

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: P511377

Luminaire Tested: **WPMLED25S-80W_SWITCH-3000K**

Issue Date: 4/9/2021

Test Information

Test Method: LM-79-08
Report Number: P511377
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-80W_SWITCH-3000K
Description: WALLPACK SELECTABLE CCT
Light Source: (240) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10887 lumens
Efficiency: N/A
Efficacy: 133.7 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: B2 - U5 - G5

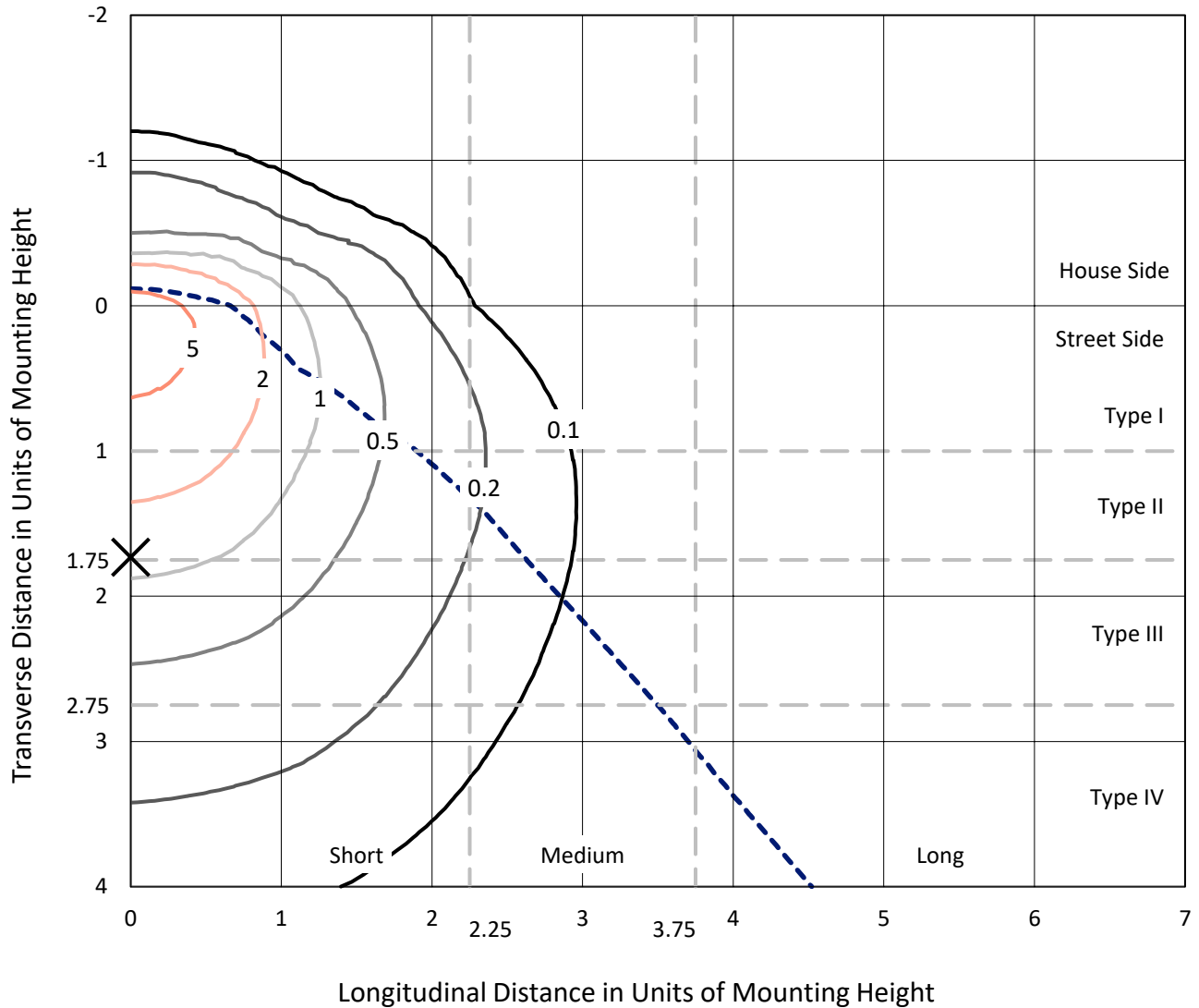
Input Watts (W): 81.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

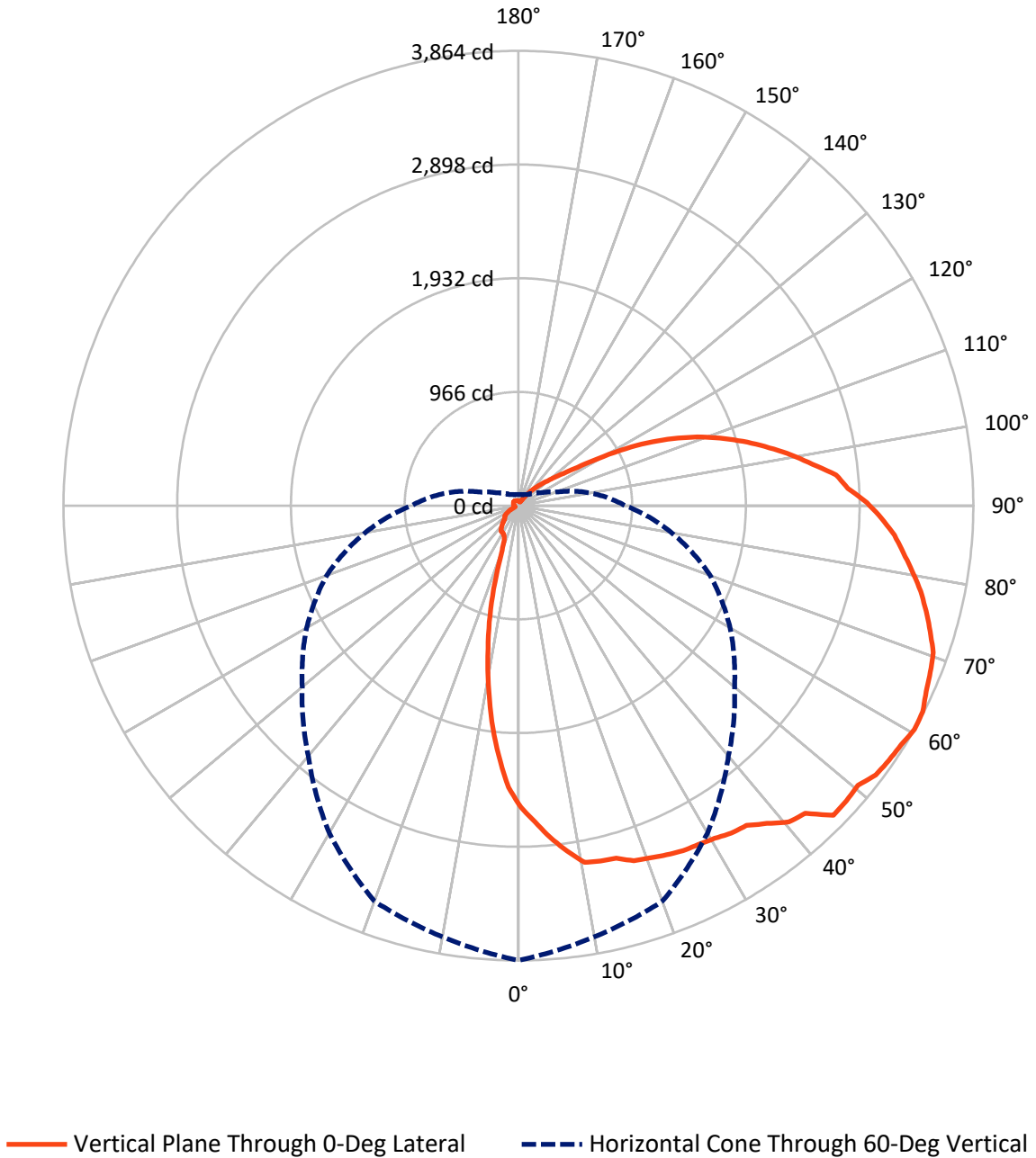
✕ Max cd
 - - - 1/2 Max cd



Based on 20 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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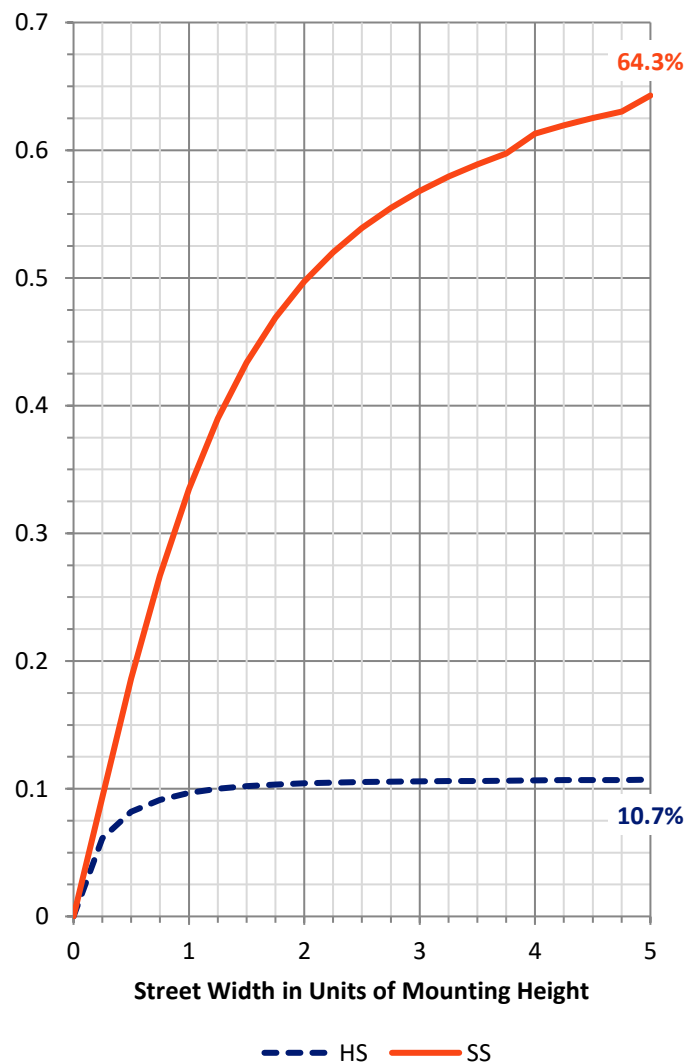
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1191.3	146.7	1338.0
	% Fixture	10.9	1.3	12.3
Street Side	Lumens	7735.2	1813.8	9549.0
	% Fixture	71.1	16.7	87.7
Total	Lumens	8926.5	1960.5	10887.0
	% Fixture	82.0	18.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.0	2.2
10°-20°	622.2	5.7
20°-30°	868.9	8.0
30°-40°	1058.2	9.7
40°-50°	1210.6	11.1
50°-60°	1313.1	12.1
60°-70°	1336.6	12.3
70°-80°	1232.5	11.3
80°-90°	1048.3	9.6
90°-100°	815.3	7.5
100°-110°	561.9	5.2
110°-120°	311.8	2.9
120°-130°	138.7	1.3
130°-140°	67.6	0.6
140°-150°	31.9	0.3
