.1	64.7	65.9	36.4	244.9	546.9	667.0	943.9
30°	34.3	28.3	33.2	43.6	59.9	64.1	37.5	235.8	545.8	663.1	954.5
31°	29.2	22.1	28.4	37.7	54.7	62.0	38.9	226.3	540.5	655.2	960.1
32°	24.1	16.0	23.6	32.0	49.4	59.8	40.1	218.2	530.8	657.6	959.0
33°	19.0	14.7	18.9	26.9	44.3	56.8	40.6	212.8	516.9	661.0	958.2
34°	13.9	13.2	14.1	23.1	39.8	54.0	41.6	206.8	505.6	667.6	954.7
35°	11.6	11.7	11.9	19.4	35.2	50.6	42.6	196.0	499.9	672.0	954.0
36°	10.2	10.6	10.1	15.6	31.0	47.2	43.1	186.7	485.7	672.4	955.9
37°	9.2	7.9	9.1	12.9	27.2	43.5	42.6	179.7	464.8	670.2	954.0
38°	7.2	7.0	7.3	10.5	23.7	40.1	41.9	173.7	448.9	666.3	955.1
39°	6.2	6.2	6.1	8.5	20.2	36.9	41.1	164.6	435.4	661.8	951.1
40°	5.4	5.3	5.2	7.2	16.7	33.7	40.1	156.0	424.4	658.3	950.2
41°	4.5	0.9	4.5	5.8	14.1	31.0	38.8	148.5	408.0	655.6	953.4
42°	0.6	0.3	0.9	4.4	11.9	28.1	37.0	144.1	387.8	650.1	958.5
43°	0.3	0.3	0.3	3.3	9.8	25.3	35.2	136.3	375.9	645.5	960.4
44°	0.3	0.3	0.3	2.7	7.9	22.8	33.4	131.6	366.9	645.0	964.1

