

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: P1444946

Luminaire Tested: CWP30 (18W-4000K)

Issue Date: 5/1/2026

Test Information

Test Method: LM-79-2024
Report Number: P1444946
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-4000K)
Description: COMPACT WALL PACK, 30W
SET TO 18W, 4000K CCT
Light Source: 3000K/5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2456.3 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Circular (Dia: 1.88m x H: 0m)
IES Classification: Type IV - Short
BUG Rating: B0 - U3 - G3

Input Watts (W): 17.8
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



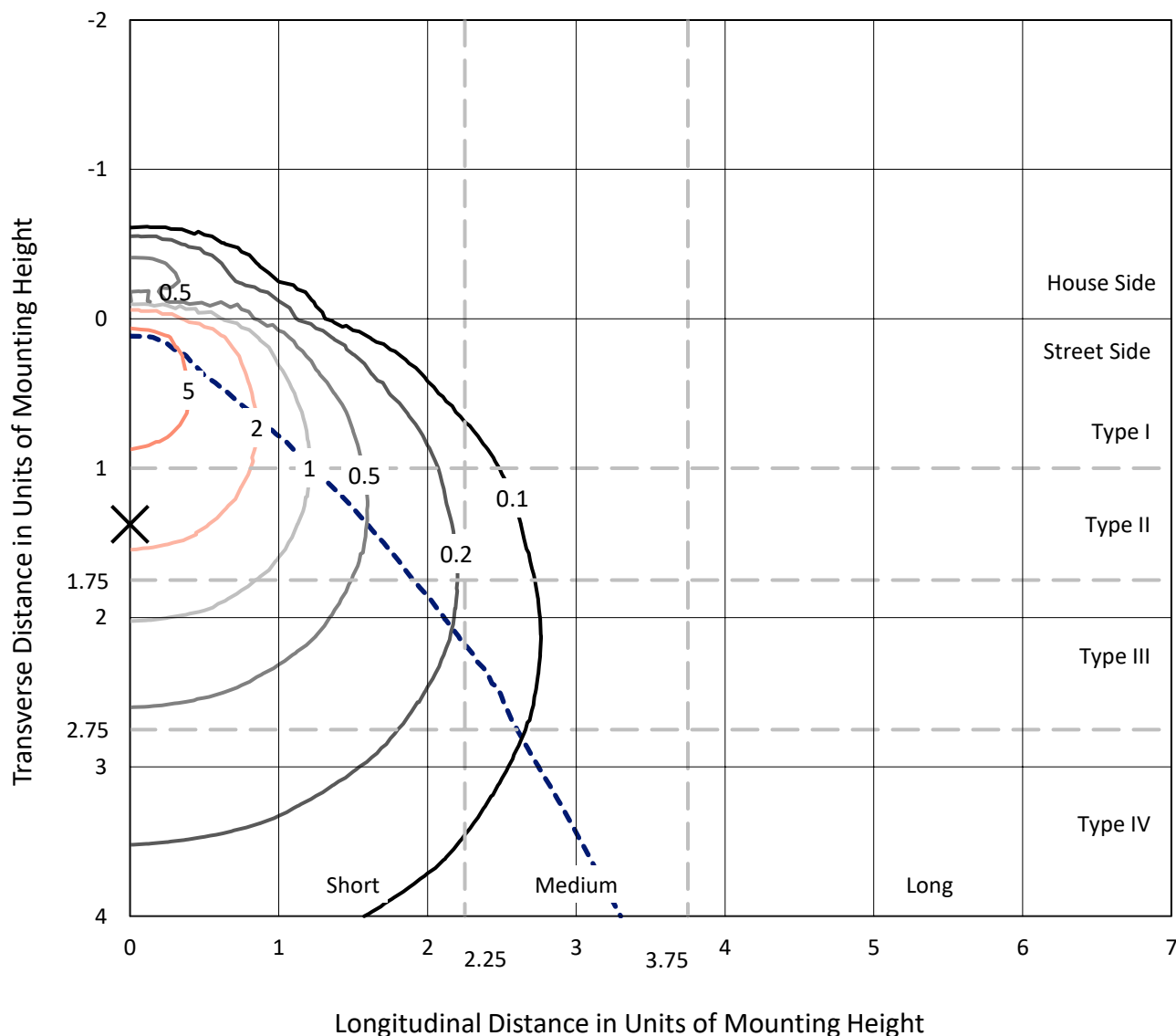
REPORT NUMBER: P1444946

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



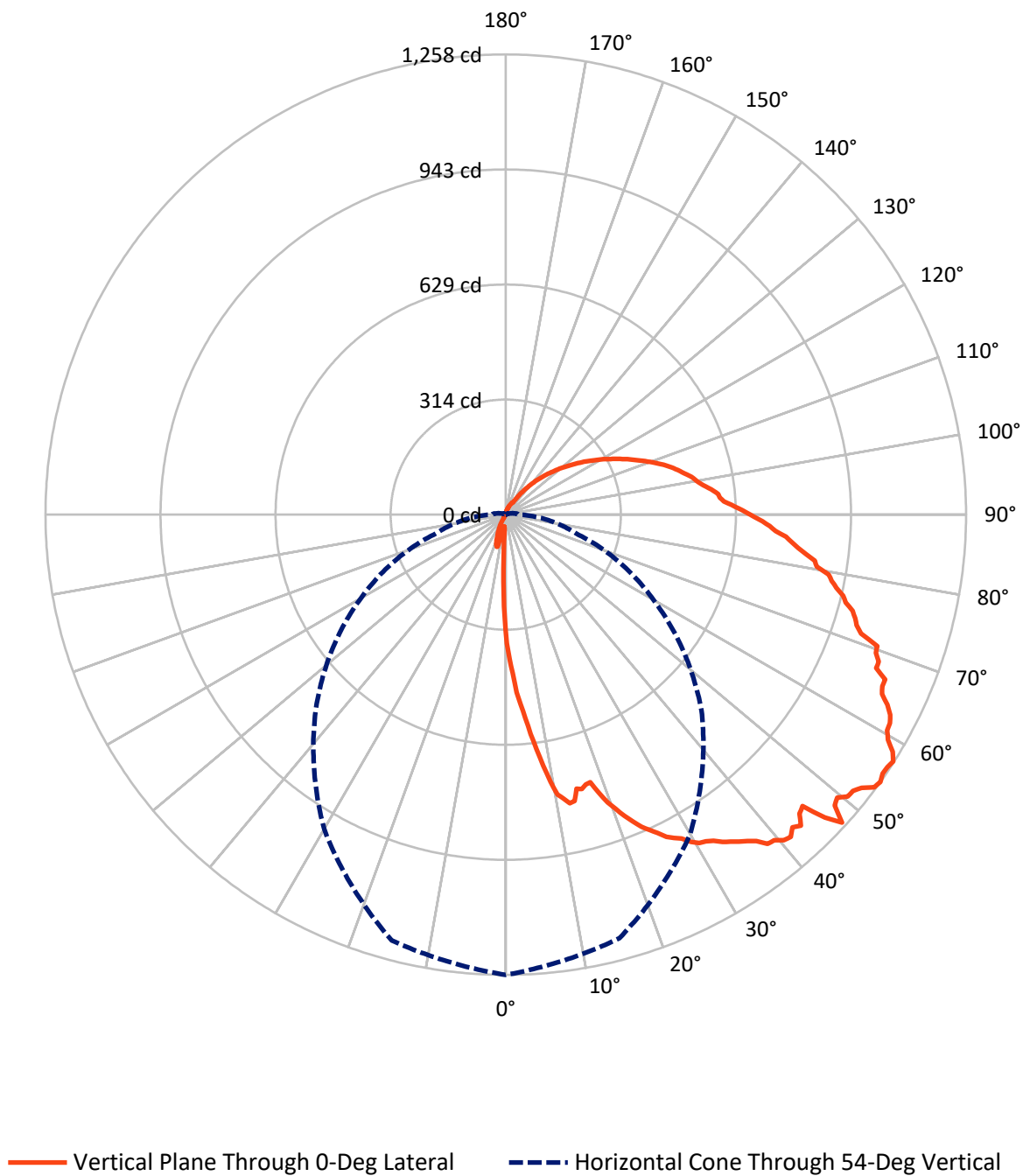
Based on 10 foot mounting height. Maximum calculated value = 7.2 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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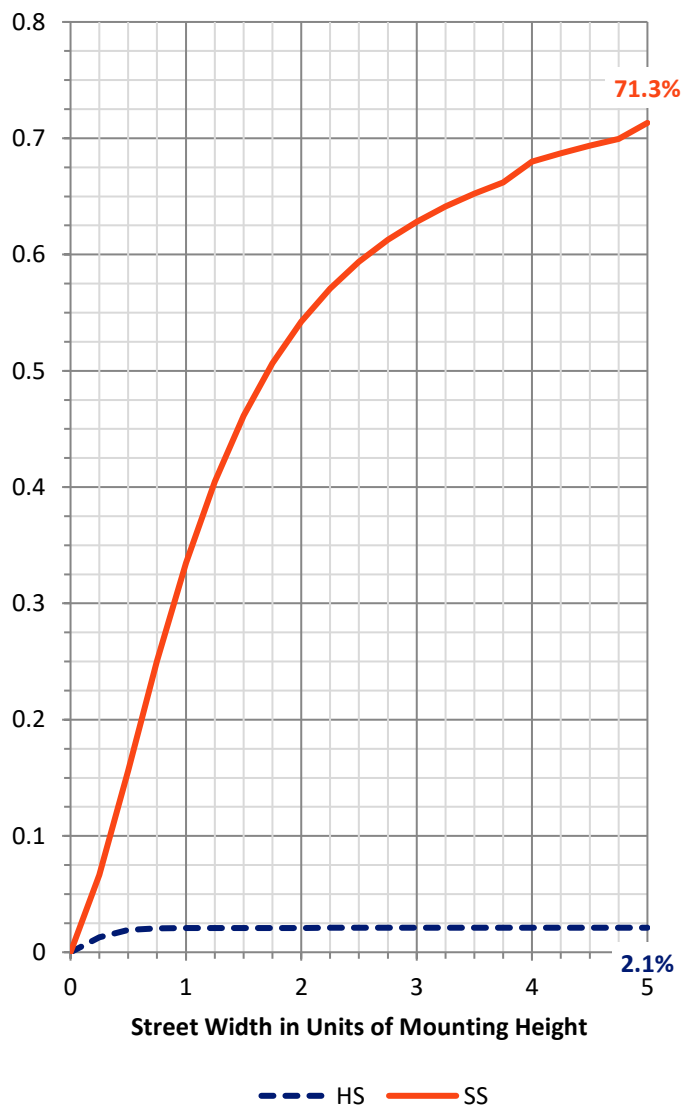
