

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: P1444944

Luminaire Tested: CWP30 (12W-5000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444944
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 (12W-5000K)
Description: COMPACT WALL PACK, 30W
SET TO 12W, 5000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1595.6 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U3 - G2

Input Watts (W): 12
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



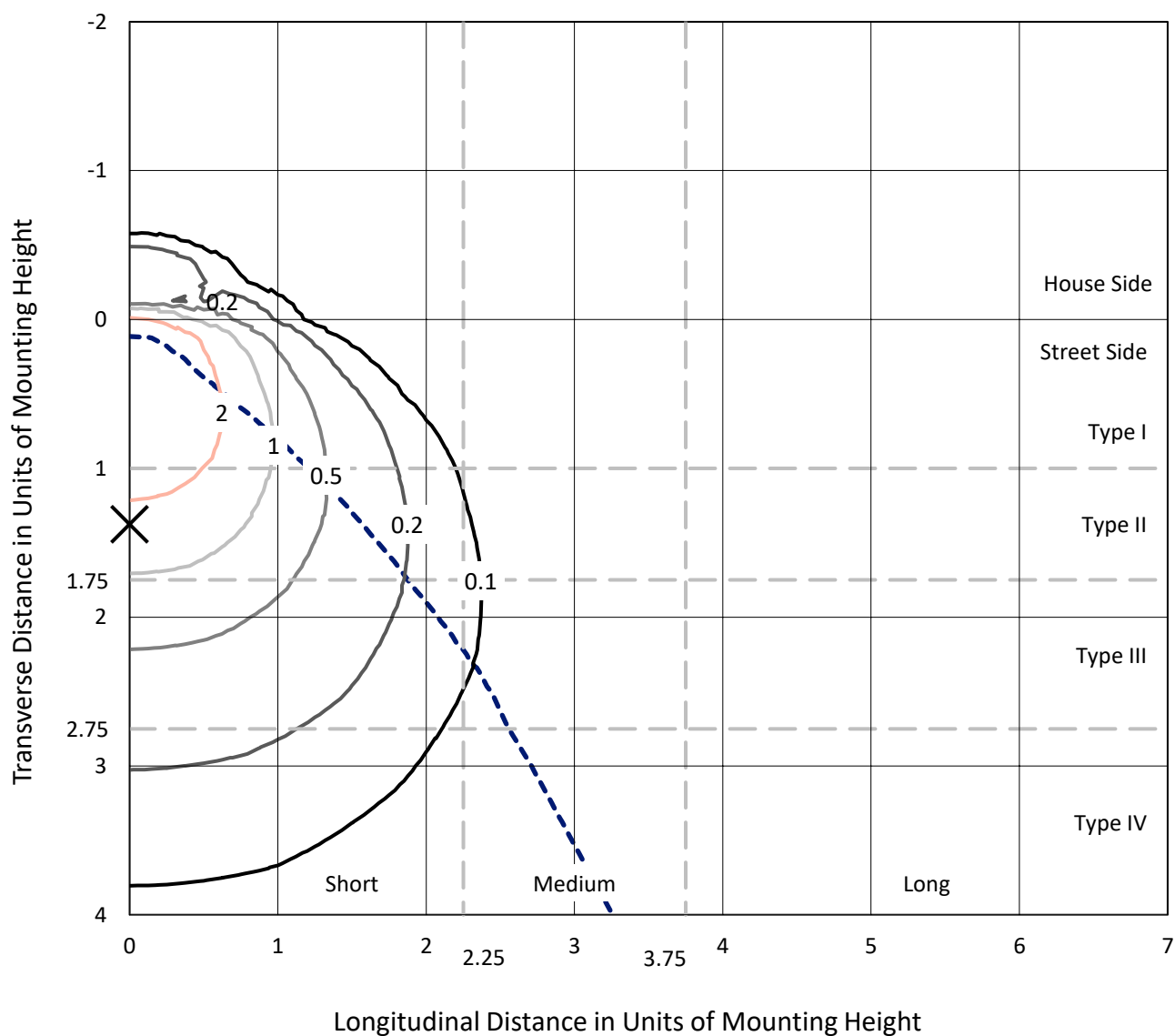
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