REPORT NUMBER: P1444950

CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.3	0.3	0.3	1.1	6.4	20.3	31.8	125.5	354.9	641.6	968.0
46°	0.3	0.4	0.3	0.3	5.1	17.9	29.9	115.6	343.0	639.4	969.0
47°	0.3	0.4	0.4	0.3	3.8	15.9	28.1	109.2	330.8	639.7	966.5
48°	0.4	0.4	0.4	0.3	2.5	14.0	26.2	100.6	318.3	637.5	965.7
49°	0.4	0.4	0.4	0.3	1.6	12.0	24.5	92.8	307.6	636.6	959.0
50°	0.4	0.4	0.4	0.4	1.2	10.2	22.7	85.2	297.4	631.5	955.7
51°	0.4	0.4	0.4	0.4	0.4	8.6	20.8	77.6	288.6	627.4	963.0
52°	0.4	0.5	0.4	0.4	0.3	7.3	19.0	70.0	278.0	622.0	970.8
53°	0.5	0.5	0.5	0.4	0.3	6.0	17.1	62.7	269.8	616.5	968.2
54°	0.5	0.5	0.5	0.4	0.3	4.8	15.5	57.7	261.8	608.3	964.5
55°	0.5	0.5	0.5	0.4	0.3	3.7	14.0	51.6	253.2	604.7	958.5
56°	0.5	0.6	0.5	0.5	0.3	2.8	12.5	46.3	243.8	595.2	955.5
57°	0.5	0.6	0.6	0.5	0.4	2.0	11.2	42.5	237.6	586.8	954.0
58°	0.6	0.6	0.6	0.5	0.4	1.2	9.8	40.4	230.4	578.4	956.4
59°	0.6	0.6	0.6	0.5	0.4	0.8	8.6	37.9	224.5	570.4	961.8
60°	0.6	0.7	0.6	0.5	0.4	0.4	7.5	34.5	219.0	561.6	956.9
61°	0.6	0.7	0.7	0.6	0.4	0.3	6.6	32.6	212.2	551.3	953.5
62°	0.7	0.7	0.7	0.6	0.4	0.3	5.8	30.9	206.0	545.2	949.0
63°	0.7	0.7	0.7	0.6	0.5	0.3	5.1	29.3	201.2	536.5	938.2
64°	0.7	0.8	0.7	0.6	0.5	0.3	4.5	27.8	195.7	528.6	926.2
65°	0.8	0.8	0.8	0.7	0.5	0.3	3.9	26.4	190.9	519.9	916.3
66°	0.8	0.8	0.8	0.7	0.5	0.3	3.3	24.9	186.2	510.1	911.3
67°	0.8	0.9	0.8	0.7	0.5	0.3	2.7	23.5	181.0	498.5	901.4
68°	0.8	0.9	0.9	0.7	0.5	0.3	2.2	22.0	176.3	486.1	882.2
69°	0.9	0.9	0.9	0.7	0.6	0.3	1.8	20.5	170.7	477.3	871.6
70°	0.9	1.0	0.9	0.8	0.6	0.4	1.4	19.1	165.3	467.1	862.7
71°	0.9	1.0	0.9	0.8	0.6	0.4	1.0	17.7	159.7	455.5	851.5
72°	1.0	1.0	1.0	0.8	0.6	0.4	0.7	16.3	154.6	444.4	839.6
73°	1.0	1.0	1.0	0.8	0.6	0.4	0.5	15.0	149.2	434.0	827.4
74°	1.0	1.1	1.0	0.9	0.6	0.4	0.4	13.7	143.5	423.8	804.3
75°	1.0	1.1	1.0	0.9	0.7	0.4	0.3	12.5	138.5	412.4	784.4
76°	1.1	1.1	1.1	0.9	0.7	0.4	0.3	11.3	133.4	395.6	767.2
77°	1.1	1.2	1.1	0.9	0.7	0.4	0.3	10.1	127.9	383.3	753.4
78°	1.1	1.2	1.1	1.0	0.7	0.4	0.2	9.0	122.1	371.2	735.6
79°	1.2	1.2	1.2	1.0	0.7	0.4	0.2	7.8	116.6	358.9	719.5
80°	1.2	1.2	1.2	1.0	0.7	0.4	0.2	6.8	111.4	346.5	703.6
81°	1.2	1.3	1.2	1.0	0.7	0.5	0.2	5.7	106.9	335.4	678.4
82°	1.2	1.3	1.2	1.0	0.8	0.5	0.2	4.8	102.1	322.3	662.4
83°	1.2	1.3	1.2	1.0	0.8	0.5	0.2	3.8	97.5	309.5	639.0
84°	1.3	1.3	1.2	1.1	0.8	0.5	0.2	2.9	92.9	297.3	616.5
85°	1.3	1.3	1.3	1.1	0.8	0.5	0.2	2.0	89.1	286.9	597.0
86°	1.3	1.3	1.3	1.1	0.8	0.5	0.3	1.4	86.5	277.0	576.7
87°	1.3	1.4	1.3	1.1	0.8	0.5	0.3	0.8	83.8	268.6	555.6
88°	1.3	1.4	1.3	1.1	0.8	0.5	0.3	0.5	81.2	262.0	536.8
89°	1.4	1.4	1.3	1.1	0.8	0.5	0.3	0.3	79.4	257.2	522.5

