

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: P511376

Luminaire Tested: **WPMLED25S-70W\_SWITCH-5000K**

Issue Date: 4/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511376  
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: WPMLD25S-70W\_SWITCH-5000K  
Description: WALLPACK SELECTABLE CCT  
Light Source: (240) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10083 lumens  
Efficiency: N/A  
Efficacy: 140.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.9' x L: 0.13' x H: 0.45')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U5 - G5

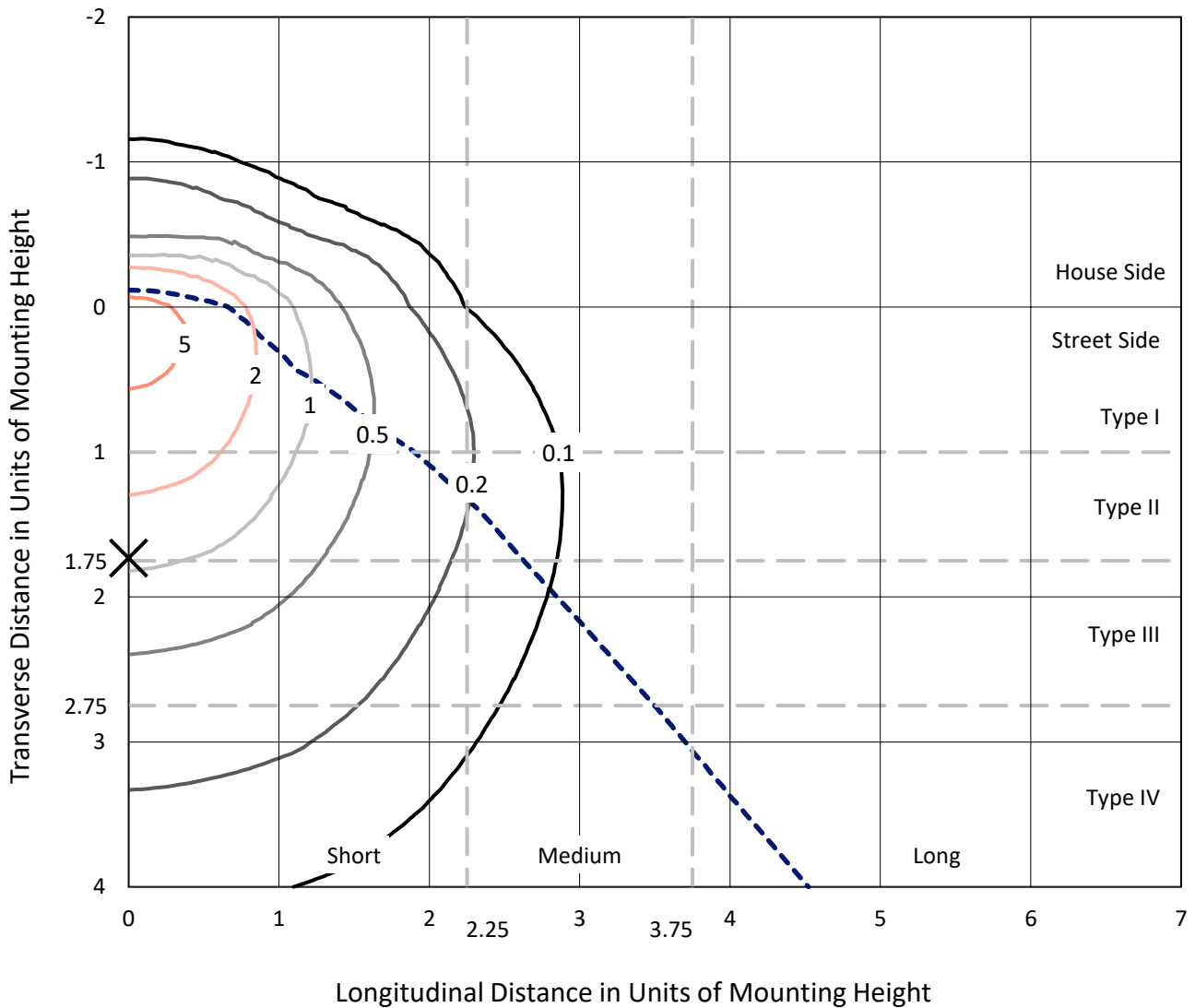
Input Watts (W): 71.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

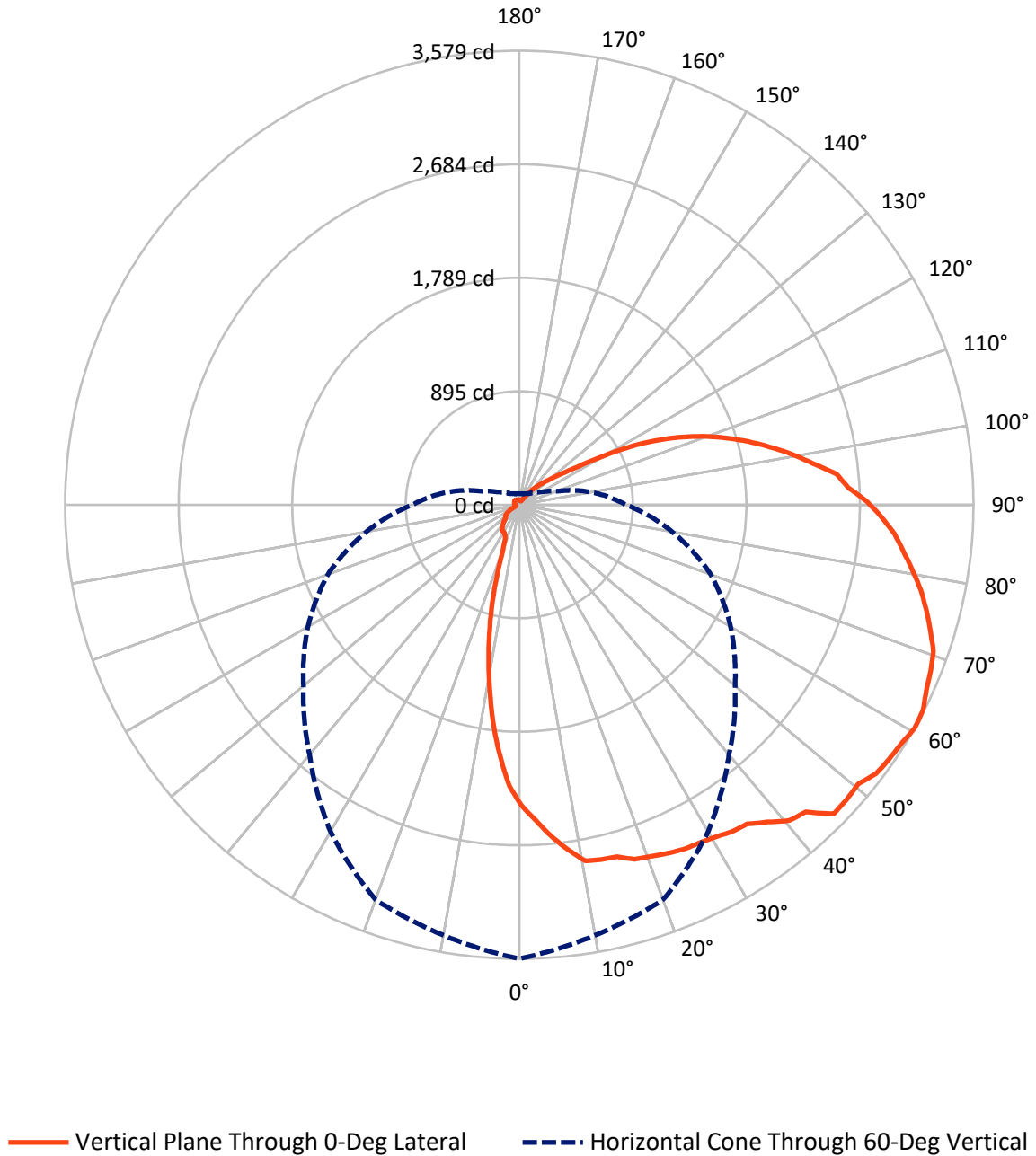
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 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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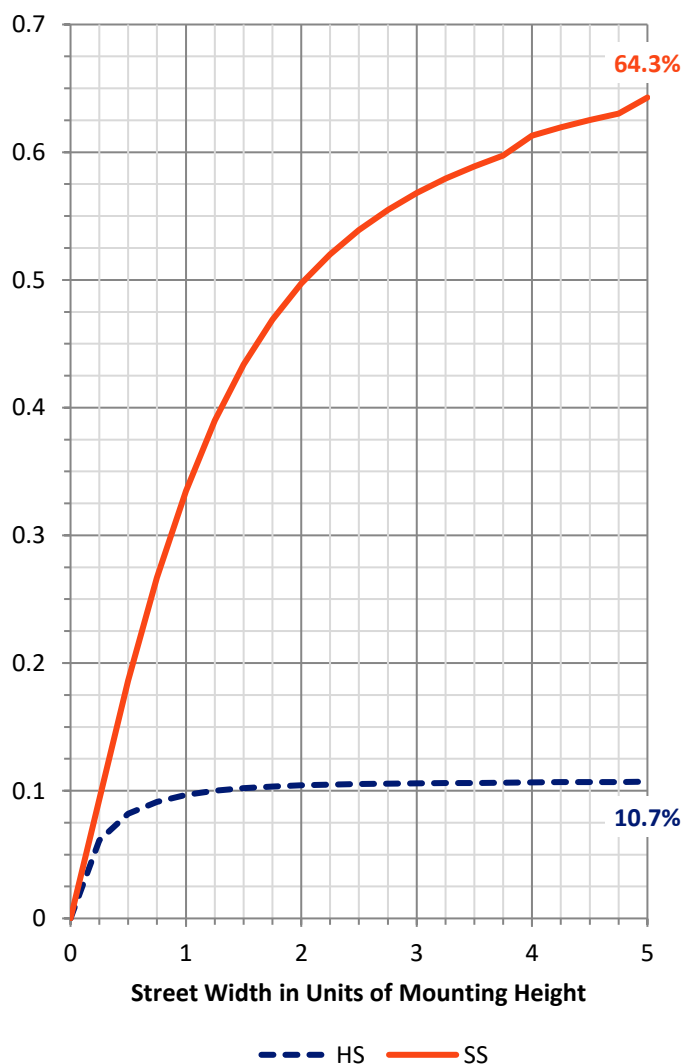
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1103.3	135.9	1239.1
	% Fixture	10.9	1.3	12.3
<b>Street Side</b>	Lumens	7164.0	1679.9	8843.8
	% Fixture	71.1	16.7	87.7
<b>Total</b>	Lumens	8267.3	1815.7	10083.0
	% Fixture	82.0	18.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.6	2.2
10°-20°	576.3	5.7
20°-30°	804.7	8.0
30°-40°	980.1	9.7
40°-50°	1121.2	11.1
50°-60°	1216.1	12.1
60°-70°	1237.9	12.3
70°-80°	1141.5	11.3
80°-90°	970.8	9.6
90°-100°	755.1	7.5
100°-110°	520.4	5.2
