

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: P511374

Luminaire Tested: **WPMLED25S-70W_SWITCH-3000K**

Issue Date: 4/9/2021

Test Information

Test Method: LM-79-08
Report Number: P511374
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: WPMLED25S-70W_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: 9779 lumens
Efficiency: N/A
Efficacy: 137.0 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 - U5 - G5

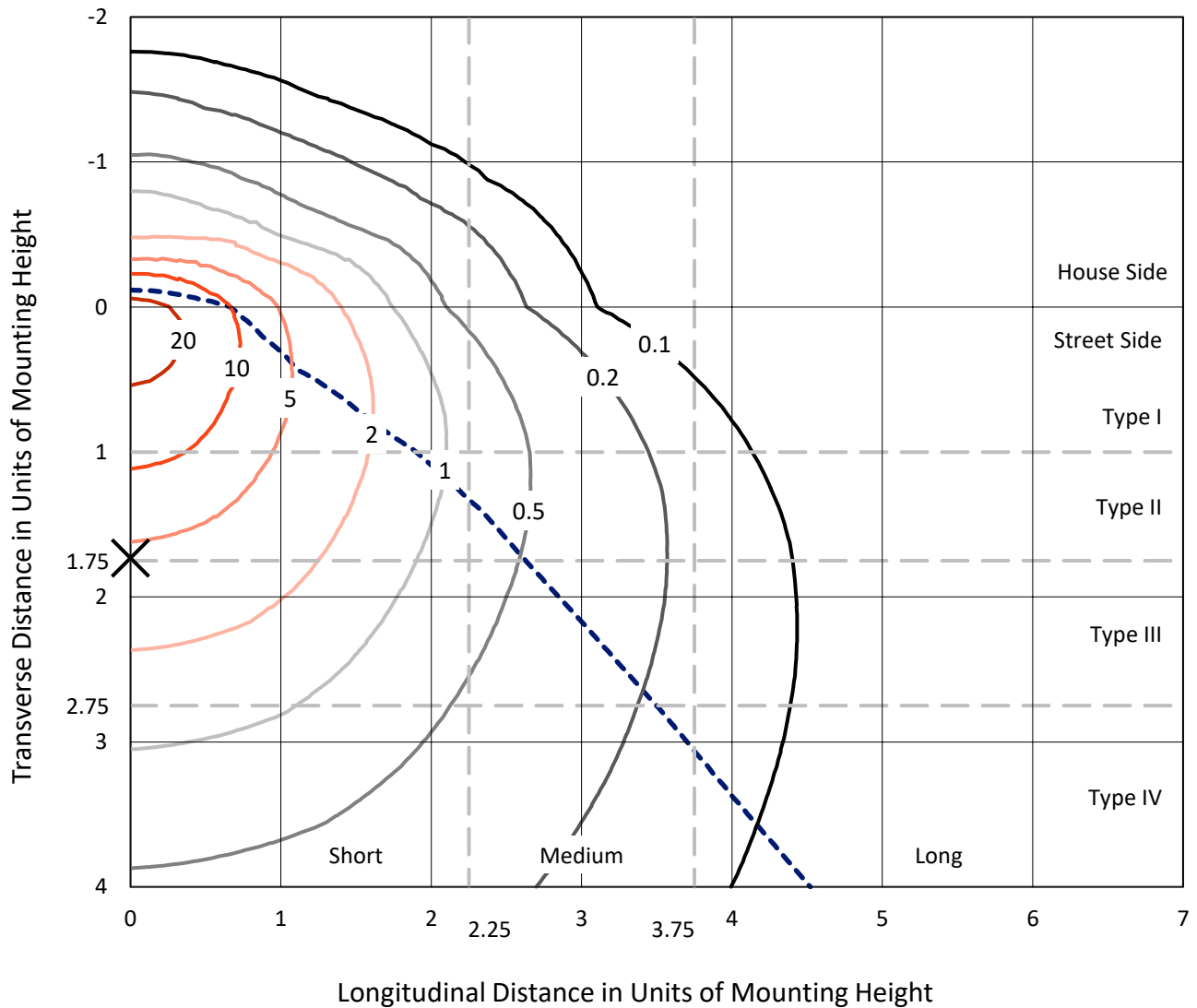
Input Watts (W): 71.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

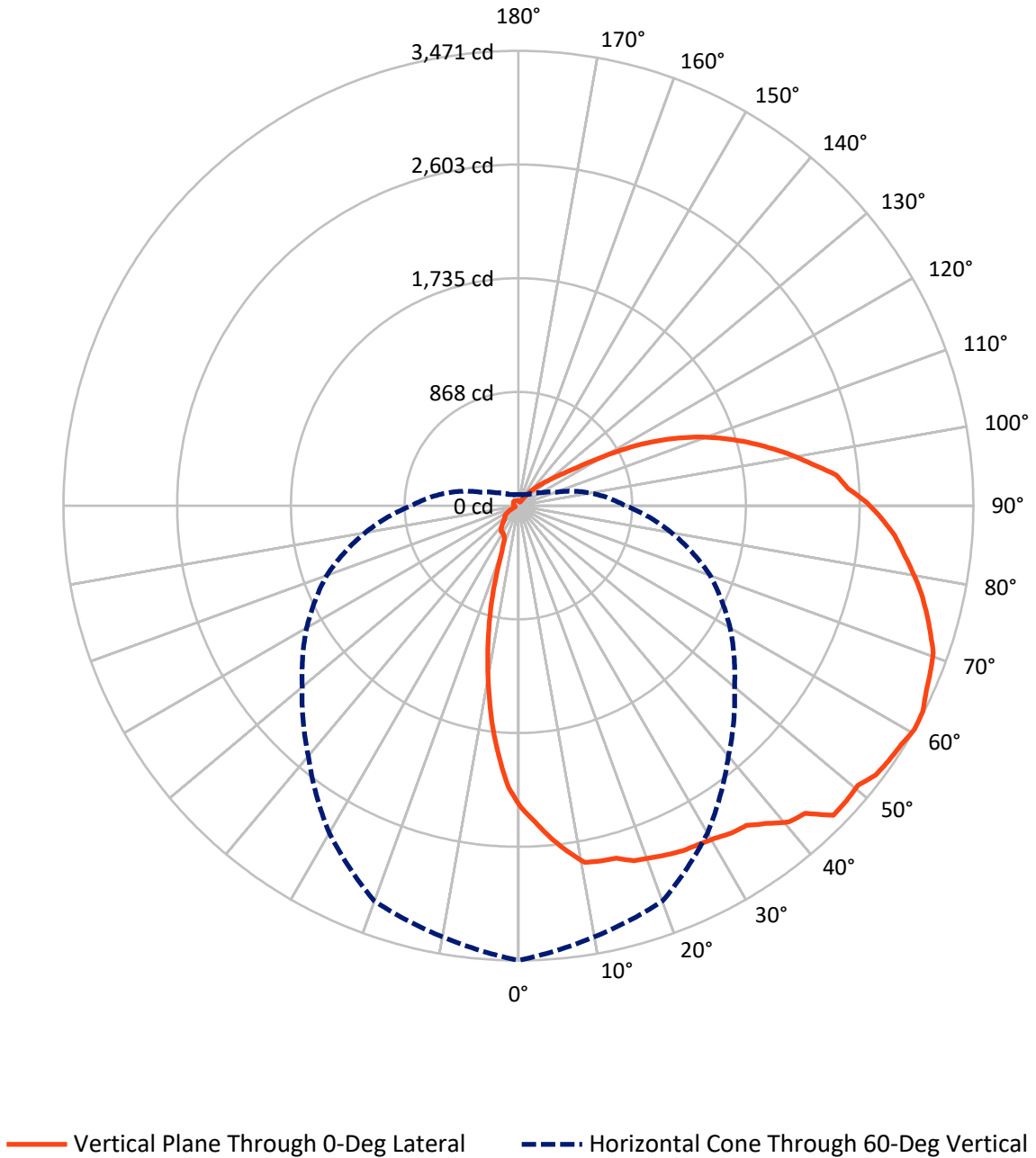
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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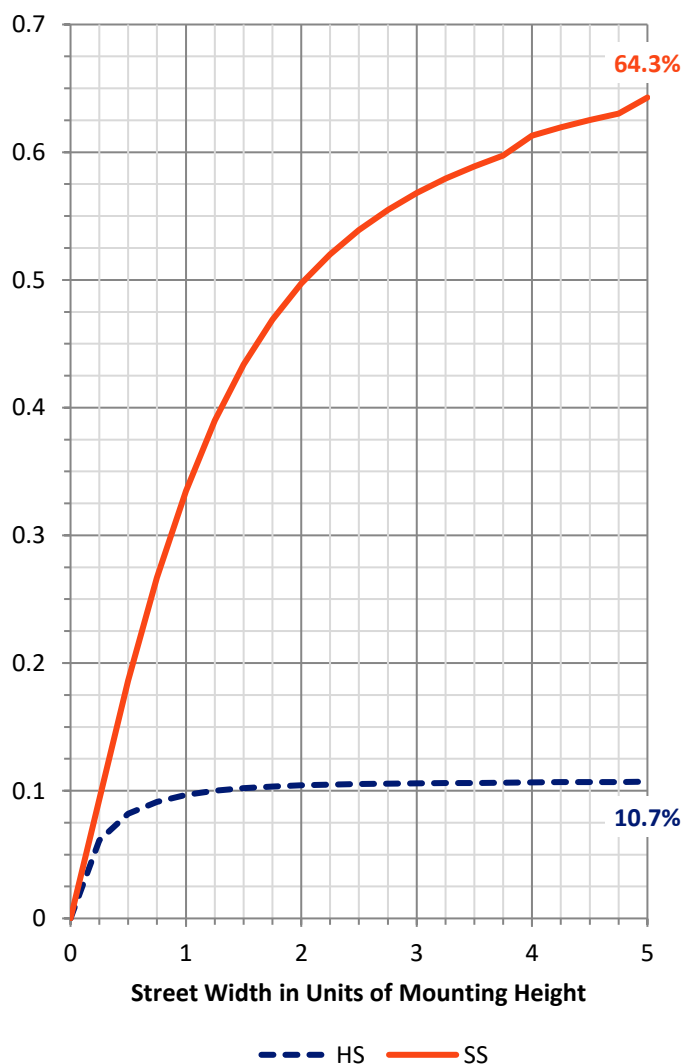
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1070.0	131.8	1201.8
	% Fixture	10.9	1.3	12.3
Street Side	Lumens	6948.0	1629.2	8577.2
	% Fixture	71.1	16.7	87.7
Total	Lumens	8018.0	1761.0	9779.0
	% Fixture	82.0	18.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.0	2.2
10°-20°	558.9	5.7
20°-30°	780.5	8.0
30°-40°	950.5	9.7
40°-50°	1087.4	11.1
50°-60°	1179.5	12.1
60°-70°	1200.6	12.3
70°-80°	1107.1	11.3
80°-90°	941.6	9.6
90°-100°	732.3	7.5
100°-110°	504.7	5.2
110°-120°	280.0	2.9
120°-130°	124.6	1.3
130°-140°	60.7	0.6
140°-150°	28.7	0.3
150°-160°	16.5	0.2
160°-170°	10.1	0.1
170°-180°	3.4	0.0
0°-90°	8018.0	82.0
0°-180°	9779.0	100.0