150°-160°	18.4	0.2
160°-170°	11.2	0.1
170°-180°	3.7	0.0
0°-90°	8926.5	82.0
0°-180°	10887.0	100.0



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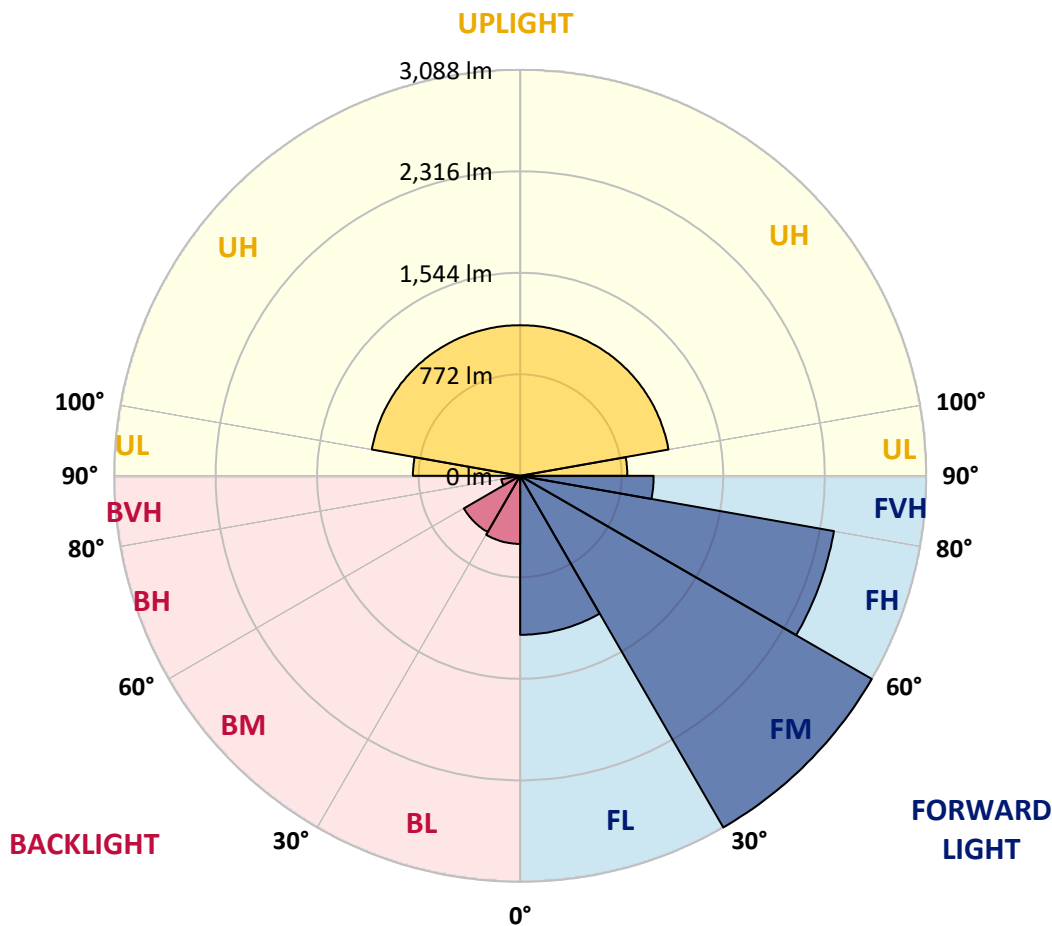
CATALOG NUMBER: WPMLD25S-80W_SWITCH-3000K

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1209.4	11.1			
FM (30°-60°)	3087.7	28.4			
FH (60°-80°)	2423.3	22.3			G2/5000
FVH (80°-90°)	1014.9	9.3			G5
BL (0°-30°)	517.8	4.8	B2/1000		
BM (30°-60°)	494.3	4.5	B1/1000		
BH (60°-80°)	145.8	1.3	B1/500		G1/500
BVH (80°-90°)	33.4	0.3			G1/100
UL (90°-100°)	815.3	7.5		U4/1000	
UH (100°-180°)	1145.2	10.5		U5	

BUG Rating: B2-U5-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3
2.5°	2690.3	2680.1	2669.8	2666.2	2664.7	2656.9	2642.9	2620.5	2573.4	2526.2	2490.5
5°	2832.4	2820.7	2809.1	2797.4	2785.6	2751.6	2695.2	2639.7	2586.7	2533.7	2483.4
7.5°	2962.8	2946.8	2930.9	2889.6	2839.9	2797.8	2763.3	2714.4	2622.3	2530.1	2426.6
10°	3081.9	3065.5	3049.0	3018.0	2982.1	2916.2	2820.4	2718.8	2599.7	2480.6	2348.1
12.5°	3098.5	3068.4	3038.2	3030.8	3031.0	2977.0	2868.9	2753.9	2618.2	2482.5	2295.0
15°	3107.6	3063.0	3018.4	2993.7	2975.6	2930.6	2858.7	2765.3	2607.5	2449.6	2215.6
17.5°	3172.5	3111.8	3051.0	3021.9	3003.2	2956.8	2882.7	2779.7	2590.4	2401.1	2129.6
20°	3194.2	3159.6	3124.9	3072.5	3014.2	2944.4	2862.9	2749.5	2540.5	2331.5	2022.1
22.5°	3222.7	3180.1	3137.5	3074.4	3004.6	2926.8	2841.0	2719.7	2491.7	2263.7	1912.1
