

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P511362

Luminaire Tested: **WPMLED15S-30W_SWITCH-3000K**

Issue Date: 4/9/2021

Test Information

Test Method: LM-79-08
Report Number: P511362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (EVERFINE)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: WPMLED15S-30W_SWITCH-3000K
Description: WALLPACK SELECTABLE CCT
Light Source: (240) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3977 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.13m x L: 0.26m x H: 0.9m)
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G3

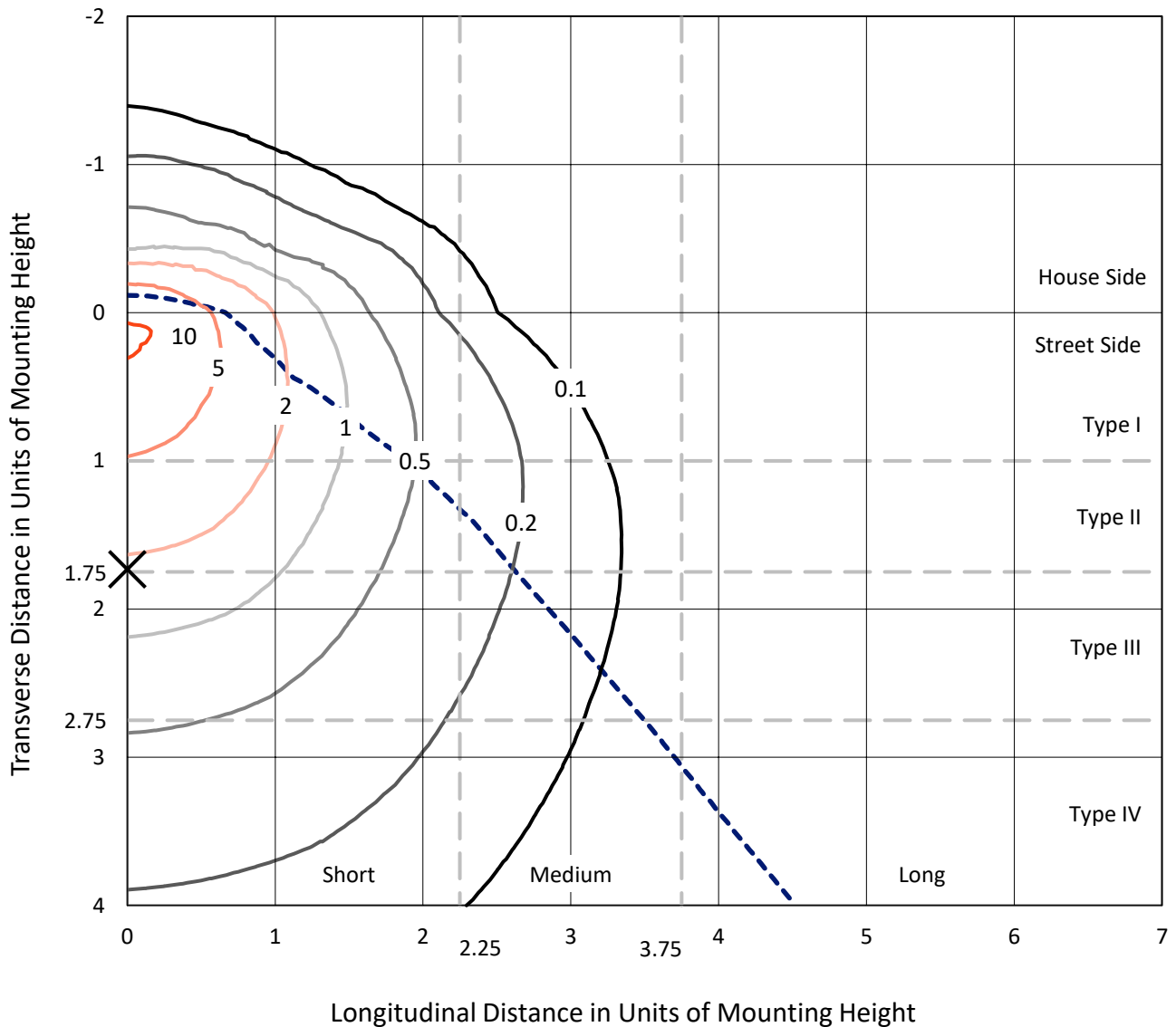
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

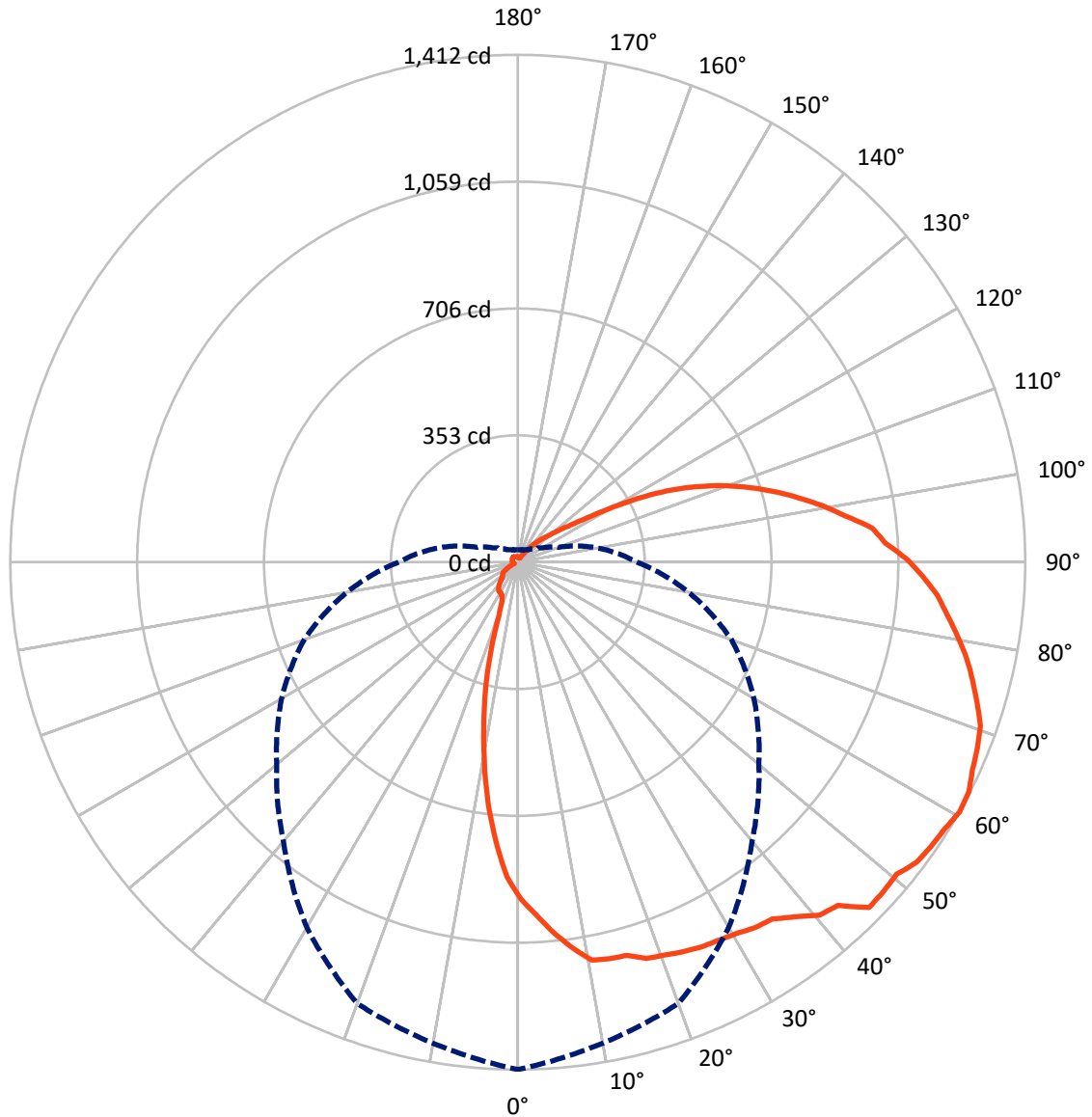
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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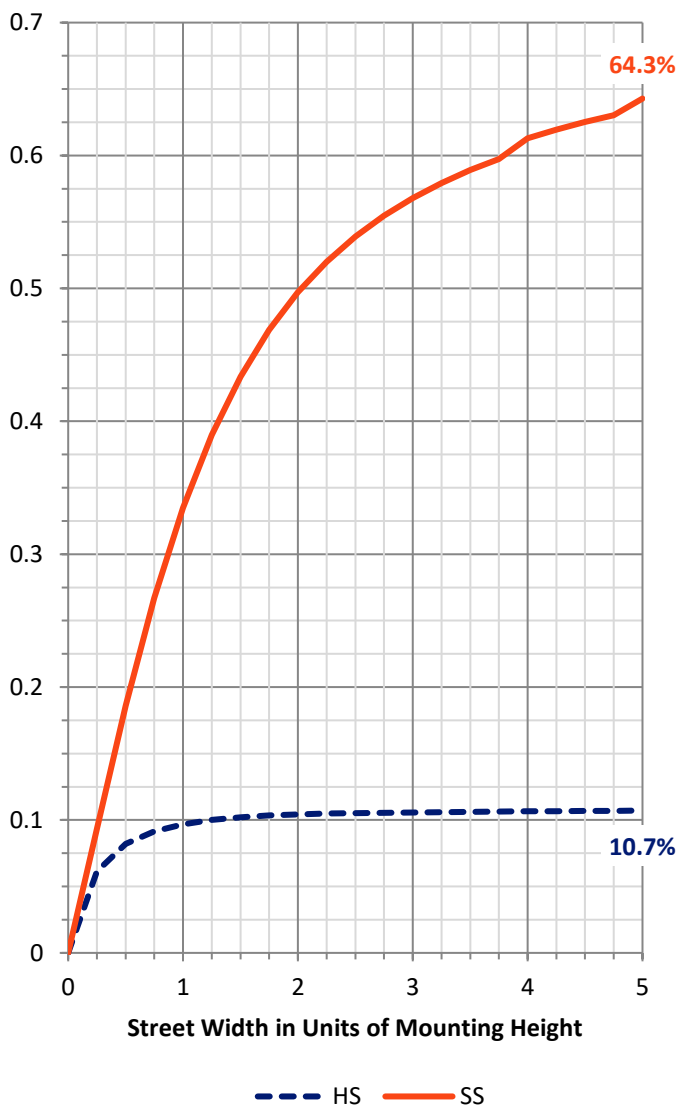
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	435.2	53.6	488.8
	% Fixture	10.9	1.3	12.3
Street Side	Lumens	2825.7	662.6	3488.2
	% Fixture	71.1	16.7	87.7
Total	Lumens	3260.8	716.2	3977.0
	% Fixture	82.0	18.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	2.2
10°-20°	227.3	5.7
20°-30°	317.4	8.0
30°-40°	386.6	9.7
40°-50°	442.2	11.1
50°-60°	479.7	12.1
60°-70°	488.3	12.3
70°-80°	450.3	11.3
80°-90°	382.9	9.6
90°-100°	297.8	7.5
100°-110°	205.3	5.2
110°-120°	113.9	2.9