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	52.5	2.3	54.9
	% Fixture	2.1	0.1	2.2
Street Side	Lumens	1924.4	477.1	2401.4
	% Fixture	78.3	19.4	97.8
Total	Lumens	1976.9	479.4	2456.3
	% Fixture	80.5	19.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	1.3
10°-20°	101.6	4.1
20°-30°	171.2	7.0
30°-40°	234.6	9.5
40°-50°	282.8	11.5
50°-60°	318.5	13.0
60°-70°	322.6	13.1
70°-80°	287.6	11.7
80°-90°	227.1	9.2
90°-100°	171.1	7.0
100°-110°	128.9	5.2
110°-120°	86.2	3.5
120°-130°	51.4	2.1
130°-140°	26.1	1.1
140°-150°	10.4	0.4
150°-160°	4.1	0.2
160°-170°	1.1	0.0
170°-180°	0.1	0.0
0°-90°	1976.9	80.5
0°-180°	2456.3	100.0

Coefficient of Utilization



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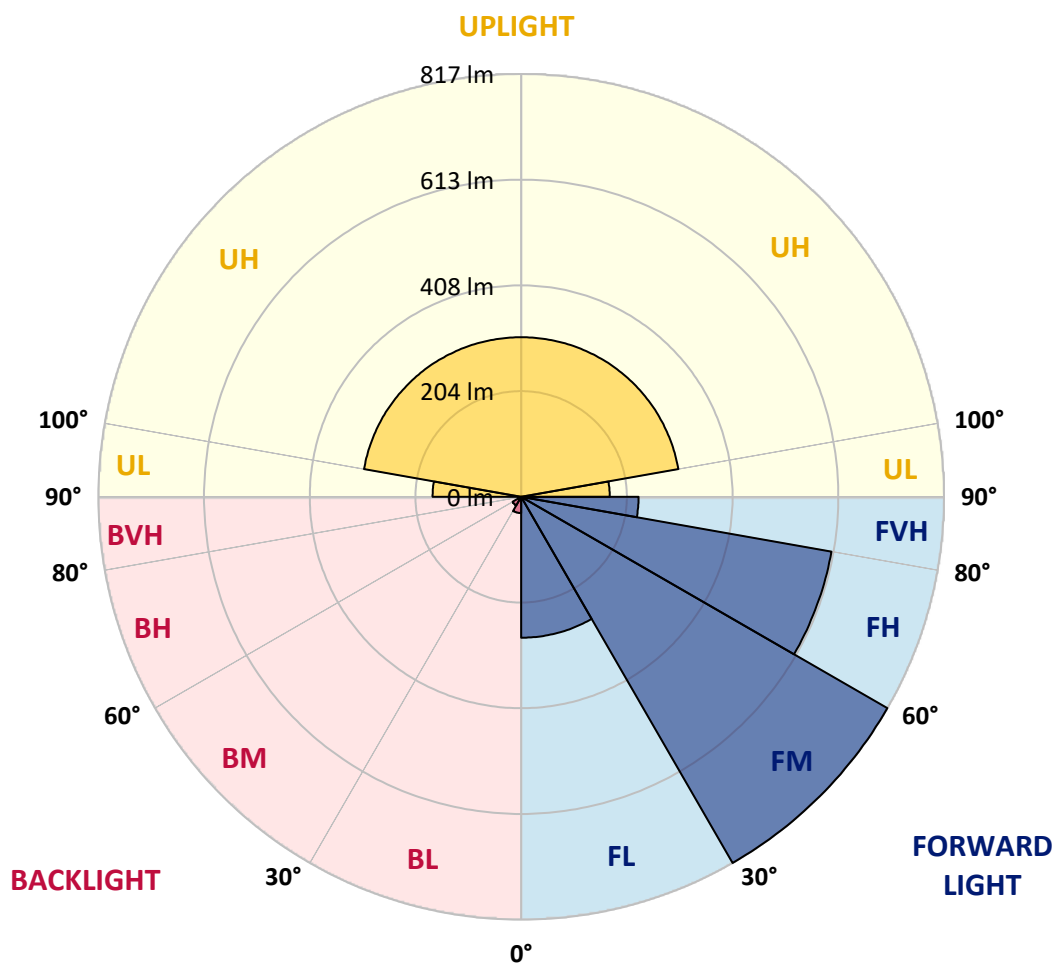
CATALOG NUMBER: CWP30 (18W-4000K)

