

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: P511371

Luminaire Tested: **WPMLED25S-100W_SWITCH-3000K**

Issue Date: 4/9/2021

Test Information

Test Method: LM-79-08
Report Number: P511371
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-100W_SWITCH-3000K
Description: WALLPACK SELECTABLE CCT
Light Source: (240) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12597 lumens
Efficiency: N/A
Efficacy: 125.0 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

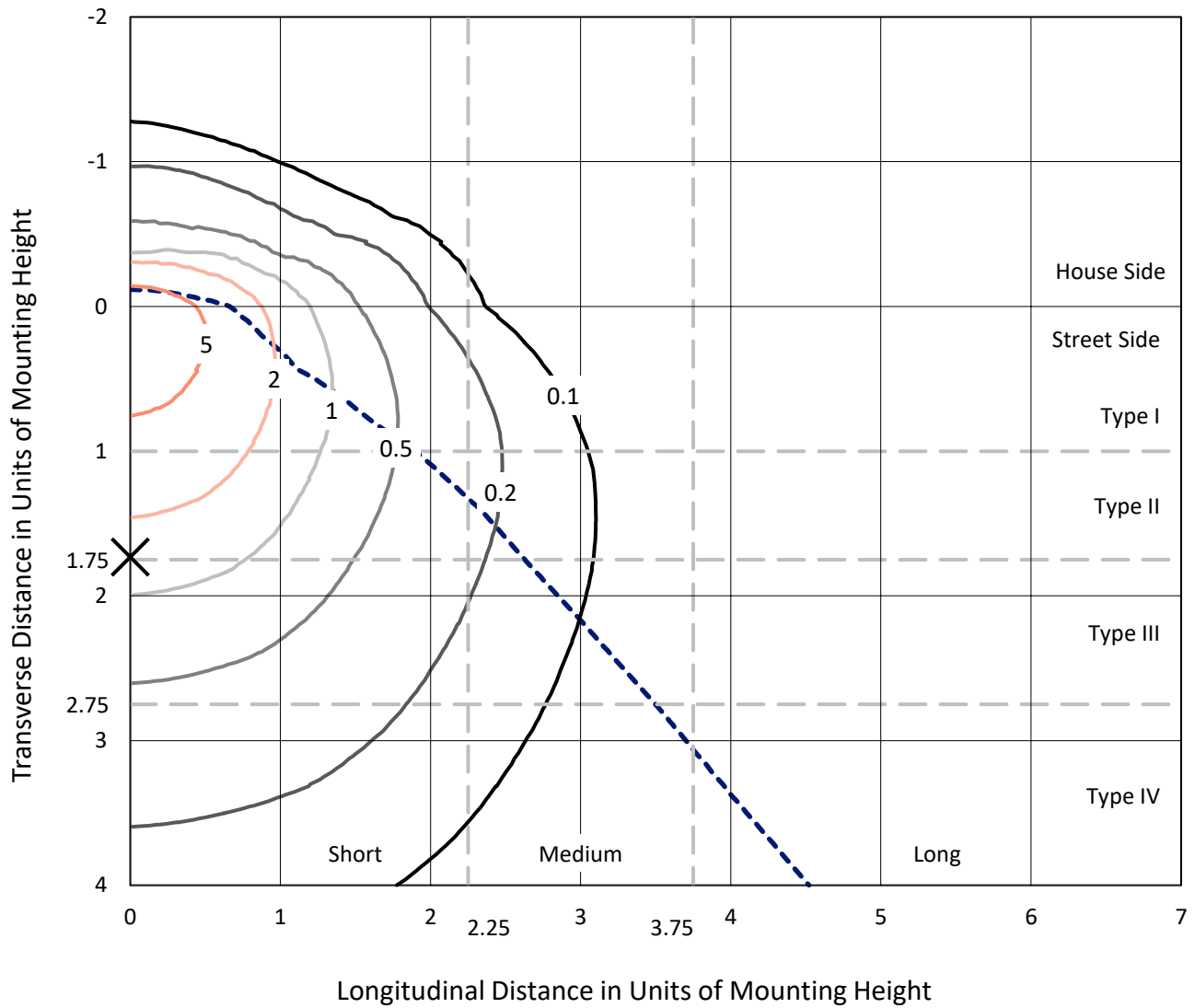
Input Watts (W): 100.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

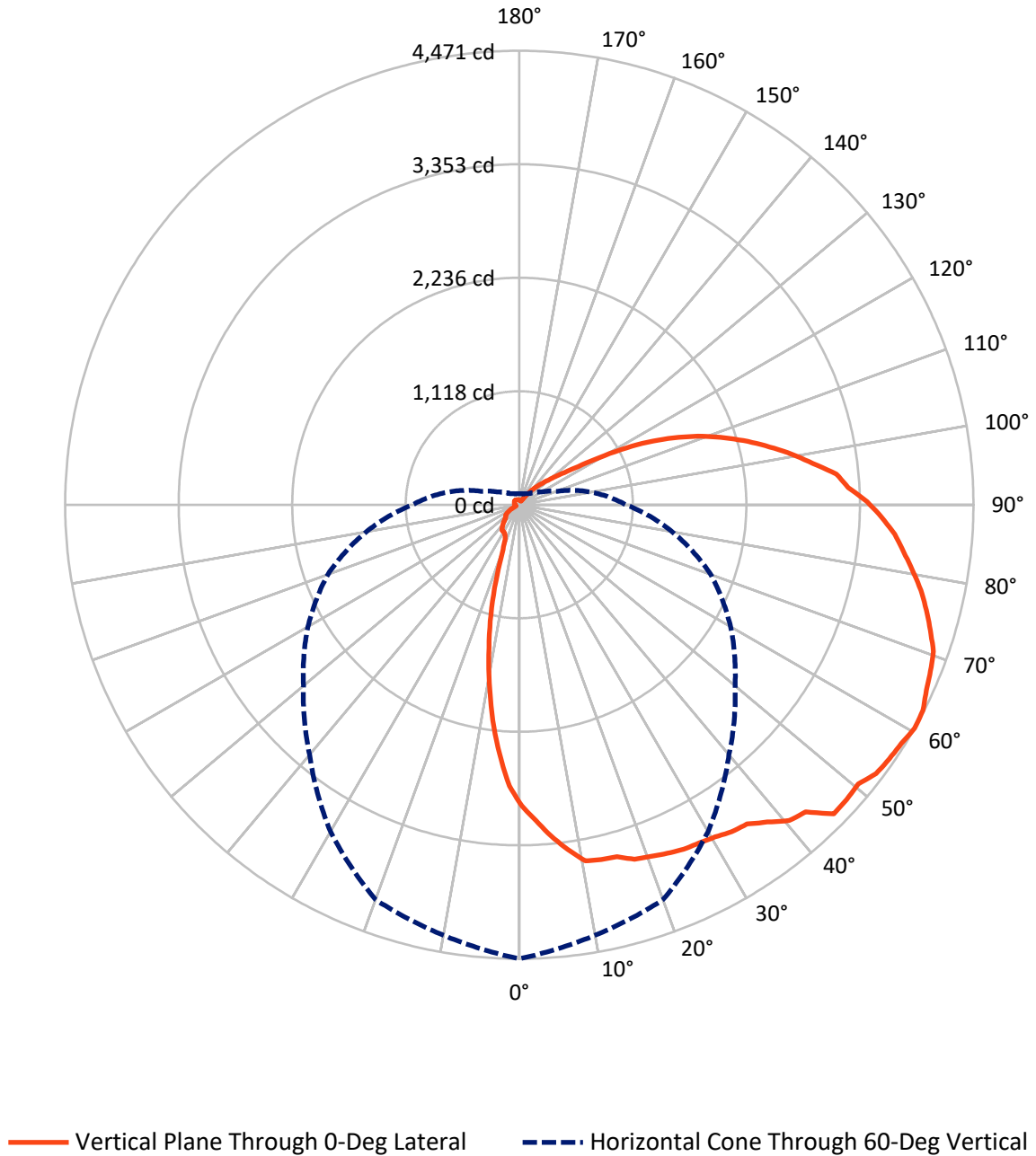
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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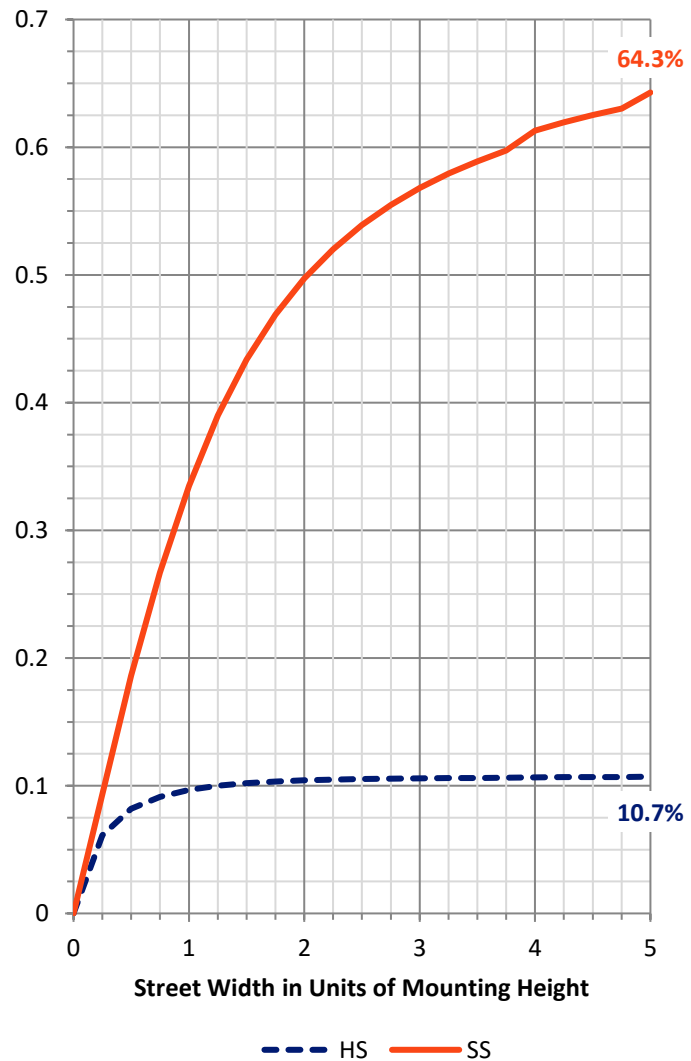
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1378.4	169.7	1548.1
	% Fixture	10.9	1.3	12.3
Street Side	Lumens	8950.2	2098.7	11048.9
	% Fixture	71.1	16.7	87.7
Total	Lumens	10328.6	2268.4	12597.0
	% Fixture	82.0	18.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.1	2.2
10°-20°	720.0	5.7
20°-30°	1005.4	8.0
30°-40°	1224.4	9.7
40°-50°	1400.8	11.1
50°-60°	1519.4	12.1
60°-70°	1546.5	12.3
70°-80°	1426.1	11.3
80°-90°	1212.9	9.6
90°-100°	943.3	7.5
100°-110°	650.1	5.2
110°-120°	360.7	2.9
120°-130°	160.5	1.3
130°-140°	78.2	0.6
140°-150°	36.9	0.3
150°-160°	21.3	0.2
160°-170°	13.0	0.1
170°-180°	4.3	0.0