120°-130°	50.7	1.3
130°-140°	24.7	0.6
140°-150°	11.7	0.3
150°-160°	6.7	0.2
160°-170°	4.1	0.1
170°-180°	1.4	0.0
0°-90°	3260.8	82.0
0°-180°	3977.0	100.0

Coefficient of Utilization

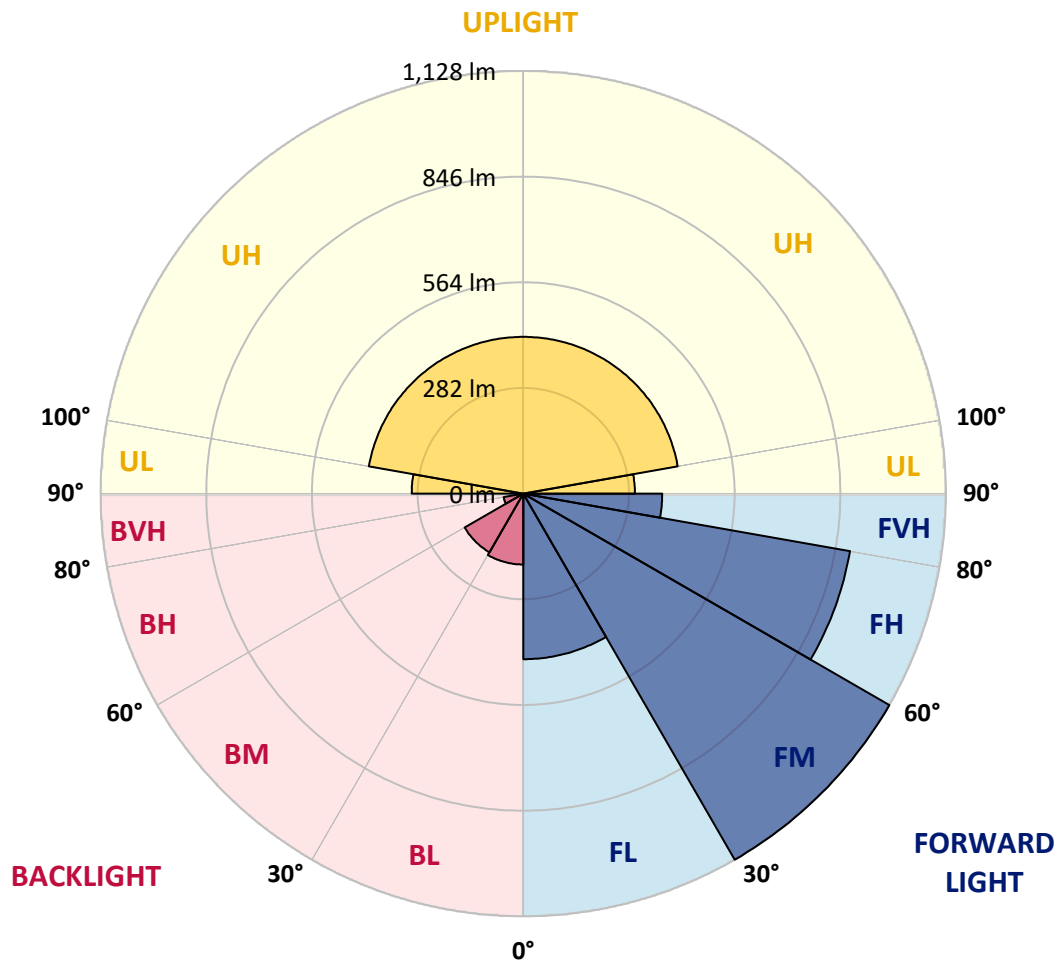


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	441.8	11.1			
FM (30°-60°)	1127.9	28.4			
FH (60°-80°)	885.3	22.3			G1/1800
FVH (80°-90°)	370.7	9.3			G3/500
BL (0°-30°)	189.2	4.8	B1/500		
BM (30°-60°)	180.6	4.5	B0/220		
BH (60°-80°)	53.3	1.3	B0/110		G0/110
BVH (80°-90°)	12.2	0.3			G1/100
UL (90°-100°)	297.8	7.5		U3/500	
UH (100°-180°)	418.3	10.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	936.4	936.4	936.4	936.4	936.4	936.4	936.4	936.4	936.4	936.4	936.4
2.5°	982.8	979.0	975.3	974.0	973.4	970.6	965.4	957.3	940.0	922.8	909.8
5°	1034.7	1030.4	1026.2	1021.9	1017.6	1005.1	984.6	964.3	944.9	925.6	907.2
7.5°	1082.3	1076.5	1070.6	1055.6	1037.4	1022.0	1009.4	991.6	957.9	924.3	886.4
10°	1125.8	1119.8	1113.8	1102.5	1089.4	1065.3	1030.3	993.2	949.7	906.2	857.8
12.5°	1131.9	1120.9	1109.8	1107.1	1107.2	1087.5	1048.0	1006.0	956.4	906.9	838.3
15°	1135.2	1118.9	1102.6	1093.6	1087.0	1070.6	1044.3	1010.2	952.5	894.8	809.4
17.5°	1158.9	1136.7	1114.5	1103.9	1097.1	1080.1	1053.0	1015.4	946.3	877.1	777.9
20°	1166.8	1154.2	1141.5	1122.4	1101.1	1075.6	1045.8	1004.4	928.0	851.7	738.7
22.5°	1177.3	1161.7	1146.1	1123.1	1097.6	1069.1	1037.8	993.5	910.2	826.9	698.5