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	272.2	11.1			
FM	(30°-60°)	816.8	33.3			
FH	(60°-80°)	608.6	24.8			G0/660
FVH	(80°-90°)	226.8	9.2			G3/500
BL	(0°-30°)	31.4	1.3	B0/110		
BM	(30°-60°)	19.1	0.8	B0/220		
BH	(60°-80°)	1.7	0.1	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	171.1	7.0		U3/500	
UH	(100°-180°)	308.3	12.5		U3/500	

BUG Rating: B0-U3-G3

Type IV Short



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CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8
1°	394.8	395.0	392.4	388.4	380.8	372.1	339.3	320.3	303.1	289.4	288.0
2°	433.2	431.3	421.8	410.2	397.7	381.0	338.6	297.4	263.7	242.6	227.3
3°	486.5	483.4	469.2	439.6	411.7	388.6	337.4	275.0	227.6	195.9	166.5
4°	519.2	513.8	504.6	480.2	432.4	399.1	337.7	258.2	191.9	148.8	100.5
5°	558.4	548.8	528.6	506.3	463.0	405.4	335.3	238.1	166.4	89.1	53.2
6°	603.6	597.2	567.4	530.3	488.2	410.9	330.4	218.0	128.7	53.2	39.6
7°	646.7	637.9	606.8	555.4	500.0	420.4	328.9	198.0	85.3	40.8	34.5
8°	693.5	676.5	645.9	587.2	514.0	429.5	324.5	181.6	58.0	36.4	33.0
9°	739.6	721.0	681.4	616.8	528.1	435.3	318.9	164.6	44.5	33.6	33.6
10°	778.1	762.7	722.6	641.8	542.7	447.7	315.5	147.5	39.2	33.4	34.9
11°	791.9	777.6	757.0	669.4	564.9	456.3	308.5	125.4	36.2	34.4	37.8
12°	808.2	804.4	770.9	698.7	583.9	460.4	298.5	101.0	34.3	35.6	41.7
13°	804.7	813.6	790.1	723.2	596.1	462.9	292.8	81.4	33.3	37.7	47.4
14°	773.9	788.1	801.2	745.0	602.1	462.6	284.1	66.5	33.3	41.4	56.7
15°	777.8	772.7	791.6	750.4	615.0	455.4	270.0	54.2	33.9	45.6	68.1
16°	768.8	761.1	761.2	756.6	632.0	445.8	261.4	45.7	34.9	51.3	77.5
17°	766.8	768.5	760.8	756.2	635.4	444.6	251.5	40.8	36.5	57.1	85.2
18°	802.0	778.1	742.3	747.5	643.3	440.5	238.2	37.0	39.0	63.5	89.0
19°	834.3	799.8	744.6	724.0	652.7	434.7	230.6	34.2	41.6	68.6	88.2
20°	858.8	832.1	752.8	703.6	646.0	437.0	224.1	32.3	44.4	72.9	83.7
21°	884.6	866.0	772.4	699.2	637.0	438.5	217.6	31.0	47.2	74.4	79.2
22°	907.8	885.0	801.5	679.3	631.5	435.5	211.2	29.9	49.9	75.0	74.4
23°	930.6	909.2	824.4	674.5	628.4	436.0	204.8	29.5	52.6	73.4	69.8
24°	946.6	925.2	842.6	677.8	620.6	435.6	199.5	29.3	54.6	72.1	63.6
25°	963.9	941.2	861.5	688.8	605.1	430.2	195.5	29.7	56.2	68.6	58.3
26°	984.3	956.0	877.7	703.6	581.6	429.0	190.1	30.6	56.9	64.4	53.2
27°	996.0	971.8	891.6	717.7	560.6	424.1	186.3	31.8	57.2	59.6	48.3
28°	1007.2	983.3	900.3	732.0	553.7	421.6	182.3	33.3	56.3	55.6	43.1
29°	1027.9	1000.8	909.5	744.9	542.2	420.9	177.4	34.7	54.6	51.1	38.3
30°	1041.3	1016.6	920.5	753.1	527.3	420.2	172.4	36.2	52.9	47.0	33.8
31°	1047.5	1025.8	931.6	758.0	520.7	415.9	166.9	37.8	50.8	42.5	29.0
32°	1056.8	1034.1	942.8	759.3	513.2	411.7	159.0	39.0	48.5	37.9	25.0
33°	1072.9	1044.7	949.8	757.7	516.4	406.1	152.1	39.8	46.0	33.9	21.0
34°	1084.4	1054.5	958.2	755.5	517.8	396.1	145.8	40.4	43.4	30.4	17.0
35°	1097.4	1063.9	966.7	754.7	522.0	388.5	138.7	40.7	40.6	26.9	14.0
36°	1109.7	1075.5	973.3	753.0	522.9	378.6	132.0	40.8	37.7	23.7	11.5
37°	1124.2	1088.0	982.0	753.6	524.4	369.3	124.9	40.4	35.0	20.5	9.4
38°	1149.6	1107.4	989.6	753.4	521.6	361.6	118.5	39.8	32.1	17.3	8.0
39°	1153.2	1114.9	994.4	751.9	520.3	351.0	111.6	38.8	29.5	14.6	6.8
40°	1170.3	1125.1	1004.6	750.3	516.0	343.0	106.1	37.5	27.0	12.4	5.7
41°	1176.0	1138.7	1004.8	752.0	513.0	333.5	101.4	35.8	24.5	10.4	4.3
42°	1159.5	1139.3	1010.9	751.7	509.1	323.0	96.3	33.9	22.3	8.5	3.3
43°	1171.3	1135.5	1018.3	754.5	505.9	310.2	91.5	31.8	20.0	6.9	2.7
44°	1145.6	1135.7	1015.3	753.0	503.1	297.0	87.0	29.6	17.7	5.7	2.2