110°-120°	288.7	2.9
120°-130°	128.5	1.3
130°-140°	62.6	0.6
140°-150°	29.5	0.3
150°-160°	17.0	0.2
160°-170°	10.4	0.1
170°-180°	3.5	0.0
0°-90°	8267.3	82.0
0°-180°	10083.0	100.0

**Coefficient of Utilization**

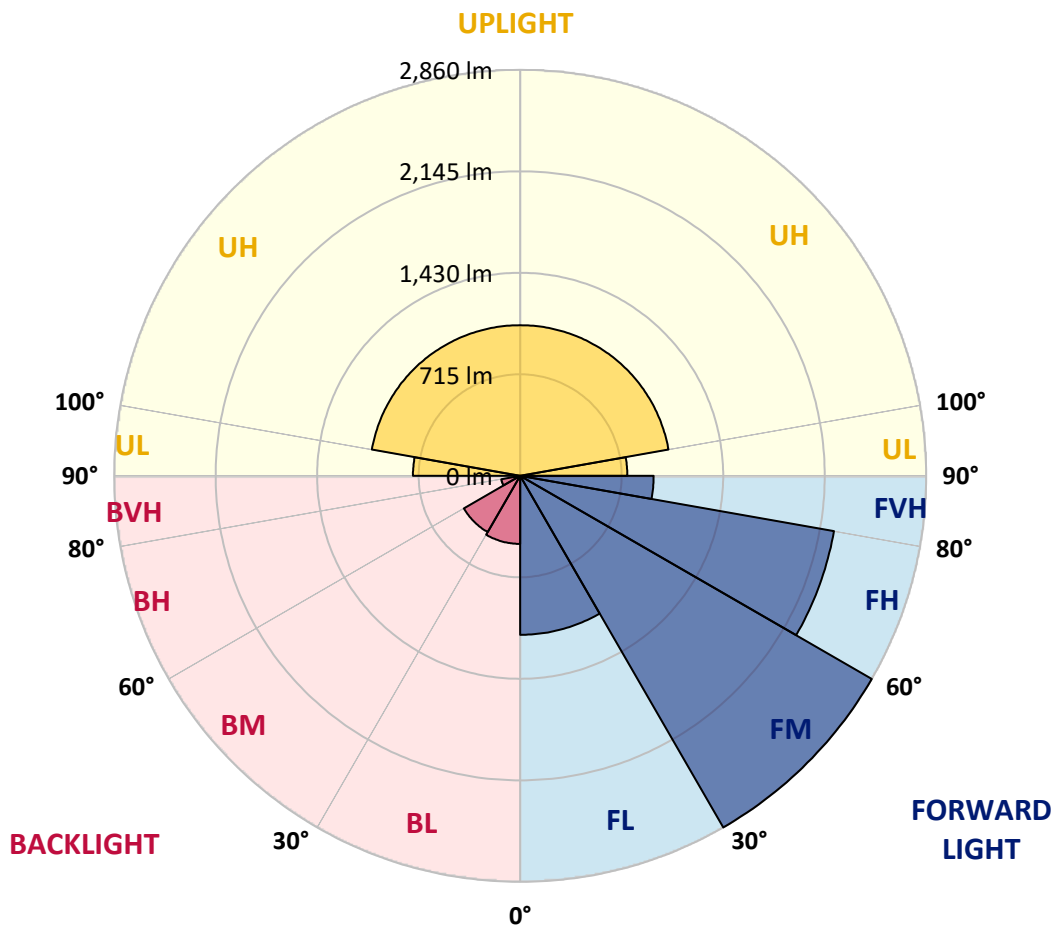


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1120.0	11.1			
FM (30°-60°)	2859.6	28.4			
FH (60°-80°)	2244.4	22.3			G2/5000
FVH (80°-90°)	939.9	9.3			G5
BL (0°-30°)	479.6	4.8	B1/500		
BM (30°-60°)	457.8	4.5	B1/1000		
BH (60°-80°)	135.0	1.3	B1/500		G1/500
BVH (80°-90°)	30.9	0.3			G1/100
UL (90°-100°)	755.1	7.5		U4/1000	
UH (100°-180°)	1060.6	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°	2374.0	2374.0	2374.0	2374.0	2374.0	2374.0	2374.0	2374.0	2374.0	2374.0	2374.0
2.5°	2491.6	2482.2	2472.7	2469.3	2467.9	2460.7	2447.7	2427.0	2383.3	2339.7	2306.6
5°	2623.2	2612.4	2601.6	2590.8	2579.9	2548.4	2496.2	2444.7	2395.7	2346.6	2300.0
7.5°	2744.0	2729.2	2714.4	2676.2	2630.2	2591.2	2559.2	2514.0	2428.6	2343.3	2247.4
10°	2854.3	2839.1	2823.8	2795.1	2761.9	2700.9	2612.1	2518.0	2407.7	2297.4	2174.7
12.5°	2869.7	2841.8	2813.8	2807.0	2807.1	2757.1	2657.0	2550.5	2424.8	2299.2	2125.5
15°	2878.1	2836.8	2795.5	2772.6	2755.9	2714.2	2647.6	2561.1	2414.9	2268.7	2052.0
17.5°	2938.2	2881.9	2825.7	2798.7	2781.4	2738.5	2669.8	2574.4	2399.1	2223.8	1972.3
20°	2958.3	2926.2	2894.1	2845.6	2791.6	2726.9	2651.5	2546.5	2352.9	2159.3	1872.8