0°-90°	10328.6	82.0
0°-180°	12597.0	100.0



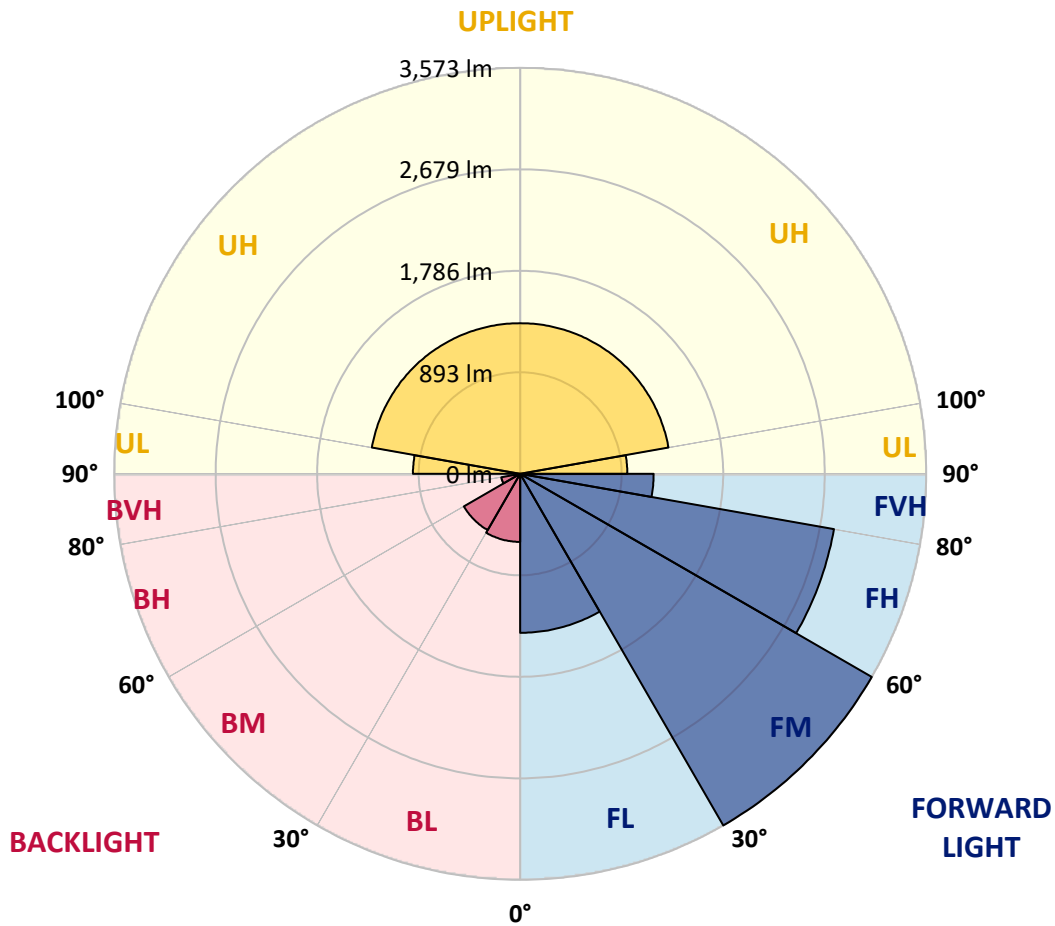
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1399.3	11.1			
FM (30°-60°)	3572.6	28.4			
FH (60°-80°)	2804.0	22.3			G2/5000
FVH (80°-90°)	1174.3	9.3			G5
BL (0°-30°)	599.1	4.8	B2/1000		
BM (30°-60°)	571.9	4.5	B1/1000		
BH (60°-80°)	168.7	1.3	B1/500		G1/500
BVH (80°-90°)	38.6	0.3			G1/100
UL (90°-100°)	943.3	7.5		U4/1000	
UH (100°-180°)	1325.1	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°	2966.0	2966.0	2966.0	2966.0	2966.0	2966.0	2966.0	2966.0	2966.0	2966.0	2966.0
2.5°	3112.9	3101.0	3089.2	3085.0	3083.2	3074.2	3058.0	3032.1	2977.6	2923.0	2881.7
5°	3277.3	3263.8	3250.3	3236.7	3223.1	3183.7	3118.5	3054.3	2993.0	2931.7	2873.4
7.5°	3428.2	3409.7	3391.2	3343.5	3285.9	3237.2	3197.3	3140.8	3034.2	2927.5	2807.7
10°	3566.0	3546.9	3527.9	3492.0	3450.5	3374.3	3263.4	3145.8	3008.0	2870.2	2716.9
12.5°	3585.2	3550.3	3515.4	3506.8	3507.0	3444.6	3319.5	3186.4	3029.4	2872.5	2655.4
15°	3595.8	3544.1	3492.5	3463.9	3443.0	3391.0	3307.7	3199.7	3017.0	2834.4	2563.6
17.5°	3670.8	3600.5	3530.2	3496.5	3474.9	3421.3	3335.5	3216.3	2997.3	2778.3	2464.1
20°	3695.9	3655.8	3615.7	3555.1	3487.7	3406.8	3312.6	3181.4	2939.5	2697.7	2339.7
22.5°	3728.9	3679.6	3630.3	3557.3	3476.5	3386.5	3287.3	3146.9	2883.1	2619.2	2212.5
25°	3757.2	3719.0	3680.8	3588.1	3477.3	3361.5	3240.9	3084.0	2817.9	2551.9	2096.9