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CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
45°	1136.6	1117.0	1013.1	754.7	500.4	284.1	82.3	27.6	15.7	4.6	0.3
46°	1202.1	1118.2	1008.4	759.8	498.2	272.0	78.2	25.7	13.9	3.6	0.2
47°	1246.0	1176.3	993.2	757.1	496.7	259.4	73.1	23.7	12.2	2.4	0.2
48°	1199.9	1195.4	992.7	756.4	494.0	247.7	67.9	21.9	10.4	1.6	0.2
49°	1191.4	1167.9	1018.8	755.2	492.0	237.8	62.6	20.1	8.7	1.2	0.2
50°	1210.6	1160.2	1021.8	747.2	488.2	227.6	57.2	18.4	7.3	0.7	0.3
51°	1212.4	1169.8	1015.9	747.4	484.8	219.5	52.1	16.8	6.2	0.2	0.3
52°	1226.1	1170.9	1019.4	757.5	479.2	212.0	46.8	15.5	5.1	0.2	0.3
53°	1252.3	1181.6	1016.7	762.8	473.1	204.9	41.5	14.1	4.2	0.2	0.3
54°	1257.8	1198.7	1007.9	756.2	466.6	198.5	37.4	12.8	3.2	0.2	0.3
55°	1249.2	1205.0	1012.4	752.2	459.7	192.7	33.1	11.6	2.4	0.2	0.3
56°	1250.7	1206.0	1019.8	749.0	454.8	186.1	29.9	10.4	1.6	0.2	0.3
57°	1255.2	1206.0	1025.8	746.0	452.2	179.6	26.4	9.2	1.0	0.3	0.4
58°	1239.8	1206.2	1029.0	745.5	443.7	173.9	23.9	8.2	0.6	0.3	0.4
59°	1211.9	1194.8	1028.9	746.2	433.8	168.2	22.0	7.2	0.3	0.3	0.4
60°	1197.7	1168.9	1026.1	745.2	427.2	164.1	20.0	6.3	0.2	0.3	0.4
61°	1194.2	1162.8	1018.7	741.8	420.2	159.9	18.1	5.5	0.2	0.3	0.4
62°	1184.7	1156.8	1004.5	739.0	413.1	155.0	16.5	4.8	0.2	0.3	0.4
63°	1164.9	1151.1	997.9	735.3	406.6	150.7	15.2	4.2	0.2	0.3	0.5
64°	1139.0	1125.6	989.7	723.7	399.8	146.1	13.9	3.6	0.2	0.4	0.5
65°	1130.6	1105.5	984.0	716.6	393.5	142.1	12.8	3.0	0.2	0.4	0.5
66°	1130.7	1101.6	967.3	708.1	387.4	138.1	11.9	2.4	0.2	0.4	0.5
67°	1095.4	1089.2	954.2	701.8	379.0	134.2	11.0	1.9	0.2	0.4	0.5
68°	1095.7	1063.4	948.4	689.6	368.8	130.6	10.0	1.5	0.2	0.4	0.6
69°	1079.5	1056.0	932.9	678.6	361.7	126.9	9.1	1.1	0.3	0.4	0.6
70°	1077.1	1049.9	919.6	673.9	354.0	122.6	8.2	0.8	0.3	0.4	0.6
71°	1023.6	1022.3	910.3	661.4	345.2	118.3	7.2	0.5	0.3	0.5	0.6
72°	1005.6	975.6	896.8	650.7	336.4	114.1	6.3	0.4	0.3	0.5	0.6
73°	996.0	973.1	854.9	642.5	329.2	110.1	5.5	0.3	0.3	0.5	0.7
74°	983.4	956.0	842.8	629.9	319.4	106.1	4.7	0.2	0.3	0.5	0.7
75°	959.8	941.0	829.4	608.2	312.0	102.2	4.0	0.2	0.3	0.5	0.7
76°	948.5	921.3	815.8	593.8	301.8	98.4	3.3	0.2	0.3	0.5	0.7
77°	925.4	905.4	794.7	582.7	289.3	94.8	2.8	0.2	0.3	0.5	0.7
78°	909.2	887.4	776.4	569.7	280.0	90.5	2.3	0.2	0.3	0.6	0.7
79°	897.1	870.9	760.1	555.0	270.4	86.2	1.8	0.2	0.3	0.6	0.8
80°	861.7	840.9	744.3	541.2	261.5	81.9	1.5	0.2	0.4	0.6	0.8
81°	853.9	835.1	716.4	527.2	252.2	78.2	1.2	0.2	0.4	0.6	0.8
82°	827.2	806.1	705.2	508.4	242.7	75.0	1.0	0.2	0.4	0.6	0.8
83°	804.3	782.2	678.5	494.0	234.3	71.2	0.7	0.2	0.4	0.6	0.8
84°	785.4	759.7	659.1	476.4	223.5	68.0	0.5	0.2	0.4	0.6	0.8
85°	768.1	741.6	640.1	458.2	215.5	64.9	0.4	0.2	0.4	0.6	0.8
86°	738.6	711.7	614.4	440.9	207.2	62.2	0.2	0.2	0.4	0.6	0.9
87°	721.8	697.0	598.4	427.2	200.8	59.8	0.1	0.2	0.4	0.7	0.9
88°	701.8	677.5	578.5	412.1	194.9	58.1	0.1	0.2	0.4	0.7	0.9
89°	678.3	654.5	557.1	399.4	190.8	56.6	0.1	0.2	0.4	0.7	0.9

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CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
90°	657.8	633.0	539.2	389.4	187.2	55.1	0.1	0.2	0.4	0.7	0.9
91°	637.1	613.0	521.7	379.2	183.8	53.8	0.1	0.2	0.5	0.7	0.9
92°	617.0	590.8	504.3	370.8	180.6	52.0	0.1	0.2	0.5	0.7	0.9
93°	596.9	570.9	494.8	364.6	175.6	49.7	0.1	0.2	0.5	0.7	1.0
94°	587.3	563.1	487.2	357.3	170.7	47.5	0.1	0.2	0.5	0.7	1.0
95°	583.3	558.7	478.3	348.3	164.8	45.4	0.1	0.2	0.5	0.7	1.0
96°	572.4	547.4	467.2	338.6	158.3	43.3	0.1	0.3	0.5	0.8	1.0
97°	559.0	534.7	455.6	327.6	153.2	41.5	0.1	0.3	0.5	0.8	1.0
98°	545.4	520.4	442.7	318.7	148.6	39.9	0.1	0.3	0.5	0.8	1.0
99°	534.1	509.3	434.2	310.4	143.8	38.4	0.1	0.3	0.5	0.8	1.0
100°	525.8	500.9	424.8	301.4	139.2	37.0	0.1	0.3	0.5	0.8	1.0
101°	517.8	490.9	414.5	292.0	134.7	35.6	0.1	0.3	0.5	0.8	1.0
102°	506.7	481.5	404.3	283.3	130.3	34.2	0.1	0.3	0.5	0.8	1.0
103°	495.7	471.4	394.6	273.2	124.9	32.7	0.1	0.3	0.5	0.8	1.0
104°	486.0	460.4	384.3	263.3	119.9	31.2	0.1	0.3	0.5	0.8	1.0
105°	475.4	449.7	373.6	253.5	115.2	29.9	0.1	0.3	0.5	0.8	1.0
106°	464.5	438.4	362.1	243.9	110.2	28.6	0.1	0.3	0.5	0.8	1.0
107°	452.4	426.5	350.6	234.4	105.6	27.2	0.1	0.3	0.5	0.8	1.0
108°	439.6	414.0	340.0	225.1	101.4	26.1	0.1	0.3	0.5	0.8	1.0
109°	427.5	402.3	328.7	215.9	97.2	25.0	0.1	0.3	0.5	0.8	1.0
110°	414.4	389.9	317.8	206.9	93.1	24.0	0.1	0.3	0.5	0.8	1.0
111°	401.8	377.0	306.8	198.1	89.0	23.0	0.1	0.3	0.5	0.8	1.0
112°	388.9	365.7	296.0	189.4	85.0	21.9	0.1	0.3	0.5	0.8	1.0
113°	376.8	353.2	285.3	180.8	80.9	21.0	0.1	0.3	0.5	0.8	1.0
114°	365.3	341.7	275.1	172.8	77.2	19.9	0.1	0.3	0.5	0.8	1.0
115°	353.1	330.2	265.3	164.8	73.6	19.0	0.1	0.3	0.5	0.8	1.0
116°	341.5	319.0	255.3	157.4	70.1	18.1	0.1	0.3	0.5	0.8	1.0
117°	329.5	307.9	245.4	150.1	66.7	17.2	0.1	0.3	0.5	0.8	1.0
118°	318.0	296.8	235.8	143.7	63.4	16.2	0.1	0.3	0.5	0.8	1.0
119°	307.4	286.4	226.3	136.7	60.4	15.2	0.1	0.3	0.5	0.7	1.0
120°	295.6	275.3	217.1	129.8	57.5	14.2	0.2	0.3	0.5	0.8	1.0
121°	285.0	264.5	207.9	123.0	54.8	13.2	0.2	0.3	0.5	0.7	1.0
122°	274.3	254.6	198.9	116.7	51.9	12.6	0.2	0.3	0.5	0.7	1.0
123°	263.8	244.4	190.1	111.1	49.1	12.1	0.2	0.3	0.5	0.7	0.9
124°	253.1	234.3	181.6	105.6	46.4	11.7	0.2	0.3	0.5	0.7	0.9
125°	242.5	224.6	173.1	100.5	43.7	11.4	0.2	0.3	0.5	0.8	0.9
126°	231.8	214.7	164.6	95.4	41.3	10.9	0.2	0.3	0.5	0.8	0.9
127°	222.1	205.2	156.4	90.6	39.1	10.5	0.2	0.3	0.5	0.8	0.9
128°	212.1	195.8	148.3	85.9	37.3	10.3	0.2	0.3	0.5	0.8	0.9
129°	202.1	186.3	140.4	81.2	35.6	10.0	0.2	0.4	0.6	0.8	0.9
130°	193.0	177.1	132.4	76.8	34.3	9.9	0.2	0.4	0.6	0.8	1.0
131°	183.4	168.0	124.8	72.6	32.8	9.9	0.2	0.4	0.6	0.8	1.0
132°	174.1	159.1	117.1	68.2	31.5	9.7	0.2	0.4	0.6	0.8	1.0
133°	165.0	150.3	109.5	63.9	29.8	9.3	0.2	0.4	0.6	0.8	1.0
134°	156.2	141.6	102.2	59.7	27.9	8.8	0.2	0.4	0.6	0.8	1.0

