

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: P1444945

Luminaire Tested: CWP30 (18W-3000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444945
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-3000K)
Description: COMPACT WALL PACK, 30W
SET TO 18W, 3000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2288.3 lumens
Efficiency: N/A
Efficacy: 125.7 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



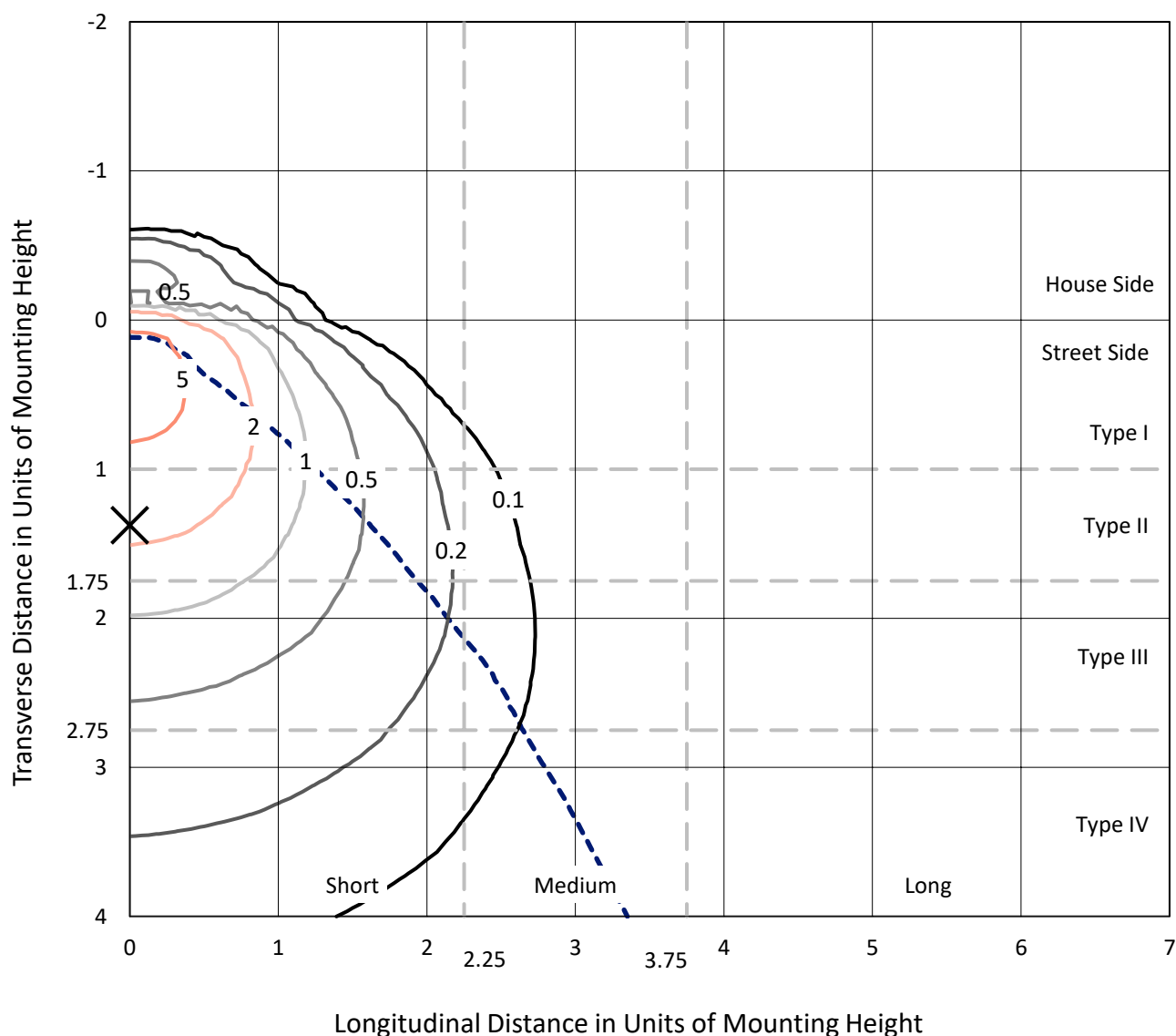
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CATALOG NUMBER: CWP30 (18W-3000K)