Coefficient of Utilization



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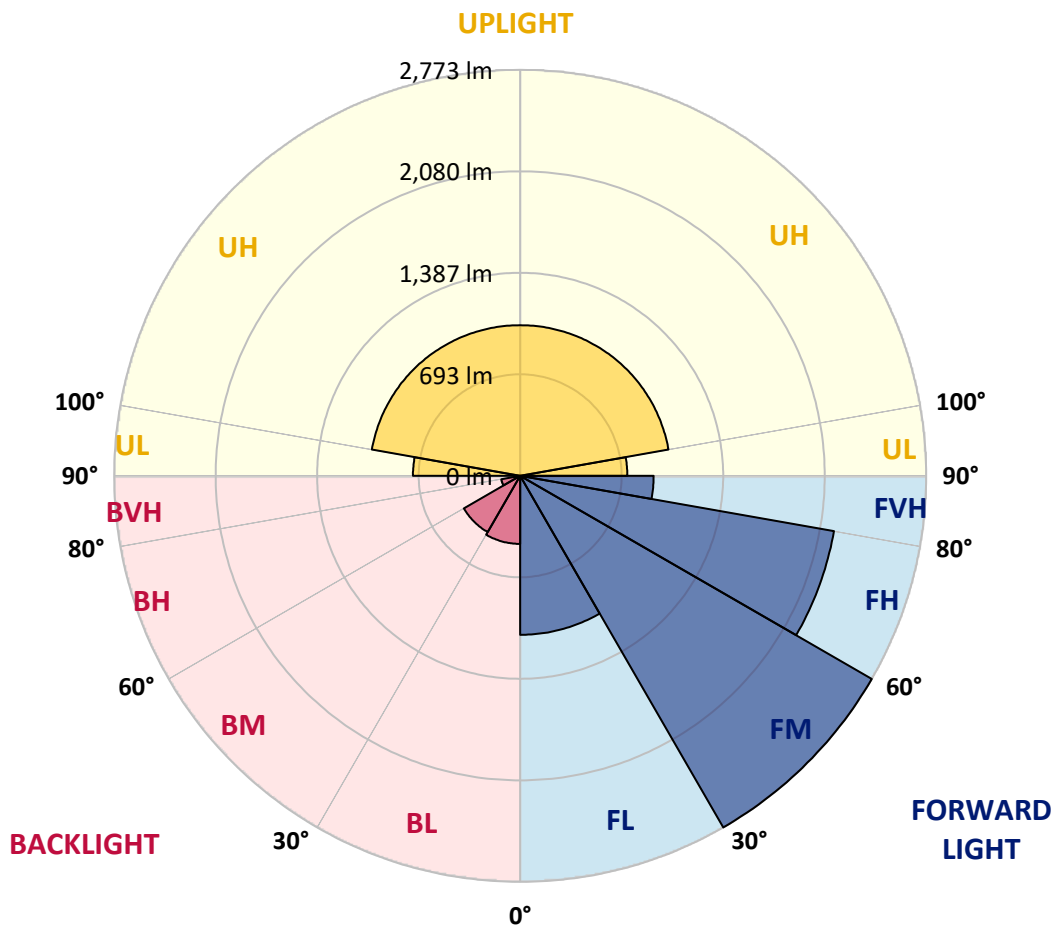
CATALOG NUMBER: WPMLD25S-70W_SWITCH-3000K

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1086.3	11.1			
FM (30°-60°)	2773.4	28.4			
FH (60°-80°)	2176.7	22.3			G2/5000
FVH (80°-90°)	911.6	9.3			G5
BL (0°-30°)	465.1	4.8	B1/500		
BM (30°-60°)	444.0	4.5	B1/1000		
BH (60°-80°)	130.9	1.3	B1/500		G1/500
BVH (80°-90°)	30.0	0.3			G1/100
UL (90°-100°)	732.3	7.5		U4/1000	
UH (100°-180°)	1028.7	10.5		U5	

BUG Rating: B1-U5-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2302.5	2302.5	2302.5	2302.5	2302.5	2302.5	2302.5	2302.5	2302.5	2302.5	2302.5
2.5°	2416.5	2407.3	2398.1	2394.8	2393.5	2386.5	2373.9	2353.8	2311.5	2269.1	2237.0
5°	2544.1	2533.7	2523.2	2512.7	2502.1	2471.5	2420.9	2371.0	2323.4	2275.8	2230.6
7.5°	2661.3	2646.9	2632.6	2595.5	2550.9	2513.0	2482.1	2438.2	2355.4	2272.6	2179.6
10°	2768.2	2753.5	2738.7	2710.8	2678.6	2619.4	2533.4	2442.1	2335.1	2228.2	2109.1
12.5°	2783.2	2756.1	2729.0	2722.3	2722.5	2674.0	2576.9	2473.6	2351.7	2229.9	2061.4
15°	2791.4	2751.3	2711.2	2689.0	2672.8	2632.4	2567.8	2483.9	2342.1	2200.3	1990.1
17.5°	2849.6	2795.1	2740.5	2714.3	2697.6	2655.9	2589.3	2496.8	2326.8	2156.8	1912.9
20°	2869.2	2838.0	2806.9	2759.8	2707.5	2644.7	2571.5	2469.7	2282.0	2094.2	1816.3
22.5°	2894.7	2856.5	2818.2	2761.5	2698.8	2628.9	2551.9	2442.9	2238.1	2033.3	1717.5