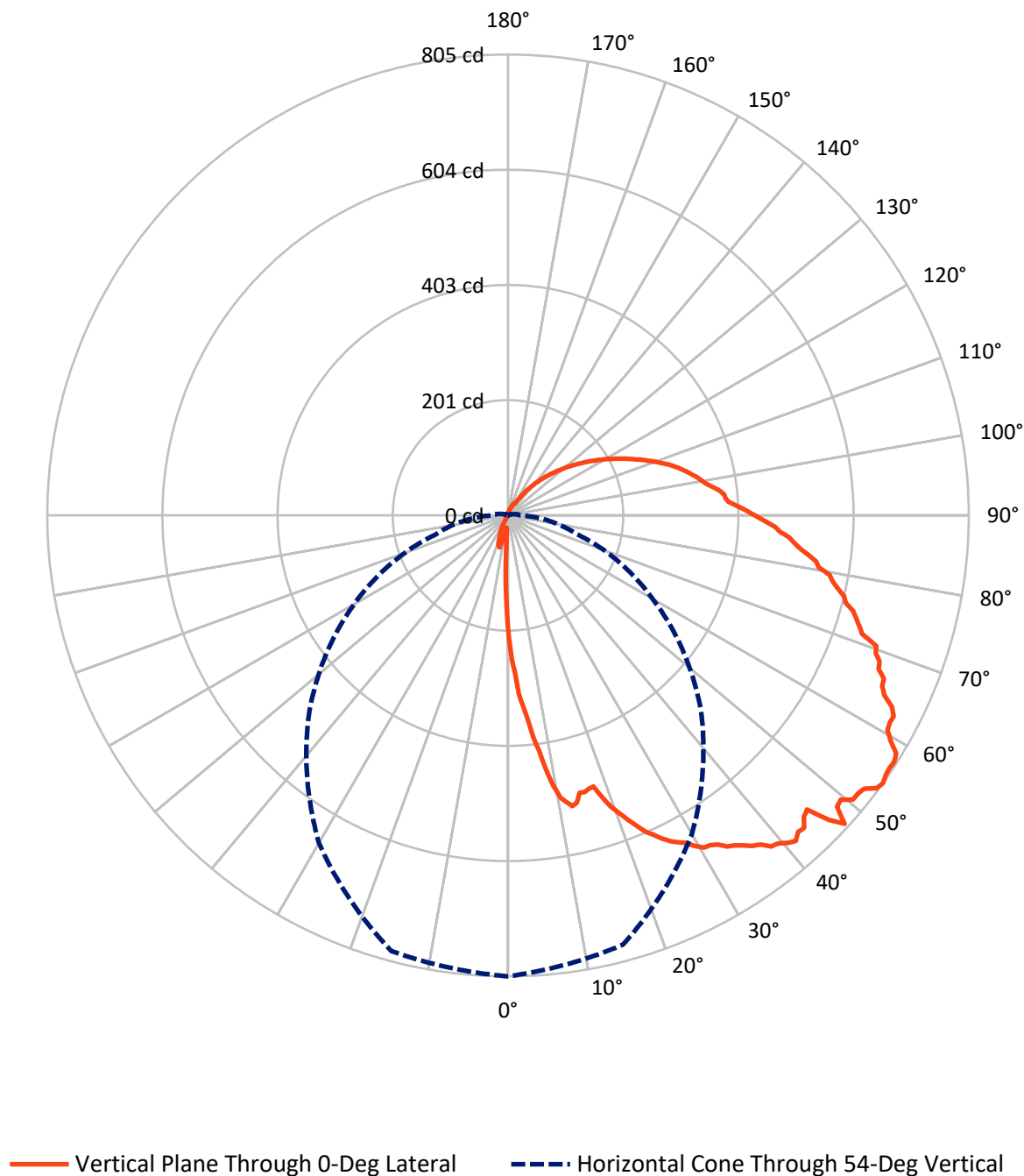
Based on 10 foot mounting height. Maximum calculated value = 4.6 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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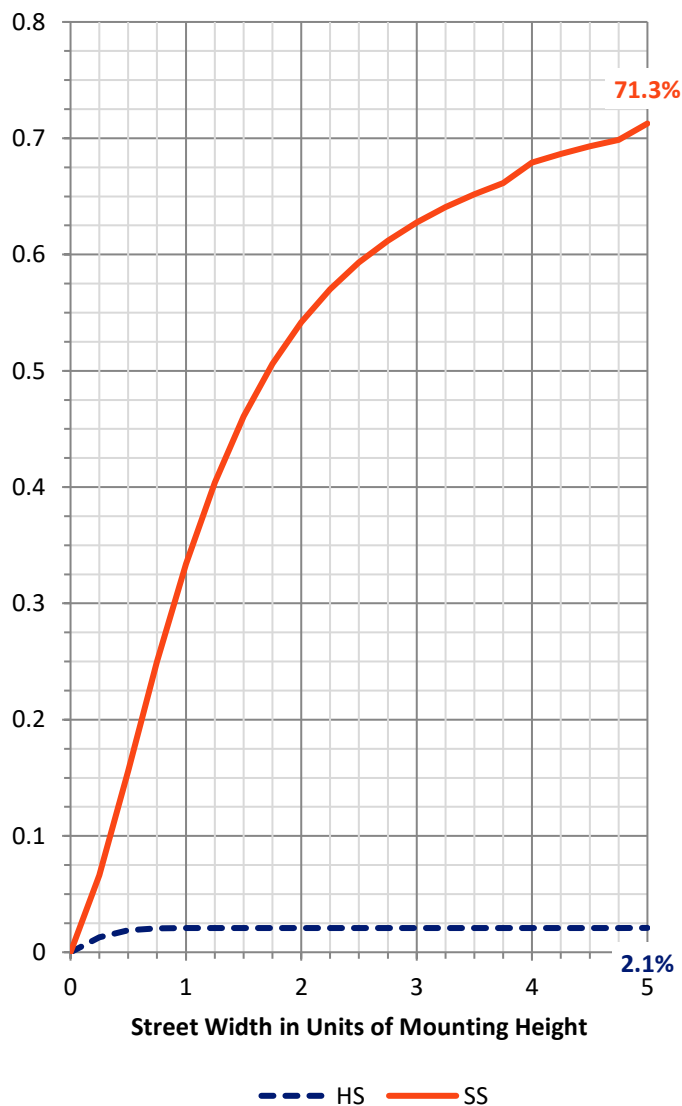
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33.9	1.5	35.4
	% Fixture	2.1	0.1	2.2
Street Side	Lumens	1249.5	310.7	1560.2
	% Fixture	78.3	19.5	97.8
Total	Lumens	1283.4	312.2	1595.6
	% Fixture	80.4	19.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.9	1.2
10°-20°	65.8	4.1
20°-30°	110.9	6.9
30°-40°	151.7	9.5
40°-50°	183.3	11.5
50°-60°	206.9	13.0
60°-70°	209.8	13.1
70°-80°	187.0	11.7
80°-90°	147.9	9.3
90°-100°	111.6	7.0
100°-110°	84.0	5.3
110°-120°	56.1	3.5
120°-130°	33.4	2.1
130°-140°	17.0	1.1
140°-150°	6.8	0.4
150°-160°	2.7	0.2
160°-170°	0.7	0.0
170°-180°	0.1	0.0
0°-90°	1283.4	80.4
0°-180°	1595.6	100.0

Coefficient of Utilization



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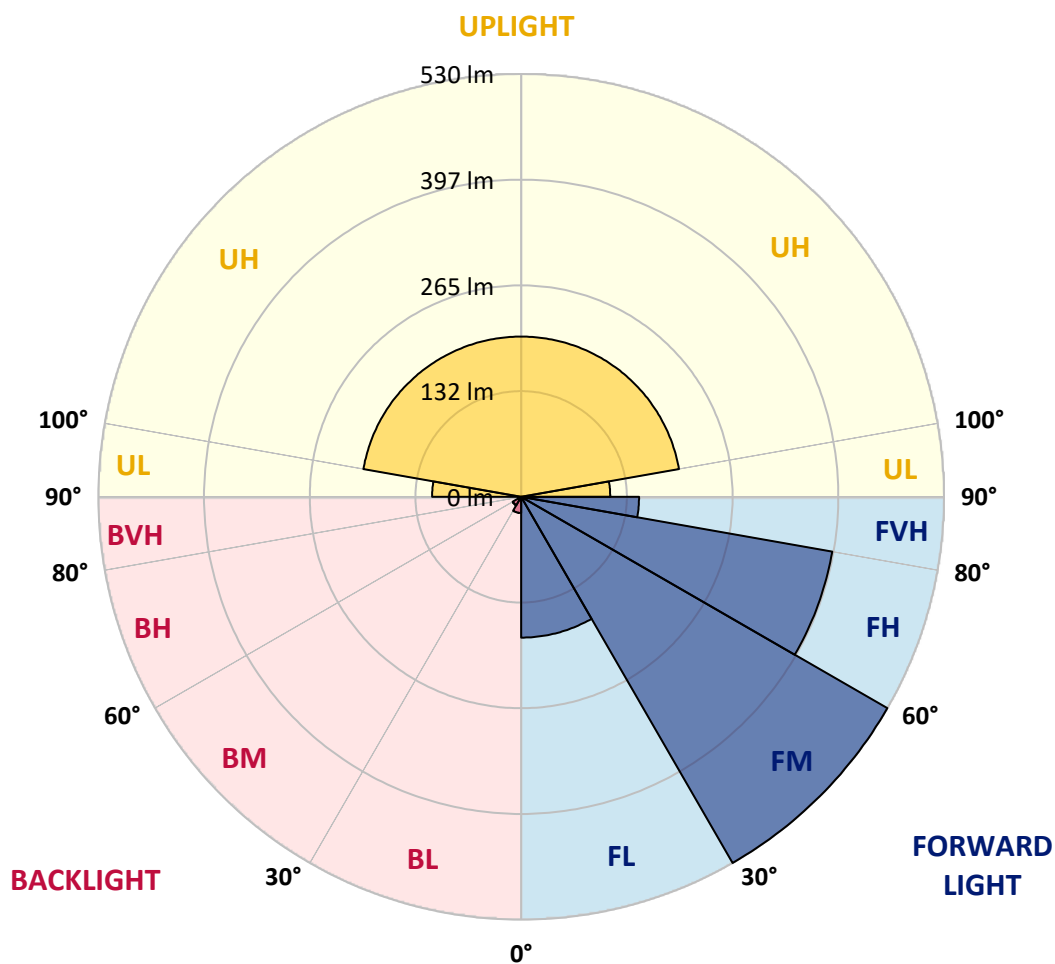
CATALOG NUMBER: CWP30 (12W-5000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	176.4	11.1			
FM	(30°-60°)	529.7	33.2			
FH	(60°-80°)	395.7	24.8			G0/660
FVH	(80°-90°)	147.7	9.3			G2/225
BL	(0°-30°)	20.2	1.3	B0/110		
BM	(30°-60°)	12.3	0.8	B0/220		
BH	(60°-80°)	1.1	0.1	B0/110		G0/110
BVH	(80°-90°)	0.2	0.0			G0/10
UL	(90°-100°)	111.6	7.0		U3/500	
UH	(100°-180°)	200.7	12.6		U3/500	