25°	3247.2	3214.2	3181.2	3101.1	3005.2	2905.2	2801.0	2665.4	2435.4	2205.5	1812.3
27.5°	3260.4	3226.1	3191.8	3089.6	2964.7	2845.6	2732.2	2588.5	2354.1	2119.6	1697.3
30°	3281.6	3234.5	3187.4	3065.1	2917.7	2786.7	2672.2	2527.4	2292.0	2056.5	1598.9
32.5°	3317.7	3257.9	3198.2	3062.1	2900.7	2748.2	2604.5	2438.4	2204.9	1971.4	1511.7
35°	3337.7	3274.4	3211.0	3067.0	2896.0	2730.9	2571.6	2387.3	2127.9	1868.4	1399.2
37.5°	3426.6	3335.1	3243.7	3065.5	2858.4	2661.0	2473.5	2270.3	2020.2	1770.2	1291.3
40°	3535.0	3424.6	3314.2	3094.7	2838.8	2609.0	2405.3	2188.1	1930.4	1672.7	1187.9
42.5°	3573.9	3476.2	3378.5	3139.2	2852.8	2586.1	2339.3	2090.9	1838.1	1585.3	1101.9
45°	3751.7	3606.4	3461.0	3185.5	2866.6	2576.1	2313.9	2049.0	1776.0	1502.9	1018.8
47.5°	3747.7	3617.5	3487.4	3205.2	2872.3	2561.3	2272.1	1981.8	1688.3	1394.7	937.9
50°	3737.2	3621.4	3505.6	3213.8	2863.4	2526.4	2202.7	1887.1	1595.1	1303.1	873.0
52.5°	3800.4	3654.7	3509.0	3206.5	2851.7	2514.8	2195.7	1873.3	1540.8	1208.2	809.6
55°	3819.5	3675.6	3531.7	3208.7	2826.0	2475.9	2158.4	1830.0	1469.1	1108.2	746.2
57.5°	3833.0	3693.7	3554.4	3205.7	2787.1	2425.2	2120.1	1793.3	1401.4	1009.6	683.9
60°	3864.1	3720.2	3576.4	3212.6	2775.5	2396.7	2076.2	1732.6	1319.7	906.8	619.2
62.5°	3854.3	3725.2	3596.1	3229.6	2783.9	2388.6	2043.5	1674.8	1234.8	794.9	548.9
65°	3805.8	3689.4	3572.9	3208.7	2761.8	2365.4	2019.3	1639.2	1156.8	674.5	472.8