27.5°	3772.5	3732.8	3693.1	3574.8	3430.4	3292.6	3161.4	2995.1	2723.8	2452.5	1963.9
30°	3797.0	3742.6	3688.1	3546.5	3376.0	3224.4	3091.9	2924.4	2652.0	2379.5	1850.0
32.5°	3838.8	3769.7	3700.5	3543.1	3356.3	3179.8	3013.6	2821.4	2551.2	2281.0	1749.1
35°	3862.0	3788.7	3715.3	3548.7	3350.9	3159.9	2975.5	2762.3	2462.1	2161.9	1619.0
37.5°	3964.8	3859.0	3753.1	3547.0	3307.3	3079.0	2862.0	2626.9	2337.6	2048.2	1494.2
40°	4090.2	3962.5	3834.8	3580.8	3284.7	3018.8	2783.1	2531.8	2233.6	1935.4	1374.4
42.5°	4135.2	4022.2	3909.1	3632.3	3300.9	2992.3	2706.7	2419.3	2126.8	1834.3	1274.9
45°	4341.0	4172.8	4004.6	3685.9	3316.9	2980.7	2677.4	2370.9	2054.9	1739.0	1178.8
47.5°	4336.3	4185.7	4035.1	3708.6	3323.5	2963.6	2628.9	2293.1	1953.4	1613.8	1085.2
50°	4324.2	4190.2	4056.2	3718.6	3313.1	2923.2	2548.7	2183.5	1845.6	1507.8	1010.1
52.5°	4397.4	4228.8	4060.1	3710.1	3299.6	2909.8	2540.6	2167.5	1782.8	1398.0	936.8
55°	4419.4	4252.9	4086.4	3712.7	3269.9	2864.8	2497.4	2117.4	1699.8	1282.3	863.4
57.5°	4435.0	4273.9	4112.7	3709.2	3224.9	2806.2	2453.1	2075.0	1621.5	1168.1	791.3
60°	4471.0	4304.6	4138.1	3717.2	3211.5	2773.2	2402.3	2004.8	1527.0	1049.3	716.5
62.5°	4459.7	4310.3	4161.0	3736.9	3221.2	2763.7	2364.5	1937.8	1428.8	919.7	635.1
65°	4403.6	4268.8	4134.1	3712.6	3195.6	2736.9	2336.5	1896.7	1338.5	780.4	547.1
67.5°	4366.6	4236.4	4106.3	3664.9	3119.7	2651.5	2260.5	1821.6	1239.2	656.9	466.9