BUG Rating: B0-U3-G2

Type IV Short



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CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
1°	251.7	252.5	251.2	247.7	242.5	236.6	216.0	201.1	190.7	182.0	176.3
2°	274.6	273.8	268.4	262.7	254.4	243.3	214.6	188.7	166.9	152.3	141.0
3°	312.5	310.7	299.3	282.0	265.3	251.6	215.9	175.9	146.7	121.4	106.2
4°	334.2	331.6	325.7	310.7	278.5	257.8	217.5	166.1	123.6	95.0	63.4
5°	357.3	353.1	342.9	329.8	300.2	262.6	213.8	154.2	107.4	56.7	33.8
6°	389.4	384.6	369.1	344.9	317.1	263.4	210.0	139.2	82.8	34.0	25.6
7°	414.5	410.2	395.0	361.7	322.0	266.6	206.2	125.7	54.4	26.2	22.3
8°	448.9	439.4	417.8	380.7	329.1	269.2	200.5	114.2	36.8	23.4	21.4
9°	477.9	468.3	446.5	394.6	335.4	275.8	197.5	104.4	28.4	21.6	21.7
10°	501.0	493.6	471.0	410.0	346.0	287.4	199.0	94.2	25.0	21.5	22.6
11°	510.6	503.9	487.2	426.6	363.1	294.8	196.1	80.4	23.1	22.0	24.5
12°	520.1	521.8	496.1	446.4	376.4	294.1	186.0	63.7	21.8	22.7	27.0
13°	515.8	523.5	508.3	462.3	383.9	292.7	178.9	51.3	21.3	24.0	30.8
14°	500.2	508.4	511.0	478.2	382.2	288.4	170.2	41.0	21.2	26.4	36.6
15°	501.8	496.5	501.1	482.3	388.3	284.0	163.0	33.7	21.5	29.2	44.0
16°	498.0	492.9	484.0	486.9	396.6	279.6	158.9	28.7	21.9	32.8	49.1
17°	496.7	496.1	480.5	479.3	399.5	281.6	155.5	25.9	22.9	36.5	54.3
18°	519.4	499.8	472.5	469.9	403.9	281.4	146.0	23.4	24.2	40.3	56.4
19°	540.2	514.0	476.5	453.2	413.7	274.6	140.5	21.4	26.0	43.0	55.8
20°	555.2	536.8	483.5	439.5	411.5	273.4	136.2	20.2	27.9	45.0	52.9
21°	570.9	556.6	497.2	436.2	404.1	271.0	132.7	19.2	29.6	46.0	50.1
22°	586.7	572.3	513.7	428.0	394.8	273.0	129.0	18.6	31.2	46.2	46.9
23°	602.6	588.4	529.5	428.6	389.9	272.7	125.8	18.4	32.7	45.7	44.3
24°	612.8	599.7	541.0	430.8	382.2	274.4	123.3	18.3	33.9	45.0	40.3
25°	625.3	611.4	552.2	437.0	374.6	268.4	120.9	18.5	34.8	42.9	37.0
26°	635.8	621.9	562.6	445.4	362.4	266.4	118.9	19.1	35.3	40.3	33.8
27°	643.9	629.5	569.4	452.5	349.6	265.1	117.0	19.7	35.4	37.2	30.7
28°	651.0	637.7	573.2	461.7	343.8	264.9	113.8	20.8	35.1	34.8	27.3
29°	663.4	647.9	578.7	469.1	336.6	264.9	110.7	21.9	34.1	31.8	24.1
30°	673.5	655.2	587.9	474.4	327.6	261.9	108.6	22.5	33.1	29.3	21.1
31°	675.7	658.7	595.4	477.2	326.0	257.3	105.0	23.4	31.9	26.4	18.1
32°	681.5	661.0	601.6	477.4	321.5	255.5	100.5	24.3	30.5	23.6	15.1
33°	693.3	666.2	606.2	477.8	323.0	252.4	96.1	24.6	28.8	21.3	12.6
34°	699.2	674.2	611.0	477.1	322.9	244.6	91.9	24.9	27.1	18.9	10.5
35°	708.2	681.8	614.8	474.9	325.5	242.4	86.1	25.3	25.3	16.6	8.7
36°	718.0	691.1	619.9	473.2	326.3	233.6	82.1	25.3	23.4	14.4	7.1
37°	724.5	699.9	626.4	473.9	327.2	226.2	79.0	25.0	21.7	12.5	5.9
38°	738.7	708.5	631.3	473.7	325.1	222.2	75.4	24.5	19.9	10.7	5.0
39°	742.7	716.8	634.1	471.4	324.3	217.1	69.3	23.9	18.2	9.0	4.3
40°	752.4	723.7	639.1	472.8	321.8	213.0	65.6	23.2	16.6	7.7	3.6
41°	759.1	730.6	641.5	472.0	319.3	203.4	62.0	22.2	15.1	6.4	2.7
42°	750.1	734.4	644.4	472.3	317.2	196.6	59.1	20.8	13.6	5.2	2.1
43°	751.8	732.2	648.9	474.4	314.8	188.9	56.1	19.4	12.2	4.3	1.7
44°	737.6	730.6	647.3	474.6	312.6	181.0	53.6	18.0	10.8	3.5	1.3