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



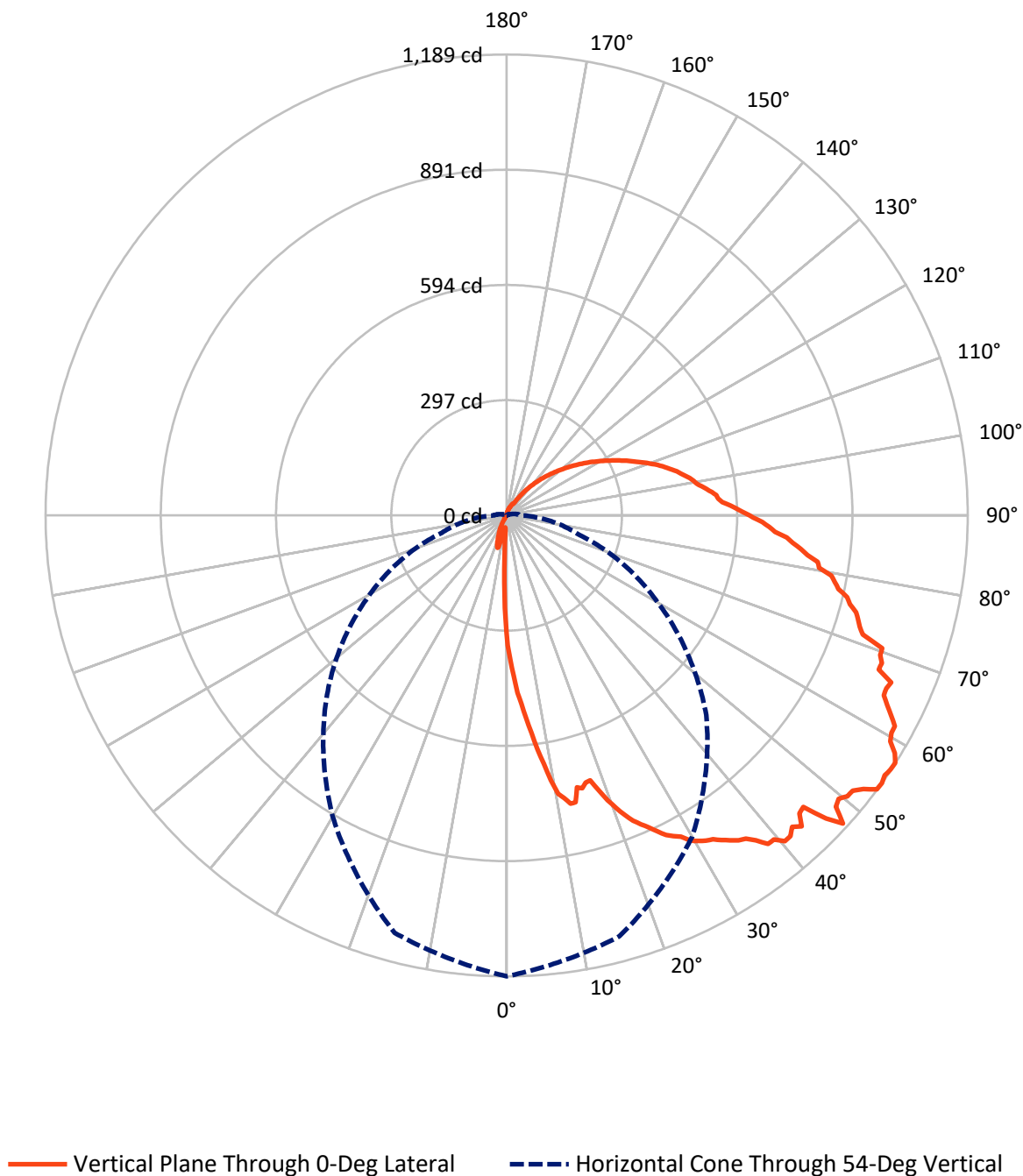
Based on 10 foot mounting height. Maximum calculated value = 6.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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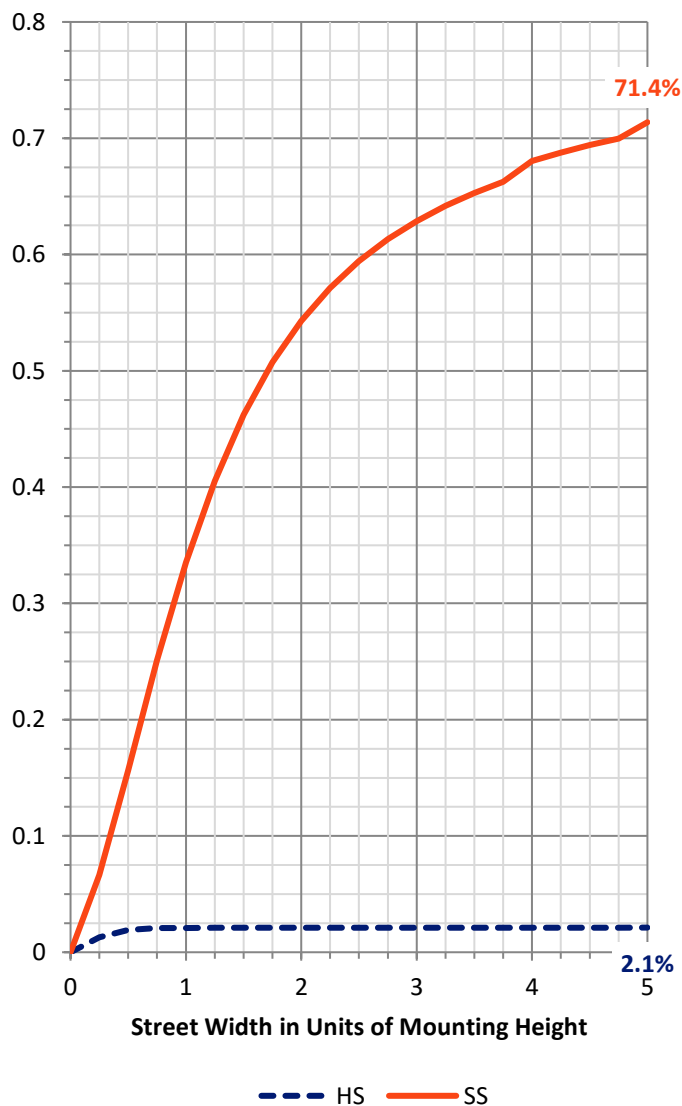
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.2	2.2	51.4
	% Fixture	2.2	0.1	2.2
Street Side	Lumens	1793.6	443.3	2236.9
	% Fixture	78.4	19.4	97.8
Total	Lumens	1842.8	445.5	2288.3
	% Fixture	80.5	19.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	1.3
10°-20°	94.9	4.1
20°-30°	159.9	7.0
30°-40°	219.3	9.6
40°-50°	264.1	11.5
50°-60°	296.7	13.0
60°-70°	300.3	13.1
70°-80°	267.6	11.7
80°-90°	211.2	9.2
90°-100°	158.9	6.9
100°-110°	119.8	5.2
110°-120°	80.2	3.5
120°-130°	47.8	2.1
130°-140°	24.3	1.1
140°-150°	9.6	0.4
150°-160°	3.8	0.2
160°-170°	1.0	0.0
170°-180°	0.1	0.0
0°-90°	1842.8	80.5
0°-180°	2288.3	100.0

Coefficient of Utilization



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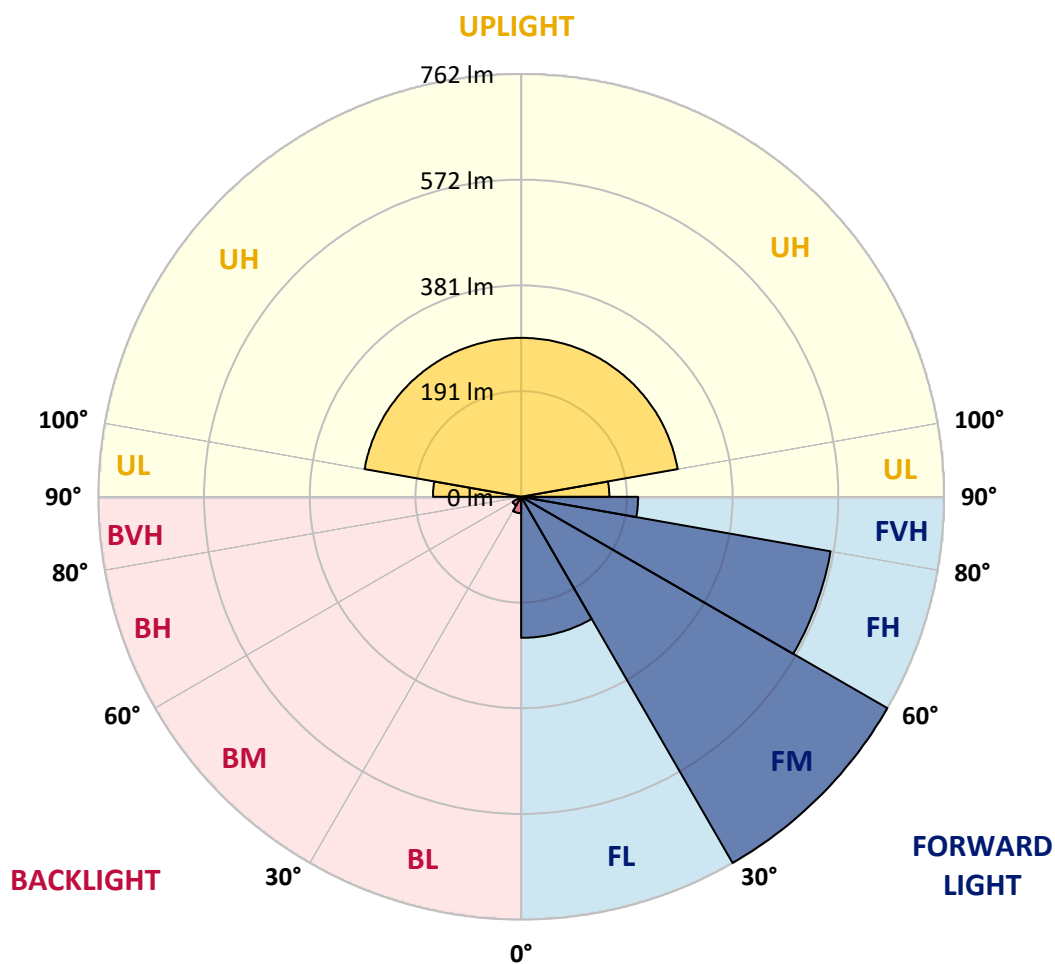
CATALOG NUMBER: CWP30 (18W-3000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.2	11.1			
FM	(30°-60°)	762.3	33.3			
FH	(60°-80°)	566.3	24.7			G0/660
FVH	(80°-90°)	210.8	9.2			G2/225
BL	(0°-30°)	29.5	1.3	B0/110		
BM	(30°-60°)	17.8	0.8	B0/220		
BH	(60°-80°)	1.5	0.1	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	158.9	6.9		U3/500	
UH	(100°-180°)	286.6	12.5		U3/500	