70°	4324.7	4184.4	4044.1	3597.0	3047.6	2578.6	2189.9	1747.2	1142.5	537.7	388.2
72.5°	4231.5	4108.7	3985.9	3532.8	2969.6	2487.0	2084.9	1633.0	1031.6	430.1	316.7
75°	4139.0	4008.5	3878.1	3432.4	2881.7	2400.6	1989.1	1531.4	934.9	338.5	256.9
77.5°	4040.8	3908.8	3776.8	3336.5	2793.4	2307.0	1877.3	1411.6	838.4	265.2	208.0
80°	3926.9	3787.6	3648.3	3211.6	2675.8	2189.8	1753.8	1291.9	752.3	212.8	171.2
82.5°	3811.7	3668.8	3525.9	3092.2	2561.7	2072.6	1624.9	1165.5	671.0	176.5	145.1
85°	3707.5	3568.6	3429.7	2992.7	2456.2	1956.5	1493.6	1035.5	592.3	149.0	125.0
87.5°	3569.9	3422.9	3275.8	2847.3	2325.1	1830.6	1364.0	915.1	519.2	123.2	107.6
90°	3424.1	3276.1	3128.1	2708.6	2198.7	1710.2	1243.3	805.4	454.1	102.8	93.8
92.5°	3242.2	3100.9	2959.6	2555.9	2064.7	1583.7	1112.9	685.7	388.8	92.0	86.1
95°	3137.5	2972.2	2806.9	2404.3	1922.5	1451.3	990.7	583.1	334.6	86.1	81.4
97.5°	2918.0	2774.9	2631.8	2246.5	1780.4	1324.5	878.7	493.2	288.1	83.0	78.4
100°	2729.6	2579.5	2429.4	2064.0	1627.0	1197.6	775.9	417.7	250.1	82.5	77.2
102.5°	2530.3	2389.7	2249.1	1901.4	1484.6	1078.4	682.6	352.2	217.6	82.9	76.4
105°	2334.7	2192.1	2049.5	1720.0	1328.1	952.2	592.3	295.9	189.7	83.6	75.8
107.5°	2131.1	1993.3	1855.5	1544.2	1175.0	830.9	511.9	251.7	167.7	83.7	74.8
110°	1926.4	1783.3	1640.1	1347.3	1004.5	700.0	433.8	217.3	150.2	83.1	73.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1701.9	1558.8	1415.7	1147.4	837.4	576.5	364.6	191.9	136.8	81.6	71.6