25°	1186.2	1174.1	1162.1	1132.8	1097.8	1061.3	1023.2	973.6	889.7	805.7	662.0
27.5°	1191.0	1178.5	1165.9	1128.6	1083.0	1039.5	998.1	945.6	859.9	774.3	620.0
30°	1198.8	1181.6	1164.4	1119.7	1065.8	1018.0	976.2	923.3	837.2	751.2	584.1
32.5°	1212.0	1190.1	1168.3	1118.6	1059.6	1003.9	951.4	890.7	805.4	720.2	552.2
35°	1219.3	1196.1	1173.0	1120.4	1057.9	997.6	939.4	872.1	777.3	682.5	511.1
37.5°	1251.7	1218.3	1184.9	1119.8	1044.2	972.1	903.6	829.3	738.0	646.6	471.7
40°	1291.3	1251.0	1210.7	1130.5	1037.0	953.1	878.7	799.3	705.2	611.0	433.9
42.5°	1305.5	1269.8	1234.1	1146.7	1042.1	944.7	854.5	763.8	671.5	579.1	402.5
45°	1370.5	1317.4	1264.3	1163.7	1047.2	941.0	845.3	748.5	648.8	549.0	372.2
47.5°	1369.0	1321.5	1273.9	1170.8	1049.2	935.6	830.0	723.9	616.7	509.5	342.6
50°	1365.2	1322.9	1280.6	1174.0	1046.0	922.9	804.7	689.3	582.7	476.0	318.9
52.5°	1388.3	1335.1	1281.8	1171.3	1041.7	918.6	802.1	684.3	562.8	441.4	295.8
55°	1395.3	1342.7	1290.1	1172.1	1032.3	904.4	788.4	668.5	536.7	404.8	272.6
57.5°	1400.2	1349.3	1298.4	1171.0	1018.1	885.9	774.5	655.1	511.9	368.8	249.8
60°	1411.6	1359.0	1306.4	1173.6	1013.9	875.5	758.4	632.9	482.1	331.3	226.2
62.5°	1408.0	1360.8	1313.7	1179.8	1017.0	872.5	746.5	611.8	451.1	290.4	200.5
65°	1390.3	1347.7	1305.2	1172.1	1008.9	864.1	737.7	598.8	422.6	246.4	172.7