REPORT NUMBER: P1444946

CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
135°	147.5	133.2	95.4	55.6	26.1	8.0	0.2	0.4	0.6	0.8	1.0
136°	138.8	125.0	89.0	51.7	24.6	7.4	0.3	0.4	0.6	0.8	1.0
137°	129.8	116.8	82.6	48.3	23.4	7.0	0.3	0.4	0.6	0.8	1.0
138°	121.5	108.6	76.2	45.4	22.3	6.8	0.3	0.4	0.6	0.8	1.0
139°	113.0	100.5	70.8	42.7	21.3	6.5	0.3	0.4	0.6	0.8	1.0
140°	104.8	92.5	65.5	40.2	20.5	6.2	0.3	0.5	0.6	0.8	1.0
141°	96.5	84.5	60.6	37.9	19.8	5.9	0.3	0.5	0.6	0.8	1.0
142°	88.4	76.5	55.8	35.8	19.4	5.5	0.3	0.5	0.6	0.8	1.0
143°	80.3	69.0	51.3	34.0	18.9	5.2	0.4	0.5	0.6	0.8	0.9
144°	72.2	62.1	46.9	32.6	18.5	4.8	0.4	0.5	0.7	0.8	0.9
145°	64.3	56.0	43.2	31.3	18.1	4.4	0.4	0.5	0.7	0.8	0.9
146°	56.3	50.1	39.9	30.0	17.4	4.1	0.4	0.5	0.7	0.8	0.9
147°	49.1	45.1	37.2	28.9	16.5	3.7	0.4	0.5	0.7	0.8	0.9
148°	42.5	40.8	34.7	28.0	15.4	3.3	0.4	0.5	0.7	0.8	0.9
149°	38.0	37.4	32.9	27.1	14.5	3.0	0.4	0.6	0.7	0.8	0.9
150°	37.1	35.5	31.9	25.9	13.7	2.8	0.5	0.6	0.7	0.8	0.9
151°	37.8	35.6	31.2	24.4	13.0	2.5	0.5	0.6	0.7	0.8	0.9
152°	36.6	34.9	30.0	22.9	12.2	2.3	0.5	0.6	0.7	0.8	0.9
153°	34.8	33.3	28.4	21.4	11.4	2.0	0.5	0.6	0.7	0.8	0.9
154°	32.7	31.3	26.7	19.9	10.6	1.7	0.5	0.6	0.7	0.8	0.8
155°	30.5	29.2	24.8	18.4	9.9	1.3	0.5	0.6	0.7	0.7	0.8
156°	28.4	27.0	22.9	17.0	9.1	1.0	0.5	0.6	0.7	0.7	0.8
157°	26.5	25.1	21.1	15.7	8.4	0.7	0.6	0.6	0.7	0.7	0.8
158°	24.9	23.5	19.7	14.3	7.6	0.5	0.6	0.6	0.7	0.7	0.8
159°	23.3	22.0	18.3	13.1	6.9	0.5	0.6	0.6	0.7	0.7	0.7
160°	21.7	20.5	17.1	12.0	6.3	0.5	0.6	0.6	0.7	0.7	0.7
161°	19.8	18.8	15.7	10.9	5.7	0.5	0.6	0.6	0.7	0.7	0.7
162°	17.9	17.0	14.1	9.7	5.0	0.5	0.6	0.6	0.7	0.7	0.7
163°	16.1	15.3	12.6	8.6	4.2	0.5	0.6	0.6	0.7	0.7	0.7
164°	14.4	13.6	11.1	7.5	3.3	0.5	0.6	0.6	0.7	0.7	0.7
165°	12.7	12.0	9.9	6.6	2.6	0.6	0.6	0.6	0.7	0.7	0.6
166°	11.2	10.5	8.6	5.9	1.8	0.6	0.6	0.6	0.7	0.7	0.6
167°	9.8	9.2	7.4	5.0	1.1	0.6	0.6	0.6	0.7	0.6	0.6
168°	8.5	7.8	6.5	4.0	0.7	0.6	0.6	0.6	0.6	0.6	0.6
169°	7.1	6.8	5.5	2.9	0.5	0.6	0.6	0.6	0.6	0.6	0.6
170°	6.0	5.6	4.2	1.8	0.5	0.6	0.6	0.6	0.6	0.6	0.6
171°	4.5	4.2	2.8	0.9	0.5	0.6	0.6	0.6	0.6	0.6	0.6
172°	3.0	2.6	1.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
173°	1.4	1.1	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
174°	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
175°	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
176°	0.4	0.4	0.4	0.5	0.5	0.6	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: P1444946
CATALOG NUMBER: CWP30 (18W-4000K)