25°	2916.7	2887.1	2857.4	2785.4	2699.4	2609.5	2515.9	2394.1	2187.6	1981.0	1627.8
27.5°	2928.6	2897.7	2866.9	2775.1	2663.0	2556.0	2454.1	2325.1	2114.5	1903.9	1524.5
30°	2947.6	2905.3	2863.0	2753.2	2620.8	2503.1	2400.3	2270.2	2058.7	1847.2	1436.1
32.5°	2980.1	2926.4	2872.7	2750.5	2605.5	2468.5	2339.5	2190.2	1980.5	1770.8	1357.8
35°	2998.0	2941.1	2884.2	2754.8	2601.3	2453.0	2309.9	2144.3	1911.3	1678.3	1256.8
37.5°	3077.8	2995.7	2913.6	2753.5	2567.5	2390.2	2221.8	2039.3	1814.6	1590.0	1159.9
40°	3175.2	3076.1	2976.9	2779.8	2549.9	2343.5	2160.5	1965.4	1733.9	1502.5	1067.0
42.5°	3210.2	3122.4	3034.6	2819.7	2562.4	2322.9	2101.2	1878.1	1651.0	1423.9	989.7
45°	3369.9	3239.3	3108.8	2861.3	2574.9	2313.9	2078.4	1840.5	1595.2	1350.0	915.1
47.5°	3366.3	3249.4	3132.5	2879.0	2580.0	2300.6	2040.8	1780.1	1516.4	1252.8	842.4
50°	3356.9	3252.8	3148.8	2886.7	2572.0	2269.2	1978.6	1695.0	1432.7	1170.5	784.1
52.5°	3413.7	3282.8	3151.9	2880.1	2561.5	2258.8	1972.3	1682.6	1383.9	1085.2	727.2
55°	3430.8	3301.5	3172.3	2882.1	2538.4	2223.9	1938.7	1643.7	1319.6	995.4	670.3
57.5°	3442.9	3317.8	3192.7	2879.4	2503.4	2178.4	1904.3	1610.8	1258.8	906.8	614.3
60°	3470.9	3341.6	3212.4	2885.6	2493.1	2152.8	1864.9	1556.3	1185.4	814.6	556.2
62.5°	3462.0	3346.1	3230.1	2900.9	2500.6	2145.5	1835.6	1504.3	1109.2	714.0	493.0
65°	3418.5	3313.9	3209.3	2882.1	2480.8	2124.7	1813.8	1472.4	1039.1	605.8	424.7