67.5°	1378.6	1337.5	1296.4	1157.0	984.9	837.1	713.6	575.1	391.2	207.4	147.4
70°	1365.4	1321.1	1276.8	1135.6	962.2	814.1	691.4	551.6	360.7	169.8	122.6
72.5°	1335.9	1297.1	1258.4	1115.3	937.5	785.2	658.2	515.6	325.7	135.8	100.0
75°	1306.7	1265.5	1224.4	1083.7	909.8	757.9	628.0	483.5	295.2	106.9	81.1
77.5°	1275.7	1234.0	1192.4	1053.4	881.9	728.3	592.7	445.7	264.7	83.7	65.7
80°	1239.8	1195.8	1151.8	1013.9	844.8	691.3	553.7	407.9	237.5	67.2	54.1
82.5°	1203.4	1158.3	1113.1	976.3	808.8	654.4	513.0	367.9	211.8	55.7	45.8
85°	1170.5	1126.7	1082.8	944.8	775.4	617.7	471.5	326.9	187.0	47.1	39.5
87.5°	1127.0	1080.6	1034.2	898.9	734.0	578.0	430.6	288.9	163.9	38.9	34.0
90°	1081.0	1034.3	987.6	855.1	694.1	539.9	392.5	254.3	143.4	32.5	29.6
92.5°	1023.6	979.0	934.4	806.9	651.8	500.0	351.4	216.5	122.8	29.0	27.2
95°	990.5	938.4	886.2	759.0	607.0	458.2	312.8	184.1	105.6	27.2	25.7
97.5°	921.2	876.1	830.9	709.2	562.1	418.1	277.4	155.7	90.9	26.2	24.7
100°	861.8	814.4	767.0	651.6	513.7	378.1	245.0	131.9	79.0	26.0	24.4
102.5°	798.8	754.4	710.1	600.3	468.7	340.5	215.5	111.2	68.7	26.2	24.1
105°	737.1	692.1	647.1	543.0	419.3	300.6	187.0	93.4	59.9	26.4	23.9
107.5°	672.8	629.3	585.8	487.5	371.0	262.3	161.6	79.5	52.9	26.4	23.6
110°	608.2	563.0	517.8	425.4	317.1	221.0	136.9	68.6	47.4	26.2	23.2