22.5°	2984.7	2945.3	2905.8	2847.4	2782.7	2710.6	2631.2	2518.9	2307.7	2096.5	1770.9
25°	3007.4	2976.8	2946.2	2872.0	2783.3	2690.7	2594.1	2468.5	2255.6	2042.6	1678.4
27.5°	3019.6	2987.8	2956.1	2861.4	2745.8	2635.5	2530.4	2397.4	2180.2	1963.1	1571.9
30°	3039.3	2995.6	2952.0	2838.7	2702.2	2580.9	2474.9	2340.8	2122.7	1904.6	1480.8
32.5°	3072.7	3017.3	2962.0	2836.0	2686.5	2545.2	2412.2	2258.3	2042.1	1825.8	1400.1
35°	3091.2	3032.5	2973.9	2840.5	2682.2	2529.2	2381.7	2211.0	1970.7	1730.4	1295.9
37.5°	3173.5	3088.8	3004.1	2839.1	2647.3	2464.5	2290.8	2102.7	1871.1	1639.4	1196.0
40°	3273.9	3171.7	3069.5	2866.2	2629.2	2416.4	2227.7	2026.5	1787.8	1549.2	1100.1
42.5°	3310.0	3219.5	3129.0	2907.4	2642.1	2395.2	2166.5	1936.5	1702.3	1468.2	1020.5
45°	3474.6	3340.0	3205.4	2950.3	2654.9	2385.8	2143.0	1897.7	1644.8	1391.9	943.6
47.5°	3470.9	3350.4	3229.8	2968.5	2660.2	2372.1	2104.3	1835.4	1563.6	1291.7	868.6
50°	3461.2	3353.9	3246.7	2976.5	2651.9	2339.8	2040.1	1747.7	1477.3	1206.9	808.5
52.5°	3519.8	3384.8	3249.9	2969.7	2641.1	2329.1	2033.6	1735.0	1427.0	1119.0	749.8
55°	3537.4	3404.2	3270.9	2971.7	2617.3	2293.0	1999.0	1694.8	1360.6	1026.4	691.1
57.5°	3549.9	3420.9	3291.9	2968.9	2581.3	2246.1	1963.5	1660.9	1297.9	935.0	633.4
60°	3578.7	3445.5	3312.3	2975.4	2570.6	2219.7	1922.9	1604.7	1222.3	839.9	573.5
62.5°	3569.6	3450.1	3330.6	2991.1	2578.3	2212.2	1892.6	1551.1	1143.6	736.2	508.4
65°	3524.8	3416.9	3309.0	2971.7	2557.9	2190.7	1870.2	1518.2	1071.4	624.6	437.9
