

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: P1444947

Luminaire Tested: CWP30 (18W-5000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444947
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 (18W-5000K)
Description: COMPACT WALL PACK, 30W
SET TO 18W, 5000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2391.2 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U3 - G2

Input Watts (W): 18.2
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



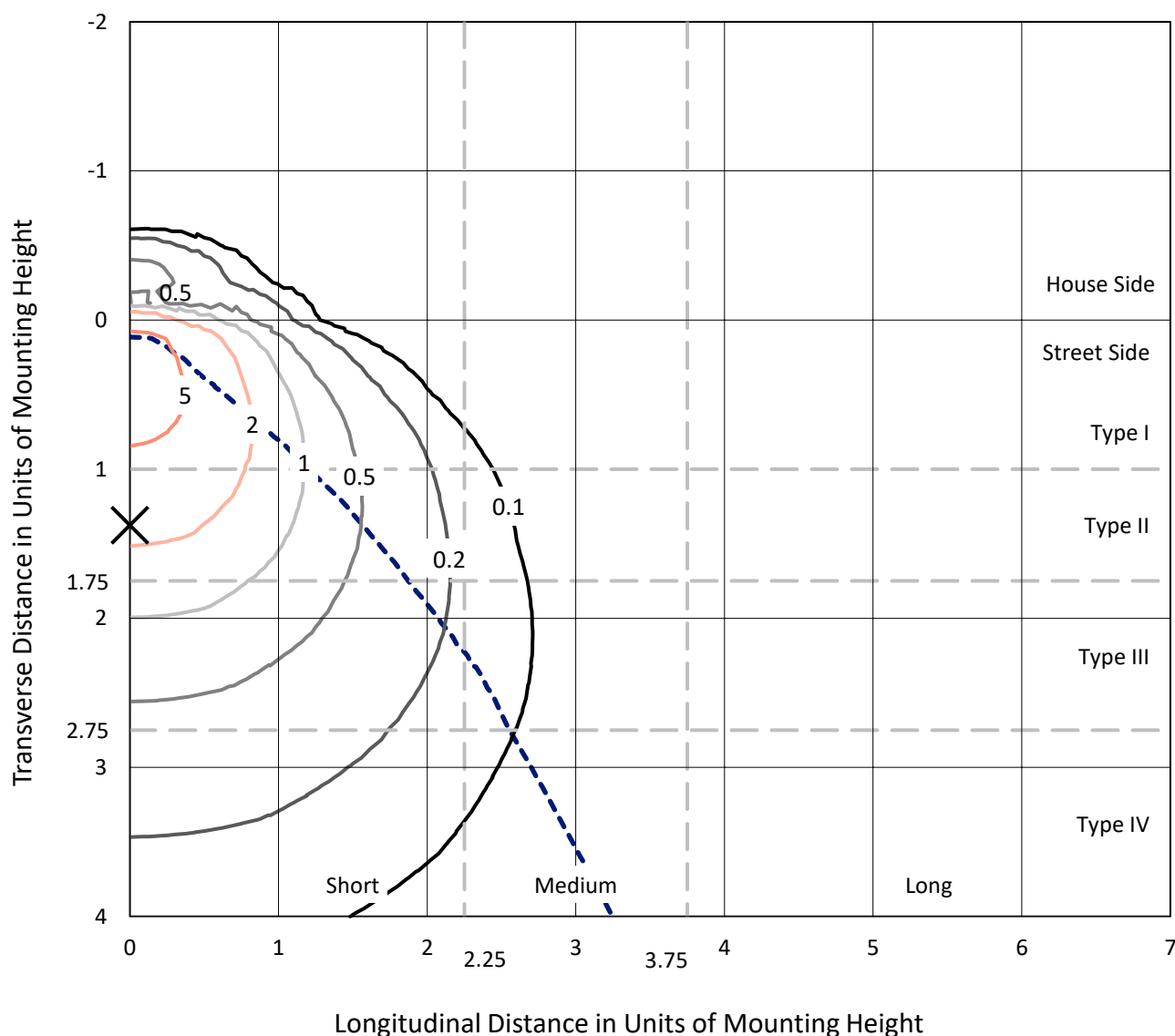
REPORT NUMBER: P1444947

CATALOG NUMBER: CWP30 (18W-5000K)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