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CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	732.9	720.3	645.0	475.2	310.9	174.0	50.6	16.7	9.6	2.8	0.2
46°	772.8	722.5	641.8	478.6	309.5	167.4	47.4	15.5	8.4	2.2	0.1
47°	797.5	758.3	631.4	478.1	308.5	159.7	43.9	14.4	7.4	1.5	0.1
48°	767.5	768.1	633.6	475.6	307.2	153.3	41.3	13.2	6.3	1.0	0.2
49°	764.7	751.8	649.1	475.5	306.4	147.2	38.2	12.2	5.3	0.7	0.2
50°	780.8	749.0	650.5	471.8	304.1	141.3	34.2	11.1	4.5	0.4	0.2
51°	781.0	757.5	647.4	470.3	301.8	136.1	30.8	10.2	3.7	0.1	0.2
52°	784.3	757.4	650.5	476.8	298.8	130.9	27.6	9.3	3.1	0.1	0.2
53°	801.2	763.4	649.0	479.4	294.9	126.6	24.6	8.5	2.5	0.1	0.2
54°	805.1	776.2	642.8	475.7	291.8	122.6	22.1	7.7	2.0	0.2	0.2
55°	800.8	780.5	644.4	473.8	286.6	119.2	19.7	6.9	1.5	0.2	0.2
56°	799.2	779.5	647.4	473.0	284.1	115.4	17.2	6.2	1.0	0.2	0.2
57°	800.3	779.5	653.2	470.4	280.7	111.5	15.2	5.5	0.6	0.2	0.2
58°	795.5	780.8	656.2	469.8	276.2	107.9	13.8	4.8	0.4	0.2	0.2
59°	776.0	775.3	655.4	469.8	271.3	104.4	12.6	4.3	0.2	0.2	0.3
60°	761.8	758.4	655.3	469.6	266.9	101.8	11.6	3.7	0.1	0.2	0.3
61°	759.0	751.4	651.8	468.6	262.5	99.2	10.6	3.3	0.1	0.2	0.3
62°	759.8	748.1	639.7	466.7	257.5	96.2	9.8	2.9	0.1	0.2	0.3
63°	749.6	749.0	633.1	462.2	253.8	93.6	9.2	2.5	0.1	0.2	0.3
64°	728.2	734.7	628.5	454.9	249.8	90.9	8.5	2.1	0.1	0.2	0.3
65°	718.6	716.9	629.0	451.0	246.2	88.3	7.9	1.7	0.1	0.2	0.3
66°	716.0	712.2	619.5	444.5	242.0	85.6	7.3	1.4	0.2	0.3	0.3
67°	701.0	704.6	607.8	441.9	237.2	83.3	6.8	1.2	0.2	0.3	0.4
68°	697.8	692.7	602.2	435.0	231.0	80.8	6.2	0.9	0.2	0.3	0.4
69°	686.0	686.1	595.5	426.6	225.8	78.4	5.6	0.7	0.2	0.3	0.4
70°	682.8	680.8	587.4	422.7	221.8	76.1	5.0	0.5	0.2	0.3	0.4
71°	652.4	663.7	581.4	416.8	216.4	73.3	4.5	0.3	0.2	0.3	0.4
72°	644.0	635.8	571.9	410.2	209.9	70.7	3.9	0.2	0.2	0.3	0.4
73°	634.7	634.6	544.7	404.1	205.3	68.3	3.4	0.2	0.2	0.3	0.4
74°	626.2	620.3	536.6	396.4	199.7	65.7	2.9	0.2	0.2	0.3	0.4
75°	609.4	612.0	528.2	383.2	195.0	63.2	2.5	0.1	0.2	0.3	0.5
76°	604.0	597.2	521.6	374.9	189.0	60.8	2.1	0.1	0.2	0.3	0.5
77°	590.6	588.2	506.7	366.9	181.0	58.6	1.7	0.1	0.2	0.4	0.5
78°	579.1	577.4	497.1	357.6	175.2	55.7	1.4	0.1	0.2	0.4	0.5
79°	571.8	566.0	486.8	349.1	168.9	53.1	1.2	0.1	0.2	0.4	0.5
80°	550.6	547.0	476.2	341.1	163.6	50.7	1.0	0.1	0.2	0.4	0.5
81°	544.6	541.4	457.9	332.9	158.0	48.5	0.8	0.1	0.2	0.4	0.5
82°	529.4	523.4	451.4	319.6	151.8	46.5	0.6	0.1	0.3	0.4	0.5
83°	514.1	508.1	434.5	311.0	146.6	44.1	0.5	0.1	0.3	0.4	0.5
84°	502.6	493.3	420.6	300.0	139.9	42.2	0.3	0.1	0.3	0.4	0.6
85°	493.1	481.7	408.7	288.5	134.8	40.3	0.2	0.1	0.3	0.4	0.6
86°	476.7	462.8	392.7	278.5	130.0	38.6	0.1	0.1	0.3	0.4	0.6
87°	467.5	453.9	382.2	269.5	125.8	37.1	0.1	0.1	0.3	0.4	0.6
88°	452.4	439.5	368.9	260.3	121.8	35.9	0.1	0.1	0.3	0.4	0.6
89°	437.9	425.6	355.6	251.9	119.1	35.1	0.1	0.1	0.3	0.5	0.6

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CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	424.6	412.2	344.4	245.4	116.7	34.1	0.1	0.1	0.3	0.5	0.6
91°	411.8	398.0	332.6	239.2	114.8	33.3	0.1	0.2	0.3	0.5	0.6
92°	398.8	382.3	321.2	234.1	112.8	32.3	0.1	0.2	0.3	0.5	0.6
93°	386.2	370.1	315.0	230.0	109.7	30.8	0.1	0.2	0.3	0.5	0.6
94°	381.4	365.0	310.7	225.7	106.8	29.6	0.1	0.2	0.3	0.5	0.6
95°	379.6	361.9	305.1	219.9	103.4	28.2	0.1	0.2	0.3	0.5	0.6
96°	373.5	354.0	298.3	214.1	99.3	26.9	0.1	0.2	0.3	0.5	0.7
97°	365.0	346.1	291.0	207.0	96.0	25.9	0.1	0.2	0.3	0.5	0.7
98°	355.6	336.8	282.9	201.3	93.1	24.9	0.1	0.2	0.3	0.5	0.7
99°	347.9	329.2	276.4	196.0	90.2	24.0	0.1	0.2	0.3	0.5	0.7
100°	342.2	323.5	270.6	190.5	87.3	23.1	0.1	0.2	0.3	0.5	0.7
101°	336.4	317.2	264.4	185.1	84.4	22.3	0.1	0.2	0.4	0.5	0.7
102°	329.4	311.0	258.3	179.4	81.7	21.5	0.1	0.2	0.4	0.5	0.7
103°	322.8	304.2	252.2	173.2	78.5	20.5	0.1	0.2	0.4	0.5	0.7
104°	316.4	297.6	245.4	167.0	75.3	19.6	0.1	0.2	0.4	0.5	0.7
105°	309.3	290.7	238.8	160.8	72.3	18.8	0.1	0.2	0.4	0.5	0.7
106°	302.1	283.3	231.8	154.8	69.3	18.0	0.1	0.2	0.4	0.5	0.7
107°	294.5	275.5	224.8	148.8	66.5	17.2	0.1	0.2	0.4	0.5	0.7
108°	286.5	267.8	217.6	142.9	63.9	16.4	0.1	0.2	0.4	0.5	0.7
109°	278.4	260.0	210.2	137.2	61.3	15.7	0.1	0.2	0.4	0.5	0.7
110°	269.8	251.8	203.4	131.6	58.8	15.1	0.1	0.2	0.4	0.5	0.7
111°	261.5	243.6	196.6	126.0	56.3	14.5	0.1	0.2	0.4	0.5	0.7
112°	253.2	236.0	189.8	120.5	53.8	13.8	0.1	0.2	0.4	0.5	0.7
113°	245.1	228.6	183.1	115.1	51.3	13.2	0.1	0.2	0.4	0.5	0.7
114°	237.4	220.9	176.7	110.0	48.8	12.6	0.1	0.2	0.4	0.5	0.7
115°	229.7	213.7	170.3	105.1	46.6	12.0	0.1	0.2	0.4	0.5	0.7
116°	222.1	206.4	164.0	100.3	44.4	11.4	0.1	0.2	0.4	0.5	0.6
117°	214.6	199.0	157.5	95.8	42.3	10.9	0.1	0.2	0.4	0.5	0.6
118°	207.0	192.0	151.6	92.9	40.3	10.3	0.1	0.2	0.4	0.5	0.6
119°	199.8	185.1	145.6	87.8	38.3	9.6	0.1	0.2	0.4	0.5	0.6
120°	192.6	178.2	139.6	82.7	36.5	9.0	0.1	0.2	0.4	0.5	0.6
121°	185.4	171.3	133.9	78.4	34.7	8.4	0.1	0.2	0.4	0.5	0.6
122°	178.3	164.6	128.0	74.5	33.0	8.0	0.1	0.2	0.4	0.5	0.6
123°	171.4	158.1	122.3	70.9	31.3	7.7	0.1	0.2	0.4	0.5	0.6
124°	164.5	151.6	116.7	67.3	29.5	7.4	0.1	0.2	0.4	0.5	0.6
125°	157.5	145.2	111.4	64.0	27.8	7.2	0.1	0.2	0.4	0.5	0.6
126°	151.0	138.9	106.0	60.8	26.3	6.9	0.1	0.2	0.4	0.5	0.6
127°	144.3	132.8	100.8	57.7	24.9	6.7	0.1	0.2	0.4	0.5	0.6
128°	137.9	126.7	95.5	54.7	23.8	6.5	0.1	0.2	0.4	0.5	0.6
129°	131.5	120.7	90.4	51.8	22.7	6.4	0.1	0.2	0.4	0.5	0.6
130°	125.2	114.7	85.3	49.1	21.8	6.3	0.1	0.2	0.4	0.5	0.6
131°	119.3	108.8	80.1	46.2	20.9	6.3	0.1	0.2	0.4	0.5	0.6
132°	113.2	103.1	75.3	43.6	20.0	6.2	0.1	0.3	0.4	0.5	0.6
133°	107.2	97.4	70.5	40.8	19.0	5.9	0.2	0.3	0.4	0.5	0.6
134°	101.5	91.6	65.8	38.1	17.8	5.5	0.2	0.3	0.4	0.5	0.6