67.5°	3495.2	3391.0	3286.8	2933.5	2497.1	2122.4	1809.3	1458.0	991.9	525.8	373.7
70°	3461.6	3349.3	3237.0	2879.1	2439.4	2064.0	1752.9	1398.5	914.5	430.4	310.7
72.5°	3387.0	3288.7	3190.4	2827.7	2376.9	1990.6	1668.8	1307.1	825.7	344.3	253.5
75°	3312.9	3208.5	3104.1	2747.4	2306.6	1921.5	1592.1	1225.7	748.3	270.9	205.7
77.5°	3234.4	3128.7	3023.0	2670.6	2235.9	1846.6	1502.6	1129.9	671.1	212.3	166.5
80°	3143.2	3031.7	2920.2	2570.7	2141.8	1752.8	1403.8	1034.1	602.2	170.3	137.1
82.5°	3051.0	2936.6	2822.2	2475.1	2050.5	1659.0	1300.6	932.9	537.1	141.3	116.1
85°	2967.6	2856.4	2745.3	2395.4	1966.0	1566.0	1195.5	828.9	474.1	119.3	100.1
87.5°	2857.4	2739.7	2622.1	2279.1	1861.1	1465.3	1091.8	732.5	415.6	98.6	86.1
90°	2740.8	2622.3	2503.8	2168.1	1759.9	1368.9	995.2	644.6	363.5	82.3	75.1
92.5°	2595.1	2482.0	2368.9	2045.8	1652.6	1267.6	890.8	548.8	311.2	73.6	68.9
95°	2511.4	2379.0	2246.7	1924.4	1538.8	1161.7	793.0	466.7	267.8	68.9	65.1
97.5°	2335.6	2221.1	2106.6	1798.2	1425.1	1060.1	703.4	394.8	230.6	66.4	62.7
100°	2184.9	2064.7	1944.5	1652.1	1302.3	958.6	621.1	334.4	200.2	66.0	61.8
102.5°	2025.3	1912.8	1800.2	1521.9	1188.3	863.2	546.4	281.9	174.1	66.4	61.1
105°	1868.8	1754.6	1640.5	1376.7	1063.0	762.1	474.1	236.8	151.9	66.9	60.7
107.5°	1705.8	1595.5	1485.2	1236.0	940.5	665.1	409.8	201.5	134.2	67.0	59.8
110°	1541.9	1427.4	1312.8	1078.4	804.1	560.3	347.2	173.9	120.2	66.5	58.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1362.3	1247.7	1133.1	918.4	670.3	461.4	291.9	153.6	109.5	65.3	57.3