67.5°	3773.9	3661.4	3548.9	3167.4	2696.2	2291.6	1953.6	1574.3	1071.0	567.7	403.5
70°	3737.7	3616.4	3495.1	3108.7	2633.9	2228.5	1892.6	1510.0	987.4	464.7	335.5
72.5°	3657.1	3550.9	3444.8	3053.2	2566.5	2149.4	1801.9	1411.3	891.5	371.7	273.7
75°	3577.1	3464.4	3351.7	2966.5	2490.5	2074.7	1719.1	1323.5	808.0	292.5	222.1
77.5°	3492.3	3378.2	3264.1	2883.6	2414.2	1993.8	1622.4	1220.0	724.6	229.2	179.7
80°	3393.8	3273.4	3153.1	2775.6	2312.5	1892.6	1515.7	1116.5	650.2	183.9	148.0
82.5°	3294.3	3170.8	3047.2	2672.5	2214.0	1791.3	1404.3	1007.3	579.9	152.5	125.4
85°	3204.3	3084.2	2964.2	2586.4	2122.8	1690.9	1290.8	895.0	511.9	128.8	108.1
87.5°	3085.3	2958.2	2831.1	2460.8	2009.4	1582.1	1178.9	790.9	448.7	106.5	93.0
90°	2959.3	2831.4	2703.5	2340.9	1900.2	1478.1	1074.6	696.0	392.5	88.9	81.1
92.5°	2802.0	2679.9	2557.8	2208.9	1784.4	1368.7	961.8	592.6	336.0	79.5	74.4
95°	2711.6	2568.7	2425.9	2077.9	1661.5	1254.3	856.2	503.9	289.2	74.4	70.3
97.5°	2521.9	2398.2	2274.6	1941.5	1538.7	1144.7	759.5	426.2	249.0	71.7	67.8
100°	2359.1	2229.3	2099.6	1783.8	1406.1	1035.0	670.6	361.0	216.2	71.3	66.7
102.5°	2186.8	2065.3	1943.8	1643.3	1283.1	932.0	590.0	304.4	188.0	71.7	66.0
105°	2017.8	1894.5	1771.3	1486.5	1147.8	822.9	511.9	255.7	164.0	72.2	65.5
107.5°	1841.8	1722.7	1603.6	1334.5	1015.5	718.1	442.4	217.5	144.9	72.3	64.6