REPORT NUMBER: P1444944

CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	95.8	86.1	61.3	35.5	16.6	5.1	0.2	0.3	0.4	0.5	0.6
136°	90.2	80.7	57.0	33.1	15.7	4.7	0.2	0.3	0.4	0.5	0.6
137°	84.5	75.4	52.9	30.9	14.9	4.4	0.2	0.3	0.4	0.5	0.6
138°	78.9	70.2	49.1	29.0	14.2	4.3	0.2	0.3	0.4	0.5	0.6
139°	73.3	65.0	45.5	27.3	13.6	4.1	0.2	0.3	0.4	0.5	0.6
140°	68.1	59.7	42.2	25.7	13.0	4.0	0.2	0.3	0.4	0.5	0.6
141°	62.6	54.7	39.0	24.2	12.6	3.7	0.2	0.3	0.4	0.5	0.6
142°	57.4	49.6	35.9	22.9	12.3	3.5	0.2	0.3	0.4	0.5	0.6
143°	52.1	44.8	33.0	21.7	12.1	3.3	0.2	0.3	0.4	0.5	0.6
144°	46.9	40.3	30.3	20.8	11.8	3.1	0.2	0.3	0.4	0.5	0.6
145°	41.8	36.3	27.9	20.0	11.5	2.8	0.3	0.3	0.4	0.5	0.6
146°	36.8	32.6	25.7	19.2	11.1	2.6	0.3	0.3	0.4	0.5	0.6
147°	32.0	29.3	24.0	18.5	10.5	2.4	0.3	0.4	0.4	0.5	0.6
148°	27.7	26.5	22.4	18.0	10.0	2.1	0.3	0.4	0.4	0.5	0.6
149°	24.7	24.3	21.3	17.4	9.4	1.9	0.3	0.4	0.4	0.5	0.6
150°	24.2	23.1	20.7	16.7	8.8	1.8	0.3	0.4	0.4	0.5	0.6
151°	24.7	23.2	20.2	15.7	8.3	1.6	0.3	0.4	0.4	0.5	0.6
152°	23.9	22.7	19.4	14.8	7.8	1.5	0.3	0.4	0.4	0.5	0.6
153°	22.7	21.7	18.4	13.9	7.3	1.3	0.3	0.4	0.4	0.5	0.6
154°	21.4	20.4	17.4	12.9	6.8	1.1	0.3	0.4	0.4	0.5	0.5
155°	19.9	19.0	16.1	12.0	6.3	0.9	0.3	0.4	0.4	0.5	0.5
156°	18.5	17.6	14.9	11.0	5.9	0.6	0.4	0.4	0.4	0.5	0.5
157°	17.3	16.4	13.8	10.2	5.4	0.5	0.4	0.4	0.4	0.5	0.5
158°	16.2	15.3	12.8	9.3	4.9	0.4	0.4	0.4	0.4	0.5	0.5
159°	15.2	14.3	11.9	8.5	4.5	0.3	0.4	0.4	0.4	0.5	0.5
160°	14.1	13.4	11.1	7.8	4.1	0.3	0.4	0.4	0.4	0.5	0.5
161°	12.9	12.3	10.2	7.1	3.7	0.3	0.4	0.4	0.4	0.5	0.5
162°	11.7	11.1	9.2	6.3	3.2	0.3	0.4	0.4	0.4	0.4	0.4
163°	10.6	10.0	8.2	5.6	2.7	0.3	0.4	0.4	0.4	0.4	0.4
164°	9.5	8.9	7.2	4.9	2.2	0.4	0.4	0.4	0.4	0.4	0.4
165°	8.4	7.8	6.4	4.3	1.7	0.4	0.4	0.4	0.4	0.4	0.4
166°	7.3	6.9	5.5	3.8	1.2	0.4	0.4	0.4	0.4	0.4	0.4
167°	6.3	5.9	4.8	3.3	0.8	0.4	0.4	0.4	0.4	0.4	0.4
168°	5.4	5.1	4.2	2.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4
169°	4.6	4.4	3.6	1.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4
170°	3.9	3.6	2.8	1.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4
171°	3.0	2.7	1.9	0.6	0.3	0.4	0.4	0.4	0.4	0.4	0.4
172°	1.9	1.7	1.0	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
173°	0.9	0.8	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
174°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
176°	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
177°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3