115°	1459.4	1322.9	1186.4	949.5	679.1	462.5	299.6	166.6	123.1	79.5	69.4
117.5°	1194.0	1079.2	964.4	774.2	558.9	384.1	249.7	141.0	109.0	77.0	66.9
120°	912.1	828.8	745.5	609.0	454.7	321.9	210.5	121.0	97.3	73.6	64.1
122.5°	689.9	639.7	589.6	493.4	381.9	278.6	183.3	107.2	88.2	69.1	61.0
125°	546.5	518.7	490.8	416.5	326.7	241.2	160.1	95.5	80.3	65.1	58.1
127.5°	449.0	431.4	413.8	353.4	278.8	207.1	138.3	84.0	72.6	61.2	55.5
130°	371.1	359.8	348.4	295.8	229.5	169.2	115.0	72.4	65.0	57.6	53.2
132.5°	312.1	304.7	297.3	249.5	188.1	136.6	94.8	62.4	58.3	54.3	51.1
135°	266.0	257.4	248.7	206.6	153.4	111.0	79.3	55.1	53.2	51.4	49.4
137.5°	215.9	206.3	196.8	163.9	123.1	90.9	67.4	49.6	49.2	48.7	47.6
140°	168.7	161.0	153.4	128.4	97.7	74.2	57.8	45.6	45.9	46.1	45.7
142.5°	125.1	121.3	117.5	99.3	76.4	60.4	51.1	44.0	43.6	43.2	43.7
145°	91.5	88.9	86.3	74.8	60.4	51.2	47.3	43.8	42.0	40.2	41.9
147.5°	72.6	70.5	68.4	60.3	50.2	44.9	44.6	43.7	41.3	38.9	41.3
150°	59.8	57.8	55.7	50.0	43.0	40.7	42.9	44.0	41.7	39.4	41.7
152.5°	50.6	49.0	47.4	44.5	41.2	40.2	41.4	42.0	40.9	39.9	42.1
155°	43.4	41.8	40.3	39.9	39.9	40.0	40.2	40.3	40.3	40.4	42.5
157.5°	38.3	38.5	38.6	40.4	42.6	43.0	41.4	40.3	40.6	40.8	42.9
160°	39.6	40.0	40.5	41.9	43.6	43.6	41.9	40.7	41.0	41.3	43.2
162.5°	45.1	44.9	44.6	44.4	44.2	43.5	42.1	41.1	41.4	41.8	43.5
165°	46.5	45.8	45.2	43.9	42.4	41.6	41.5	41.5	41.8	42.2	43.8