67.5°	3389.8	3288.7	3187.7	2845.0	2421.8	2058.4	1754.8	1414.1	962.0	510.0	362.4
70°	3357.3	3248.3	3139.4	2792.3	2365.8	2001.7	1700.0	1356.4	886.9	417.4	301.4
72.5°	3284.9	3189.5	3094.2	2742.5	2305.3	1930.6	1618.5	1267.7	800.8	333.9	245.8
75°	3213.1	3111.8	3010.5	2664.6	2237.0	1863.6	1544.1	1188.8	725.8	262.8	199.5
77.5°	3136.9	3034.4	2931.9	2590.1	2168.5	1790.9	1457.3	1095.8	650.9	205.9	161.4
80°	3048.4	2940.3	2832.2	2493.2	2077.2	1700.0	1361.5	1002.9	584.0	165.2	132.9
82.5°	2959.0	2848.1	2737.1	2400.5	1988.7	1609.0	1261.4	904.7	520.9	137.0	112.6
85°	2878.1	2770.3	2662.5	2323.2	1906.7	1518.8	1159.4	803.9	459.8	115.7	97.1
87.5°	2771.3	2657.1	2543.0	2210.4	1804.9	1421.1	1058.9	710.4	403.0	95.6	83.5
90°	2658.1	2543.2	2428.3	2102.7	1706.8	1327.7	965.2	625.2	352.5	79.8	72.8
92.5°	2516.9	2407.2	2297.5	1984.1	1602.8	1229.4	864.0	532.3	301.8	71.4	66.8
95°	2435.6	2307.3	2179.0	1866.4	1492.4	1126.7	769.1	452.6	259.7	66.8	63.2
97.5°	2265.2	2154.2	2043.1	1743.9	1382.1	1028.2	682.2	382.9	223.6	64.4	60.9
100°	2119.0	2002.5	1885.9	1602.3	1263.0	929.7	602.3	324.3	194.2	64.0	59.9
102.5°	1964.2	1855.1	1746.0	1476.0	1152.5	837.1	529.9	273.4	168.9	64.4	59.3
105°	1812.4	1701.7	1591.0	1335.2	1031.0	739.2	459.8	229.7	147.3	64.9	58.8
107.5°	1654.3	1547.4	1440.4	1198.7	912.2	645.1	397.4	195.4	130.2	64.9	58.0