REPORT NUMBER: P1444950

CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	1.4	1.4	1.4	1.2	0.9	0.5	0.3	0.2	77.7	253.0	508.7
91°	1.4	1.5	1.4	1.2	0.9	0.5	0.3	0.2	75.5	248.8	496.2
92°	1.4	1.5	1.4	1.2	0.9	0.6	0.3	0.1	72.2	242.6	487.4
93°	1.4	1.5	1.4	1.2	0.9	0.6	0.3	0.1	69.0	236.1	478.7
94°	1.5	1.5	1.4	1.2	0.9	0.6	0.3	0.1	66.0	228.5	467.2
95°	1.5	1.5	1.5	1.2	0.9	0.6	0.3	0.1	63.1	220.0	454.9
96°	1.5	1.5	1.5	1.2	0.9	0.6	0.3	0.1	60.6	212.2	441.1
97°	1.5	1.6	1.5	1.3	0.9	0.6	0.3	0.1	58.2	205.8	427.8
98°	1.5	1.6	1.5	1.3	0.9	0.6	0.3	0.1	56.1	199.7	416.8
99°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	0.1	54.0	193.4	405.6
100°	1.5	1.6	1.5	1.3	1.0	0.6	0.3	0.1	51.9	187.6	394.1
101°	1.6	1.6	1.5	1.3	1.0	0.6	0.3	0.1	50.1	181.6	382.8
102°	1.6	1.6	1.5	1.3	1.0	0.6	0.4	0.1	47.9	174.7	370.4
103°	1.6	1.6	1.6	1.3	1.0	0.6	0.4	0.1	45.7	167.5	357.8
104°	1.6	1.7	1.6	1.3	1.0	0.7	0.4	0.1	43.6	160.8	344.6
105°	1.6	1.7	1.6	1.3	1.0	0.7	0.4	0.1	41.7	154.4	331.4
106°	1.6	1.6	1.6	1.3	1.0	0.7	0.4	0.1	39.7	148.2	319.0
107°	1.6	1.6	1.6	1.3	1.0	0.7	0.4	0.1	38.0	142.1	306.9
108°	1.6	1.6	1.6	1.3	1.0	0.7	0.4	0.1	36.4	136.5	294.9
109°	1.6	1.6	1.5	1.3	1.0	0.7	0.4	0.1	34.9	130.7	282.6
110°	1.6	1.6	1.6	1.3	1.0	0.7	0.4	0.1	33.4	125.5	271.1
111°	1.6	1.6	1.6	1.3	1.0	0.7	0.4	0.1	31.9	120.1	259.4
112°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	30.4	114.7	248.1
113°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	28.9	109.1	237.1
114°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	27.6	104.0	226.3
115°	1.5	1.6	1.5	1.3	1.0	0.7	0.4	0.1	26.2	99.1	216.2
116°	1.5	1.5	1.5	1.3	1.0	0.7	0.4	0.1	25.0	94.4	206.0
117°	1.5	1.5	1.5	1.3	1.0	0.7	0.4	0.1	23.7	89.9	196.9
118°	1.4	1.5	1.4	1.3	1.0	0.7	0.4	0.1	22.4	85.4	188.1
119°	1.4	1.5	1.4	1.2	1.0	0.7	0.4	0.1	21.1	80.9	178.9
120°	1.4	1.5	1.4	1.3	1.0	0.7	0.4	0.1	19.7	76.8	169.7
121°	1.4	1.5	1.4	1.3	1.0	0.7	0.5	0.1	18.5	72.8	161.2
122°	1.4	1.5	1.4	1.3	1.0	0.7	0.5	0.1	17.6	68.8	153.3
123°	1.4	1.5	1.4	1.3	1.0	0.7	0.5	0.1	17.1	64.8	145.8
124°	1.4	1.5	1.4	1.3	1.0	0.7	0.5	0.1	16.4	61.1	138.7
125°	1.4	1.5	1.4	1.3	1.0	0.8	0.5	0.1	15.8	57.8	131.6
126°	1.4	1.5	1.4	1.3	1.0	0.8	0.5	0.2	15.1	54.7	125.3
127°	1.4	1.5	1.4	1.3	1.0	0.8	0.5	0.2	14.6	52.0	118.9
128°	1.4	1.5	1.4	1.3	1.1	0.8	0.5	0.2	14.4	49.6	112.6
129°	1.4	1.5	1.4	1.3	1.1	0.8	0.6	0.2	14.2	47.5	106.8
130°	1.4	1.5	1.4	1.3	1.1	0.8	0.6	0.2	14.1	45.4	101.2
131°	1.4	1.5	1.4	1.3	1.1	0.8	0.6	0.2	14.0	43.3	95.5
132°	1.4	1.5	1.5	1.3	1.1	0.9	0.6	0.2	13.4	41.1	89.7
133°	1.4	1.5	1.5	1.3	1.1	0.9	0.6	0.2	12.5	38.6	83.8
134°	1.4	1.5	1.4	1.3	1.1	0.9	0.6	0.2	11.5	36.1	77.9