167.5°	45.3	44.4	43.5	42.7	41.9	41.6	41.7	41.9	42.2	42.5	44.0
170°	42.6	42.3	42.1	42.1	42.2	42.3	42.4	42.5	42.7	42.9	44.2
172.5°	43.5	43.2	43.0	42.9	42.9	43.0	43.0	43.0	43.1	43.1	44.3
175°	44.4	44.1	43.9	43.8	43.8	43.7	43.6	43.4	43.4	43.4	44.4
177.5°	45.4	45.1	44.9	44.8	44.7	44.4	44.1	43.8	43.8	43.7	44.5
180°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2966.0	2966.0	2966.0	2966.0	2966.0	2966.0	2966.0	2966.0
2.5°	2840.3	2816.8	2799.3	2780.3	2759.9	2747.7	2759.9	2772.2
5°	2815.2	2742.1	2664.1	2593.9	2531.5	2482.2	2472.3	2462.4
7.5°	2688.0	2566.6	2444.7	2344.5	2266.2	2199.8	2169.2	2138.7
10°	2563.6	2400.7	2234.6	2091.5	1971.3	1870.3	1826.7	1783.1
12.5°	2438.4	2222.0	2005.8	1816.5	1654.0	1521.7	1480.2	1438.7
15°	2292.8	2023.4	1754.5	1531.7	1354.8	1210.3	1162.6	1115.0
17.5°	2149.9	1837.7	1526.1	1273.5	1080.1	918.8	854.1	789.5
20°	1981.7	1639.3	1302.0	1023.4	803.3	622.0	556.8	491.7
22.5°	1805.7	1435.3	1076.9	795.2	589.9	428.6	399.0	369.4
25°	1642.0	1244.7	866.6	607.7	468.1	360.1	346.9	333.7
27.5°	1475.2	1075.3	704.9	479.2	398.0	335.0	326.4	317.9
30°	1320.5	935.4	598.3	405.6	357.1	319.3	313.6	307.9
32.5°	1217.2	851.6	541.5	369.5	335.7	309.9	308.5	307.0
35°	1076.0	744.4	483.3	341.5	319.2	302.1	300.9	299.6
37.5°	940.1	644.2	434.2	320.3	302.4	287.9	283.6	279.3
40°	813.5	552.2	390.8	300.8	282.1	266.4	259.8	253.1
42.5°	715.6	481.4	355.5	281.8	260.2	242.2	234.8	227.4