110°	1495.5	1384.3	1273.2	1045.9	779.8	543.4	336.7	168.7	116.6	64.5	57.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1321.2	1210.1	1099.0	890.7	650.1	447.5	283.1	149.0	106.2	63.4	55.6
115°	1132.9	1027.0	921.0	737.1	527.2	359.0	232.6	129.4	95.5	61.7	53.9
117.5°	926.9	837.8	748.6	601.0	433.9	298.2	193.9	109.4	84.6	59.8	52.0
120°	708.1	643.4	578.8	472.8	353.0	249.9	163.4	93.9	75.5	57.1	49.8
122.5°	535.5	496.6	457.7	383.0	296.5	216.3	142.3	83.2	68.4	53.7	47.3
125°	424.3	402.7	381.0	323.3	253.6	187.3	124.3	74.1	62.3	50.5	45.1
127.5°	348.5	334.9	321.3	274.4	216.4	160.7	107.4	65.2	56.3	47.5	43.1
130°	288.1	279.3	270.4	229.6	178.2	131.4	89.2	56.2	50.5	44.7	41.3
132.5°	242.3	236.6	230.8	193.7	146.0	106.0	73.6	48.4	45.3	42.1	39.7
135°	206.5	199.8	193.1	160.4	119.1	86.1	61.6	42.8	41.3	39.9	38.3
137.5°	167.6	160.2	152.8	127.2	95.5	70.6	52.3	38.5	38.2	37.8	37.0
140°	131.0	125.0	119.1	99.7	75.9	57.6	44.9	35.4	35.6	35.8	35.5
142.5°	97.1	94.1	91.2	77.1	59.3	46.9	39.7	34.2	33.9	33.6	33.9
145°	71.0	69.0	67.0	58.1	46.9	39.8	36.7	34.0	32.6	31.2	32.5
147.5°	56.4	54.7	53.1	46.8	39.0	34.9	34.6	34.0	32.1	30.2	32.1
150°	46.5	44.8	43.2	38.8	33.4	31.6	33.3	34.1	32.4	30.6	32.4
152.5°	39.3	38.0	36.8	34.6	32.0	31.2	32.1	32.6	31.8	31.0	32.7
155°	33.7	32.5	31.3	31.0	31.0	31.1	31.2	31.3	31.3	31.3	33.0
157.5°	29.7	29.9	30.0	31.3	33.1	33.4	32.1	31.3	31.5	31.7	33.3
160°	30.7	31.1	31.4	32.5	33.8	33.8	32.5	31.6	31.8	32.1	33.5
162.5°	35.0	34.8	34.6	34.5	34.3	33.7	32.7	31.9	32.2	32.4	33.8