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 CATALOG NUMBER: WPMLED15S-30W_SWITCH-3000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	537.3	492.1	446.9	362.2	264.4	182.0	115.1	60.6	43.2	25.8	22.6
115°	460.7	417.7	374.6	299.8	214.4	146.0	94.6	52.6	38.9	25.1	21.9
117.5°	377.0	340.7	304.5	244.4	176.4	121.3	78.8	44.5	34.4	24.3	21.1
120°	288.0	261.7	235.4	192.3	143.6	101.6	66.4	38.2	30.7	23.2	20.3
122.5°	217.8	202.0	186.1	155.8	120.6	87.9	57.9	33.8	27.8	21.8	19.2
125°	172.5	163.8	155.0	131.5	103.1	76.2	50.5	30.1	25.3	20.5	18.3
127.5°	141.8	136.2	130.7	111.6	88.0	65.4	43.7	26.5	22.9	19.3	17.5
130°	117.2	113.6	110.0	93.4	72.5	53.4	36.3	22.9	20.5	18.2	16.8
132.5°	98.5	96.2	93.9	78.8	59.4	43.1	29.9	19.7	18.4	17.1	16.1
135°	84.0	81.3	78.5	65.2	48.4	35.0	25.0	17.4	16.8	16.2	15.6
137.5°	68.2	65.1	62.1	51.7	38.9	28.7	21.3	15.7	15.5	15.4	15.0
140°	53.3	50.8	48.4	40.5	30.9	23.4	18.3	14.4	14.5	14.5	14.4
142.5°	39.5	38.3	37.1	31.4	24.1	19.1	16.1	13.9	13.8	13.6	13.8
145°	28.9	28.1	27.2	23.6	19.1	16.2	14.9	13.8	13.3	12.7	13.2
147.5°	22.9	22.3	21.6	19.0	15.8	14.2	14.1	13.8	13.0	12.3	13.0
150°	18.9	18.2	17.6	15.8	13.6	12.8	13.5	13.9	13.2	12.4	13.2
152.5°	16.0	15.5	15.0	14.1	13.0	12.7	13.1	13.3	12.9	12.6	13.3
155°	13.7	13.2	12.7	12.6	12.6	12.6	12.7	12.7	12.7	12.7	13.4
157.5°	12.1	12.1	12.2	12.7	13.5	13.6	13.1	12.7	12.8	12.9	13.5
160°	12.5	12.6	12.8	13.2	13.8	13.8	13.2	12.9	12.9	13.0	13.6
162.5°	14.2	14.2	14.1	14.0	14.0	13.7	13.3	13.0	13.1	13.2	13.7