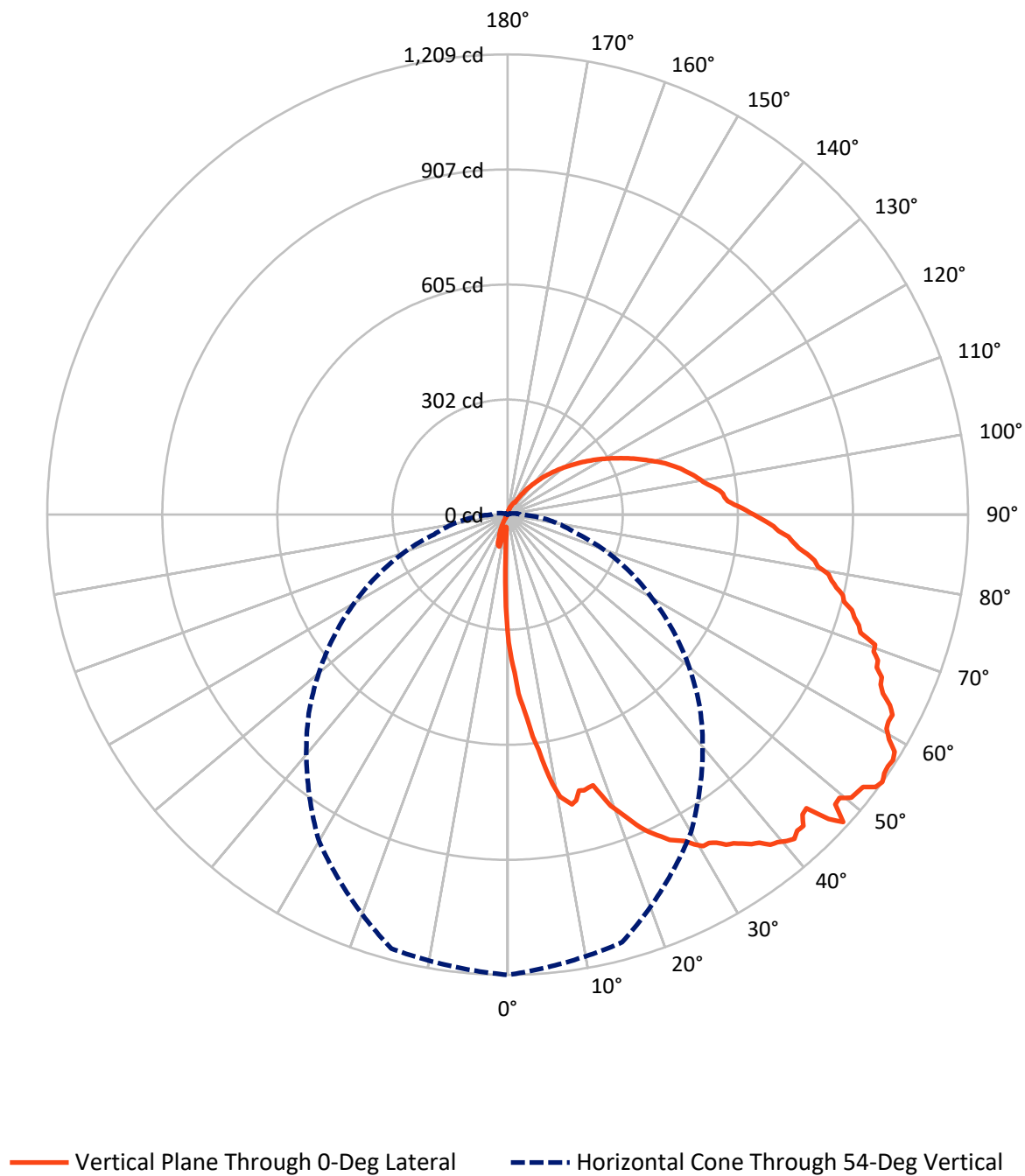
Based on 10 foot mounting height. Maximum calculated value = 6.9 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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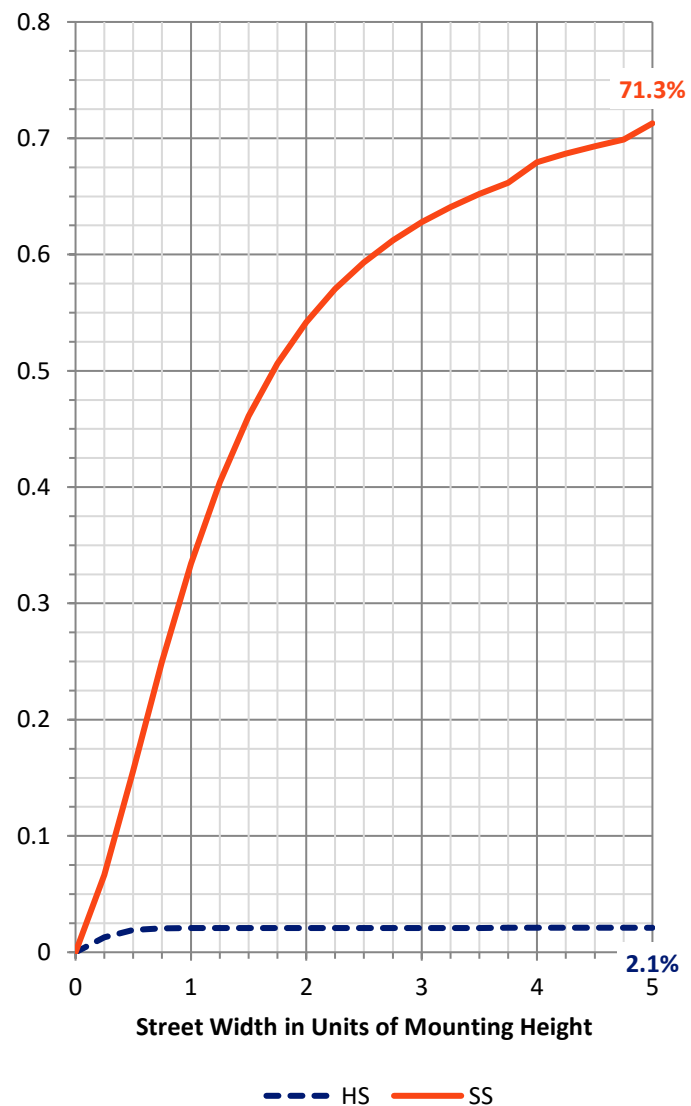
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	51.0	2.3	53.3
	% Fixture	2.1	0.1	2.2
Street Side	Lumens	1872.7	465.2	2337.9
	% Fixture	78.3	19.5	97.8
Total	Lumens	1923.7	467.5	2391.2
	% Fixture	80.4	19.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	1.3
10°-20°	98.8	4.1
20°-30°	166.3	7.0
30°-40°	227.6	9.5
40°-50°	274.9	11.5
50°-60°	310.2	13.0
60°-70°	314.3	13.1
70°-80°	280.2	11.7
80°-90°	221.5	9.3
90°-100°	167.1	7.0
100°-110°	125.8	5.3
110°-120°	84.0	3.5
120°-130°	50.0	2.1
130°-140°	25.4	1.1
140°-150°	10.1	0.4
150°-160°	4.0	0.2
160°-170°	1.1	0.0
170°-180°	0.1	0.0
0°-90°	1923.7	80.4
0°-180°	2391.2	100.0

Coefficient of Utilization



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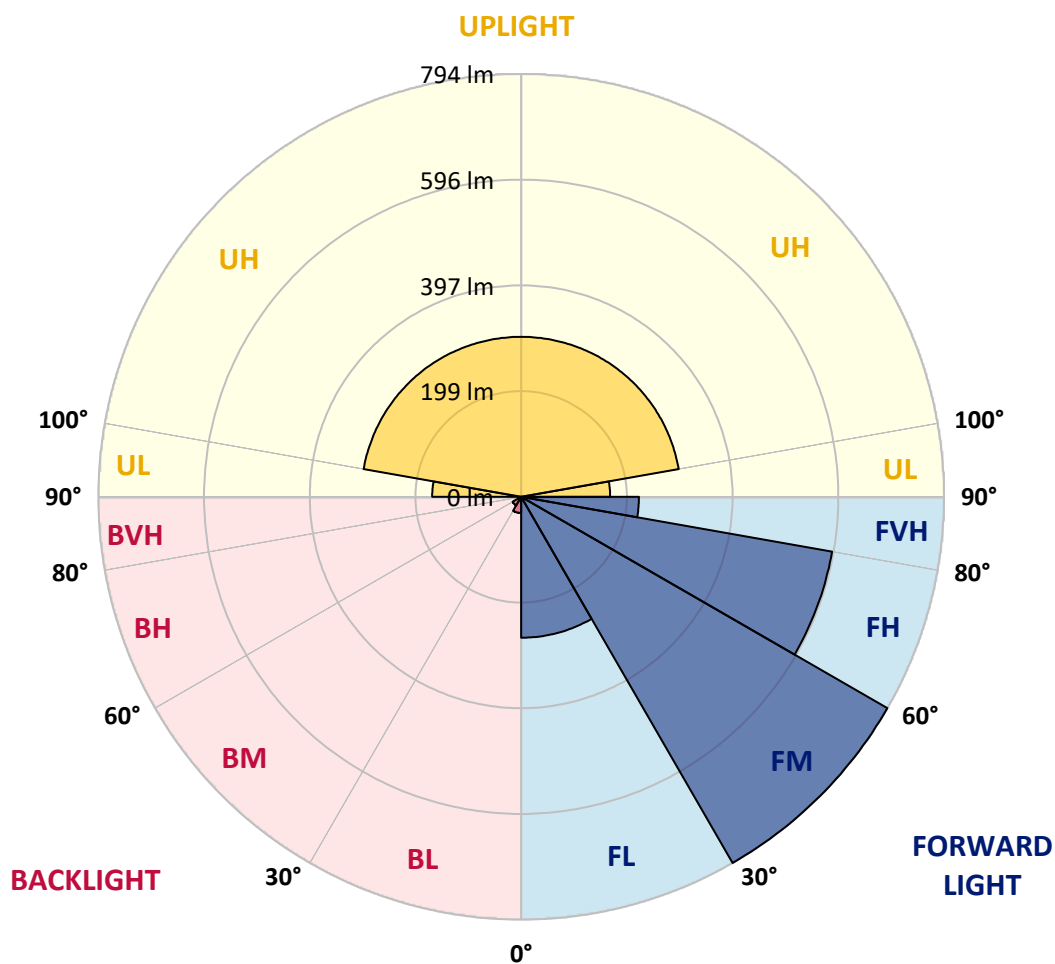
CATALOG NUMBER: CWP30 (18W-5000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.6	11.1			
FM	(30°-60°)	794.1	33.2			
FH	(60°-80°)	592.8	24.8			G0/660
FVH	(80°-90°)	221.2	9.2			G2/225
BL	(0°-30°)	30.4	1.3	B0/110		
BM	(30°-60°)	18.6	0.8	B0/220		
BH	(60°-80°)	1.6	0.1	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	167.1	7.0		U3/500	
UH	(100°-180°)	300.4	12.6		U3/500	