REPORT NUMBER: P1444944
CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

REPORT NUMBER: P1444944

CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8	215.8
1°	174.0	174.2	174.4	181.0	190.7	202.2	217.4	214.5	225.8	234.2	241.2
2°	133.0	132.3	135.5	145.9	162.3	182.1	205.8	217.9	237.9	250.8	259.4
3°	97.0	95.4	100.8	112.3	131.6	160.0	194.2	218.4	246.6	260.1	277.5
4°	47.8	45.3	51.7	74.5	106.4	139.2	182.2	217.4	251.5	274.8	306.1
5°	28.3	27.6	29.2	38.3	73.9	119.1	167.9	215.0	253.5	291.9	329.0
6°	23.3	23.1	23.8	26.9	41.6	100.0	156.8	213.6	257.2	308.3	338.6
7°	21.5	21.6	21.6	23.2	29.0	76.9	145.5	212.4	261.4	320.4	355.8
8°	21.7	21.9	21.7	21.6	24.7	51.9	133.6	210.2	266.3	326.4	377.2
9°	22.6	23.1	22.7	21.8	22.4	36.4	122.4	209.9	276.8	334.3	395.6
10°	24.2	24.9	24.3	22.6	21.6	28.8	113.5	209.2	286.0	348.8	408.1
11°	26.9	27.5	26.9	24.2	21.9	25.6	104.2	206.0	294.0	363.4	428.9
12°	30.7	31.5	30.8	26.7	22.6	23.7	91.1	198.9	293.0	377.4	449.8
13°	38.4	41.1	37.7	30.0	23.6	22.0	78.6	190.0	293.6	385.6	468.8
14°	47.8	50.6	47.6	35.0	25.5	21.1	66.3	186.5	288.9	385.8	481.4
15°	55.9	57.6	54.7	41.2	28.1	21.0	54.9	181.0	284.7	393.1	485.7
16°	58.5	57.5	58.7	47.0	31.2	21.4	44.4	175.4	282.5	403.0	494.6
17°	56.6	56.0	57.1	51.8	34.9	22.2	36.9	173.4	283.6	404.8	480.7
18°	56.4	55.2	55.8	55.5	38.1	23.1	30.4	166.3	289.3	414.1	474.7
19°	55.0	52.8	55.1	55.7	41.0	24.2	26.3	159.3	285.6	414.2	454.3
20°	50.7	48.4	51.7	53.2	43.1	26.0	23.8	154.2	281.1	413.7	444.6
21°	46.3	43.6	46.5	51.3	44.6	27.9	21.9	150.9	280.5	412.8	437.8
22°	43.0	39.8	45.0	47.9	45.4	29.8	20.4	147.1	281.5	405.6	435.3
23°	38.7	36.7	39.1	44.9	44.6	31.3	19.5	143.1	280.5	396.0	429.4
24°	35.7	33.5	36.7	41.7	43.9	32.6	18.6	140.4	280.2	387.6	438.8
25°	33.0	30.4	34.2	38.1	42.7	33.4	18.1	137.1	281.9	377.7	446.0
26°	30.0	27.5	29.8	34.7	40.8	34.1	18.0	133.8	278.0	364.4	456.0
27°	26.7	24.7	27.5	31.6	38.4	34.4	18.2	130.4	279.1	354.4	466.5
28°	23.5	21.0	23.8	28.1	35.5	34.3	18.5	127.5	279.6	349.5	475.4
29°	20.2	17.3	20.2	24.8	32.8	33.7	18.8	125.0	278.5	340.4	481.6
30°	16.9	13.3	16.6	21.9	30.5	32.8	19.4	120.5	277.6	338.8	486.3
31°	12.8	9.9	13.1	19.0	27.7	31.8	20.1	115.4	275.4	334.6	489.4
32°	10.4	8.1	10.4	16.0	25.1	30.6	20.7	111.3	270.7	335.9	489.4
33°	8.3	7.5	8.4	13.4	22.7	29.1	21.0	108.5	262.9	337.5	488.5
34°	7.0	6.7	7.1	11.1	20.2	27.6	21.6	105.6	257.4	341.2	487.3
35°	5.9	5.9	6.0	9.3	17.7	25.9	22.0	100.0	254.5	342.7	486.9
36°	5.2	5.4	5.1	7.9	15.6	24.1	22.3	95.3	247.4	342.9	487.6
37°	4.7	4.0	4.6	6.5	13.7	22.3	22.0	91.3	236.7	342.2	487.1
38°	3.6	3.6	3.7	5.3	11.8	20.6	21.7	87.5	228.7	340.3	486.8
39°	3.1	3.2	3.1	4.3	10.0	18.9	21.2	83.6	222.1	337.6	485.6
40°	2.7	2.6	2.6	3.7	8.4	17.1	20.5	79.2	216.4	336.0	485.2
41°	2.2	0.4	2.3	2.9	7.1	15.7	19.7	75.3	208.4	334.7	486.6
42°	0.2	0.1	0.4	2.2	6.0	14.3	19.0	73.2	197.9	331.9	488.7
43°	0.1	0.2	0.1	1.7	5.0	12.8	18.0	69.2	191.7	329.5	489.6
44°	0.2	0.2	0.2	1.4	4.0	11.4	17.1	66.8	187.0	328.6	491.3

REPORT NUMBER: P1444944

CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.2	0.2	0.2	0.5	3.2	10.2	16.3	63.7	181.0	326.9	494.2
46°	0.2	0.2	0.2	0.2	2.6	9.1	15.3	58.5	174.6	326.4	493.9
47°	0.2	0.2	0.2	0.2	1.9	8.1	14.4	55.3	168.7	326.3	493.2
48°	0.2	0.2	0.2	0.2	1.2	7.1	13.4	51.0	162.2	325.4	492.6
49°	0.2	0.2	0.2	0.2	0.8	6.1	12.5	47.0	156.6	324.8	489.6
50°	0.2	0.2	0.2	0.2	0.6	5.2	11.6	43.0	151.7	322.2	487.9
51°	0.2	0.2	0.2	0.2	0.2	4.4	10.6	38.8	147.0	320.1	491.4
52°	0.2	0.2	0.2	0.2	0.2	3.7	9.7	35.6	141.6	317.2	495.6
53°	0.2	0.2	0.2	0.2	0.2	3.1	8.8	31.8	137.6	314.7	494.8
54°	0.2	0.3	0.2	0.2	0.2	2.4	7.9	29.3	133.3	310.8	492.1
55°	0.3	0.3	0.3	0.2	0.2	1.9	7.1	26.2	128.9	308.7	489.9
56°	0.3	0.3	0.3	0.2	0.2	1.4	6.4	23.5	124.5	304.0	487.8
57°	0.3	0.3	0.3	0.2	0.2	1.0	5.7	21.6	121.1	299.1	487.7
58°	0.3	0.3	0.3	0.3	0.2	0.6	5.0	20.5	117.5	295.0	488.5
59°	0.3	0.3	0.3	0.3	0.2	0.4	4.4	19.2	114.5	291.3	490.2
60°	0.3	0.3	0.3	0.3	0.2	0.2	3.8	17.5	111.6	286.6	488.4
61°	0.3	0.3	0.3	0.3	0.2	0.2	3.4	16.6	108.1	281.3	487.6
62°	0.3	0.4	0.3	0.3	0.2	0.2	3.0	15.7	105.1	278.7	484.9
63°	0.4	0.4	0.4	0.3	0.2	0.2	2.6	14.9	102.6	274.2	479.3
64°	0.4	0.4	0.4	0.3	0.2	0.2	2.3	14.1	99.9	269.9	472.8
65°	0.4	0.4	0.4	0.3	0.2	0.2	2.0	13.4	97.3	265.5	468.5
66°	0.4	0.4	0.4	0.3	0.3	0.2	1.7	12.7	95.0	260.3	465.5
67°	0.4	0.4	0.4	0.4	0.3	0.2	1.4	11.9	93.9	254.8	460.4
68°	0.4	0.5	0.4	0.4	0.3	0.2	1.1	11.2	90.4	248.5	450.7
69°	0.4	0.5	0.4	0.4	0.3	0.2	0.9	10.4	86.9	243.8	445.2
70°	0.5	0.5	0.5	0.4	0.3	0.2	0.7	9.7	84.1	238.4	440.4
71°	0.5	0.5	0.5	0.4	0.3	0.2	0.5	8.9	81.2	232.7	434.7
72°	0.5	0.5	0.5	0.4	0.3	0.2	0.4	8.2	78.7	227.1	429.2
73°	0.5	0.5	0.5	0.4	0.3	0.2	0.2	7.6	75.8	221.4	422.6
74°	0.5	0.5	0.5	0.4	0.3	0.2	0.2	6.9	72.9	216.2	410.6
75°	0.5	0.6	0.5	0.5	0.3	0.2	0.2	6.3	70.4	210.1	400.7
76°	0.5	0.6	0.5	0.5	0.3	0.2	0.1	5.7	67.8	201.7	391.7
77°	0.6	0.6	0.6	0.5	0.3	0.2	0.1	5.1	64.8	195.5	384.7
78°	0.6	0.6	0.6	0.5	0.4	0.2	0.1	4.5	61.9	189.1	375.0
79°	0.6	0.6	0.6	0.5	0.4	0.2	0.1	3.9	59.1	182.9	367.4
80°	0.6	0.6	0.6	0.5	0.4	0.2	0.1	3.4	56.4	176.5	358.7
81°	0.6	0.6	0.6	0.5	0.4	0.2	0.1	2.9	54.1	170.5	345.8
82°	0.6	0.7	0.6	0.5	0.4	0.2	0.1	2.4	51.6	163.8	337.6
83°	0.6	0.7	0.6	0.5	0.4	0.2	0.1	1.9	49.4	157.4	325.3
84°	0.6	0.7	0.6	0.5	0.4	0.2	0.1	1.4	47.0	151.0	313.9
85°	0.6	0.7	0.6	0.5	0.4	0.2	0.1	1.0	45.2	145.8	303.8
86°	0.7	0.7	0.7	0.6	0.4	0.3	0.1	0.7	43.6	140.9	293.5
87°	0.7	0.7	0.7	0.6	0.4	0.3	0.1	0.4	42.3	136.6	282.5
88°	0.7	0.7	0.7	0.6	0.4	0.3	0.1	0.2	41.5	133.6	273.0
89°	0.7	0.7	0.7	0.6	0.4	0.3	0.1	0.1	40.5	131.1	265.7