BUG Rating: B0-U3-G2

Type IV Short



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CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	335.6	335.6	335.6	335.6	335.6	335.6	335.6	335.6	335.6	335.6	335.6
1°	374.5	373.4	370.6	367.3	361.9	353.5	322.5	305.1	288.2	276.9	274.2
2°	412.6	409.0	401.1	387.9	375.4	360.3	322.3	282.4	252.4	227.2	215.7
3°	458.1	454.3	443.5	415.2	385.8	363.6	318.8	258.8	216.6	177.5	157.2
4°	487.2	480.8	471.8	447.3	406.6	372.4	317.1	242.2	181.0	140.3	93.9
5°	525.6	515.7	493.0	469.6	431.6	377.8	316.0	224.1	154.7	83.8	49.9
6°	564.7	558.4	526.9	491.9	453.0	387.8	314.8	206.1	121.3	50.0	37.1
7°	607.9	600.4	564.0	514.5	468.9	400.0	315.5	188.0	81.1	38.3	32.3
8°	647.4	628.7	604.0	546.5	484.2	412.4	317.0	175.4	55.0	34.2	30.8
9°	692.4	673.4	630.0	582.6	501.9	415.8	309.7	157.6	42.1	31.8	31.4
10°	730.0	713.2	671.0	607.8	514.7	421.0	301.8	139.6	37.2	31.5	32.8
11°	743.9	727.6	710.0	635.3	529.3	427.8	293.2	117.8	34.3	32.6	35.4
12°	761.5	751.5	727.4	660.8	545.1	436.7	289.2	97.2	32.5	33.8	39.1
13°	760.4	766.4	743.6	685.1	560.7	442.5	288.2	78.4	31.6	36.0	44.6
14°	724.4	739.9	760.4	701.7	572.2	448.7	285.4	65.2	31.7	39.4	53.5
15°	730.1	725.7	754.9	705.6	591.7	441.6	269.6	52.6	32.4	43.4	64.5
16°	718.4	713.6	723.6	711.1	609.5	429.7	258.8	44.0	33.5	48.7	74.3
17°	716.2	722.0	727.6	722.2	612.3	424.5	246.2	38.9	35.3	54.3	81.4
18°	747.4	733.4	705.4	720.0	618.2	416.0	235.2	35.5	38.1	60.9	85.1
19°	778.8	752.8	702.4	698.4	623.9	415.4	228.2	33.1	40.3	66.8	84.3
20°	805.0	782.1	710.2	682.8	614.4	422.2	221.6	31.3	43.0	71.5	80.0
21°	829.8	815.1	727.0	677.4	606.6	427.2	215.1	30.3	45.7	73.2	75.7
22°	852.0	830.4	756.3	653.0	609.6	417.9	208.6	29.1	48.6	73.7	71.1
23°	868.4	849.4	776.1	643.2	612.6	420.0	201.4	28.6	51.5	71.7	66.7
24°	884.1	863.4	794.0	644.0	608.8	418.2	195.3	28.3	53.5	70.0	60.6
25°	902.5	876.6	811.8	658.0	590.0	416.6	191.2	28.9	55.1	66.1	55.2
26°	921.1	893.1	829.0	674.2	566.0	417.4	183.2	29.9	55.7	62.1	50.6
27°	932.1	908.3	843.8	688.8	543.7	409.6	178.9	31.0	56.0	57.5	45.9
28°	942.4	918.9	853.7	702.7	539.6	405.5	176.2	32.2	55.0	53.5	41.1
29°	963.2	937.1	864.7	715.0	528.3	403.8	172.0	33.5	53.0	49.4	36.7
30°	974.3	953.7	872.2	724.7	512.8	408.1	166.0	35.2	51.3	45.3	32.4
31°	983.2	968.1	880.8	728.2	502.2	407.4	160.4	37.1	49.3	41.0	27.9
32°	990.3	978.1	892.3	729.3	495.3	400.2	152.2	37.9	46.9	36.7	24.1
33°	1003.9	990.0	901.5	728.3	497.9	395.7	146.1	38.9	44.5	32.9	20.2
34°	1016.3	996.9	909.3	725.1	500.9	388.0	140.0	39.5	42.0	29.6	16.4
35°	1029.0	1004.1	918.1	725.6	505.2	377.1	135.7	39.7	39.4	26.2	13.6
36°	1036.7	1013.2	923.3	724.2	505.7	370.3	129.0	39.7	36.8	23.1	11.1
37°	1056.3	1024.5	931.2	725.9	506.8	364.7	120.2	39.6	34.0	20.0	9.0
38°	1082.3	1042.1	936.9	725.8	505.8	356.1	113.5	39.2	31.1	16.9	7.7
39°	1083.1	1051.3	945.1	724.6	504.3	342.4	108.7	38.1	28.7	14.2	6.5
40°	1104.8	1057.4	953.7	720.3	500.7	334.1	104.6	36.7	26.4	12.1	5.4
41°	1104.1	1073.1	953.8	723.8	497.6	330.9	100.6	35.1	24.0	10.2	4.1
42°	1088.9	1069.0	961.5	723.9	494.0	320.0	95.2	33.3	21.9	8.3	3.2
43°	1105.2	1065.8	964.7	727.1	490.8	307.5	90.6	31.4	19.7	6.8	2.6
44°	1077.1	1065.9	961.4	724.9	489.4	294.5	85.3	29.5	17.5	5.6	2.1