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CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	1.4	1.5	1.4	1.3	1.1	0.9	0.6	0.2	10.5	34.0	72.2
136°	1.4	1.5	1.4	1.3	1.1	0.9	0.7	0.2	10.1	32.2	67.1
137°	1.4	1.5	1.4	1.3	1.1	0.9	0.7	0.2	9.7	30.6	62.8
138°	1.4	1.5	1.4	1.3	1.1	0.9	0.7	0.3	9.3	29.2	59.0
139°	1.4	1.5	1.4	1.3	1.1	0.9	0.7	0.3	8.9	27.9	55.6
140°	1.4	1.4	1.4	1.3	1.1	0.9	0.7	0.3	8.4	26.8	52.5
141°	1.4	1.4	1.4	1.3	1.2	0.9	0.7	0.3	7.9	26.0	49.4
142°	1.4	1.4	1.4	1.3	1.2	1.0	0.7	0.3	7.4	25.5	46.6
143°	1.4	1.4	1.4	1.3	1.2	1.0	0.8	0.3	6.9	25.0	44.3
144°	1.3	1.4	1.4	1.3	1.2	1.0	0.8	0.3	6.3	24.4	42.3
145°	1.3	1.4	1.4	1.3	1.2	1.0	0.8	0.3	5.8	23.7	40.6
146°	1.3	1.4	1.4	1.3	1.2	1.0	0.8	0.3	5.4	22.6	38.9
147°	1.3	1.4	1.4	1.3	1.2	1.0	0.8	0.4	4.9	21.3	37.3
148°	1.3	1.4	1.3	1.3	1.2	1.0	0.9	0.4	4.3	20.0	36.1
149°	1.3	1.3	1.3	1.3	1.2	1.0	0.9	0.4	3.8	18.9	34.8
150°	1.3	1.3	1.3	1.3	1.2	1.0	0.9	0.4	3.5	17.9	33.1
151°	1.2	1.3	1.3	1.2	1.2	1.0	0.9	0.4	3.1	16.8	31.2
152°	1.2	1.3	1.3	1.2	1.2	1.1	0.9	0.4	2.8	15.7	29.2
153°	1.2	1.2	1.2	1.2	1.2	1.1	1.0	0.5	2.4	14.6	27.1
154°	1.1	1.2	1.2	1.2	1.1	1.1	1.0	0.5	1.9	13.6	25.1
155°	1.1	1.1	1.2	1.2	1.1	1.1	1.0	0.5	1.4	12.6	23.2
156°	1.1	1.1	1.1	1.1	1.1	1.1	1.0	0.5	0.9	11.6	21.3
157°	1.0	1.1	1.1	1.1	1.1	1.1	1.0	0.5	0.6	10.5	19.6
158°	1.0	1.0	1.1	1.1	1.1	1.1	1.0	0.5	0.5	9.6	18.1
159°	1.0	1.0	1.0	1.0	1.1	1.1	1.0	0.6	0.5	8.7	16.5
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.5	7.7	15.1
161°	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.6	0.5	6.8	13.6
162°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	0.6	0.5	5.8	12.1
163°	0.9	0.8	0.8	0.9	0.9	1.0	1.0	0.6	0.6	4.7	10.6
164°	0.8	0.8	0.8	0.8	0.9	0.9	1.0	0.6	0.6	3.7	9.5
165°	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.6	0.6	2.7	8.3
166°	0.8	0.7	0.7	0.7	0.8	0.9	0.9	0.7	0.6	1.7	7.2
167°	0.7	0.7	0.7	0.7	0.7	0.8	0.9	0.7	0.6	1.0	6.0
168°	0.7	0.7	0.6	0.6	0.7	0.8	0.9	0.7	0.6	0.6	4.6
169°	0.7	0.6	0.6	0.6	0.7	0.8	0.9	0.7	0.6	0.6	3.2
170°	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.6	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	0.5	0.6	0.7	0.8	0.7	0.7	0.6	0.6
174°	0.6	0.6	0.5	0.5	0.6	0.7	0.8	0.7	0.7	0.6	0.6
175°	0.6	0.6	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.6
176°	0.6	0.6	0.5	0.5	0.6	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	0.7	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	0.7	0.7	0.6
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-5000K)