BUG Rating: B0-U3-G2

Type IV Short



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CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7
1°	379.2	380.3	377.3	372.1	364.7	355.1	323.2	306.2	289.0	276.0	275.6
2°	414.3	412.8	404.2	394.4	383.1	364.7	321.3	284.8	253.0	232.4	218.0
3°	471.1	469.4	452.6	424.5	398.9	377.5	323.1	265.4	219.8	188.8	160.4
4°	503.3	498.7	489.4	468.5	418.9	387.4	325.6	250.0	186.7	145.0	97.7
5°	538.8	532.4	516.1	496.1	452.0	394.0	321.6	229.8	162.3	87.5	51.8
6°	586.6	578.8	557.0	519.9	476.4	395.0	313.5	209.6	126.4	52.2	38.7
7°	623.2	617.1	593.9	545.2	484.2	399.6	310.1	189.4	83.4	39.6	33.5
8°	674.7	660.5	628.4	573.2	494.6	405.5	301.4	171.5	56.4	35.2	32.0
9°	717.7	703.6	671.7	594.2	503.6	414.4	297.2	157.2	43.0	32.4	32.5
10°	753.3	740.6	707.8	616.7	521.6	431.7	299.7	141.9	37.7	32.1	33.8
11°	766.4	756.5	731.8	642.5	545.3	442.8	295.8	121.5	34.8	32.9	36.5
12°	779.8	780.6	744.8	670.2	565.1	440.8	280.6	96.5	32.8	34.0	40.2
13°	772.3	784.6	763.8	693.9	575.8	439.2	269.8	77.7	31.9	35.9	45.5
14°	748.6	761.3	765.3	717.2	574.2	432.4	257.0	62.0	31.7	39.3	54.0
15°	751.7	745.4	749.6	724.9	583.4	425.8	245.7	51.1	32.1	43.4	65.1
16°	748.0	736.6	724.0	729.2	594.8	419.0	239.4	43.4	32.8	48.8	72.8
17°	745.4	741.8	720.2	718.8	599.1	422.8	234.8	39.0	34.2	54.0	80.9
18°	778.1	751.5	708.4	702.5	606.3	422.3	224.8	35.2	36.1	59.8	84.1
19°	811.0	772.1	715.4	678.3	620.5	412.0	214.7	32.2	38.9	63.9	83.7
20°	833.1	804.5	726.1	658.5	616.1	410.8	204.7	30.3	41.4	67.0	79.5
21°	856.2	836.2	747.3	654.1	605.0	406.8	199.2	28.9	44.1	68.6	75.4
22°	881.4	859.3	772.1	641.1	591.5	409.8	194.1	27.9	46.5	69.2	70.8
23°	902.9	883.7	795.2	641.2	583.7	409.9	189.6	27.6	48.8	68.3	66.7
24°	920.9	899.3	811.9	646.1	572.1	412.3	185.4	27.4	50.6	67.6	60.8
25°	937.0	917.4	828.8	654.8	561.1	402.3	181.5	27.6	51.9	64.5	55.9
26°	954.7	931.8	843.7	667.5	541.8	398.9	178.6	28.4	52.7	60.7	51.0
27°	965.4	944.0	854.5	679.6	523.8	398.2	175.9	29.4	53.1	56.2	46.3
28°	976.0	956.2	860.7	694.2	515.6	397.6	171.0	31.0	52.5	52.5	41.2
29°	995.7	971.4	867.9	704.2	502.8	396.7	166.2	32.7	51.1	48.0	36.5
30°	1010.7	983.3	880.9	712.5	490.7	392.5	162.9	33.6	49.6	44.3	32.0
31°	1011.9	987.4	893.5	716.3	488.3	385.8	158.2	34.9	47.8	39.9	27.5
32°	1021.6	990.0	901.9	715.6	482.4	383.0	151.0	36.2	45.8	35.6	23.6
33°	1039.7	1000.2	909.8	716.4	485.5	378.4	144.5	36.8	43.3	31.8	19.8
34°	1048.1	1009.7	917.1	715.6	484.6	366.1	138.2	37.2	40.7	28.5	16.0
35°	1061.5	1022.4	922.4	711.8	488.7	363.3	129.7	37.9	37.9	25.2	13.2
36°	1076.4	1038.2	929.1	709.6	489.9	350.3	123.6	37.9	35.2	22.2	10.9
37°	1086.2	1048.6	939.2	710.6	491.0	338.7	118.9	37.5	32.7	19.2	8.9
38°	1108.4	1063.4	947.0	710.5	488.4	333.0	113.5	36.7	30.0	16.2	7.6
39°	1114.8	1073.7	950.7	706.2	486.8	325.6	104.4	35.8	27.7	13.7	6.5
40°	1127.5	1083.8	958.2	709.5	482.0	318.6	98.6	34.8	25.1	11.6	5.4
41°	1137.0	1095.8	963.0	707.0	479.4	304.9	93.3	33.2	22.9	9.7	4.1
42°	1125.9	1100.8	966.4	708.6	475.6	294.6	88.9	31.3	20.7	7.9	3.2
43°	1127.9	1098.9	973.1	711.2	472.2	282.5	84.3	29.2	18.5	6.5	2.6
44°	1104.7	1094.1	970.3	711.4	468.6	270.6	80.7	27.1	16.4	5.3	2.0

