

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: P511361

Luminaire Tested: **WPMLED25B**

Issue Date: 4/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511361  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (UL-CCIC (Suzhou) Co.,Ltd)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 4/9/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: WPMLED25B  
Description: WALLPACK DEDICATED CCT  
Light Source: (240) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

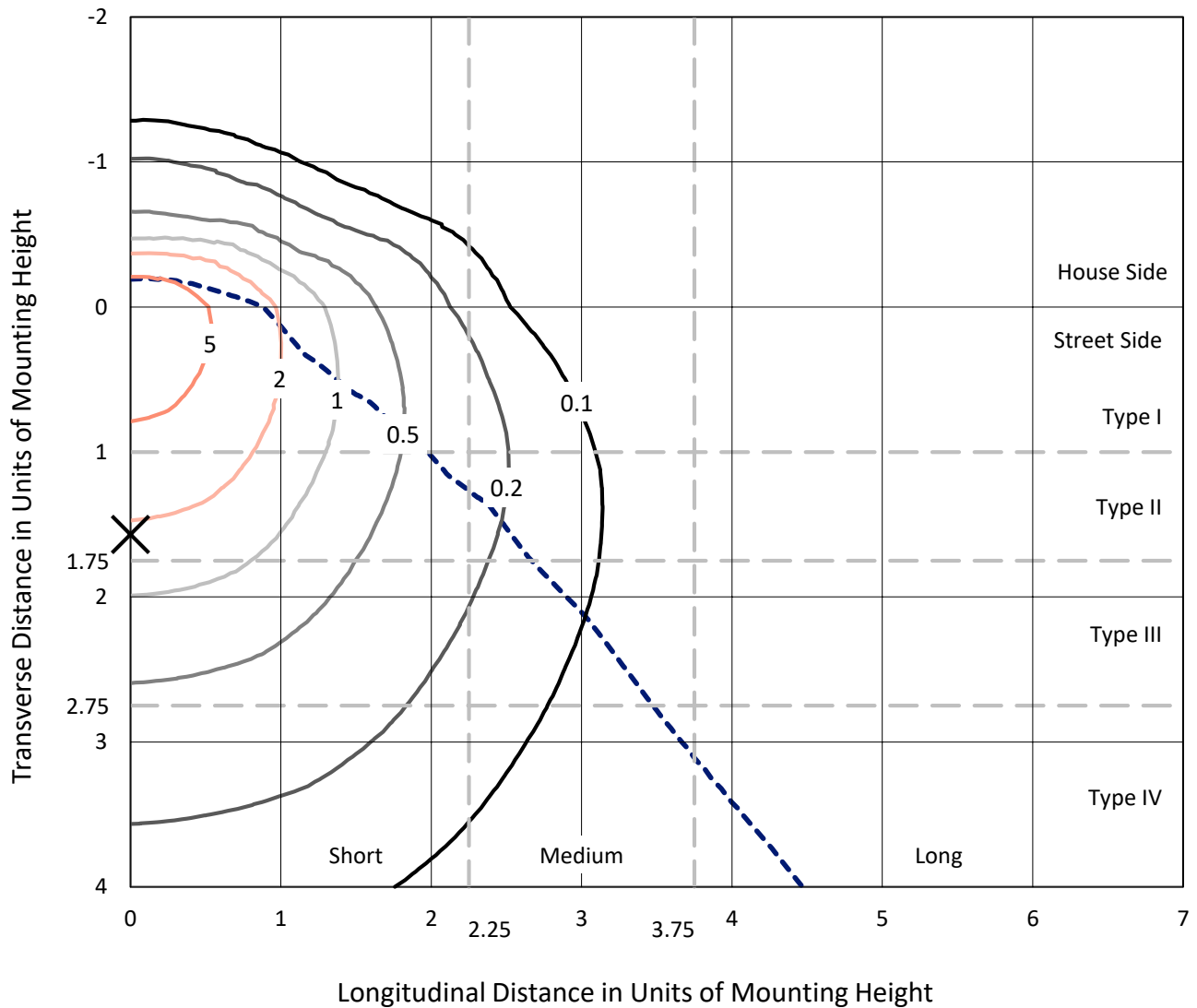
Lumens per Lamp: N/A  
Luminaire Lumens: 12873 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.13m x L: 0.26m x H: 0.9m)  
IES Classification: Type IV - Short  
BUG Rating: B2 - U5 - G5  
  