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: P1444946

CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8	351.8
1°	285.0	285.0	290.2	293.5	308.0	324.9	342.3	337.0	354.8	369.4	379.6
2°	218.6	217.0	224.0	234.8	260.6	287.5	326.1	339.6	371.0	389.3	403.4
3°	152.1	148.9	157.8	176.1	213.2	252.6	304.2	338.7	381.1	402.8	431.7
4°	76.2	71.2	82.6	118.6	165.7	217.8	284.1	336.2	385.6	423.9	471.0
5°	44.2	43.0	45.7	60.2	115.2	183.1	263.3	334.3	390.9	447.4	501.8
6°	36.1	35.6	36.6	41.5	65.3	155.2	245.2	332.9	398.1	473.6	517.9
7°	33.1	33.2	33.2	35.6	44.4	118.3	225.6	331.8	408.4	493.1	543.7
8°	33.4	33.7	33.3	33.2	37.7	80.8	205.9	325.0	414.9	504.9	576.6
9°	34.8	35.4	34.5	33.3	34.4	56.5	186.4	320.3	422.2	511.0	607.9
10°	37.3	38.4	37.1	34.4	32.9	44.4	170.2	315.3	429.7	529.1	629.5
11°	41.2	42.2	40.9	36.8	33.3	38.8	155.5	310.0	439.0	545.4	652.4
12°	47.1	47.9	46.4	40.2	34.1	35.7	137.6	301.1	438.9	562.3	681.4
13°	57.6	62.1	56.3	45.1	35.5	33.1	118.9	292.5	440.5	574.4	705.8
14°	73.1	77.7	71.2	52.3	38.1	31.7	100.9	287.3	439.2	577.7	721.6
15°	86.0	90.2	83.1	61.6	41.8	31.4	82.6	277.0	430.8	586.0	724.6
16°	91.7	91.1	90.8	71.1	46.0	31.9	66.7	266.3	422.4	605.2	733.5
17°	89.4	88.5	89.2	78.0	51.2	32.9	55.2	259.2	420.3	608.8	725.9
18°	88.5	86.1	86.8	83.6	56.2	34.2	45.6	249.4	424.1	618.2	716.4
19°	85.7	81.1	85.0	84.6	60.7	35.7	39.2	241.2	419.3	616.9	685.5
20°	78.7	75.0	79.4	81.0	64.3	38.3	35.4	235.3	417.6	611.1	676.8
21°	72.3	67.7	71.4	77.5	66.6	41.1	32.7	230.5	420.6	608.1	664.6
22°	67.3	61.5	67.9	72.4	67.8	44.0	30.4	224.2	421.1	601.6	657.5
23°	60.7	56.7	60.3	67.9	66.9	46.3	28.9	218.9	419.3	593.1	647.0
24°	55.4	51.9	55.0	62.7	65.8	48.6	27.7	213.9	416.6	584.9	660.3
25°	51.5	46.8	51.3	57.2	63.5	49.9	27.0	208.7	417.0	564.3	670.2
26°	46.8	42.5	45.7	52.0	61.1	51.0	26.8	205.1	410.0	542.2	685.0
27°	41.8	38.5	41.3	47.1	57.5	51.3	27.0	199.5	412.1	531.4	699.2
28°	37.6	32.7	36.4	42.4	53.3	51.1	27.4	194.2	412.4	523.5	711.5
29°	32.2	27.0	31.7	37.4	49.1	50.4	27.9	189.4	409.5	510.4	721.2
30°	27.0	21.4	26.5	33.0	45.3	49.0	28.6	183.5	406.3	504.2	728.2
31°	21.8	15.7	21.4	28.6	41.4	47.4	29.6	176.4	402.2	498.0	733.2
32°	16.7	12.5	16.2	24.7	37.4	45.6	30.5	169.9	397.7	500.3	731.8
33°	13.2	11.6	13.0	20.7	33.6	43.4	31.2	163.2	388.4	502.1	730.0
34°	10.9	10.4	11.0	16.8	29.9	40.9	31.9	157.5	376.0	506.3	727.5
35°	9.2	9.3	9.3	14.2	26.5	38.5	32.4	149.7	368.4	507.8	728.3
36°	8.1	8.4	7.9	12.0	23.6	35.8	32.6	143.1	359.3	508.5	729.6
37°	7.3	6.2	7.2	9.9	20.6	33.2	32.3	135.4	348.2	507.6	729.7
38°	5.7	5.5	5.7	8.1	17.7	30.4	31.9	129.0	337.6	505.5	728.0
39°	4.9	4.9	4.8	6.5	15.0	27.9	31.0	122.6	327.0	502.0	727.1
40°	4.3	4.2	4.1	5.6	12.5	25.4	30.1	117.1	315.8	498.6	727.0
41°	3.6	0.7	3.6	4.4	10.5	23.2	29.0	111.6	303.1	495.4	728.2
42°	0.4	0.2	0.8	3.3	8.9	21.0	27.7	107.8	289.8	491.7	731.7
43°	0.2	0.2	0.2	2.5	7.4	18.7	26.4	101.8	281.8	488.3	732.9
44°	0.2	0.2	0.2	2.1	5.9	16.8	25.0	97.9	274.5	486.9	734.4

REPORT NUMBER: P1444946

CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
45°	0.2	0.3	0.3	0.8	4.8	15.0	23.7	91.8	264.9	484.9	736.2
46°	0.3	0.3	0.3	0.2	3.8	13.3	22.3	85.7	256.5	483.5	735.7
47°	0.3	0.3	0.3	0.2	2.9	11.9	20.9	79.7	246.5	482.8	734.5
48°	0.3	0.3	0.3	0.3	1.9	10.4	19.4	72.7	237.3	480.7	734.7
49°	0.3	0.3	0.3	0.3	1.2	9.0	18.0	66.9	229.7	479.6	727.6
50°	0.3	0.3	0.3	0.3	0.9	7.6	16.6	61.2	222.0	475.8	724.7
51°	0.3	0.3	0.3	0.3	0.3	6.4	15.2	55.3	215.4	472.9	731.9
52°	0.3	0.4	0.4	0.3	0.2	5.4	13.8	50.5	208.2	468.9	735.9
53°	0.4	0.4	0.4	0.3	0.3	4.5	12.6	44.9	202.2	462.8	734.7
54°	0.4	0.4	0.4	0.3	0.3	3.6	11.3	40.8	195.7	457.4	730.6
55°	0.4	0.4	0.4	0.3	0.3	2.8	10.1	36.7	189.4	455.5	728.5
56°	0.4	0.4	0.4	0.4	0.3	2.1	9.0	33.5	183.1	451.2	725.7
57°	0.4	0.4	0.4	0.4	0.3	1.5	8.0	30.8	178.1	444.8	723.3
58°	0.4	0.5	0.5	0.4	0.3	0.9	7.0	28.8	172.4	436.7	725.3
59°	0.5	0.5	0.5	0.4	0.3	0.6	6.2	27.2	168.4	431.0	728.0
60°	0.5	0.5	0.5	0.4	0.3	0.3	5.4	25.2	164.5	422.8	723.4
61°	0.5	0.5	0.5	0.4	0.3	0.3	4.8	24.0	159.3	415.7	721.2
62°	0.5	0.6	0.5	0.5	0.3	0.2	4.2	22.9	154.7	410.8	719.1
63°	0.5	0.6	0.6	0.5	0.4	0.2	3.7	21.8	150.9	403.7	712.1
64°	0.6	0.6	0.6	0.5	0.4	0.2	3.2	20.7	147.0	397.9	702.5
65°	0.6	0.6	0.6	0.5	0.4	0.2	2.8	19.6	143.1	390.4	695.1
66°	0.6	0.7	0.6	0.5	0.4	0.3	2.4	18.6	139.6	383.6	690.3
67°	0.6	0.7	0.6	0.6	0.4	0.3	2.0	17.5	135.7	375.3	680.9
68°	0.7	0.7	0.7	0.6	0.4	0.3	1.7	16.4	132.1	366.6	668.2
69°	0.7	0.7	0.7	0.6	0.4	0.3	1.3	15.4	127.9	359.5	662.8
70°	0.7	0.7	0.7	0.6	0.5	0.3	1.0	14.3	123.8	351.2	656.1
71°	0.7	0.8	0.7	0.6	0.5	0.3	0.8	13.2	119.7	342.5	646.3
72°	0.7	0.8	0.8	0.6	0.5	0.3	0.5	12.2	115.8	334.7	637.9
73°	0.8	0.8	0.8	0.7	0.5	0.3	0.4	11.3	111.3	326.3	628.4
74°	0.8	0.8	0.8	0.7	0.5	0.3	0.3	10.3	107.4	318.7	608.5
75°	0.8	0.9	0.8	0.7	0.5	0.3	0.2	9.4	103.5	310.0	594.7
76°	0.8	0.9	0.8	0.7	0.5	0.3	0.2	8.4	99.7	297.2	581.9
77°	0.9	0.9	0.9	0.7	0.5	0.3	0.2	7.6	95.2	287.7	571.4
78°	0.9	0.9	0.9	0.8	0.6	0.3	0.2	6.7	91.0	279.3	558.5
79°	0.9	0.9	0.9	0.8	0.6	0.4	0.2	5.9	86.8	269.0	545.2
80°	0.9	1.0	0.9	0.8	0.6	0.4	0.2	5.0	82.6	260.2	533.2
81°	0.9	1.0	0.9	0.8	0.6	0.4	0.2	4.3	79.0	251.1	513.5
82°	0.9	1.0	1.0	0.8	0.6	0.4	0.2	3.6	75.4	242.1	501.7
83°	1.0	1.0	1.0	0.8	0.6	0.4	0.2	2.8	72.1	232.0	483.8
84°	1.0	1.0	1.0	0.8	0.6	0.4	0.2	2.1	68.6	223.2	466.4
85°	1.0	1.0	1.0	0.9	0.6	0.4	0.2	1.5	65.8	214.5	451.4
86°	1.0	1.1	1.0	0.9	0.6	0.4	0.2	1.0	63.5	207.6	436.0
87°	1.0	1.1	1.0	0.9	0.7	0.4	0.2	0.6	61.5	201.3	420.4
88°	1.0	1.1	1.0	0.9	0.7	0.4	0.2	0.3	60.2	196.2	406.2
89°	1.1	1.1	1.1	0.9	0.7	0.4	0.2	0.2	58.9	192.6	395.5