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CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1100.2	1080.8	967.5	713.1	466.7	260.7	76.3	25.2	14.5	4.3	0.3
46°	1161.7	1085.1	961.0	718.4	464.0	250.5	71.3	23.5	12.8	3.3	0.2
47°	1195.1	1138.4	945.5	716.6	462.8	239.0	66.2	21.7	11.2	2.3	0.2
48°	1148.9	1151.1	949.2	713.3	461.5	229.5	62.2	20.0	9.5	1.5	0.2
49°	1146.1	1124.7	974.9	713.2	459.3	220.8	57.7	18.3	8.0	1.1	0.2
50°	1169.4	1122.9	975.2	707.4	456.0	211.4	51.7	16.7	6.8	0.6	0.3
51°	1172.4	1135.2	971.1	705.2	453.0	203.7	46.4	15.3	5.7	0.2	0.3
52°	1176.0	1136.5	974.7	716.0	447.9	195.9	41.7	14.1	4.7	0.2	0.3
53°	1202.5	1146.2	972.3	719.3	442.0	190.0	37.1	12.8	3.8	0.2	0.3
54°	1209.1	1162.9	963.1	713.8	437.6	183.6	33.4	11.6	3.0	0.2	0.3
55°	1200.1	1170.6	965.7	710.8	429.8	178.9	29.5	10.4	2.2	0.2	0.3
56°	1197.7	1168.2	972.7	708.6	425.8	172.7	26.2	9.3	1.6	0.2	0.3
57°	1199.7	1167.5	979.9	705.9	420.7	167.1	23.1	8.3	0.9	0.3	0.4
58°	1191.9	1169.7	983.9	705.9	414.5	161.5	21.2	7.3	0.6	0.3	0.4
59°	1162.8	1161.5	981.9	703.6	406.7	156.5	19.4	6.4	0.3	0.3	0.4
60°	1143.1	1137.4	981.7	703.8	399.8	152.5	17.6	5.6	0.2	0.3	0.4
61°	1138.2	1126.1	976.5	702.3	393.6	148.6	16.1	4.9	0.2	0.3	0.4
62°	1139.6	1121.2	957.3	700.6	386.0	144.2	14.8	4.3	0.2	0.3	0.4
63°	1122.2	1122.9	948.7	692.4	380.8	140.4	13.8	3.7	0.2	0.3	0.5
64°	1092.0	1100.5	941.5	682.0	374.4	136.2	12.8	3.2	0.2	0.4	0.5
65°	1076.7	1075.4	942.3	676.2	369.5	132.2	11.9	2.6	0.2	0.4	0.5
66°	1071.8	1066.9	928.9	665.7	362.7	128.5	11.0	2.2	0.2	0.4	0.5
67°	1049.1	1056.2	910.5	662.0	355.5	125.2	10.2	1.8	0.2	0.4	0.5
68°	1045.4	1039.3	902.8	652.1	346.2	121.5	9.4	1.4	0.2	0.4	0.6
69°	1026.5	1025.8	893.3	639.3	338.3	118.0	8.5	1.0	0.3	0.4	0.6
70°	1023.6	1019.1	879.6	633.3	332.3	114.2	7.7	0.7	0.3	0.4	0.6
71°	976.9	992.4	871.5	624.2	324.3	110.3	6.8	0.5	0.3	0.5	0.6
72°	966.8	952.4	857.2	614.3	315.0	106.2	6.0	0.3	0.3	0.5	0.6
73°	949.6	951.2	815.1	606.4	307.8	102.8	5.2	0.3	0.3	0.5	0.6
74°	938.4	930.4	803.5	593.6	299.2	98.6	4.5	0.2	0.3	0.5	0.7
75°	912.5	916.5	792.5	574.9	292.7	94.9	3.8	0.2	0.3	0.5	0.7
76°	905.3	894.2	780.2	561.5	282.7	91.1	3.2	0.2	0.3	0.5	0.7
77°	884.5	880.7	760.0	549.8	271.7	87.3	2.7	0.2	0.3	0.5	0.7
78°	868.3	865.1	744.2	536.6	263.0	83.5	2.2	0.2	0.3	0.6	0.7
79°	857.1	847.7	729.3	523.0	253.2	79.6	1.8	0.2	0.4	0.6	0.8
80°	826.0	819.6	712.6	511.6	245.5	76.1	1.4	0.2	0.4	0.6	0.8
81°	814.8	812.2	686.9	498.9	236.5	72.7	1.2	0.2	0.4	0.6	0.8
82°	793.7	783.2	675.1	479.9	227.3	69.7	0.9	0.2	0.4	0.6	0.8
83°	769.0	760.0	651.3	466.2	219.9	66.2	0.7	0.2	0.4	0.6	0.8
84°	753.1	737.6	630.1	450.2	209.7	63.3	0.5	0.2	0.4	0.6	0.8
85°	739.6	720.8	612.9	432.8	202.3	60.4	0.4	0.2	0.4	0.6	0.8
86°	713.2	692.6	588.6	417.8	195.1	57.9	0.2	0.2	0.4	0.6	0.9
87°	699.7	679.9	572.6	404.2	188.5	55.6	0.1	0.2	0.4	0.7	0.9
88°	677.4	657.6	552.0	389.7	183.0	53.8	0.1	0.2	0.4	0.7	0.9
89°	656.9	637.5	532.6	378.3	178.5	52.4	0.1	0.2	0.4	0.7	0.9

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CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	636.4	616.9	515.4	368.8	175.0	51.1	0.1	0.2	0.4	0.7	0.9
91°	617.3	595.9	497.7	358.4	172.2	49.9	0.1	0.2	0.5	0.7	0.9
92°	596.4	571.7	481.8	350.9	169.1	48.3	0.1	0.2	0.5	0.7	0.9
93°	579.3	554.5	472.1	345.0	164.3	46.2	0.1	0.2	0.5	0.7	1.0
94°	571.8	546.3	466.0	338.5	160.2	44.3	0.1	0.2	0.5	0.7	1.0
95°	568.5	543.0	457.3	329.9	155.0	42.2	0.1	0.3	0.5	0.7	1.0
96°	559.3	530.7	446.8	320.8	148.8	40.4	0.1	0.3	0.5	0.8	1.0
97°	547.0	518.4	435.9	310.5	143.9	38.8	0.1	0.3	0.5	0.8	1.0
98°	532.7	504.7	423.6	301.5	139.5	37.3	0.1	0.3	0.5	0.8	1.0
99°	520.7	493.4	414.5	293.8	135.2	35.9	0.1	0.3	0.5	0.8	1.0
100°	512.2	484.9	405.6	285.4	131.0	34.6	0.1	0.3	0.5	0.8	1.0
101°	503.6	475.8	396.5	277.5	126.8	33.4	0.1	0.3	0.5	0.8	1.0
102°	493.4	465.3	387.2	268.7	122.7	32.1	0.1	0.3	0.5	0.8	1.0
103°	483.3	456.3	377.1	259.7	118.0	30.7	0.1	0.3	0.5	0.8	1.0
104°	473.7	445.8	367.4	250.5	113.2	29.4	0.1	0.3	0.5	0.8	1.0
105°	463.6	434.8	357.7	241.0	108.7	28.1	0.1	0.3	0.5	0.8	1.0
106°	452.5	424.2	347.3	232.1	104.3	26.9	0.1	0.3	0.5	0.8	1.0
107°	441.1	412.6	336.4	222.8	99.9	25.6	0.1	0.3	0.5	0.8	1.0
108°	429.2	401.2	325.7	214.0	96.0	24.6	0.1	0.3	0.5	0.8	1.0
109°	416.3	389.4	314.9	205.6	92.1	23.6	0.1	0.3	0.5	0.8	1.0
110°	403.7	377.1	304.5	197.2	88.2	22.6	0.1	0.3	0.5	0.8	1.0
111°	391.0	365.0	294.5	188.7	84.2	21.7	0.1	0.3	0.5	0.8	1.0
112°	378.9	353.9	284.1	180.7	80.6	20.7	0.1	0.3	0.5	0.8	1.0
113°	367.4	342.0	274.6	172.6	76.8	19.8	0.1	0.3	0.5	0.8	1.0
114°	355.3	331.6	264.5	164.6	73.2	18.8	0.1	0.3	0.5	0.8	1.0
115°	344.0	319.7	254.8	157.4	69.8	17.9	0.1	0.3	0.5	0.8	1.0
116°	332.5	308.9	245.6	150.3	66.5	17.1	0.1	0.3	0.5	0.8	1.0
117°	320.8	298.2	236.0	143.3	63.3	16.2	0.1	0.3	0.5	0.8	1.0
118°	309.9	287.6	226.9	137.0	60.3	15.3	0.1	0.3	0.5	0.8	1.0
119°	298.9	277.2	217.8	130.9	57.4	14.5	0.2	0.3	0.5	0.8	0.9
120°	288.5	266.7	209.0	124.2	54.6	13.5	0.2	0.3	0.5	0.8	0.9
121°	277.2	256.4	200.1	117.7	52.0	12.6	0.2	0.3	0.5	0.7	0.9
122°	266.7	246.8	191.6	111.8	49.4	11.9	0.2	0.3	0.5	0.7	0.9
123°	256.6	236.5	183.2	106.3	46.8	11.5	0.2	0.3	0.5	0.7	0.9
124°	246.2	226.8	174.8	101.0	44.1	11.2	0.2	0.3	0.5	0.7	0.9
125°	235.8	217.4	166.8	96.0	41.6	10.8	0.2	0.3	0.5	0.7	0.9
126°	225.5	207.9	158.7	91.3	39.3	10.4	0.2	0.3	0.5	0.8	0.9
127°	215.8	198.6	150.8	86.6	37.3	10.0	0.2	0.3	0.5	0.8	0.9
128°	206.2	189.6	143.0	81.9	35.6	9.7	0.2	0.4	0.6	0.8	0.9
129°	196.9	180.6	135.2	77.6	34.1	9.5	0.2	0.4	0.6	0.8	0.9
130°	187.5	171.8	127.7	73.5	32.7	9.5	0.2	0.4	0.6	0.8	0.9
131°	178.5	162.8	120.4	69.3	31.3	9.4	0.2	0.4	0.6	0.8	0.9
132°	169.3	154.2	112.9	65.2	29.9	9.2	0.2	0.4	0.6	0.8	0.9
133°	160.3	145.9	105.6	61.1	28.4	8.8	0.2	0.4	0.6	0.8	0.9
134°	151.9	137.3	98.5	57.0	26.6	8.3	0.2	0.4	0.6	0.8	0.9