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CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1072.5	1046.7	963.1	724.7	487.3	280.4	80.9	27.4	15.6	4.5	0.4
46°	1135.1	1051.3	957.3	729.1	484.4	267.1	77.7	25.5	13.8	3.5	0.2
47°	1175.9	1104.4	944.9	726.5	483.2	254.9	73.6	23.5	12.1	2.4	0.2
48°	1133.5	1125.2	942.8	727.0	480.6	241.8	67.5	21.8	10.3	1.6	0.2
49°	1125.5	1099.0	968.0	725.0	476.0	232.5	61.9	20.1	8.6	1.2	0.2
50°	1138.2	1086.3	973.1	718.3	474.3	222.0	57.6	18.4	7.2	0.6	0.2
51°	1140.0	1092.1	963.9	718.0	469.8	214.3	53.1	16.9	6.1	0.2	0.2
52°	1159.4	1095.1	968.4	728.3	463.8	207.3	47.6	15.5	5.0	0.2	0.3
53°	1187.6	1110.7	964.8	731.2	458.2	200.3	42.1	14.2	4.1	0.2	0.3
54°	1188.5	1123.6	956.6	727.4	450.2	194.2	38.2	12.9	3.2	0.2	0.3
55°	1182.7	1126.4	960.4	721.9	444.7	188.2	34.0	11.6	2.4	0.2	0.3
56°	1186.9	1127.0	969.1	718.4	441.2	181.8	31.1	10.4	1.6	0.2	0.3
57°	1187.7	1129.7	974.4	716.6	440.1	175.4	27.5	9.3	1.0	0.2	0.3
58°	1173.8	1128.1	978.3	715.6	430.2	169.5	24.7	8.3	0.6	0.2	0.3
59°	1147.6	1110.7	976.2	716.2	421.0	164.1	22.6	7.4	0.3	0.3	0.4
60°	1139.3	1090.0	975.0	713.4	413.1	159.5	20.6	6.5	0.2	0.3	0.4
61°	1138.9	1088.4	963.5	710.4	406.3	155.4	18.5	5.7	0.2	0.3	0.4
62°	1117.7	1082.2	954.6	707.8	399.9	151.1	16.8	4.9	0.2	0.3	0.4
63°	1096.5	1069.2	951.6	706.3	393.0	146.3	15.2	4.3	0.2	0.3	0.4
64°	1077.2	1043.5	944.5	695.7	386.8	141.8	13.7	3.6	0.2	0.3	0.4
65°	1075.6	1030.9	931.6	687.8	380.1	137.8	12.6	3.0	0.2	0.3	0.5
66°	1080.7	1030.9	913.7	681.4	374.1	134.3	11.7	2.5	0.2	0.3	0.5
67°	1038.1	1018.1	906.0	673.9	366.2	130.3	10.7	2.0	0.2	0.4	0.5
68°	1039.6	988.9	904.9	660.9	356.5	127.0	9.8	1.5	0.2	0.4	0.5
69°	1028.3	983.2	884.2	651.8	349.6	123.4	8.9	1.2	0.2	0.4	0.5
70°	1026.7	980.7	871.4	648.1	342.0	119.2	7.9	0.8	0.2	0.4	0.5
71°	968.0	952.7	862.5	634.9	332.4	115.1	7.0	0.5	0.2	0.4	0.6
72°	954.2	905.6	850.3	625.2	325.4	111.0	6.2	0.4	0.3	0.4	0.6
73°	944.9	904.5	814.2	619.5	318.7	107.3	5.3	0.3	0.3	0.4	0.6
74°	934.8	891.5	802.6	604.6	309.1	103.1	4.6	0.2	0.3	0.4	0.6
75°	914.2	876.8	786.1	584.0	301.0	99.6	3.9	0.2	0.3	0.5	0.6
76°	902.6	859.3	769.6	570.4	291.6	95.8	3.2	0.2	0.3	0.5	0.6
77°	876.2	845.0	753.8	560.6	279.8	91.7	2.7	0.2	0.3	0.5	0.7
78°	863.0	827.2	735.8	547.1	270.8	87.6	2.2	0.2	0.3	0.5	0.7
79°	851.5	810.2	718.4	534.2	262.1	83.4	1.8	0.2	0.3	0.5	0.7
80°	816.5	781.3	704.7	520.0	253.2	79.8	1.4	0.2	0.3	0.5	0.7
81°	811.0	778.7	678.8	506.0	243.4	76.1	1.2	0.2	0.3	0.5	0.7
82°	782.5	750.8	667.3	489.7	233.9	73.0	0.9	0.2	0.3	0.5	0.7
83°	763.2	729.5	643.0	473.9	226.6	69.6	0.7	0.2	0.3	0.6	0.8
84°	740.9	709.4	626.5	457.4	216.0	66.2	0.5	0.2	0.3	0.6	0.8
85°	724.3	691.4	607.6	440.5	208.0	63.3	0.3	0.2	0.4	0.6	0.8
86°	693.0	663.2	581.7	423.3	199.8	60.5	0.2	0.2	0.4	0.6	0.8
87°	677.6	649.2	566.5	408.6	194.0	58.4	0.1	0.2	0.4	0.6	0.8
88°	659.5	631.4	547.8	394.0	188.4	56.7	0.1	0.2	0.4	0.6	0.8
89°	635.7	609.5	528.5	382.9	184.8	55.4	0.1	0.2	0.4	0.6	0.8

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CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	615.7	589.6	512.1	374.2	181.2	53.9	0.1	0.2	0.4	0.6	0.8
91°	596.7	571.0	495.4	364.0	178.3	52.5	0.1	0.2	0.4	0.6	0.9
92°	577.3	552.1	478.8	356.1	175.0	50.6	0.1	0.2	0.4	0.6	0.9
93°	557.2	534.5	470.7	349.9	169.6	48.3	0.1	0.2	0.4	0.7	0.9
94°	547.3	526.8	462.6	341.8	164.8	46.2	0.1	0.2	0.4	0.7	0.9
95°	542.9	521.1	453.5	332.9	159.3	44.0	0.1	0.2	0.4	0.7	0.9
96°	532.3	511.5	442.5	324.0	153.1	42.0	0.1	0.2	0.4	0.7	0.9
97°	519.8	499.5	431.0	313.9	147.9	40.3	0.1	0.2	0.4	0.7	0.9
98°	507.8	486.7	420.1	304.8	143.5	38.7	0.1	0.2	0.5	0.7	0.9
99°	496.7	477.0	411.2	296.9	138.5	37.2	0.1	0.2	0.5	0.7	0.9
100°	490.0	469.8	403.5	288.0	134.0	35.8	0.1	0.2	0.5	0.7	0.9
101°	482.0	460.8	393.2	279.5	129.6	34.4	0.1	0.2	0.5	0.7	0.9
102°	471.4	450.3	383.4	270.2	125.3	33.1	0.1	0.3	0.5	0.7	0.9
103°	461.8	441.3	373.8	260.5	120.1	31.6	0.1	0.3	0.5	0.7	1.0
104°	452.9	430.7	363.2	251.5	115.2	30.1	0.1	0.3	0.5	0.7	1.0
105°	442.3	421.0	353.2	241.8	110.4	28.8	0.1	0.3	0.5	0.7	1.0
106°	431.8	410.4	342.6	232.4	105.6	27.5	0.1	0.3	0.5	0.7	1.0
107°	421.2	399.5	332.0	223.2	101.3	26.2	0.1	0.3	0.5	0.7	1.0
108°	409.8	388.0	321.3	213.8	96.9	25.0	0.1	0.3	0.5	0.7	1.0
109°	397.6	376.4	310.6	205.2	92.5	24.0	0.1	0.3	0.5	0.7	0.9
110°	385.8	364.9	300.0	196.7	88.7	23.0	0.1	0.3	0.5	0.7	1.0
111°	373.9	353.2	289.6	188.0	84.9	22.0	0.1	0.3	0.5	0.7	1.0
112°	361.5	341.4	279.5	179.7	81.0	21.1	0.1	0.3	0.5	0.7	0.9
113°	350.9	330.2	269.3	171.4	77.3	20.1	0.1	0.3	0.5	0.7	0.9
114°	339.7	319.8	260.0	163.9	73.6	19.1	0.1	0.3	0.5	0.7	0.9
115°	328.3	309.3	249.9	156.5	70.1	18.2	0.1	0.3	0.5	0.7	0.9
116°	317.8	298.8	240.7	149.3	66.9	17.3	0.1	0.3	0.5	0.7	0.9
117°	306.9	288.1	231.3	142.4	63.6	16.4	0.1	0.3	0.5	0.7	0.9
118°	296.0	277.8	221.8	136.0	60.4	15.5	0.1	0.3	0.5	0.7	0.9
119°	285.8	267.8	213.3	129.6	57.6	14.6	0.1	0.3	0.5	0.7	0.9
120°	275.7	257.6	204.7	122.8	54.8	13.5	0.1	0.3	0.5	0.7	0.9
121°	265.3	247.9	195.9	116.6	52.1	12.6	0.1	0.3	0.5	0.7	0.9
122°	255.4	238.3	187.5	110.5	49.4	12.0	0.1	0.3	0.5	0.7	0.9
123°	245.2	228.9	178.8	105.1	46.8	11.5	0.1	0.3	0.5	0.7	0.9
124°	235.5	219.3	170.9	99.8	44.1	11.2	0.1	0.3	0.5	0.7	0.9
125°	225.5	209.7	162.6	95.0	41.5	10.8	0.2	0.3	0.5	0.7	0.9
126°	216.2	200.7	155.0	90.4	39.2	10.4	0.2	0.3	0.5	0.7	0.9
127°	206.9	191.9	147.1	85.7	37.2	10.0	0.2	0.3	0.5	0.7	0.9
128°	197.9	183.0	139.6	81.0	35.4	9.7	0.2	0.3	0.5	0.7	0.9
129°	188.4	174.2	132.1	76.8	33.9	9.6	0.2	0.3	0.5	0.7	0.9
130°	179.6	165.6	124.5	72.7	32.5	9.5	0.2	0.3	0.5	0.7	0.9
131°	170.7	156.8	117.1	68.5	31.2	9.5	0.2	0.3	0.5	0.7	0.9
132°	162.3	148.6	109.9	64.4	29.8	9.3	0.2	0.3	0.5	0.7	0.9
133°	153.8	140.5	102.9	60.4	28.3	8.9	0.2	0.3	0.5	0.7	0.9
134°	145.4	132.5	96.1	56.5	26.5	8.4	0.2	0.4	0.5	0.7	0.9