110°	1664.9	1541.2	1417.5	1164.4	868.2	605.0	374.9	187.8	129.8	71.8	63.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1470.9	1347.2	1223.5	991.6	723.7	498.2	315.1	165.9	118.2	70.5	61.9
115°	1261.3	1143.3	1025.4	820.6	586.9	399.7	259.0	144.0	106.4	68.7	60.0
117.5°	1031.9	932.7	833.5	669.1	483.0	331.9	215.8	121.8	94.2	66.6	57.9
120°	788.3	716.3	644.3	526.4	393.0	278.2	181.9	104.5	84.1	63.6	55.4
122.5°	596.2	552.9	509.5	426.4	330.1	240.8	158.5	92.6	76.2	59.7	52.7
125°	472.3	448.3	424.2	360.0	282.3	208.5	138.4	82.5	69.4	56.2	50.2
127.5°	388.0	372.9	357.7	305.5	240.9	178.9	119.6	72.6	62.7	52.9	48.0
130°	320.8	310.9	301.1	255.7	198.4	146.3	99.4	62.6	56.2	49.8	46.0
132.5°	269.8	263.4	257.0	215.6	162.6	118.0	81.9	53.9	50.4	46.9	44.2
135°	229.9	222.4	215.0	178.6	132.6	95.9	68.6	47.6	46.0	44.4	42.7
137.5°	186.6	178.3	170.1	141.6	106.4	78.6	58.3	42.9	42.5	42.1	41.2
140°	145.8	139.2	132.6	111.0	84.5	64.1	50.0	39.4	39.6	39.8	39.5
142.5°	108.1	104.8	101.5	85.9	66.1	52.2	44.2	38.1	37.7	37.4	37.7
145°	79.1	76.8	74.5	64.6	52.2	44.3	40.8	37.9	36.3	34.8	36.2
147.5°	62.8	61.0	59.1	52.1	43.4	38.8	38.5	37.8	35.7	33.6	35.7
150°	51.7	49.9	48.1	43.2	37.2	35.1	37.1	38.0	36.0	34.0	36.0
152.5°	43.7	42.3	40.9	38.5	35.6	34.7	35.8	36.3	35.4	34.5	36.4
155°	37.5	36.2	34.8	34.5	34.5	34.6	34.7	34.9	34.9	34.9	36.7
157.5°	33.1	33.2	33.4	34.9	36.8	37.1	35.8	34.8	35.1	35.3	37.0
160°	34.2	34.6	35.0	36.2	37.7	37.7	36.2	35.2	35.4	35.7	37.3