REPORT NUMBER: P1444947

CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	143.2	129.2	91.2	53.0	24.9	7.6	0.3	0.4	0.6	0.8	0.9
136°	134.8	121.1	85.1	49.5	23.4	7.0	0.3	0.4	0.6	0.8	0.9
137°	126.4	113.1	79.1	46.1	22.2	6.7	0.3	0.4	0.6	0.8	0.9
138°	118.3	105.2	73.4	43.3	21.3	6.5	0.3	0.4	0.6	0.8	0.9
139°	109.9	97.4	68.1	40.8	20.3	6.2	0.3	0.4	0.6	0.8	0.9
140°	101.8	89.6	63.0	38.5	19.5	5.9	0.3	0.5	0.6	0.8	0.9
141°	93.9	81.9	58.3	36.2	18.9	5.6	0.3	0.5	0.6	0.8	0.9
142°	86.0	74.2	53.7	34.2	18.5	5.3	0.3	0.5	0.6	0.8	0.9
143°	78.0	67.0	49.4	32.5	18.1	4.9	0.4	0.5	0.6	0.8	0.9
144°	70.1	60.2	45.3	31.1	17.7	4.6	0.4	0.5	0.6	0.8	0.9
145°	62.4	54.2	41.6	30.0	17.3	4.2	0.4	0.5	0.7	0.8	0.9
146°	54.8	48.6	38.5	28.8	16.6	3.9	0.4	0.5	0.7	0.8	0.9
147°	47.8	43.7	35.9	27.8	15.8	3.6	0.4	0.5	0.7	0.8	0.9
148°	41.3	39.5	33.5	26.9	14.8	3.2	0.4	0.5	0.7	0.8	0.9
149°	37.0	36.4	31.8	26.1	13.9	2.9	0.4	0.5	0.7	0.8	0.9
150°	36.3	34.6	30.9	25.0	13.2	2.6	0.5	0.6	0.7	0.8	0.9
151°	37.0	34.7	30.3	23.6	12.5	2.4	0.5	0.6	0.7	0.8	0.9
152°	35.7	34.1	29.1	22.1	11.7	2.2	0.5	0.6	0.7	0.8	0.9
153°	33.9	32.4	27.6	20.7	11.0	1.9	0.5	0.6	0.7	0.8	0.8
154°	32.0	30.5	26.0	19.3	10.2	1.6	0.5	0.6	0.7	0.7	0.8
155°	29.8	28.4	24.2	17.8	9.5	1.3	0.5	0.6	0.7	0.7	0.8
156°	27.7	26.3	22.3	16.5	8.8	1.0	0.5	0.6	0.7	0.7	0.8
157°	25.9	24.5	20.6	15.2	8.1	0.7	0.5	0.6	0.7	0.7	0.8
158°	24.3	22.9	19.2	13.9	7.4	0.5	0.6	0.6	0.7	0.7	0.7
159°	22.7	21.4	17.9	12.7	6.6	0.5	0.6	0.6	0.7	0.7	0.7
160°	21.2	20.0	16.6	11.6	6.1	0.5	0.6	0.6	0.7	0.7	0.7
161°	19.3	18.3	15.3	10.6	5.5	0.5	0.6	0.6	0.7	0.7	0.7
162°	17.5	16.6	13.8	9.5	4.8	0.5	0.6	0.6	0.6	0.7	0.7
163°	15.8	14.9	12.2	8.4	4.0	0.5	0.6	0.6	0.6	0.7	0.7
164°	14.1	13.3	10.8	7.3	3.3	0.5	0.6	0.6	0.6	0.7	0.6
165°	12.5	11.7	9.6	6.5	2.5	0.5	0.6	0.6	0.6	0.6	0.6
166°	10.9	10.2	8.4	5.7	1.8	0.6	0.6	0.6	0.6	0.6	0.6
167°	9.6	8.9	7.2	4.9	1.1	0.6	0.6	0.6	0.6	0.6	0.6
168°	8.3	7.6	6.3	3.9	0.7	0.6	0.6	0.6	0.6	0.6	0.6
169°	6.9	6.6	5.3	2.9	0.5	0.6	0.6	0.6	0.6	0.6	0.6
170°	5.8	5.4	4.1	1.8	0.5	0.6	0.6	0.6	0.6	0.6	0.6
171°	4.4	4.1	2.8	0.9	0.5	0.5	0.6	0.6	0.6	0.6	0.6
172°	2.9	2.5	1.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6
173°	1.3	1.1	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5
174°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5
175°	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5
176°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5
177°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5
178°	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5
179°	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5