REPORT NUMBER: P1444945

CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	137.3	124.6	89.8	52.6	24.8	7.6	0.2	0.4	0.5	0.7	0.9
136°	129.4	116.6	83.5	48.9	23.4	7.0	0.2	0.4	0.5	0.7	0.9
137°	121.2	109.1	77.3	45.7	22.2	6.7	0.2	0.4	0.5	0.7	0.9
138°	113.1	101.3	71.6	43.0	21.2	6.4	0.3	0.4	0.6	0.7	0.9
139°	105.3	93.8	66.6	40.4	20.3	6.2	0.3	0.4	0.6	0.7	0.9
140°	97.7	86.4	61.6	38.1	19.5	5.9	0.3	0.4	0.6	0.7	0.9
141°	90.0	78.9	56.9	35.9	18.9	5.6	0.3	0.4	0.6	0.7	0.9
142°	82.3	71.5	52.5	33.9	18.4	5.2	0.3	0.4	0.6	0.7	0.9
143°	74.6	64.4	48.2	32.3	18.0	4.9	0.3	0.4	0.6	0.7	0.9
144°	67.1	57.9	44.1	30.8	17.6	4.5	0.3	0.5	0.6	0.7	0.9
145°	59.8	52.3	40.5	29.6	17.1	4.2	0.3	0.5	0.6	0.7	0.9
146°	52.5	46.7	37.4	28.4	16.5	3.9	0.4	0.5	0.6	0.7	0.9
147°	45.5	42.1	34.7	27.3	15.6	3.5	0.4	0.5	0.6	0.7	0.9
148°	39.3	38.0	32.5	26.4	14.6	3.2	0.4	0.5	0.6	0.7	0.9
149°	35.2	34.9	30.7	25.5	13.7	2.8	0.4	0.5	0.6	0.7	0.8
150°	34.5	33.1	29.7	24.3	13.0	2.6	0.4	0.5	0.6	0.7	0.8
151°	35.1	33.2	29.1	23.0	12.3	2.4	0.4	0.5	0.6	0.7	0.8
152°	33.9	32.5	27.9	21.5	11.5	2.1	0.4	0.5	0.6	0.7	0.8
153°	32.2	30.9	26.4	20.1	10.8	1.9	0.5	0.5	0.6	0.7	0.8
154°	30.3	29.0	24.9	18.7	10.0	1.5	0.5	0.5	0.6	0.7	0.8
155°	28.3	27.0	23.1	17.2	9.3	1.2	0.5	0.5	0.6	0.7	0.8
156°	26.3	25.0	21.3	15.9	8.6	0.9	0.5	0.6	0.6	0.7	0.7
157°	24.6	23.3	19.6	14.7	7.9	0.7	0.5	0.6	0.6	0.7	0.7
158°	23.1	21.8	18.3	13.4	7.1	0.5	0.5	0.6	0.6	0.7	0.7
159°	21.6	20.4	17.0	12.2	6.4	0.5	0.5	0.6	0.6	0.7	0.7
160°	20.1	19.0	15.8	11.1	5.9	0.5	0.5	0.6	0.6	0.7	0.7
161°	18.4	17.4	14.5	10.1	5.3	0.5	0.5	0.6	0.6	0.6	0.7
162°	16.6	15.8	13.1	9.0	4.6	0.5	0.6	0.6	0.6	0.6	0.6
163°	15.0	14.2	11.6	8.0	3.8	0.5	0.6	0.6	0.6	0.6	0.6
164°	13.3	12.6	10.3	6.9	3.1	0.5	0.6	0.6	0.6	0.6	0.6
165°	11.8	11.1	9.1	6.2	2.3	0.5	0.6	0.6	0.6	0.6	0.6
166°	10.4	9.8	7.9	5.4	1.7	0.5	0.6	0.6	0.6	0.6	0.6
167°	9.0	8.5	6.8	4.6	1.0	0.5	0.6	0.6	0.6	0.6	0.6
168°	7.6	7.2	6.0	3.7	0.6	0.5	0.6	0.6	0.6	0.6	0.6
169°	6.6	6.2	5.0	2.7	0.5	0.5	0.6	0.6	0.6	0.6	0.6
170°	5.5	5.1	3.9	1.7	0.5	0.5	0.6	0.6	0.6	0.6	0.6
171°	4.2	3.8	2.6	0.8	0.5	0.5	0.6	0.6	0.6	0.6	0.5
172°	2.7	2.4	1.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5
173°	1.2	1.0	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	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5
175°	0.3	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5
176°	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5
177°	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5
178°	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5
179°	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5



REPORT NUMBER: P1444945
CATALOG NUMBER: CWP30 (18W-3000K)