115°	1168.1	1058.9	949.6	760.0	543.6	370.2	239.8	133.4	98.5	63.7	55.5
117.5°	955.7	863.8	771.9	619.7	447.3	307.4	199.9	112.9	87.3	61.7	53.6
120°	730.1	663.4	596.8	487.5	364.0	257.7	168.5	96.8	77.9	58.9	51.3
122.5°	552.2	512.1	471.9	395.0	305.7	223.0	146.8	85.8	70.6	55.3	48.8
125°	437.5	415.2	392.9	333.4	261.5	193.1	128.2	76.4	64.2	52.1	46.5
127.5°	359.4	345.3	331.3	282.9	223.1	165.7	110.7	67.2	58.1	49.0	44.5
130°	297.1	288.0	278.9	236.8	183.7	135.5	92.0	58.0	52.0	46.1	42.6
132.5°	249.8	243.9	238.0	199.7	150.6	109.3	75.8	49.9	46.7	43.4	40.9
135°	212.9	206.0	199.1	165.4	122.8	88.8	63.5	44.1	42.6	41.1	39.5
137.5°	172.8	165.2	157.5	131.2	98.5	72.8	54.0	39.7	39.4	39.0	38.1
140°	135.0	128.9	122.8	102.8	78.2	59.4	46.3	36.5	36.7	36.9	36.6
142.5°	100.1	97.1	94.0	79.5	61.2	48.3	40.9	35.2	34.9	34.6	35.0
145°	73.3	71.1	69.0	59.9	48.3	41.0	37.8	35.1	33.6	32.2	33.5
147.5°	58.1	56.4	54.8	48.3	40.2	36.0	35.7	35.0	33.1	31.2	33.1
150°	47.9	46.2	44.6	40.0	34.4	32.5	34.3	35.2	33.4	31.5	33.4
152.5°	40.5	39.2	37.9	35.6	33.0	32.2	33.1	33.6	32.8	31.9	33.7
155°	34.7	33.5	32.3	32.0	32.0	32.0	32.2	32.3	32.3	32.3	34.0
157.5°	30.7	30.8	30.9	32.3	34.1	34.4	33.1	32.2	32.5	32.7	34.3
160°	31.7	32.0	32.4	33.5	34.9	34.9	33.5	32.6	32.8	33.1	34.6
162.5°	36.1	35.9	35.7	35.6	35.4	34.8	33.7	32.9	33.2	33.4	34.8
165°	37.2	36.7	36.2	35.2	34.0	33.3	33.2	33.2	33.5	33.8	35.0