REPORT NUMBER: P1444947
CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

REPORT NUMBER: P1444947

CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7	335.7
1°	272.8	273.8	277.8	280.1	292.3	309.6	325.4	321.6	338.8	352.0	362.9
2°	210.2	209.4	215.5	225.1	248.6	276.1	313.5	326.0	357.1	376.7	389.6
3°	147.2	144.9	153.1	170.2	205.0	244.2	292.5	327.7	369.8	390.9	418.5
4°	74.2	69.5	79.6	116.1	161.2	212.2	275.6	325.8	377.5	413.8	460.2
5°	43.0	41.8	44.4	58.8	113.5	180.3	253.8	322.3	380.7	438.2	495.5
6°	35.2	34.7	35.9	40.7	64.3	151.3	236.1	320.2	386.6	463.2	509.4
7°	32.3	32.3	32.5	34.9	43.8	117.4	218.6	318.2	392.0	481.4	535.7
8°	32.6	32.8	32.6	32.4	37.2	79.6	201.1	315.3	400.0	490.9	567.1
9°	33.8	34.4	33.9	32.7	33.7	55.4	183.8	314.9	415.5	503.1	595.9
10°	36.2	37.2	36.2	33.7	32.4	43.4	170.5	313.5	429.3	524.2	614.0
11°	40.0	41.0	40.0	36.1	32.8	38.5	156.8	308.0	441.4	546.5	645.2
12°	45.5	46.3	45.5	39.8	33.8	35.6	137.2	297.7	439.6	566.6	675.6
13°	56.3	60.0	55.3	44.5	35.3	33.0	118.6	284.5	440.3	578.0	705.2
14°	70.3	74.7	69.9	51.5	38.0	31.6	100.7	278.6	433.9	580.0	722.0
15°	82.8	86.1	81.1	60.9	41.7	31.4	83.2	270.5	427.0	591.0	730.0
16°	87.5	86.4	87.7	69.7	46.5	32.0	67.4	262.6	424.7	605.3	740.7
17°	84.8	83.9	85.6	76.9	51.8	33.2	55.9	258.9	426.4	607.2	720.1
18°	84.6	82.8	83.2	82.7	56.6	34.5	46.3	248.9	434.4	620.5	709.7
19°	82.7	79.2	82.6	83.7	60.9	36.0	39.7	238.4	428.8	621.0	681.0
20°	76.6	73.3	78.1	80.0	64.1	38.7	35.8	230.6	421.7	620.4	666.9
21°	69.8	65.9	70.2	77.1	66.5	41.5	33.0	226.0	421.4	619.0	656.3
22°	65.1	59.9	67.9	71.9	67.7	44.3	30.6	220.4	421.8	607.6	651.6
23°	58.4	55.4	59.4	67.7	66.7	46.5	29.2	214.4	421.5	592.9	644.5
24°	53.7	50.4	55.2	62.9	65.6	48.5	27.9	210.0	420.9	580.0	658.0
25°	49.8	45.9	51.7	57.7	64.1	49.8	27.1	205.5	423.2	563.8	669.1
26°	45.3	41.6	45.0	52.5	61.4	50.9	26.9	200.3	416.9	545.7	683.7
27°	40.4	37.3	41.6	47.7	57.6	51.4	27.2	195.2	418.8	530.6	698.7
28°	36.6	31.8	35.8	42.5	53.4	51.3	27.6	190.6	419.7	523.0	713.6
29°	30.9	26.3	31.3	37.5	49.5	50.5	28.0	187.1	417.2	510.3	722.9
30°	25.9	20.7	26.1	33.4	45.9	49.3	28.9	180.0	416.3	507.4	729.6
31°	20.9	15.1	21.0	28.8	41.8	47.6	30.0	172.4	413.1	502.0	733.7
32°	15.9	12.2	15.9	24.8	37.8	46.0	30.9	166.4	405.4	503.8	733.6
33°	12.6	11.2	12.7	20.8	33.9	43.7	31.3	162.5	393.8	506.5	732.3
34°	10.6	10.2	10.8	16.8	30.3	41.5	32.1	157.8	385.9	511.1	730.4
35°	8.9	9.0	9.2	14.2	27.0	39.0	32.8	149.1	381.4	514.3	729.7
36°	7.8	8.1	7.7	12.0	23.7	36.2	33.2	142.3	370.0	513.9	730.4
37°	7.1	6.0	7.0	9.9	20.9	33.4	32.8	136.8	354.7	512.2	729.5
38°	5.5	5.4	5.6	8.1	18.1	30.8	32.3	132.3	342.6	509.7	729.4
39°	4.7	4.8	4.7	6.5	15.2	28.3	31.6	125.5	332.6	506.1	727.7
40°	4.1	4.0	3.9	5.5	12.8	25.9	30.8	118.7	323.9	503.3	727.3
41°	3.4	0.7	3.5	4.5	10.8	23.8	29.9	113.2	311.1	501.6	729.8
42°	0.4	0.2	0.8	3.3	9.1	21.6	28.5	110.1	296.4	496.8	732.7
43°	0.2	0.2	0.2	2.5	7.5	19.4	27.1	103.8	286.9	494.2	734.1
44°	0.2	0.2	0.2	2.1	6.0	17.2	25.7	100.0	279.6	492.9	736.9

REPORT NUMBER: P1444947

CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.2	0.3	0.2	0.9	4.9	15.4	24.4	95.3	271.0	490.4	740.9
46°	0.3	0.3	0.3	0.2	3.9	13.7	23.0	89.0	261.3	488.6	741.1
47°	0.3	0.3	0.3	0.2	3.0	12.2	21.6	82.6	252.0	488.3	738.5
48°	0.3	0.3	0.3	0.2	1.9	10.7	20.2	76.2	242.6	487.5	738.8
49°	0.3	0.3	0.3	0.3	1.3	9.2	18.8	70.2	234.8	487.6	734.0
50°	0.3	0.3	0.3	0.3	0.9	7.8	17.4	64.3	227.1	483.0	731.0
51°	0.3	0.3	0.3	0.3	0.3	6.6	15.9	58.1	220.1	479.8	736.6
52°	0.3	0.4	0.3	0.3	0.2	5.6	14.5	53.2	211.9	475.6	742.4
53°	0.4	0.4	0.4	0.3	0.2	4.7	13.2	47.6	206.1	471.1	741.3
54°	0.4	0.4	0.4	0.3	0.2	3.7	11.9	43.7	199.7	465.4	738.4
55°	0.4	0.4	0.4	0.3	0.3	2.9	10.7	39.0	193.3	462.3	734.3
56°	0.4	0.4	0.4	0.3	0.3	2.1	9.6	35.1	186.2	455.1	730.2
57°	0.4	0.4	0.4	0.4	0.3	1.5	8.6	32.2	181.1	448.2	729.6
58°	0.4	0.5	0.4	0.4	0.3	0.9	7.6	30.7	176.2	442.2	731.4
59°	0.5	0.5	0.5	0.4	0.3	0.6	6.6	28.7	171.7	436.4	734.0
60°	0.5	0.5	0.5	0.4	0.3	0.3	5.8	26.2	167.2	429.3	733.1
61°	0.5	0.5	0.5	0.4	0.3	0.2	5.1	24.8	161.7	421.3	730.5
62°	0.5	0.5	0.5	0.4	0.3	0.2	4.5	23.5	157.2	416.6	725.6
63°	0.5	0.6	0.5	0.5	0.3	0.2	3.9	22.3	153.7	410.9	718.1
64°	0.6	0.6	0.6	0.5	0.4	0.2	3.4	21.2	149.2	404.0	708.5
65°	0.6	0.6	0.6	0.5	0.4	0.2	3.0	20.1	145.7	397.9	701.7
66°	0.6	0.6	0.6	0.5	0.4	0.2	2.6	19.0	142.4	389.7	696.6
67°	0.6	0.7	0.6	0.5	0.4	0.2	2.1	17.8	138.2	381.4	688.8
68°	0.6	0.7	0.6	0.6	0.4	0.3	1.7	16.7	134.6	372.6	673.9
69°	0.7	0.7	0.7	0.6	0.4	0.3	1.4	15.6	130.4	364.5	666.0
70°	0.7	0.7	0.7	0.6	0.4	0.3	1.1	14.5	126.1	356.7	660.4
71°	0.7	0.8	0.7	0.6	0.4	0.3	0.8	13.4	122.1	348.5	650.5
72°	0.7	0.8	0.7	0.6	0.5	0.3	0.5	12.4	118.3	340.1	642.2
73°	0.8	0.8	0.8	0.6	0.5	0.3	0.4	11.4	113.8	331.5	631.1
74°	0.8	0.8	0.8	0.7	0.5	0.3	0.3	10.4	109.5	323.7	614.9
75°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	9.5	105.7	314.9	600.0
76°	0.8	0.9	0.8	0.7	0.5	0.3	0.2	8.6	101.8	301.8	586.3
77°	0.8	0.9	0.8	0.7	0.5	0.3	0.2	7.6	97.4	293.0	576.0
78°	0.9	0.9	0.9	0.7	0.5	0.3	0.2	6.7	93.1	283.2	562.1
79°	0.9	0.9	0.9	0.7	0.5	0.3	0.2	5.9	89.1	274.1	549.3
80°	0.9	0.9	0.9	0.8	0.6	0.3	0.2	5.1	85.1	264.1	537.6
81°	0.9	1.0	0.9	0.8	0.6	0.3	0.2	4.3	81.1	255.3	518.4
82°	0.9	1.0	0.9	0.8	0.6	0.4	0.2	3.6	77.3	245.5	505.6
83°	0.9	1.0	0.9	0.8	0.6	0.4	0.2	2.8	74.0	236.2	486.7
84°	1.0	1.0	1.0	0.8	0.6	0.4	0.2	2.1	70.4	226.5	470.4
85°	1.0	1.0	1.0	0.8	0.6	0.4	0.2	1.5	67.6	218.5	455.2
86°	1.0	1.0	1.0	0.8	0.6	0.4	0.2	1.0	65.4	211.3	439.9
87°	1.0	1.0	1.0	0.8	0.6	0.4	0.2	0.6	63.3	204.6	423.1
88°	1.0	1.1	1.0	0.9	0.6	0.4	0.2	0.3	62.1	200.1	408.9
89°	1.0	1.1	1.0	0.9	0.6	0.4	0.2	0.2	60.8	196.1	398.2