REPORT NUMBER: P1444946

CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
90°	1.1	1.1	1.1	0.9	0.7	0.4	0.2	0.1	57.7	189.4	385.5
91°	1.1	1.1	1.1	0.9	0.7	0.4	0.2	0.1	56.1	186.4	376.1
92°	1.1	1.2	1.1	1.0	0.7	0.4	0.2	0.1	53.6	182.0	368.9
93°	1.1	1.2	1.1	1.0	0.7	0.5	0.2	0.1	51.4	177.1	362.6
94°	1.1	1.2	1.1	1.0	0.7	0.5	0.2	0.1	49.2	171.9	354.7
95°	1.1	1.2	1.1	1.0	0.7	0.5	0.2	0.1	47.1	165.8	345.9
96°	1.2	1.2	1.2	1.0	0.7	0.5	0.3	0.1	45.2	159.9	335.0
97°	1.2	1.2	1.2	1.0	0.7	0.5	0.3	0.1	43.6	155.2	325.5
98°	1.2	1.2	1.2	1.0	0.8	0.5	0.3	0.1	41.9	150.5	316.9
99°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	40.4	146.1	308.6
100°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	39.0	141.5	299.8
101°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	37.6	137.2	291.7
102°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	36.1	132.1	282.3
103°	1.2	1.3	1.2	1.1	0.8	0.5	0.3	0.1	34.4	126.9	272.9
104°	1.2	1.3	1.2	1.1	0.8	0.5	0.3	0.1	32.9	121.9	262.9
105°	1.2	1.3	1.2	1.1	0.8	0.5	0.3	0.1	31.5	117.2	253.6
106°	1.2	1.3	1.2	1.1	0.8	0.5	0.3	0.1	30.0	112.6	244.0
107°	1.2	1.3	1.2	1.1	0.8	0.5	0.3	0.1	28.8	108.2	234.8
108°	1.2	1.3	1.2	1.1	0.8	0.5	0.3	0.1	27.5	103.8	225.5
109°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	26.4	99.6	216.4
110°	1.2	1.3	1.2	1.1	0.8	0.5	0.3	0.1	25.3	95.6	207.7
111°	1.2	1.3	1.2	1.1	0.8	0.5	0.3	0.1	24.2	91.4	199.2
112°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	23.1	87.3	190.6
113°	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	22.0	83.3	182.5
114°	1.2	1.2	1.2	1.0	0.8	0.5	0.3	0.1	20.9	79.2	174.2
115°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	19.9	75.4	166.2
116°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	19.0	71.9	158.8
117°	1.1	1.2	1.2	1.0	0.8	0.5	0.3	0.1	18.0	68.4	151.4
118°	1.1	1.2	1.1	1.0	0.8	0.6	0.3	0.1	17.0	65.1	144.7
119°	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.1	16.0	61.8	137.7
120°	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.1	14.9	58.8	130.8
121°	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.1	14.0	55.7	124.2
122°	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.1	13.4	52.6	118.0
123°	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.1	13.0	49.6	112.4
124°	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.1	12.5	46.9	106.7
125°	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.1	12.0	44.2	101.6
126°	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.1	11.5	41.9	96.5
127°	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.1	11.1	39.8	91.7
128°	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.1	11.0	38.0	86.9
129°	1.1	1.2	1.1	1.0	0.9	0.7	0.4	0.1	10.8	36.3	82.0
130°	1.1	1.2	1.1	1.0	0.9	0.7	0.5	0.1	10.7	34.8	77.8
131°	1.1	1.2	1.1	1.0	0.9	0.7	0.5	0.2	10.6	33.1	73.2
132°	1.1	1.2	1.1	1.0	0.9	0.7	0.5	0.2	10.1	31.4	68.5
133°	1.1	1.2	1.1	1.1	0.9	0.7	0.5	0.2	9.5	29.4	64.2
134°	1.1	1.2	1.1	1.1	0.9	0.7	0.5	0.2	8.7	27.5	59.8

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CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
135°	1.1	1.2	1.1	1.1	0.9	0.7	0.5	0.2	8.0	25.9	55.4
136°	1.1	1.2	1.1	1.1	0.9	0.7	0.5	0.2	7.5	24.6	51.5
137°	1.1	1.1	1.1	1.1	0.9	0.7	0.5	0.2	7.3	23.4	48.2
138°	1.1	1.1	1.1	1.1	0.9	0.7	0.5	0.2	7.1	22.3	45.4
139°	1.1	1.1	1.1	1.1	0.9	0.7	0.6	0.2	6.8	21.3	42.7
140°	1.1	1.1	1.1	1.0	0.9	0.7	0.6	0.2	6.4	20.5	40.3
141°	1.1	1.1	1.1	1.0	0.9	0.7	0.6	0.2	6.0	19.9	37.8
142°	1.1	1.1	1.1	1.0	0.9	0.8	0.6	0.2	5.6	19.5	35.8
143°	1.1	1.1	1.1	1.0	0.9	0.8	0.6	0.3	5.2	19.1	34.0
144°	1.0	1.1	1.1	1.0	0.9	0.8	0.6	0.3	4.8	18.7	32.5
145°	1.0	1.1	1.1	1.0	0.9	0.8	0.6	0.3	4.4	18.1	31.2
146°	1.0	1.1	1.1	1.0	0.9	0.8	0.7	0.3	4.1	17.3	29.8
147°	1.0	1.1	1.1	1.0	0.9	0.8	0.7	0.3	3.7	16.3	28.7
148°	1.0	1.1	1.1	1.0	0.9	0.8	0.7	0.3	3.3	15.3	27.7
149°	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.3	3.0	14.4	26.8
150°	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.3	2.7	13.7	25.5
151°	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.3	2.4	12.9	24.0
152°	0.9	1.0	1.0	1.0	0.9	0.8	0.7	0.4	2.2	12.1	22.5
153°	0.9	1.0	1.0	1.0	0.9	0.8	0.8	0.4	1.8	11.2	21.0
154°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.4	1.5	10.4	19.4
155°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.4	1.1	9.7	17.9
156°	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.4	0.8	8.9	16.6
157°	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.4	0.5	8.1	15.2
158°	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.4	0.4	7.3	14.0
159°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4	6.6	12.9
160°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.4	6.0	11.7
161°	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.5	0.4	5.3	10.6
162°	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.5	0.4	4.5	9.4
163°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.5	0.4	3.7	8.2
164°	0.6	0.6	0.6	0.6	0.7	0.7	0.8	0.5	0.5	2.9	7.2
165°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.5	0.5	2.1	6.4
166°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.5	0.5	1.3	5.6
167°	0.6	0.5	0.5	0.5	0.6	0.6	0.7	0.5	0.5	0.7	4.7
168°	0.6	0.5	0.5	0.5	0.5	0.6	0.7	0.5	0.5	0.5	3.6
169°	0.5	0.5	0.5	0.5	0.5	0.6	0.7	0.5	0.5	0.5	2.5
170°	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	1.4
171°	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.6
172°	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4
173°	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4
174°	0.5	0.5	0.4	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.5
175°	0.5	0.5	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5
176°	0.5	0.5	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5	0.5
177°	0.5	0.5	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	0.6	0.5
179°	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.6	0.6	0.6	0.5