165°	14.7	14.5	14.3	13.9	13.4	13.1	13.1	13.1	13.2	13.3	13.8
167.5°	14.3	14.0	13.7	13.5	13.2	13.1	13.2	13.2	13.3	13.4	13.9
170°	13.5	13.4	13.3	13.3	13.3	13.3	13.4	13.4	13.5	13.5	13.9
172.5°	13.7	13.6	13.6	13.5	13.6	13.6	13.6	13.6	13.6	13.6	14.0
175°	14.0	13.9	13.9	13.8	13.8	13.8	13.8	13.7	13.7	13.7	14.0
177.5°	14.3	14.3	14.2	14.1	14.1	14.0	13.9	13.8	13.8	13.8	14.0
180°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	936.4	936.4	936.4	936.4	936.4	936.4	936.4	936.4
2.5°	896.7	889.3	883.8	877.8	871.3	867.5	871.3	875.2
5°	888.8	865.7	841.1	818.9	799.2	783.7	780.5	777.4
7.5°	848.6	810.3	771.8	740.2	715.5	694.5	684.9	675.2
10°	809.4	757.9	705.5	660.3	622.4	590.5	576.7	562.9
12.5°	769.8	701.5	633.3	573.5	522.2	480.4	467.3	454.2
15°	723.9	638.8	553.9	483.6	427.7	382.1	367.1	352.0
17.5°	678.8	580.2	481.8	402.1	341.0	290.1	269.7	249.2
20°	625.6	517.5	411.1	323.1	253.6	196.4	175.8	155.2
22.5°	570.1	453.1	340.0	251.0	186.2	135.3	126.0	116.6
25°	518.4	393.0	273.6	191.9	147.8	113.7	109.5	105.4
27.5°	465.7	339.5	222.5	151.3	125.7	105.8	103.1	100.4
30°	416.9	295.3	188.9	128.0	112.7	100.8	99.0	97.2
32.5°	384.3	268.9	170.9	116.6	106.0	97.8	97.4	96.9
35°	339.7	235.0	152.6	107.8	100.8	95.4	95.0	94.6
37.5°	296.8	203.4	137.1	101.1	95.5	90.9	89.5	88.2
40°	256.8	174.3	123.4	95.0	89.1	84.1	82.0	79.9
42.5°	225.9	152.0	112.2	89.0	82.1	76.5	74.1	71.8