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: P1444950

CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	437.2	437.2	437.2
1°	482.9	489.2	493.2
2°	521.2	528.6	537.6
3°	585.5	602.7	613.7
4°	640.7	652.8	656.1
5°	673.6	696.1	702.3
6°	723.6	760.0	764.9
7°	776.9	810.5	813.7
8°	816.6	866.9	881.5
9°	864.2	925.8	937.4
10°	918.7	972.7	983.3
11°	956.0	992.0	1001.9
12°	978.7	1025.9	1021.9
13°	1006.6	1025.5	1011.4
14°	1001.3	996.2	981.3
15°	985.2	973.2	984.5
16°	948.8	962.5	977.2
17°	944.5	978.0	974.1
18°	932.9	990.4	1017.6
19°	940.9	1020.8	1058.9
20°	958.4	1063.7	1088.7
21°	986.0	1104.6	1120.6
22°	1021.5	1127.2	1149.4
23°	1052.8	1159.7	1180.2
24°	1074.5	1178.5	1200.8
25°	1094.7	1200.3	1225.2
26°	1112.8	1216.4	1248.5
27°	1126.0	1232.7	1265.6
28°	1139.0	1246.0	1277.7
29°	1152.1	1258.9	1298.9
30°	1167.5	1279.7	1321.3
31°	1182.6	1292.1	1324.5
32°	1190.3	1301.2	1335.6
33°	1201.2	1315.3	1359.1
34°	1212.4	1331.1	1371.0
35°	1221.8	1343.3	1388.3
36°	1236.2	1361.9	1408.5
37°	1248.2	1377.2	1417.9
38°	1250.7	1400.2	1446.9
39°	1261.9	1417.4	1456.8
40°	1272.3	1431.5	1473.9
41°	1279.1	1451.7	1488.1
42°	1289.6	1454.5	1471.2
43°	1293.8	1447.6	1475.0
44°	1294.2	1444.2	1447.9

REPORT NUMBER: P1444950

CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	1288.3	1427.1	1433.5
46°	1277.8	1444.2	1511.8
47°	1269.2	1513.3	1564.0
48°	1285.7	1523.5	1506.1
49°	1311.5	1484.8	1499.8
50°	1310.7	1485.3	1530.5
51°	1312.7	1502.4	1531.0
52°	1313.3	1502.2	1539.0
53°	1296.3	1519.4	1567.6
54°	1294.6	1544.7	1578.7
55°	1305.3	1548.9	1571.4
56°	1317.1	1546.7	1564.7
57°	1321.7	1551.0	1569.7
58°	1327.2	1551.1	1559.7
59°	1327.8	1536.8	1521.9
60°	1324.4	1503.2	1492.3
61°	1312.2	1483.9	1488.5
62°	1290.1	1472.5	1489.6
63°	1272.9	1478.5	1469.6
64°	1274.6	1446.7	1427.4
65°	1263.8	1418.4	1409.0
66°	1243.6	1409.8	1404.7
67°	1228.8	1388.7	1375.2
68°	1218.0	1366.0	1367.3
69°	1201.1	1353.6	1343.9
70°	1187.8	1342.7	1337.9
71°	1169.7	1301.9	1280.2
72°	1139.1	1253.5	1263.0
73°	1092.6	1251.2	1245.8
74°	1082.6	1230.1	1227.4
75°	1066.5	1205.7	1194.4
76°	1041.4	1179.1	1184.0
77°	1022.3	1155.2	1159.0
78°	996.7	1135.1	1136.0
79°	972.8	1118.5	1122.1
80°	949.8	1079.9	1079.5
81°	924.4	1064.4	1067.6
82°	900.7	1032.5	1037.6
83°	869.6	993.8	1008.6
84°	840.2	968.9	986.8
85°	821.2	948.3	967.9
86°	790.8	912.7	934.3
87°	767.9	893.8	916.3
88°	741.8	867.5	887.4
89°	716.4	835.8	859.9