167.5°	36.2	35.5	34.8	34.2	33.5	33.3	33.4	33.6	33.8	34.0	35.2
170°	34.1	33.9	33.7	33.7	33.7	33.8	33.9	34.0	34.2	34.3	35.3
172.5°	34.8	34.6	34.4	34.4	34.4	34.4	34.4	34.4	34.5	34.5	35.5
175°	35.5	35.3	35.1	35.1	35.1	35.0	34.9	34.8	34.8	34.8	35.5
177.5°	36.3	36.1	35.9	35.8	35.7	35.6	35.3	35.1	35.0	35.0	35.6
180°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7





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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2374.0	2374.0	2374.0	2374.0	2374.0	2374.0	2374.0	2374.0
2.5°	2273.5	2254.7	2240.6	2225.4	2209.1	2199.3	2209.1	2218.9
5°	2253.4	2194.9	2132.4	2076.2	2026.3	1986.8	1978.9	1971.0
7.5°	2151.5	2054.4	1956.8	1876.6	1813.9	1760.8	1736.3	1711.9
10°	2052.0	1921.6	1788.7	1674.1	1577.9	1497.0	1462.1	1427.2
12.5°	1951.8	1778.6	1605.5	1454.0	1323.9	1218.0	1184.8	1151.6
15°	1835.2	1619.6	1404.4	1226.0	1084.4	968.7	930.6	892.5
17.5°	1720.9	1470.9	1221.5	1019.4	864.5	735.4	683.7	631.9
20°	1586.2	1312.1	1042.2	819.1	643.0	497.9	445.7	393.5
22.5°	1445.4	1148.9	862.0	636.5	472.2	343.1	319.4	295.7
25°	1314.3	996.3	693.6	486.4	374.7	288.2	277.7	267.1
27.5°	1180.8	860.7	564.2	383.5	318.6	268.1	261.3	254.4
30°	1057.0	748.7	478.9	324.6	285.8	255.6	251.0	246.5
32.5°	974.3	681.7	433.4	295.7	268.7	248.1	246.9	245.7
35°	861.3	595.9	386.8	273.4	255.5	241.8	240.8	239.8
37.5°	752.5	515.6	347.6	256.4	242.0	230.4	227.0	223.6