45°	618.6	410.5	319.7	262.8	239.9	220.6	211.8	203.1
47.5°	556.6	367.8	292.3	242.6	218.9	199.1	191.0	183.0
50°	512.4	336.5	268.0	221.8	198.0	179.6	177.4	175.1
52.5°	475.6	311.1	245.6	201.4	178.5	162.3	166.2	170.1
55°	444.6	290.4	224.4	180.9	160.0	145.7	151.3	156.8
57.5°	414.5	270.5	204.2	161.7	143.1	129.8	132.1	134.5
60°	383.6	250.9	184.9	143.5	126.8	113.8	112.1	110.3
62.5°	350.5	230.8	166.1	125.7	109.8	96.8	92.6	88.4
65°	313.8	208.9	146.9	106.9	89.1	74.6	70.4	66.3
67.5°	276.9	185.8	127.6	86.7	63.2	44.3	39.0	33.8
70°	238.7	161.5	108.5	71.3	50.0	34.2	34.5	34.8
72.5°	203.2	138.9	90.9	59.8	45.6	35.1	35.5	35.9
75°	175.4	123.5	81.6	55.1	44.2	36.2	36.6	37.1
77.5°	150.7	109.8	74.2	52.2	43.6	37.3	37.8	38.3
80°	129.7	96.8	66.8	48.8	42.7	38.3	38.9	39.5
82.5°	113.7	86.8	61.3	46.5	42.4	39.4	40.0	40.7
85°	101.0	79.0	57.6	45.5	42.5	40.5	41.2	41.9
87.5°	92.0	74.0	55.2	44.8	42.9	41.6	42.4	43.1
90°	84.7	70.0	53.5	44.6	43.4	42.7	43.5	44.3
92.5°	80.1	67.4	52.5	44.6	44.0	43.7	44.6	45.5
95°	76.6	65.2	51.6	44.7	44.6	44.7	45.6	46.5
97.5°	73.8	63.4	51.0	44.9	45.2	45.7	46.6	47.5
100°	71.8	61.9	50.5	45.1	45.8	46.6	47.6	48.5
102.5°	69.8	60.4	50.0	45.4	46.5	47.5	48.5	49.4
105°	68.0	59.0	49.7	45.7	47.1	48.4	49.4	50.3
107.5°	65.9	57.6	49.5	46.2	47.8	49.3	50.2	51.2
110°	63.7	56.1	49.3	46.7	48.5	50.1	51.1	52.1



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 CATALOG NUMBER: WPMLD25S-100W_SWITCH-3000K