165°	36.1	35.6	35.1	34.1	32.9	32.3	32.2	32.2	32.5	32.7	34.0
167.5°	35.2	34.5	33.8	33.1	32.5	32.3	32.4	32.6	32.8	33.0	34.1
170°	33.1	32.9	32.7	32.7	32.7	32.8	32.9	33.0	33.1	33.3	34.3
172.5°	33.7	33.5	33.3	33.3	33.3	33.3	33.4	33.4	33.4	33.5	34.4
175°	34.5	34.3	34.1	34.0	34.0	33.9	33.8	33.7	33.7	33.7	34.5
177.5°	35.2	35.0	34.8	34.7	34.7	34.5	34.2	34.0	34.0	33.9	34.5
180°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2302.5	2302.5	2302.5	2302.5	2302.5	2302.5	2302.5	2302.5
2.5°	2204.9	2186.7	2173.1	2158.3	2142.5	2133.0	2142.5	2152.0
5°	2185.4	2128.7	2068.1	2013.6	1965.2	1926.9	1919.2	1911.5
7.5°	2086.7	1992.4	1897.8	1820.0	1759.2	1707.7	1684.0	1660.2
10°	1990.1	1863.7	1734.7	1623.6	1530.3	1451.9	1418.0	1384.2
12.5°	1892.9	1724.9	1557.1	1410.1	1284.0	1181.3	1149.1	1116.9
15°	1779.9	1570.8	1362.0	1189.0	1051.7	939.5	902.5	865.6
17.5°	1669.0	1426.6	1184.7	988.6	838.4	713.3	663.1	612.9
20°	1538.4	1272.6	1010.8	794.4	623.6	482.9	432.3	381.7
22.5°	1401.8	1114.2	836.0	617.3	458.0	332.7	309.7	286.8
25°	1274.7	966.2	672.7	471.8	363.4	279.5	269.3	259.0
27.5°	1145.2	834.7	547.2	372.0	309.0	260.1	253.4	246.8
30°	1025.1	726.1	464.5	314.9	277.2	247.9	243.4	239.0
32.5°	944.9	661.1	420.3	286.8	260.6	240.6	239.5	238.3
35°	835.3	577.9	375.2	265.1	247.8	234.5	233.6	232.6
37.5°	729.8	500.1	337.1	248.6	234.8	223.5	220.2	216.8
40°	631.5	428.7	303.4	233.5	219.0	206.8	201.6	196.5