162.5°	39.0	38.8	38.6	38.4	38.2	37.6	36.4	35.5	35.8	36.1	37.6
165°	40.2	39.6	39.1	38.0	36.7	36.0	35.9	35.9	36.2	36.5	37.8
167.5°	39.1	38.4	37.6	36.9	36.2	35.9	36.1	36.2	36.5	36.7	38.0
170°	36.8	36.6	36.4	36.4	36.4	36.5	36.6	36.7	36.9	37.0	38.2
172.5°	37.6	37.3	37.1	37.1	37.1	37.1	37.1	37.2	37.2	37.3	38.3
175°	38.4	38.1	37.9	37.9	37.9	37.8	37.7	37.6	37.5	37.5	38.4
177.5°	39.2	39.0	38.8	38.7	38.6	38.4	38.1	37.9	37.8	37.7	38.4
180°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3	2563.3
2.5°	2454.8	2434.4	2419.3	2402.9	2385.3	2374.7	2385.3	2395.8
5°	2433.1	2369.9	2302.4	2241.8	2187.8	2145.3	2136.7	2128.1
7.5°	2323.1	2218.2	2112.8	2026.3	1958.6	1901.2	1874.8	1848.4
10°	2215.6	2074.8	1931.3	1807.6	1703.7	1616.4	1578.7	1541.0
12.5°	2107.4	1920.4	1733.6	1569.9	1429.5	1315.2	1279.3	1243.4
15°	1981.6	1748.8	1516.4	1323.8	1170.9	1046.0	1004.8	963.7
17.5°	1858.1	1588.2	1318.9	1100.6	933.4	794.1	738.2	682.3
20°	1712.7	1416.8	1125.3	884.5	694.3	537.6	481.3	424.9
22.5°	1560.6	1240.5	930.8	687.2	509.8	370.4	344.8	319.3
25°	1419.1	1075.7	748.9	525.2	404.5	311.2	299.8	288.4
27.5°	1274.9	929.3	609.2	414.1	344.0	289.5	282.1	274.7
30°	1141.2	808.4	517.1	350.5	308.6	275.9	271.0	266.1
32.5°	1052.0	736.0	468.0	319.3	290.1	267.9	266.6	265.3
35°	930.0	643.4	417.7	295.2	275.9	261.1	260.0	258.9
37.5°	812.5	556.7	375.3	276.8	261.4	248.8	245.1	241.4
40°	703.0	477.2	337.8	260.0	243.8	230.2	224.5	218.8