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: P1444945

CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	335.6	335.6	335.6	335.6	335.6	335.6	335.6	335.6	335.6	335.6	335.6
1°	271.6	271.5	277.1	284.2	295.4	311.3	325.7	320.5	337.6	351.7	361.6
2°	207.8	205.5	213.3	225.0	248.5	271.9	308.4	320.7	350.0	365.8	379.7
3°	143.8	139.4	149.4	165.9	201.6	237.7	287.8	317.8	356.4	376.3	405.9
4°	71.5	68.1	78.7	112.2	154.7	203.4	266.2	315.2	356.8	394.8	438.5
5°	41.6	40.4	43.1	57.0	107.4	169.3	247.5	315.7	364.3	415.4	461.4
6°	33.8	33.5	34.3	38.7	61.4	144.9	228.9	313.5	372.8	439.0	477.9
7°	30.9	30.9	31.0	33.1	41.4	110.2	210.3	313.9	386.3	459.0	502.7
8°	31.1	31.4	30.7	30.8	34.9	75.8	191.7	302.9	389.7	471.3	531.5
9°	32.4	33.0	31.8	30.7	32.1	53.1	171.8	295.4	389.0	472.0	565.6
10°	34.7	35.7	34.3	31.7	30.4	41.2	154.3	287.4	389.8	486.2	587.4
11°	38.3	39.1	37.7	33.7	30.6	35.7	139.3	281.6	394.1	492.8	600.4
12°	43.8	44.4	42.6	36.8	31.2	32.3	125.2	274.8	396.9	504.6	622.9
13°	52.7	57.4	51.3	41.2	32.3	30.1	108.4	271.4	398.4	516.9	642.0
14°	68.1	72.1	64.9	47.6	34.4	28.8	92.0	266.7	403.1	521.2	652.6
15°	80.3	85.3	76.6	56.2	37.5	28.4	74.9	255.9	392.7	526.7	651.3
16°	87.2	87.1	84.8	65.3	40.9	28.6	60.6	243.4	379.8	549.3	657.2
17°	85.3	84.7	84.4	71.3	45.5	29.5	49.5	234.0	374.0	553.2	663.2
18°	84.3	81.3	81.9	76.1	50.4	30.6	41.1	225.7	373.3	557.9	653.9
19°	80.6	75.4	79.4	77.3	54.6	31.9	35.2	220.5	370.1	555.1	626.8
20°	74.0	70.0	73.5	74.5	58.1	34.2	31.9	216.6	373.6	543.9	624.7
21°	68.2	63.6	66.2	70.7	60.3	36.6	29.4	212.1	379.4	539.9	610.4
22°	63.3	57.3	61.6	66.1	61.5	39.2	27.4	206.2	379.2	539.4	601.2
23°	57.5	52.9	56.0	62.1	60.4	41.6	25.8	202.1	376.6	536.8	591.1
24°	52.1	48.7	49.8	56.9	59.6	43.8	24.8	197.0	373.7	533.6	602.0
25°	48.3	43.6	46.1	51.7	57.2	45.1	24.4	191.4	372.2	511.1	610.8
26°	44.2	39.6	42.3	47.0	55.1	46.0	24.1	190.1	365.4	488.4	621.2
27°	39.6	36.4	37.5	42.4	51.9	46.3	24.3	184.5	366.8	481.1	633.2
28°	35.2	30.8	33.6	38.5	48.2	46.0	24.4	178.3	366.8	473.3	642.9
29°	30.9	25.5	29.5	34.0	44.2	45.5	24.9	172.5	363.4	461.8	652.6
30°	25.9	20.2	24.7	29.6	40.6	44.3	25.6	168.0	359.7	453.8	660.6
31°	21.0	14.9	19.9	26.1	37.2	42.8	26.4	162.5	354.8	448.0	663.6
32°	16.1	11.7	15.1	22.5	33.6	41.0	27.2	155.8	352.5	450.5	661.5
33°	12.6	10.8	12.2	18.9	30.4	38.9	28.1	147.2	346.0	451.0	658.4
34°	10.3	9.8	10.2	15.4	27.0	36.5	28.6	140.9	331.4	455.0	656.8
35°	8.6	8.7	8.7	13.0	23.8	34.4	28.8	135.2	321.3	454.5	658.4
36°	7.6	7.9	7.3	11.0	21.2	32.0	28.8	129.3	314.6	454.7	660.2
37°	6.9	5.8	6.7	9.0	18.5	29.7	28.6	120.7	308.0	455.0	661.5
38°	5.4	5.2	5.3	7.4	15.9	27.3	28.4	112.7	300.8	455.0	658.8
39°	4.6	4.6	4.5	6.0	13.6	24.9	27.5	107.3	290.4	450.2	657.6
40°	4.0	3.9	3.8	5.1	11.2	22.8	26.4	103.6	276.8	446.4	658.0
41°	3.4	0.7	3.4	4.1	9.4	20.7	25.2	99.1	264.8	442.3	659.6
42°	0.5	0.2	0.8	3.0	8.0	18.6	24.2	95.0	255.5	439.5	662.2
43°	0.2	0.2	0.2	2.3	6.6	16.5	23.2	90.0	249.4	437.2	662.9
44°	0.2	0.2	0.2	1.9	5.3	14.8	21.9	85.0	242.7	435.2	661.4

REPORT NUMBER: P1444945

CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.2	0.2	0.2	0.8	4.3	13.3	20.6	80.0	233.2	433.7	662.4
46°	0.2	0.3	0.2	0.2	3.4	11.8	19.4	74.1	226.2	431.2	662.0
47°	0.2	0.3	0.3	0.2	2.6	10.4	18.1	68.5	217.5	430.4	660.4
48°	0.3	0.3	0.3	0.2	1.7	9.2	16.9	61.9	208.9	428.2	659.5
49°	0.3	0.3	0.3	0.3	1.1	7.9	15.6	57.1	203.0	426.6	652.9
50°	0.3	0.3	0.3	0.3	0.8	6.7	14.3	52.1	196.0	424.2	650.3
51°	0.3	0.3	0.3	0.3	0.3	5.7	13.1	46.9	190.0	420.6	656.8
52°	0.3	0.3	0.3	0.3	0.2	4.7	11.9	43.0	184.3	417.9	661.3
53°	0.3	0.4	0.3	0.3	0.2	4.0	10.8	37.8	178.8	410.9	658.6
54°	0.3	0.4	0.4	0.3	0.2	3.2	9.6	33.7	172.6	406.6	654.5
55°	0.4	0.4	0.4	0.3	0.3	2.5	8.6	30.7	167.2	405.4	653.9
56°	0.4	0.4	0.4	0.3	0.3	1.8	7.6	28.6	162.1	404.4	651.1
57°	0.4	0.4	0.4	0.4	0.3	1.3	6.6	26.3	157.5	398.3	648.1
58°	0.4	0.4	0.4	0.4	0.3	0.8	5.9	24.1	152.4	390.9	651.0
59°	0.4	0.5	0.4	0.4	0.3	0.5	5.2	22.9	149.1	384.6	653.1
60°	0.4	0.5	0.5	0.4	0.3	0.3	4.5	21.8	145.7	377.4	646.2
61°	0.5	0.5	0.5	0.4	0.3	0.2	4.0	20.9	141.3	371.4	644.2
62°	0.5	0.5	0.5	0.4	0.3	0.2	3.5	20.0	137.6	365.8	643.6
63°	0.5	0.5	0.5	0.5	0.3	0.2	3.1	19.1	133.7	360.0	639.7
64°	0.5	0.6	0.5	0.5	0.4	0.2	2.7	18.2	130.2	353.6	630.1
65°	0.5	0.6	0.6	0.5	0.4	0.2	2.4	17.3	126.9	347.4	622.5
66°	0.6	0.6	0.6	0.5	0.4	0.2	2.1	16.4	123.3	341.0	616.8
67°	0.6	0.6	0.6	0.5	0.4	0.2	1.8	15.4	119.9	332.8	608.6
68°	0.6	0.6	0.6	0.5	0.4	0.3	1.5	14.5	117.1	326.7	598.2
69°	0.6	0.7	0.6	0.6	0.4	0.3	1.2	13.6	113.0	320.7	596.4
70°	0.6	0.7	0.7	0.6	0.4	0.3	0.9	12.7	109.4	312.1	589.9
71°	0.7	0.7	0.7	0.6	0.4	0.3	0.7	11.7	105.8	304.2	580.1
72°	0.7	0.7	0.7	0.6	0.5	0.3	0.5	10.9	102.1	298.7	573.6
73°	0.7	0.8	0.7	0.6	0.5	0.3	0.3	10.0	98.2	290.8	565.3
74°	0.7	0.8	0.7	0.6	0.5	0.3	0.3	9.2	95.0	284.4	544.8
75°	0.7	0.8	0.8	0.7	0.5	0.3	0.2	8.3	91.2	276.0	532.9
76°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	7.5	87.3	265.0	522.0
77°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	6.7	83.4	255.7	513.0
78°	0.8	0.9	0.8	0.7	0.5	0.3	0.2	6.0	79.3	248.9	501.5
79°	0.8	0.9	0.8	0.7	0.5	0.3	0.2	5.2	76.2	239.2	489.0
80°	0.8	0.9	0.9	0.7	0.6	0.3	0.2	4.5	72.8	231.3	478.8
81°	0.9	0.9	0.9	0.8	0.6	0.4	0.2	3.8	69.6	223.0	461.6
82°	0.9	0.9	0.9	0.8	0.6	0.4	0.2	3.2	66.4	216.0	450.2
83°	0.9	0.9	0.9	0.8	0.6	0.4	0.2	2.5	63.3	206.1	434.2
84°	0.9	1.0	0.9	0.8	0.6	0.4	0.2	1.9	60.3	198.1	419.9
85°	0.9	1.0	0.9	0.8	0.6	0.4	0.2	1.4	57.7	190.7	404.9
86°	0.9	1.0	0.9	0.8	0.6	0.4	0.2	0.9	55.6	184.1	390.5
87°	0.9	1.0	1.0	0.8	0.6	0.4	0.2	0.5	53.9	178.4	378.0
88°	1.0	1.0	1.0	0.8	0.6	0.4	0.2	0.3	52.7	174.3	364.9
89°	1.0	1.0	1.0	0.9	0.6	0.4	0.2	0.2	51.5	171.1	355.9