45°	195.3	129.6	100.9	83.0	75.7	69.6	66.9	64.1
47.5°	175.7	116.1	92.3	76.6	69.1	62.8	60.3	57.8
50°	161.8	106.2	84.6	70.0	62.5	56.7	56.0	55.3
52.5°	150.2	98.2	77.5	63.6	56.4	51.2	52.5	53.7
55°	140.4	91.7	70.8	57.1	50.5	46.0	47.8	49.5
57.5°	130.9	85.4	64.5	51.0	45.2	41.0	41.7	42.5
60°	121.1	79.2	58.4	45.3	40.0	35.9	35.4	34.8
62.5°	110.7	72.9	52.4	39.7	34.7	30.6	29.2	27.9
65°	99.1	66.0	46.4	33.7	28.1	23.6	22.2	20.9
67.5°	87.4	58.6	40.3	27.4	20.0	14.0	12.3	10.7
70°	75.4	51.0	34.2	22.5	15.8	10.8	10.9	11.0
72.5°	64.2	43.8	28.7	18.9	14.4	11.1	11.2	11.3
75°	55.4	39.0	25.8	17.4	14.0	11.4	11.6	11.7
77.5°	47.6	34.7	23.4	16.5	13.8	11.8	11.9	12.1
80°	40.9	30.6	21.1	15.4	13.5	12.1	12.3	12.5
82.5°	35.9	27.4	19.4	14.7	13.4	12.4	12.6	12.8
85°	31.9	24.9	18.2	14.4	13.4	12.8	13.0	13.2
87.5°	29.0	23.4	17.4	14.2	13.5	13.1	13.4	13.6
90°	26.8	22.1	16.9	14.1	13.7	13.5	13.7	14.0
92.5°	25.3	21.3	16.6	14.1	13.9	13.8	14.1	14.4
95°	24.2	20.6	16.3	14.1	14.1	14.1	14.4	14.7
97.5°	23.3	20.0	16.1	14.2	14.3	14.4	14.7	15.0
100°	22.7	19.5	15.9	14.2	14.5	14.7	15.0	15.3
102.5°	22.0	19.1	15.8	14.3	14.7	15.0	15.3	15.6
105°	21.5	18.6	15.7	14.4	14.9	15.3	15.6	15.9
107.5°	20.8	18.2	15.6	14.6	15.1	15.6	15.9	16.2
110°	20.1	17.7	15.5	14.7	15.3	15.8	16.1	16.4



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 CATALOG NUMBER: WPMLED15S-30W_SWITCH-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	19.5	17.3	15.5	14.9	15.5	16.1	16.4	16.7