40°	651.1	442.0	312.8	240.8	225.8	213.2	207.9	202.6
42.5°	572.8	385.3	284.5	225.5	208.3	193.8	187.9	182.0
45°	495.2	328.6	255.9	210.4	192.0	176.5	169.6	162.6
47.5°	445.5	294.4	233.9	194.2	175.2	159.3	152.9	146.5
50°	410.1	269.4	214.5	177.6	158.5	143.8	142.0	140.2
52.5°	380.7	249.0	196.6	161.2	142.9	129.9	133.0	136.1
55°	355.9	232.4	179.6	144.8	128.1	116.6	121.1	125.5
57.5°	331.8	216.5	163.4	129.4	114.6	103.9	105.8	107.6
60°	307.1	200.8	148.0	114.8	101.5	91.1	89.7	88.3
62.5°	280.5	184.7	132.9	100.6	87.9	77.5	74.1	70.7
65°	251.2	167.2	117.5	85.6	71.3	59.7	56.4	53.0
67.5°	221.6	148.7	102.1	69.4	50.6	35.4	31.2	27.1
70°	191.1	129.3	86.8	57.1	40.1	27.3	27.6	27.8
72.5°	162.7	111.2	72.7	47.9	36.5	28.1	28.4	28.7
75°	140.4	98.9	65.3	44.1	35.4	29.0	29.3	29.7
77.5°	120.7	87.9	59.4	41.8	34.9	29.8	30.2	30.6
80°	103.8	77.5	53.5	39.0	34.2	30.7	31.1	31.6
82.5°	91.0	69.5	49.1	37.2	33.9	31.5	32.0	32.5
85°	80.9	63.2	46.1	36.4	34.0	32.4	33.0	33.5
87.5°	73.6	59.2	44.2	35.9	34.3	33.3	33.9	34.5
90°	67.8	56.1	42.8	35.7	34.7	34.2	34.8	35.4
92.5°	64.1	54.0	42.0	35.7	35.2	35.0	35.7	36.4
95°	61.3	52.2	41.3	35.8	35.7	35.8	36.5	37.2
97.5°	59.1	50.7	40.8	36.0	36.2	36.6	37.3	38.0
100°	57.5	49.6	40.4	36.1	36.7	37.3	38.1	38.8
102.5°	55.9	48.3	40.0	36.3	37.2	38.0	38.8	39.6
105°	54.4	47.3	39.8	36.6	37.7	38.7	39.5	40.3
107.5°	52.7	46.1	39.6	37.0	38.3	39.4	40.2	41.0
110°	51.0	44.9	39.4	37.4	38.8	40.1	40.9	41.7