REPORT NUMBER: P1444944

CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	0.7	0.7	0.7	0.6	0.4	0.3	0.1	0.1	39.6	129.0	258.9
91°	0.7	0.7	0.7	0.6	0.4	0.3	0.1	0.1	38.6	127.0	252.9
92°	0.7	0.8	0.7	0.6	0.4	0.3	0.1	0.1	36.8	123.9	248.2
93°	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	35.2	120.4	243.8
94°	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.0	33.7	116.7	238.3
95°	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.0	32.2	112.5	232.1
96°	0.8	0.8	0.7	0.6	0.5	0.3	0.2	0.0	30.9	108.4	225.0
97°	0.8	0.8	0.8	0.6	0.5	0.3	0.2	0.0	29.8	105.2	218.3
98°	0.8	0.8	0.8	0.6	0.5	0.3	0.2	0.0	28.6	102.0	212.6
99°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.0	27.5	98.8	207.1
100°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.0	26.5	95.8	201.2
101°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.0	25.6	92.7	195.3
102°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.0	24.5	89.2	189.0
103°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.0	23.3	85.6	182.3
104°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.1	22.3	82.0	175.8
105°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.0	21.3	78.6	169.2
106°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.1	20.3	75.5	162.8
107°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.1	19.4	72.4	156.6
108°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.1	18.6	69.5	150.4
109°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.1	17.8	66.7	144.4
110°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.1	17.1	64.0	138.3
111°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.1	16.3	61.2	132.4
112°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.1	15.6	58.4	126.8
113°	0.8	0.8	0.8	0.7	0.5	0.3	0.2	0.1	14.8	55.6	121.2
114°	0.8	0.8	0.8	0.6	0.5	0.3	0.2	0.1	14.1	53.1	115.7
115°	0.8	0.8	0.8	0.6	0.5	0.3	0.2	0.1	13.4	50.5	110.4
116°	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	12.8	48.1	105.5
117°	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	12.1	45.8	100.6
118°	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	11.5	43.6	96.2
119°	0.7	0.8	0.7	0.6	0.5	0.4	0.2	0.1	10.8	41.4	93.0
120°	0.7	0.8	0.7	0.6	0.5	0.4	0.2	0.1	10.1	39.3	87.6
121°	0.7	0.8	0.7	0.6	0.5	0.4	0.2	0.1	9.5	37.3	82.1
122°	0.7	0.8	0.7	0.6	0.5	0.4	0.2	0.1	9.0	35.2	78.0
123°	0.7	0.8	0.7	0.6	0.5	0.4	0.2	0.1	8.7	33.2	74.2
124°	0.7	0.8	0.7	0.6	0.5	0.4	0.2	0.1	8.4	31.3	70.6
125°	0.7	0.8	0.7	0.6	0.5	0.4	0.3	0.1	8.0	29.6	67.2
126°	0.7	0.8	0.7	0.6	0.5	0.4	0.3	0.1	7.7	28.0	63.8
127°	0.7	0.8	0.7	0.6	0.5	0.4	0.3	0.1	7.5	26.6	60.6
128°	0.7	0.8	0.7	0.7	0.5	0.4	0.3	0.1	7.3	25.4	57.6
129°	0.7	0.8	0.7	0.7	0.5	0.4	0.3	0.1	7.2	24.3	54.5
130°	0.7	0.8	0.7	0.7	0.5	0.4	0.3	0.1	7.2	23.2	51.6
131°	0.7	0.8	0.7	0.7	0.6	0.4	0.3	0.1	7.1	22.1	48.6
132°	0.7	0.8	0.7	0.7	0.6	0.4	0.3	0.1	6.8	21.0	45.6
133°	0.7	0.8	0.7	0.7	0.6	0.4	0.3	0.1	6.4	19.7	42.7
134°	0.7	0.8	0.7	0.7	0.6	0.4	0.3	0.1	5.8	18.4	39.7

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CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	0.7	0.7	0.7	0.7	0.6	0.4	0.3	0.1	5.3	17.3	36.8
136°	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.1	5.1	16.5	34.3
137°	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.1	4.9	15.7	32.1
138°	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.1	4.7	14.9	30.2
139°	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.1	4.5	14.3	28.5
140°	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.1	4.3	13.7	26.8
141°	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.1	4.0	13.3	25.2
142°	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.1	3.8	13.0	23.8
143°	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.2	3.5	12.8	22.6
144°	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.2	3.2	12.5	21.6
145°	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.2	3.0	12.1	20.7
146°	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.2	2.7	11.6	19.8
147°	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.2	2.5	10.9	19.1
148°	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.2	2.2	10.2	18.4
149°	0.6	0.7	0.7	0.6	0.6	0.5	0.4	0.2	2.0	9.7	17.8
150°	0.6	0.7	0.7	0.6	0.6	0.5	0.5	0.2	1.8	9.1	16.9
151°	0.6	0.7	0.7	0.6	0.6	0.5	0.5	0.2	1.6	8.6	15.9
152°	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.2	1.4	8.0	14.9
153°	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.2	1.2	7.4	13.9
154°	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.2	1.0	6.9	12.8
155°	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.3	0.7	6.4	11.8
156°	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.3	0.5	5.9	10.9
157°	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.3	0.3	5.4	10.1
158°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	4.8	9.2
159°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	4.4	8.4
160°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	3.9	7.7
161°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3	3.5	6.9
162°	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.3	0.3	3.0	6.2
163°	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.3	0.3	2.4	5.4
164°	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.3	1.9	4.7
165°	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.3	1.4	4.2
166°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.3	0.3	0.9	3.7
167°	0.4	0.4	0.3	0.3	0.4	0.4	0.5	0.3	0.3	0.5	3.1
168°	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	2.4
169°	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	1.6
170°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.9
171°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.4
172°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3
173°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3
174°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3
175°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3
176°	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3
177°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3
178°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3
179°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3