REPORT NUMBER: P1444947

CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	1.1	1.1	1.0	0.9	0.7	0.4	0.2	0.1	59.3	192.9	387.6
91°	1.1	1.1	1.1	0.9	0.7	0.4	0.2	0.1	57.7	190.3	377.9
92°	1.1	1.1	1.1	0.9	0.7	0.4	0.2	0.1	55.0	185.4	372.0
93°	1.1	1.1	1.1	0.9	0.7	0.4	0.2	0.1	52.7	180.1	365.4
94°	1.1	1.2	1.1	0.9	0.7	0.4	0.2	0.1	50.4	174.6	357.2
95°	1.1	1.2	1.1	0.9	0.7	0.4	0.2	0.1	48.1	168.3	347.5
96°	1.1	1.2	1.1	1.0	0.7	0.4	0.2	0.1	46.2	162.0	336.3
97°	1.1	1.2	1.1	1.0	0.7	0.5	0.2	0.1	44.5	157.2	327.1
98°	1.2	1.2	1.1	1.0	0.7	0.5	0.2	0.1	42.8	152.8	318.2
99°	1.2	1.2	1.2	1.0	0.7	0.5	0.3	0.1	41.2	147.8	310.3
100°	1.2	1.2	1.2	1.0	0.7	0.5	0.3	0.1	39.7	143.2	301.2
101°	1.2	1.2	1.2	1.0	0.7	0.5	0.3	0.1	38.3	138.9	292.6
102°	1.2	1.3	1.2	1.0	0.7	0.5	0.3	0.1	36.6	133.6	283.0
103°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	34.9	128.1	273.2
104°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	33.4	122.9	263.2
105°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	31.9	118.0	253.4
106°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	30.4	113.0	243.8
107°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	29.1	108.5	234.2
108°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	27.8	104.3	225.1
109°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	26.7	100.1	216.2
110°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	25.5	95.9	207.2
111°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	24.4	93.3	198.2
112°	1.2	1.2	1.2	1.0	0.8	0.5	0.3	0.1	23.2	88.2	189.6
113°	1.2	1.2	1.2	1.0	0.8	0.5	0.3	0.1	22.2	83.1	181.2
114°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	21.1	79.3	173.1
115°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	20.1	75.6	165.2
116°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	19.1	71.9	157.6
117°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	18.1	68.4	150.4
118°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	17.1	65.0	143.7
119°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	16.1	61.8	136.6
120°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	15.0	58.6	129.7
121°	1.1	1.2	1.1	1.0	0.8	0.5	0.3	0.1	14.1	55.7	123.1
122°	1.1	1.1	1.1	1.0	0.8	0.5	0.4	0.1	13.5	52.7	117.1
123°	1.1	1.1	1.1	1.0	0.8	0.6	0.4	0.1	13.1	49.6	111.4
124°	1.1	1.1	1.1	1.0	0.8	0.6	0.4	0.1	12.6	46.7	105.9
125°	1.1	1.1	1.1	1.0	0.8	0.6	0.4	0.1	12.0	44.2	100.7
126°	1.1	1.1	1.1	1.0	0.8	0.6	0.4	0.1	11.6	41.8	95.9
127°	1.1	1.1	1.1	1.0	0.8	0.6	0.4	0.1	11.2	39.8	91.0
128°	1.1	1.1	1.1	1.0	0.8	0.6	0.4	0.1	11.0	37.9	86.2
129°	1.1	1.1	1.1	1.0	0.8	0.6	0.4	0.1	10.8	36.2	81.4
130°	1.1	1.1	1.1	1.0	0.8	0.6	0.4	0.1	10.8	34.7	77.1
131°	1.1	1.1	1.1	1.0	0.8	0.6	0.4	0.1	10.7	33.0	72.8
132°	1.1	1.1	1.1	1.0	0.8	0.6	0.5	0.1	10.2	31.4	68.2
133°	1.1	1.1	1.1	1.0	0.9	0.7	0.5	0.2	9.5	29.5	63.8
134°	1.1	1.1	1.1	1.0	0.9	0.7	0.5	0.2	8.7	27.5	59.3

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CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	1.1	1.1	1.1	1.0	0.9	0.7	0.5	0.2	8.0	25.9	55.1
136°	1.1	1.1	1.1	1.0	0.9	0.7	0.5	0.2	7.6	24.6	51.2
137°	1.1	1.1	1.1	1.0	0.9	0.7	0.5	0.2	7.3	23.4	47.9
138°	1.1	1.1	1.1	1.0	0.9	0.7	0.5	0.2	7.1	22.3	45.1
139°	1.1	1.1	1.1	1.0	0.9	0.7	0.5	0.2	6.8	21.3	42.6
140°	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.2	6.4	20.5	40.1
141°	1.0	1.1	1.1	1.0	0.9	0.7	0.6	0.2	6.0	19.9	37.8
142°	1.0	1.1	1.1	1.0	0.9	0.7	0.6	0.2	5.6	19.5	35.7
143°	1.0	1.1	1.1	1.0	0.9	0.7	0.6	0.2	5.2	19.1	33.9
144°	1.0	1.1	1.1	1.0	0.9	0.7	0.6	0.2	4.8	18.7	32.4
145°	1.0	1.1	1.1	1.0	0.9	0.8	0.6	0.3	4.5	18.1	31.0
146°	1.0	1.1	1.1	1.0	0.9	0.8	0.6	0.3	4.1	17.3	29.7
147°	1.0	1.0	1.0	1.0	0.9	0.8	0.6	0.3	3.7	16.2	28.5
148°	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.3	3.3	15.3	27.6
149°	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.3	3.0	14.4	26.6
150°	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.3	2.7	13.7	25.2
151°	0.9	1.0	1.0	1.0	0.9	0.8	0.7	0.3	2.4	12.9	23.7
152°	0.9	1.0	1.0	0.9	0.9	0.8	0.7	0.3	2.1	12.0	22.2
153°	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.4	1.8	11.1	20.7
154°	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.4	1.5	10.4	19.2
155°	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.4	1.1	9.6	17.7
156°	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.4	0.7	8.8	16.3
157°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.5	8.0	15.0
158°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4	7.2	13.7
159°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4	6.5	12.6
160°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.4	0.4	5.9	11.5
161°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.5	0.4	5.2	10.3
162°	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.5	0.4	4.4	9.2
163°	0.7	0.6	0.6	0.7	0.7	0.7	0.8	0.5	0.4	3.6	8.1
164°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.5	0.4	2.8	7.0
165°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.5	0.4	2.0	6.3
166°	0.6	0.6	0.5	0.6	0.6	0.7	0.7	0.5	0.5	1.3	5.5
167°	0.6	0.5	0.5	0.5	0.6	0.6	0.7	0.5	0.5	0.7	4.5
168°	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.5	0.5	0.4	3.5
169°	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.5	0.5	0.4	2.4
170°	0.5	0.5	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	1.3
171°	0.5	0.5	0.4	0.4	0.5	0.6	0.6	0.5	0.5	0.5	0.6
172°	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.4
173°	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.5	0.4
174°	0.5	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.5	0.5	0.4
175°	0.5	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.5	0.5	0.5
176°	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.5
177°	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.5	0.5
178°	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.5	0.5
179°	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