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CATALOG NUMBER: WPMLD25S-70W\_SWITCH-5000K

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	49.3	43.9	39.3	37.8	39.4	40.8	41.6	42.4
115°	47.4	42.7	39.1	38.2	39.9	41.4	42.2	43.0
117.5°	45.5	41.5	39.0	38.6	40.5	42.0	42.8	43.6
120°	43.8	40.6	38.9	39.0	41.0	42.6	43.4	44.2
122.5°	42.2	39.9	38.9	39.4	41.5	43.2	43.9	44.7
125°	40.9	39.3	38.9	39.8	41.9	43.7	44.4	45.1
127.5°	39.9	38.9	39.0	40.2	42.3	44.1	44.8	45.5
130°	39.1	38.6	39.1	40.5	42.7	44.5	45.2	45.8
132.5°	38.4	38.5	39.3	40.9	43.0	44.8	45.5	46.1
135°	37.9	38.4	39.5	41.2	43.3	45.1	45.7	46.3
137.5°	37.2	38.1	39.7	41.4	43.5	45.2	45.8	46.5
140°	36.3	37.7	39.7	41.6	43.6	45.3	45.9	46.5
142.5°	35.3	37.2	39.6	41.8	43.7	45.3	45.9	46.5
145°	34.9	37.1	39.6	41.8	43.6	45.1	45.7	46.3
147.5°	35.0	37.3	39.7	41.8	43.5	44.9	45.4	46.0
150°	35.3	37.5	39.8	41.7	43.3	44.6	45.2	45.7
152.5°	35.5	37.6	39.7	41.6	43.0	44.2	44.7	45.2
155°	35.7	37.7	39.7	41.3	42.7	43.8	44.2	44.6
157.5°	35.9	37.7	39.5	41.1	42.3	43.3	43.6	44.0
160°	36.1	37.7	39.4	40.8	41.9	42.8	43.1	43.4
162.5°	36.2	37.7	39.2	40.5	41.4	42.2	42.5	42.7
165°	36.3	37.6	39.0	40.1	40.9	41.6	41.8	42.0
167.5°	36.4	37.5	38.7	39.7	40.4	41.0	41.1	41.3
170°	36.4	37.4	38.5	39.3	39.8	40.3	40.4	40.5
172.5°	36.4	37.3	38.2	38.8	39.3	39.6	39.6	39.6
175°	36.3	37.1	37.8	38.4	38.7	39.0	38.9	38.9
177.5°	36.3	36.9	37.5	37.9	38.2	38.3	38.2	38.0
180°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7

(END OF REPORT)