42.5°	555.5	373.7	276.0	218.7	202.0	188.0	182.2	176.5
45°	480.2	318.7	248.2	204.0	186.3	171.2	164.5	157.7
47.5°	432.1	285.5	226.9	188.4	169.9	154.5	148.3	142.0
50°	397.7	261.3	208.1	172.2	153.7	139.4	137.7	135.9
52.5°	369.2	241.5	190.6	156.3	138.6	126.0	129.0	132.0
55°	345.1	225.4	174.2	140.5	124.2	113.1	117.4	121.7
57.5°	321.8	210.0	158.5	125.5	111.1	100.8	102.6	104.4
60°	297.8	194.8	143.5	111.4	98.4	88.3	87.0	85.6
62.5°	272.1	179.2	128.9	97.6	85.2	75.2	71.9	68.6
65°	243.6	162.2	114.0	83.0	69.1	57.9	54.7	51.4
67.5°	215.0	144.2	99.0	67.3	49.1	34.4	30.3	26.2
70°	185.3	125.4	84.2	55.4	38.8	26.5	26.8	27.0
72.5°	157.8	107.8	70.5	46.4	35.4	27.3	27.6	27.9
75°	136.2	95.9	63.3	42.8	34.3	28.1	28.4	28.8
77.5°	117.0	85.2	57.6	40.5	33.8	28.9	29.3	29.7
80°	100.7	75.1	51.8	37.9	33.2	29.8	30.2	30.6
82.5°	88.3	67.4	47.6	36.1	32.9	30.6	31.1	31.6
85°	78.4	61.3	44.7	35.3	33.0	31.4	32.0	32.5
87.5°	71.4	57.4	42.9	34.8	33.3	32.3	32.9	33.5
90°	65.8	54.4	41.5	34.6	33.7	33.1	33.8	34.4
92.5°	62.2	52.3	40.7	34.7	34.1	33.9	34.6	35.3
95°	59.5	50.7	40.1	34.7	34.6	34.7	35.4	36.1
97.5°	57.3	49.2	39.6	34.9	35.1	35.5	36.2	36.9
100°	55.8	48.1	39.2	35.0	35.6	36.2	36.9	37.7
102.5°	54.2	46.9	38.8	35.2	36.1	36.9	37.6	38.4
105°	52.8	45.8	38.6	35.5	36.6	37.6	38.3	39.1
107.5°	51.1	44.7	38.4	35.9	37.1	38.2	39.0	39.8
110°	49.5	43.6	38.2	36.3	37.7	38.9	39.7	40.4