REPORT NUMBER: P1444947

CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	335.7	335.7	335.7
1°	370.4	374.6	379.2
2°	399.7	406.6	414.3
3°	449.0	462.4	471.1
4°	490.8	499.2	503.3
5°	514.9	532.6	538.8
6°	553.4	583.9	586.6
7°	595.2	620.2	623.2
8°	624.0	663.5	674.7
9°	662.3	707.7	717.7
10°	704.5	744.4	753.3
11°	731.6	759.5	766.4
12°	748.6	784.7	779.8
13°	770.3	783.0	772.3
14°	764.9	760.2	748.6
15°	752.7	743.7	751.7
16°	724.0	736.9	748.0
17°	722.9	747.0	745.4
18°	713.6	760.2	778.1
19°	718.6	782.5	811.0
20°	734.9	814.0	833.1
21°	753.8	845.2	856.2
22°	783.5	862.5	881.4
23°	806.5	886.8	902.9
24°	821.5	902.0	920.9
25°	837.1	919.8	937.0
26°	851.7	930.2	954.7
27°	861.2	942.9	965.4
28°	871.2	954.1	976.0
29°	881.9	963.8	995.7
30°	892.4	978.6	1010.7
31°	904.4	987.9	1011.9
32°	911.7	994.6	1021.6
33°	917.8	1004.3	1039.7
34°	927.7	1016.7	1048.1
35°	936.4	1030.5	1061.5
36°	945.8	1042.2	1076.4
37°	953.6	1055.3	1086.2
38°	956.2	1072.9	1108.4
39°	966.1	1084.8	1114.8
40°	973.9	1093.8	1127.5
41°	978.6	1109.7	1137.0
42°	987.2	1109.9	1125.9
43°	989.4	1104.9	1127.9
44°	989.4	1103.8	1104.7

REPORT NUMBER: P1444947

CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	986.4	1089.7	1100.2
46°	978.2	1107.4	1161.7
47°	970.6	1160.6	1195.1
48°	984.1	1165.7	1148.9
49°	1004.0	1135.5	1146.1
50°	1000.5	1136.0	1169.4
51°	1004.1	1149.0	1172.4
52°	1004.3	1148.6	1176.0
53°	990.6	1161.8	1202.5
54°	990.6	1180.1	1209.1
55°	999.0	1184.7	1200.1
56°	1007.0	1181.0	1197.7
57°	1010.2	1187.9	1199.7
58°	1014.5	1185.9	1191.9
59°	1014.2	1172.8	1162.8
60°	1013.4	1147.9	1143.1
61°	1001.4	1136.5	1138.2
62°	984.6	1128.4	1139.6
63°	973.7	1130.2	1122.2
64°	974.2	1105.6	1092.0
65°	967.1	1082.8	1076.7
66°	949.2	1078.1	1071.8
67°	938.3	1061.3	1049.1
68°	931.0	1045.7	1045.4
69°	919.1	1034.6	1026.5
70°	909.4	1027.2	1023.6
71°	894.2	993.4	976.9
72°	868.6	956.8	966.8
73°	834.0	953.8	949.6
74°	827.6	940.8	938.4
75°	815.0	919.3	912.5
76°	796.6	901.8	905.3
77°	781.6	883.2	884.5
78°	761.1	867.2	868.3
79°	744.2	855.4	857.1
80°	725.4	825.5	826.0
81°	706.7	811.8	814.8
82°	687.3	788.3	793.7
83°	664.9	760.2	769.0
84°	641.8	739.4	753.1
85°	627.2	724.1	739.6
86°	605.1	695.9	713.2
87°	585.5	682.6	699.7
88°	566.0	661.2	677.4
89°	546.6	639.0	656.9

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CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	530.0	618.9	636.4
91°	510.4	598.3	617.3
92°	495.8	575.6	596.4
93°	488.6	560.0	579.3
94°	481.1	553.4	571.8
95°	471.5	549.4	568.5
96°	459.4	537.7	559.3
97°	447.7	524.6	547.0
98°	436.4	510.6	532.7
99°	427.7	499.2	520.7
100°	417.8	491.6	512.2
101°	408.2	482.0	503.6
102°	398.1	471.3	493.4
103°	388.4	462.1	483.3
104°	378.2	451.1	473.7
105°	368.0	440.8	463.6
106°	356.7	429.8	452.5
107°	345.9	417.8	441.1
108°	334.6	406.2	429.2
109°	323.6	393.8	416.3
110°	312.8	381.9	403.7
111°	302.3	369.6	391.0
112°	291.6	357.2	378.9
113°	281.7	346.2	367.4
114°	271.7	334.8	355.3
115°	261.5	323.5	344.0
116°	251.9	312.6	332.5
117°	241.9	301.3	320.8
118°	232.7	290.9	309.9
119°	223.6	280.6	298.9
120°	214.9	269.7	288.5
121°	205.4	259.5	277.2
122°	196.5	249.6	266.7
123°	187.9	239.2	256.6
124°	179.2	229.5	246.2
125°	171.0	219.7	235.8
126°	162.6	210.3	225.5
127°	154.5	200.9	215.8
128°	146.8	191.7	206.2
129°	138.6	182.6	196.9
130°	130.8	173.6	187.5
131°	123.0	164.7	178.5
132°	115.6	155.7	169.3
133°	108.2	147.2	160.3
134°	100.8	138.9	151.9

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CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	93.8	130.8	143.2
136°	87.4	122.7	134.8
137°	81.0	114.5	126.4
138°	74.6	106.6	118.3
139°	69.0	98.2	109.9
140°	63.8	90.5	101.8
141°	58.7	82.7	93.9
142°	54.1	75.0	86.0
143°	49.4	67.6	78.0
144°	45.1	60.6	70.1
145°	41.3	54.4	62.4
146°	38.1	48.6	54.8
147°	35.5	43.7	47.8
148°	33.4	39.5	41.3
149°	31.8	36.3	37.0
150°	31.3	35.2	36.3
151°	30.6	35.3	37.0
152°	29.2	34.2	35.7
153°	27.7	32.5	33.9
154°	26.0	30.5	32.0
155°	24.1	28.3	29.8
156°	22.2	26.3	27.7
157°	20.6	24.5	25.9
158°	19.2	23.0	24.3
159°	17.9	21.5	22.7
160°	16.5	20.0	21.2
161°	15.1	18.2	19.3
162°	13.6	16.5	17.5
163°	12.1	14.8	15.8
164°	10.7	13.2	14.1
165°	9.5	11.6	12.5
166°	8.3	10.2	10.9
167°	7.1	8.8	9.6
168°	6.2	7.5	8.3
169°	5.1	6.5	6.9
170°	3.8	5.3	5.8
171°	2.4	3.9	4.4
172°	1.1	2.3	2.9
173°	0.4	1.0	1.3
174°	0.4	0.4	0.4
175°	0.4	0.4	0.4
176°	0.4	0.4	0.4
177°	0.4	0.4	0.4
178°	0.4	0.4	0.4
179°	0.5	0.4	0.4

REPORT NUMBER: P1444947

CATALOG NUMBER: CWP30 (18W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.4	0.4	0.4

(END OF REPORT)