REPORT NUMBER: P1444946
CATALOG NUMBER: CWP30 (18W-4000K)

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: P1444946

CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	351.8	351.8	351.8
1°	387.0	391.4	394.8
2°	415.8	424.8	433.2
3°	461.8	476.8	486.5
4°	501.8	513.1	519.2
5°	525.9	545.7	558.4
6°	564.2	594.2	603.6
7°	600.8	637.1	646.7
8°	636.1	673.9	693.5
9°	670.2	720.6	739.6
10°	710.4	762.3	778.1
11°	746.5	778.6	791.9
12°	762.4	802.1	808.2
13°	781.4	807.0	804.7
14°	784.9	778.0	773.9
15°	776.8	764.6	777.8
16°	740.7	755.6	768.8
17°	743.2	766.9	766.8
18°	727.0	776.7	802.0
19°	729.3	799.4	834.3
20°	744.1	831.5	858.8
21°	764.5	864.5	884.6
22°	791.0	879.9	907.8
23°	814.0	903.4	930.6
24°	829.5	918.9	946.6
25°	848.7	935.4	963.9
26°	862.7	951.4	984.3
27°	872.0	965.4	996.0
28°	880.2	979.3	1007.2
29°	892.8	994.9	1027.9
30°	902.6	1011.0	1041.3
31°	914.3	1022.7	1047.5
32°	923.7	1028.1	1056.8
33°	930.4	1038.6	1072.9
34°	939.6	1050.4	1084.4
35°	948.2	1061.5	1097.4
36°	954.9	1072.9	1109.7
37°	962.5	1084.4	1124.2
38°	966.2	1103.0	1149.6
39°	975.7	1113.6	1153.2
40°	980.7	1125.0	1170.3
41°	986.4	1138.6	1176.0
42°	995.5	1134.9	1159.5
43°	994.6	1132.0	1171.3
44°	992.1	1130.5	1145.6

REPORT NUMBER: P1444946

CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
45°	991.6	1112.0	1136.6
46°	980.4	1126.7	1202.1
47°	971.4	1185.2	1246.0
48°	987.5	1192.9	1199.9
49°	1004.7	1161.8	1191.4
50°	1002.8	1158.9	1210.6
51°	1004.3	1168.5	1212.4
52°	1002.5	1170.4	1226.1
53°	991.7	1187.7	1252.3
54°	992.4	1204.5	1257.8
55°	999.2	1204.8	1249.2
56°	1007.0	1205.7	1250.7
57°	1008.7	1209.6	1255.2
58°	1011.4	1206.9	1239.8
59°	1011.0	1190.8	1211.9
60°	1007.5	1168.1	1197.7
61°	994.9	1159.9	1194.2
62°	982.3	1150.5	1184.7
63°	976.3	1144.0	1164.9
64°	972.9	1117.5	1139.0
65°	961.8	1099.9	1130.6
66°	946.1	1099.7	1130.7
67°	938.4	1080.0	1095.4
68°	928.8	1059.7	1095.7
69°	914.8	1052.6	1079.5
70°	904.4	1044.5	1077.1
71°	893.4	1010.3	1023.6
72°	868.6	971.2	1005.6
73°	834.1	970.1	996.0
74°	827.4	953.4	983.4
75°	813.7	936.0	959.8
76°	794.6	919.9	948.5
77°	779.5	898.7	925.4
78°	761.0	883.5	909.2
79°	744.1	870.0	897.1
80°	723.7	837.6	861.7
81°	706.7	828.2	853.9
82°	687.5	800.0	827.2
83°	664.3	774.4	804.3
84°	643.6	754.1	785.4
85°	626.7	735.2	768.1
86°	603.9	707.6	738.6
87°	585.5	693.4	721.8
88°	565.2	672.2	701.8
89°	547.0	649.3	678.3

REPORT NUMBER: P1444946

CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
90°	529.9	628.7	657.8
91°	512.0	607.1	637.1
92°	497.6	585.4	617.0
93°	489.1	569.3	596.9
94°	481.7	560.8	587.3
95°	471.6	556.1	583.3
96°	461.7	544.0	572.4
97°	448.8	532.4	559.0
98°	437.2	517.8	545.4
99°	428.9	506.4	534.1
100°	419.9	499.1	525.8
101°	410.0	489.2	517.8
102°	401.3	479.2	506.7
103°	391.1	469.4	495.7
104°	381.3	459.1	486.0
105°	370.0	448.1	475.4
106°	359.3	436.7	464.5
107°	348.5	424.8	452.4
108°	337.6	412.9	439.6
109°	326.9	400.6	427.5
110°	315.8	388.7	414.4
111°	305.5	376.7	401.8
112°	295.0	364.5	388.9
113°	285.1	353.0	376.8
114°	275.3	341.9	365.3
115°	265.1	330.0	353.1
116°	255.1	319.1	341.5
117°	245.2	308.1	329.5
118°	235.8	297.2	318.0
119°	226.7	285.8	307.4
120°	217.9	275.3	295.6
121°	208.9	264.8	285.0
122°	199.7	254.8	274.3
123°	191.1	244.5	263.8
124°	182.4	234.7	253.1
125°	173.8	225.0	242.5
126°	165.5	215.0	231.8
127°	157.4	205.6	222.1
128°	149.3	196.3	212.1
129°	141.2	187.2	202.1
130°	133.1	178.0	193.0
131°	125.4	168.6	183.4
132°	117.8	159.9	174.1
133°	110.3	150.8	165.0
134°	102.7	142.4	156.2

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CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
135°	95.2	133.9	147.5
136°	88.8	125.5	138.8
137°	82.4	117.4	129.8
138°	75.9	109.2	121.5
139°	70.3	101.0	113.0
140°	64.8	94.5	104.8
141°	59.7	85.8	96.5
142°	54.8	77.1	88.4
143°	50.2	69.5	80.3
144°	45.8	62.3	72.2
145°	42.0	55.7	64.3
146°	38.7	49.7	56.3
147°	36.0	44.6	49.1
148°	34.0	40.3	42.5
149°	32.5	37.0	38.0
150°	31.8	35.9	37.1
151°	31.2	36.0	37.8
152°	29.9	34.9	36.6
153°	28.3	33.2	34.8
154°	26.5	31.2	32.7
155°	24.6	29.0	30.5
156°	22.6	26.9	28.4
157°	21.0	25.1	26.5
158°	19.6	23.5	24.9
159°	18.3	22.0	23.3
160°	17.0	20.4	21.7
161°	15.5	18.6	19.8
162°	13.8	16.9	17.9
163°	12.3	15.2	16.1
164°	10.9	13.5	14.4
165°	9.7	11.9	12.7
166°	8.5	10.4	11.2
167°	7.3	9.1	9.8
168°	6.3	7.7	8.5
169°	5.2	6.7	7.1
170°	3.9	5.5	6.0
171°	2.5	4.0	4.5
172°	1.2	2.4	3.0
173°	0.4	1.0	1.4
174°	0.4	0.4	0.4
175°	0.4	0.4	0.4
176°	0.4	0.4	0.4
177°	0.5	0.4	0.4
178°	0.5	0.4	0.4
179°	0.5	0.4	0.4

REPORT NUMBER: P1444946

CATALOG NUMBER: CWP30 (18W-4000K)

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
180°	0.4	0.4	0.4

(END OF REPORT)