REPORT NUMBER: P1444945

CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	1.0	1.0	1.0	0.9	0.7	0.4	0.2	0.1	50.4	168.0	346.0
91°	1.0	1.1	1.0	0.9	0.7	0.4	0.2	0.1	49.1	165.1	337.9
92°	1.0	1.1	1.0	0.9	0.7	0.4	0.2	0.1	47.0	161.3	332.0
93°	1.0	1.1	1.1	0.9	0.7	0.4	0.2	0.1	45.1	157.3	326.1
94°	1.0	1.1	1.1	0.9	0.7	0.4	0.2	0.1	43.3	152.8	317.9
95°	1.1	1.1	1.1	0.9	0.7	0.4	0.2	0.1	41.5	147.4	311.1
96°	1.1	1.1	1.1	0.9	0.7	0.5	0.2	0.1	39.8	142.4	301.8
97°	1.1	1.1	1.1	0.9	0.7	0.5	0.2	0.1	38.4	138.2	293.3
98°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	37.1	134.3	286.2
99°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	35.8	130.4	278.5
100°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	34.6	126.5	271.1
101°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	33.4	122.7	263.6
102°	1.1	1.2	1.2	1.0	0.7	0.5	0.3	0.1	32.0	118.2	255.3
103°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	30.6	113.8	246.9
104°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	29.2	109.4	238.4
105°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	28.0	105.2	229.4
106°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	26.7	101.1	221.2
107°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	25.7	97.1	213.2
108°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	24.6	93.1	204.9
109°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	23.6	89.5	197.0
110°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	22.6	85.9	189.2
111°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	21.6	82.2	181.3
112°	1.1	1.2	1.1	1.0	0.8	0.5	0.3	0.1	20.7	78.5	173.4
113°	1.1	1.2	1.1	1.0	0.7	0.5	0.3	0.1	19.7	75.0	166.0
114°	1.1	1.1	1.1	1.0	0.7	0.5	0.3	0.1	18.8	71.5	158.8
115°	1.1	1.1	1.1	1.0	0.7	0.5	0.3	0.1	17.9	68.2	151.5
116°	1.0	1.1	1.1	1.0	0.7	0.5	0.3	0.1	17.0	64.9	144.9
117°	1.0	1.1	1.1	0.9	0.7	0.5	0.3	0.1	16.1	61.9	138.3
118°	1.0	1.1	1.1	0.9	0.7	0.5	0.3	0.1	15.2	58.9	132.2
119°	1.0	1.1	1.1	0.9	0.7	0.5	0.3	0.1	14.4	56.0	125.8
120°	1.0	1.1	1.1	0.9	0.7	0.5	0.3	0.1	13.4	53.1	119.3
121°	1.0	1.1	1.1	0.9	0.7	0.5	0.4	0.1	12.6	50.4	113.4
122°	1.0	1.1	1.1	0.9	0.8	0.6	0.4	0.1	12.1	47.7	107.9
123°	1.0	1.1	1.1	0.9	0.8	0.6	0.4	0.1	11.7	45.0	102.6
124°	1.0	1.1	1.1	1.0	0.8	0.6	0.4	0.1	11.3	42.4	97.6
125°	1.0	1.1	1.1	1.0	0.8	0.6	0.4	0.1	10.8	40.0	93.0
126°	1.0	1.1	1.1	1.0	0.8	0.6	0.4	0.1	10.4	38.0	88.3
127°	1.0	1.1	1.1	1.0	0.8	0.6	0.4	0.1	10.1	36.1	83.5
128°	1.0	1.1	1.1	1.0	0.8	0.6	0.4	0.1	9.8	34.4	79.1
129°	1.0	1.1	1.1	1.0	0.8	0.6	0.4	0.1	9.7	32.9	75.0
130°	1.0	1.1	1.1	1.0	0.8	0.6	0.4	0.1	9.6	31.4	70.9
131°	1.0	1.1	1.1	1.0	0.8	0.6	0.5	0.1	9.5	29.9	66.7
132°	1.0	1.1	1.1	1.0	0.8	0.7	0.5	0.2	9.1	28.3	62.6
133°	1.0	1.1	1.1	1.0	0.8	0.7	0.5	0.2	8.5	26.6	58.4
134°	1.0	1.1	1.1	1.0	0.8	0.7	0.5	0.2	7.8	24.8	54.3

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CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.2	7.1	23.3	50.4
136°	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.2	6.8	22.2	46.9
137°	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.2	6.6	21.1	43.8
138°	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.2	6.4	20.1	41.2
139°	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.2	6.1	19.2	38.9
140°	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.2	5.8	18.5	36.6
141°	1.0	1.0	1.1	1.0	0.9	0.7	0.6	0.2	5.4	17.9	34.4
142°	1.0	1.0	1.0	1.0	0.9	0.7	0.6	0.2	5.1	17.6	32.4
143°	1.0	1.0	1.0	1.0	0.9	0.7	0.6	0.2	4.7	17.2	30.9
144°	1.0	1.0	1.0	1.0	0.9	0.7	0.6	0.3	4.3	16.9	29.5
145°	1.0	1.0	1.0	1.0	0.9	0.7	0.6	0.3	4.0	16.3	28.3
146°	1.0	1.0	1.0	1.0	0.9	0.8	0.6	0.3	3.7	15.6	27.1
147°	0.9	1.0	1.0	1.0	0.9	0.8	0.6	0.3	3.3	14.7	26.1
148°	0.9	1.0	1.0	1.0	0.9	0.8	0.6	0.3	3.0	13.8	25.4
149°	0.9	1.0	1.0	0.9	0.9	0.8	0.7	0.3	2.7	13.1	24.5
150°	0.9	1.0	1.0	0.9	0.9	0.8	0.7	0.3	2.4	12.4	23.3
151°	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.3	2.2	11.7	22.0
152°	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.3	2.0	11.0	20.6
153°	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.4	1.7	10.2	19.3
154°	0.8	0.9	0.9	0.9	0.8	0.8	0.7	0.4	1.4	9.5	17.8
155°	0.8	0.8	0.9	0.9	0.8	0.8	0.7	0.4	1.0	8.9	16.5
156°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.4	0.7	8.2	15.2
157°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.5	7.4	14.0
158°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4	6.7	12.9
159°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.4	0.4	6.1	11.9
160°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.4	0.4	5.5	10.8
161°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.4	0.4	4.9	9.7
162°	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.5	0.4	4.1	8.7
163°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.5	0.4	3.4	7.6
164°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.5	0.4	2.6	6.6
165°	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.5	0.4	1.9	5.9
166°	0.6	0.5	0.5	0.5	0.6	0.6	0.7	0.5	0.5	1.2	5.2
167°	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.5	0.5	0.7	4.3
168°	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.4	3.3
169°	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.4	2.3
170°	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.4	1.3
171°	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.5
172°	0.5	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.5	0.4
173°	0.5	0.4	0.4	0.4	0.4	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	0.5	0.5	0.5	0.5	0.4
175°	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4
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	0.4	0.5	0.6	0.5	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	0.4	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: P1444945

CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	335.6	335.6	335.6
1°	366.9	371.0	374.5
2°	393.4	404.8	412.6
3°	431.6	447.3	458.1
4°	466.3	479.3	487.2
5°	487.0	509.2	525.6
6°	521.9	550.0	564.7
7°	552.6	595.8	607.9
8°	587.2	622.4	647.4
9°	617.5	668.7	692.4
10°	654.7	709.4	730.0
11°	692.2	723.8	743.9
12°	704.1	745.7	761.5
13°	718.7	754.2	760.4
14°	731.4	721.9	724.4
15°	727.3	713.5	730.1
16°	687.6	703.2	718.4
17°	691.7	713.9	716.2
18°	671.5	721.9	747.4
19°	671.6	744.9	778.8
20°	685.8	771.3	805.0
21°	703.7	803.4	829.8
22°	726.4	815.4	852.0
23°	748.4	834.3	868.4
24°	760.8	846.8	884.1
25°	780.4	863.6	902.5
26°	791.7	881.2	921.1
27°	802.7	897.8	932.1
28°	808.6	913.6	942.4
29°	819.0	931.3	963.2
30°	827.8	947.1	974.3
31°	838.8	959.6	983.2
32°	847.5	966.6	990.3
33°	858.4	974.2	1003.9
34°	863.7	983.0	1016.3
35°	870.6	991.6	1029.0
36°	875.1	998.8	1036.7
37°	878.5	1011.6	1056.3
38°	884.2	1028.6	1082.3
39°	893.6	1036.9	1083.1
40°	898.5	1048.8	1104.8
41°	901.6	1057.7	1104.1
42°	910.1	1050.5	1088.9
43°	908.6	1052.2	1105.2
44°	902.7	1050.3	1077.1

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CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	904.2	1029.8	1072.5
46°	891.2	1044.3	1135.1
47°	881.6	1101.9	1175.9
48°	896.2	1110.3	1133.5
49°	911.0	1079.1	1125.5
50°	909.7	1075.1	1138.2
51°	911.0	1078.1	1140.0
52°	905.8	1082.0	1159.4
53°	897.5	1099.6	1187.6
54°	896.6	1114.4	1188.5
55°	904.5	1112.4	1182.7
56°	911.8	1115.8	1186.9
57°	913.2	1118.1	1187.7
58°	914.9	1113.7	1173.8
59°	911.9	1095.1	1147.6
60°	908.3	1076.8	1139.3
61°	896.6	1076.8	1138.9
62°	888.3	1066.2	1117.7
63°	886.8	1048.3	1096.5
64°	882.8	1024.8	1077.2
65°	865.7	1012.6	1075.6
66°	853.0	1018.0	1080.7
67°	848.7	996.8	1038.1
68°	839.6	976.0	1039.6
69°	823.5	967.6	1028.3
70°	813.7	966.0	1026.7
71°	809.2	931.5	968.0
72°	783.8	892.4	954.2
73°	755.2	892.9	944.9
74°	749.0	877.9	934.8
75°	735.7	861.3	914.2
76°	717.1	847.3	902.6
77°	702.6	827.5	876.2
78°	687.6	814.4	863.0
79°	674.0	800.9	851.5
80°	654.4	769.4	816.5
81°	642.2	763.2	811.0
82°	622.1	734.4	782.5
83°	601.8	714.8	763.2
84°	585.0	695.8	740.9
85°	566.3	676.0	724.3
86°	547.0	652.3	693.0
87°	530.1	638.9	677.6
88°	511.9	618.0	659.5
89°	494.6	595.4	635.7

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CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	480.6	576.3	615.7
91°	464.6	558.1	596.7
92°	450.4	539.1	577.3
93°	443.8	524.6	557.2
94°	437.2	515.6	547.3
95°	428.4	509.6	542.9
96°	419.5	499.7	532.3
97°	408.5	489.2	519.8
98°	398.7	476.4	507.8
99°	391.0	467.0	496.7
100°	381.9	459.0	490.0
101°	373.7	450.8	482.0
102°	365.2	441.4	471.4
103°	356.3	432.3	461.8
104°	347.4	422.4	452.9
105°	337.6	413.2	442.3
106°	328.3	402.6	431.8
107°	318.2	391.9	421.2
108°	308.5	381.1	409.8
109°	298.5	370.1	397.6
110°	289.2	358.7	385.8
111°	279.6	346.8	373.9
112°	270.0	336.3	361.5
113°	261.0	325.6	350.9
114°	252.2	315.5	339.7
115°	243.2	304.7	328.3
116°	234.0	295.0	317.8
117°	225.6	284.4	306.9
118°	217.1	274.7	296.0
119°	208.5	264.7	285.8
120°	200.5	255.0	275.7
121°	192.3	245.4	265.3
122°	183.8	236.1	255.4
123°	175.7	226.6	245.2
124°	167.8	217.2	235.5
125°	160.1	208.4	225.5
126°	152.7	199.3	216.2
127°	145.0	190.8	206.9
128°	137.7	181.8	197.9
129°	130.4	172.9	188.4
130°	122.8	164.6	179.6
131°	115.8	156.5	170.7
132°	108.5	148.1	162.3
133°	101.7	139.8	153.8
134°	94.8	132.0	145.4

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CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	88.3	124.2	137.3
136°	81.8	116.5	129.4
137°	75.4	108.8	121.2
138°	69.8	101.4	113.1
139°	64.6	93.8	105.3
140°	59.7	86.3	97.7
141°	54.8	78.8	90.0
142°	50.5	71.3	82.3
143°	46.1	64.3	74.6
144°	42.2	57.5	67.1
145°	38.7	51.5	59.8
146°	35.7	46.1	52.5
147°	33.2	41.3	45.5
148°	31.2	37.3	39.3
149°	30.0	34.3	35.2
150°	29.4	33.2	34.5
151°	28.8	33.4	35.1
152°	27.6	32.3	33.9
153°	26.1	30.7	32.2
154°	24.5	28.8	30.3
155°	22.6	26.8	28.3
156°	20.9	24.8	26.3
157°	19.4	23.2	24.6
158°	18.2	21.8	23.1
159°	17.0	20.4	21.6
160°	15.7	18.9	20.1
161°	14.3	17.3	18.4
162°	12.8	15.6	16.6
163°	11.4	14.0	15.0
164°	10.1	12.5	13.3
165°	8.9	11.0	11.8
166°	7.7	9.7	10.4
167°	6.7	8.4	9.0
168°	5.8	7.2	7.6
169°	4.8	6.2	6.6
170°	3.6	5.0	5.5
171°	2.3	3.7	4.2
172°	1.1	2.2	2.7
173°	0.4	0.9	1.2
174°	0.4	0.4	0.4
175°	0.4	0.4	0.3
176°	0.4	0.4	0.4
177°	0.4	0.4	0.4
178°	0.4	0.4	0.4
179°	0.4	0.4	0.4

REPORT NUMBER: P1444945

CATALOG NUMBER: CWP30 (18W-3000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.4	0.4	0.4

(END OF REPORT)