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	61.6	54.8	49.1	47.2	49.2	50.9	51.9	53.0
115°	59.3	53.3	48.8	47.7	49.9	51.8	52.7	53.7
117.5°	56.9	51.9	48.7	48.2	50.5	52.5	53.5	54.5
120°	54.7	50.7	48.6	48.7	51.2	53.3	54.2	55.2
122.5°	52.8	49.8	48.6	49.2	51.8	54.0	54.9	55.8
125°	51.1	49.1	48.6	49.7	52.4	54.6	55.5	56.4
127.5°	49.9	48.6	48.8	50.2	52.9	55.1	56.0	56.8
130°	48.8	48.2	48.9	50.6	53.3	55.6	56.4	57.3
132.5°	48.0	48.0	49.1	51.0	53.8	56.0	56.8	57.6
135°	47.4	47.9	49.4	51.5	54.1	56.3	57.1	57.9
137.5°	46.5	47.7	49.5	51.8	54.4	56.5	57.3	58.1
140°	45.4	47.1	49.5	52.0	54.5	56.6	57.3	58.1
142.5°	44.1	46.5	49.5	52.2	54.6	56.5	57.3	58.1
145°	43.6	46.4	49.5	52.2	54.5	56.4	57.1	57.9
147.5°	43.7	46.6	49.6	52.2	54.3	56.1	56.8	57.5
150°	44.0	46.8	49.7	52.1	54.1	55.8	56.4	57.1
152.5°	44.3	46.9	49.7	51.9	53.7	55.3	55.8	56.4
155°	44.6	47.0	49.6	51.7	53.3	54.7	55.2	55.7
157.5°	44.9	47.1	49.4	51.3	52.8	54.1	54.5	54.9
160°	45.1	47.1	49.2	51.0	52.3	53.4	53.8	54.2
162.5°	45.2	47.1	49.0	50.6	51.7	52.7	53.1	53.4
165°	45.3	47.0	48.7	50.1	51.2	52.0	52.3	52.5
167.5°	45.4	46.9	48.4	49.6	50.5	51.2	51.4	51.6
170°	45.5	46.7	48.0	49.1	49.8	50.4	50.5	50.6
172.5°	45.4	46.6	47.7	48.5	49.1	49.5	49.5	49.5
175°	45.4	46.3	47.3	48.0	48.4	48.7	48.6	48.6
177.5°	45.3	46.1	46.8	47.3	47.7	47.9	47.7	47.5
180°	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4

(END OF REPORT)