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CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	694.2	812.1	832.6
91°	669.6	783.8	808.7
92°	648.9	754.9	781.0
93°	639.8	732.8	757.8
94°	630.1	724.0	748.0
95°	617.4	717.9	744.3
96°	602.8	702.6	732.1
97°	585.7	686.4	715.1
98°	571.1	668.4	697.2
99°	559.2	654.0	682.2
100°	546.6	642.0	671.2
101°	534.1	630.6	659.8
102°	521.7	617.4	645.6
103°	508.8	603.8	632.9
104°	495.4	591.0	620.4
105°	481.8	576.5	606.6
106°	467.7	562.7	592.1
107°	453.0	547.3	577.5
108°	438.4	532.5	561.2
109°	423.4	516.6	545.4
110°	409.6	500.0	529.1
111°	395.1	484.0	512.7
112°	381.6	467.8	496.6
113°	368.7	452.9	480.4
114°	355.6	438.4	465.9
115°	342.7	423.2	450.4
116°	329.4	409.2	435.4
117°	317.3	394.6	420.2
118°	304.7	380.6	405.4
119°	293.0	366.7	391.4
120°	281.3	353.6	377.1
121°	269.3	339.8	363.8
122°	257.3	326.5	349.5
123°	246.1	313.6	336.2
124°	235.1	300.3	322.8
125°	224.0	287.7	308.8
126°	213.1	275.1	296.1
127°	202.4	263.1	282.8
128°	191.9	250.9	270.4
129°	181.8	239.0	257.7
130°	171.3	227.5	245.5
131°	161.5	215.7	233.9
132°	151.7	204.1	221.6
133°	142.0	193.1	210.2
134°	132.4	181.9	199.0

REPORT NUMBER: P1444950

CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	122.9	171.4	188.0
136°	113.8	160.8	176.6
137°	105.5	150.2	165.9
138°	97.8	139.4	155.1
139°	92.0	128.8	144.2
140°	84.5	118.6	133.6
141°	77.0	108.5	123.1
142°	70.7	98.7	112.6
143°	64.9	90.1	102.3
144°	59.3	80.7	92.3
145°	54.3	71.3	82.4
146°	50.0	63.9	72.6
147°	46.6	57.4	62.8
148°	43.6	51.7	54.4
149°	41.8	47.6	48.6
150°	40.8	45.9	47.3
151°	39.9	46.1	48.3
152°	38.3	44.8	46.8
153°	36.3	42.5	44.4
154°	34.1	39.9	41.9
155°	31.5	37.2	39.1
156°	29.1	34.5	36.4
157°	27.0	32.2	34.0
158°	25.2	30.2	31.9
159°	23.5	28.2	29.8
160°	21.8	26.2	27.7
161°	19.8	23.9	25.4
162°	17.8	21.7	23.0
163°	15.8	19.5	20.7
164°	14.0	17.3	18.5
165°	12.3	15.3	16.4
166°	10.7	13.4	14.4
167°	9.4	11.6	12.4
168°	8.0	9.9	10.6
169°	6.7	8.5	9.0
170°	5.1	7.0	7.4
171°	3.2	5.2	5.9
172°	1.5	3.2	3.8
173°	0.6	1.3	1.8
174°	0.5	0.5	0.5
175°	0.5	0.5	0.5
176°	0.6	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: P1444950

CATALOG NUMBER: CWP30 (24W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.5	0.5	0.5

(END OF REPORT)