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 CATALOG NUMBER: WPMLED25S-70W_SWITCH-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	47.9	42.6	38.1	36.7	38.2	39.5	40.3	41.1
115°	46.0	41.4	37.9	37.0	38.7	40.2	40.9	41.7
117.5°	44.1	40.3	37.8	37.4	39.2	40.8	41.5	42.3
120°	42.4	39.4	37.7	37.8	39.7	41.4	42.1	42.8
122.5°	41.0	38.7	37.7	38.2	40.2	41.9	42.6	43.3
125°	39.7	38.1	37.8	38.6	40.7	42.4	43.1	43.8
127.5°	38.7	37.7	37.9	39.0	41.1	42.8	43.5	44.1
130°	37.9	37.4	37.9	39.3	41.4	43.2	43.8	44.5
132.5°	37.3	37.3	38.1	39.6	41.7	43.5	44.1	44.8
135°	36.8	37.2	38.3	39.9	42.0	43.7	44.3	44.9
137.5°	36.1	37.0	38.5	40.2	42.2	43.8	44.5	45.1
140°	35.2	36.6	38.5	40.4	42.3	43.9	44.5	45.1
142.5°	34.2	36.1	38.4	40.5	42.4	43.9	44.5	45.1
145°	33.8	36.0	38.4	40.5	42.3	43.8	44.3	44.9
147.5°	33.9	36.2	38.5	40.5	42.2	43.5	44.1	44.6
150°	34.2	36.3	38.6	40.4	42.0	43.3	43.8	44.3
152.5°	34.4	36.4	38.5	40.3	41.7	42.9	43.4	43.8
155°	34.6	36.5	38.5	40.1	41.4	42.4	42.9	43.3
157.5°	34.8	36.6	38.4	39.8	41.0	42.0	42.3	42.7
160°	35.0	36.6	38.2	39.6	40.6	41.5	41.8	42.1
162.5°	35.1	36.6	38.0	39.2	40.2	40.9	41.2	41.4
165°	35.2	36.5	37.8	38.9	39.7	40.4	40.6	40.8
167.5°	35.3	36.4	37.6	38.5	39.2	39.7	39.9	40.0
170°	35.3	36.3	37.3	38.1	38.6	39.1	39.2	39.3
172.5°	35.3	36.1	37.0	37.7	38.1	38.4	38.4	38.4
175°	35.2	36.0	36.7	37.2	37.6	37.8	37.8	37.7
177.5°	35.2	35.8	36.3	36.7	37.0	37.2	37.0	36.9
180°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7

(END OF REPORT)