42.5°	618.5	416.0	307.2	243.5	224.9	209.3	202.9	196.5
45°	534.7	354.8	276.3	227.2	207.4	190.6	183.1	175.6
47.5°	481.0	317.8	252.6	209.7	189.2	172.0	165.1	158.1
50°	442.8	290.9	231.6	191.7	171.1	155.2	153.3	151.3
52.5°	411.1	268.9	212.2	174.0	154.3	140.3	143.6	147.0
55°	384.2	251.0	193.9	156.4	138.3	125.9	130.7	135.5
57.5°	358.2	233.8	176.4	139.7	123.7	112.2	114.2	116.2
60°	331.6	216.8	159.8	124.0	109.6	98.4	96.8	95.3
62.5°	302.9	199.5	143.5	108.7	94.9	83.7	80.0	76.4
65°	271.2	180.6	126.9	92.4	77.0	64.5	60.9	57.3
67.5°	239.3	160.5	110.3	75.0	54.6	38.3	33.7	29.2
70°	206.3	139.6	93.7	61.6	43.3	29.5	29.8	30.1
72.5°	175.7	120.0	78.5	51.7	39.4	30.4	30.7	31.0
75°	151.6	106.8	70.5	47.7	38.2	31.3	31.7	32.0
77.5°	130.3	94.9	64.2	45.1	37.7	32.2	32.6	33.1
80°	112.1	83.7	57.7	42.1	36.9	33.1	33.6	34.1
82.5°	98.3	75.0	53.0	40.2	36.6	34.0	34.6	35.1
85°	87.3	68.3	49.8	39.3	36.8	35.0	35.6	36.2
87.5°	79.5	63.9	47.7	38.8	37.1	35.9	36.6	37.3
90°	73.2	60.5	46.2	38.5	37.5	36.9	37.6	38.3
92.5°	69.3	58.3	45.3	38.6	38.0	37.8	38.5	39.3
95°	66.2	56.4	44.6	38.7	38.6	38.7	39.4	40.2
97.5°	63.8	54.8	44.1	38.8	39.1	39.5	40.3	41.1
100°	62.1	53.5	43.6	39.0	39.6	40.3	41.1	41.9
102.5°	60.3	52.2	43.2	39.2	40.2	41.1	41.9	42.7
105°	58.8	51.0	42.9	39.5	40.7	41.8	42.7	43.5
107.5°	56.9	49.7	42.8	39.9	41.3	42.6	43.4	44.3
110°	55.1	48.5	42.6	40.4	41.9	43.3	44.2	45.0