REPORT NUMBER: P1444944
CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

REPORT NUMBER: P1444944

CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	215.8	215.8	215.8
1°	246.2	249.1	251.7
2°	265.7	269.7	274.6
3°	297.6	306.7	312.5
4°	325.9	332.1	334.2
5°	341.9	354.0	357.3
6°	367.6	387.1	389.4
7°	395.3	411.7	414.5
8°	415.5	440.3	448.9
9°	439.1	470.8	477.9
10°	468.1	495.7	501.0
11°	487.2	506.5	510.6
12°	499.0	524.1	520.1
13°	512.7	522.8	515.8
14°	510.0	508.1	500.2
15°	502.7	495.9	501.8
16°	483.7	491.8	498.0
17°	482.2	499.0	496.7
18°	475.2	505.4	519.4
19°	479.9	521.4	540.2
20°	489.1	543.0	555.2
21°	502.6	562.8	570.9
22°	521.7	575.5	586.7
23°	537.3	590.6	602.6
24°	547.4	601.6	612.8
25°	557.6	612.9	625.3
26°	566.9	620.8	635.8
27°	574.0	628.3	643.9
28°	580.5	635.6	651.0
29°	588.5	643.1	663.4
30°	595.2	652.8	673.5
31°	603.0	659.0	675.7
32°	607.8	663.6	681.5
33°	612.6	670.5	693.3
34°	618.4	677.8	699.2
35°	624.0	685.7	708.2
36°	629.9	694.8	718.0
37°	636.0	702.8	724.5
38°	638.3	714.9	738.7
39°	644.0	723.5	742.7
40°	649.9	729.9	752.4
41°	652.5	740.4	759.1
42°	658.5	741.4	750.1
43°	659.8	737.3	751.8
44°	660.2	735.9	737.6

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CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	657.7	727.6	732.9
46°	653.0	736.8	772.8
47°	647.6	772.9	797.5
48°	655.9	776.7	767.5
49°	669.7	757.2	764.7
50°	668.6	757.8	780.8
51°	669.9	766.3	781.0
52°	669.9	766.5	784.3
53°	661.6	775.8	801.2
54°	660.8	787.7	805.1
55°	666.5	790.5	800.8
56°	671.8	787.9	799.2
57°	674.7	790.8	800.3
58°	676.2	791.3	795.5
59°	676.7	784.4	776.0
60°	676.2	767.9	761.8
61°	668.8	758.1	759.0
62°	657.9	753.1	759.8
63°	649.7	754.4	749.6
64°	650.2	737.9	728.2
65°	645.3	723.8	718.6
66°	634.6	719.8	716.0
67°	626.7	708.5	701.0
68°	620.7	697.3	697.8
69°	613.5	691.6	686.0
70°	607.6	685.0	682.8
71°	597.2	662.7	652.4
72°	581.0	639.1	644.0
73°	557.7	636.9	634.7
74°	553.0	627.5	626.2
75°	544.0	615.0	609.4
76°	532.2	601.9	604.0
77°	522.4	590.3	590.6
78°	509.0	579.7	579.1
79°	497.0	571.0	571.8
80°	485.0	551.4	550.6
81°	471.8	543.3	544.6
82°	459.5	526.3	529.4
83°	443.8	508.0	514.1
84°	429.0	493.8	502.6
85°	419.1	483.6	493.1
86°	404.2	465.5	476.7
87°	392.0	456.5	467.5
88°	378.0	442.7	452.4
89°	365.0	427.2	437.9

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CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	353.9	414.1	424.6
91°	341.2	399.9	411.8
92°	331.0	384.7	398.8
93°	326.2	373.9	386.2
94°	321.6	369.4	381.4
95°	314.8	366.6	379.6
96°	307.1	358.6	373.5
97°	298.8	350.3	365.0
98°	291.2	341.0	355.6
99°	285.2	333.7	347.9
100°	278.9	328.0	342.2
101°	272.4	321.5	336.4
102°	266.5	315.0	329.4
103°	259.7	308.4	322.8
104°	252.8	301.7	316.4
105°	245.6	294.3	309.3
106°	238.5	287.0	302.1
107°	231.1	279.3	294.5
108°	223.4	271.1	286.5
109°	216.0	263.2	278.4
110°	208.9	255.0	269.8
111°	201.9	246.8	261.5
112°	194.9	238.9	253.2
113°	188.1	231.1	245.1
114°	181.6	223.6	237.4
115°	174.8	216.3	229.7
116°	168.5	208.9	222.1
117°	161.8	201.6	214.6
118°	155.5	194.5	207.0
119°	149.5	187.6	199.8
120°	143.4	180.4	192.6
121°	137.3	173.3	185.4
122°	131.4	166.5	178.3
123°	125.5	160.0	171.4
124°	119.8	153.4	164.5
125°	114.4	146.7	157.5
126°	108.8	140.5	151.0
127°	103.4	134.2	144.3
128°	98.1	128.3	137.9
129°	92.7	122.0	131.5
130°	87.5	116.0	125.2
131°	82.3	110.2	119.3
132°	77.2	104.4	113.2
133°	72.2	98.6	107.2
134°	67.3	92.9	101.5

REPORT NUMBER: P1444944

CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	62.6	87.4	95.8
136°	58.0	81.8	90.2
137°	53.7	76.3	84.5
138°	49.9	71.0	78.9
139°	46.2	65.7	73.3
140°	42.7	60.5	68.1
141°	39.4	55.3	62.6
142°	36.2	50.3	57.4
143°	33.1	45.4	52.1
144°	30.2	40.7	46.9
145°	27.7	36.5	41.8
146°	25.5	32.6	36.8
147°	23.7	29.3	32.0
148°	22.3	26.4	27.7
149°	21.3	24.2	24.7
150°	20.9	23.5	24.2
151°	20.4	23.6	24.7
152°	19.6	22.9	23.9
153°	18.5	21.7	22.7
154°	17.4	20.4	21.4
155°	16.1	19.0	19.9
156°	14.8	17.6	18.5
157°	13.8	16.4	17.3
158°	12.8	15.4	16.2
159°	12.0	14.4	15.2
160°	11.1	13.4	14.1
161°	10.1	12.2	12.9
162°	9.1	11.1	11.7
163°	8.1	10.0	10.6
164°	7.1	8.9	9.5
165°	6.3	7.8	8.4
166°	5.4	6.8	7.3
167°	4.7	5.9	6.3
168°	4.1	5.0	5.4
169°	3.4	4.4	4.6
170°	2.6	3.6	3.9
171°	1.7	2.6	3.0
172°	0.8	1.6	1.9
173°	0.3	0.7	0.9
174°	0.3	0.2	0.3
175°	0.3	0.2	0.2
176°	0.3	0.3	0.2
177°	0.3	0.3	0.3
178°	0.3	0.3	0.3
179°	0.3	0.3	0.3

REPORT NUMBER: P1444944

CATALOG NUMBER: CWP30 (12W-5000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.3	0.3	0.3

(END OF REPORT)