115°	18.7	16.8	15.4	15.1	15.7	16.3	16.6	17.0
117.5°	17.9	16.4	15.4	15.2	16.0	16.6	16.9	17.2
120°	17.3	16.0	15.3	15.4	16.2	16.8	17.1	17.4
122.5°	16.7	15.7	15.3	15.5	16.4	17.0	17.3	17.6
125°	16.1	15.5	15.4	15.7	16.5	17.2	17.5	17.8
127.5°	15.7	15.3	15.4	15.8	16.7	17.4	17.7	17.9
130°	15.4	15.2	15.4	16.0	16.8	17.6	17.8	18.1
132.5°	15.2	15.2	15.5	16.1	17.0	17.7	17.9	18.2
135°	15.0	15.1	15.6	16.2	17.1	17.8	18.0	18.3
137.5°	14.7	15.0	15.6	16.3	17.2	17.8	18.1	18.3
140°	14.3	14.9	15.6	16.4	17.2	17.9	18.1	18.3
142.5°	13.9	14.7	15.6	16.5	17.2	17.9	18.1	18.3
145°	13.8	14.6	15.6	16.5	17.2	17.8	18.0	18.3
147.5°	13.8	14.7	15.7	16.5	17.2	17.7	17.9	18.1
150°	13.9	14.8	15.7	16.4	17.1	17.6	17.8	18.0
152.5°	14.0	14.8	15.7	16.4	17.0	17.4	17.6	17.8
155°	14.1	14.9	15.6	16.3	16.8	17.3	17.4	17.6
157.5°	14.2	14.9	15.6	16.2	16.7	17.1	17.2	17.3
160°	14.2	14.9	15.5	16.1	16.5	16.9	17.0	17.1
162.5°	14.3	14.9	15.5	16.0	16.3	16.6	16.7	16.9
165°	14.3	14.8	15.4	15.8	16.2	16.4	16.5	16.6
167.5°	14.3	14.8	15.3	15.7	15.9	16.2	16.2	16.3
170°	14.4	14.8	15.2	15.5	15.7	15.9	15.9	16.0
172.5°	14.3	14.7	15.0	15.3	15.5	15.6	15.6	15.6
175°	14.3	14.6	14.9	15.1	15.3	15.4	15.4	15.3
177.5°	14.3	14.5	14.8	14.9	15.0	15.1	15.1	15.0
180°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7

(END OF REPORT)