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 CATALOG NUMBER: WPMLD25S-80W_SWITCH-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	53.3	47.4	42.4	40.8	42.5	44.0	44.9	45.8
115°	51.2	46.1	42.2	41.2	43.1	44.7	45.6	46.4
117.5°	49.1	44.9	42.1	41.7	43.7	45.4	46.2	47.1
120°	47.3	43.8	42.0	42.1	44.2	46.0	46.9	47.7
122.5°	45.6	43.0	42.0	42.5	44.8	46.7	47.4	48.2
125°	44.2	42.4	42.0	43.0	45.3	47.2	48.0	48.7
127.5°	43.1	42.0	42.1	43.4	45.7	47.6	48.4	49.1
130°	42.2	41.7	42.2	43.7	46.1	48.1	48.8	49.5
132.5°	41.5	41.5	42.5	44.1	46.5	48.4	49.1	49.8
135°	40.9	41.4	42.7	44.5	46.8	48.7	49.4	50.0
137.5°	40.2	41.2	42.8	44.7	47.0	48.8	49.5	50.2
140°	39.2	40.7	42.8	45.0	47.1	48.9	49.6	50.2
142.5°	38.1	40.2	42.8	45.1	47.2	48.9	49.5	50.2
145°	37.6	40.1	42.8	45.1	47.1	48.7	49.4	50.0
147.5°	37.8	40.3	42.9	45.1	47.0	48.5	49.1	49.7
150°	38.1	40.4	42.9	45.0	46.8	48.2	48.8	49.3
152.5°	38.3	40.6	42.9	44.9	46.4	47.8	48.3	48.8
155°	38.6	40.7	42.8	44.6	46.1	47.3	47.7	48.2
157.5°	38.8	40.7	42.7	44.3	45.6	46.7	47.1	47.5
160°	38.9	40.7	42.6	44.1	45.2	46.2	46.5	46.9
162.5°	39.1	40.7	42.4	43.7	44.7	45.6	45.9	46.1
165°	39.2	40.6	42.1	43.3	44.2	44.9	45.2	45.4
167.5°	39.2	40.5	41.8	42.9	43.6	44.2	44.4	44.6
170°	39.3	40.4	41.5	42.4	43.0	43.5	43.6	43.7
172.5°	39.3	40.2	41.2	41.9	42.4	42.8	42.8	42.8
175°	39.2	40.0	40.8	41.4	41.8	42.1	42.0	42.0
177.5°	39.1	39.8	40.4	40.9	41.2	41.4	41.2	41.1
180°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5

(END OF REPORT)