Input Watts (W): 102.2  
Input Voltage (V): 120  
Input 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

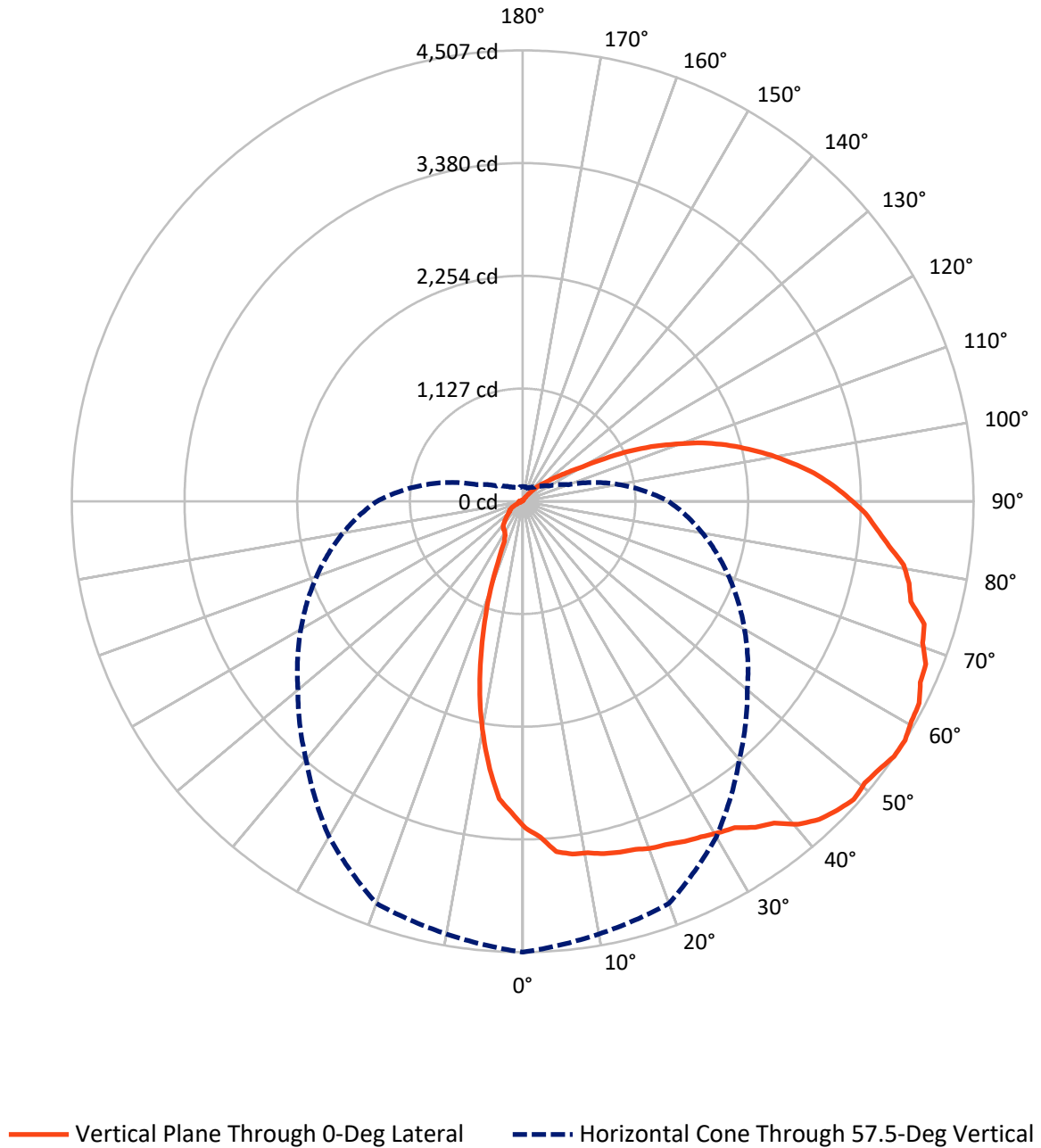
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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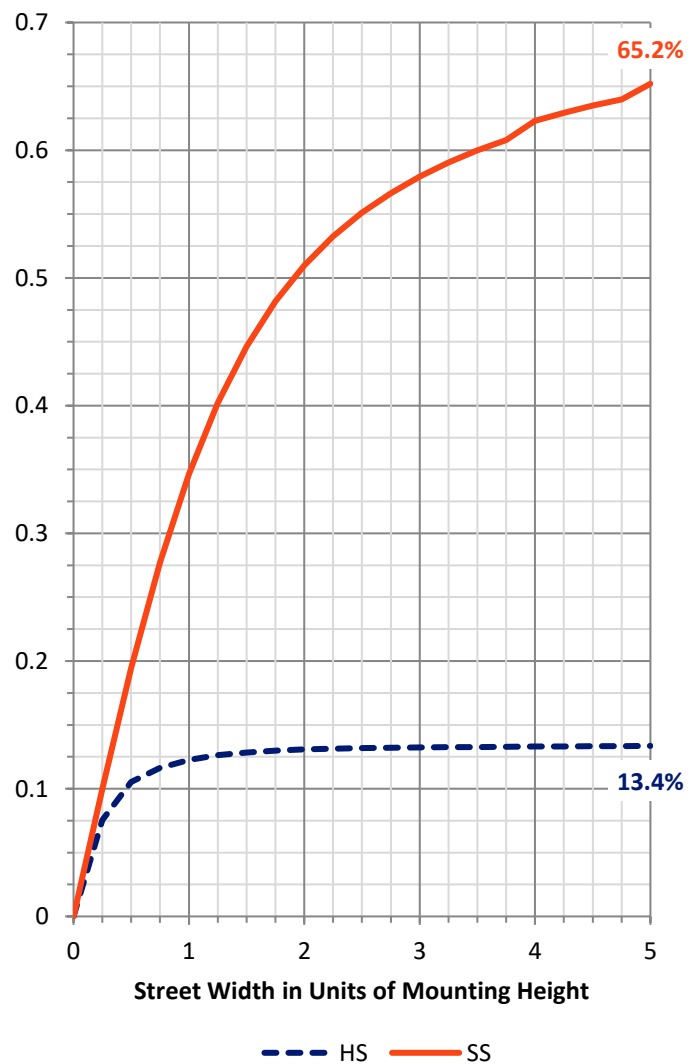
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1751.4	66.1	1817.5
	% Fixture	13.6	0.5	14.1
<b>Street Side</b>	Lumens	9223.2	1832.3	11055.5
	% Fixture	71.6	14.2	85.9
<b>Total</b>	Lumens	10974.6	1898.4	12873.0
	% Fixture	85.3	14.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	309.2	2.4
10°-20°	822.8	6.4
20°-30°	1121.9	8.7
30°-40°	1340.8	10.4
40°-50°	1523.3	11.8
50°-60°	1616.7	12.6
60°-70°	1608.3	12.5
70°-80°	1440.1	11.2
80°-90°	1191.5	9.3
90°-100°	882.0	6.9
100°-110°	559.0	4.3
110°-120°	272.0	2.1
120°-130°	112.8	0.9
130°-140°	48.2	0.4
140°-150°	14.8	0.1
150°-160°	5.3	0.0
160°-170°	3.0	0.0
170°-180°	1.2	0.0
0°-90°	10974.6	85.3
0°-180°	12873.0	100.0

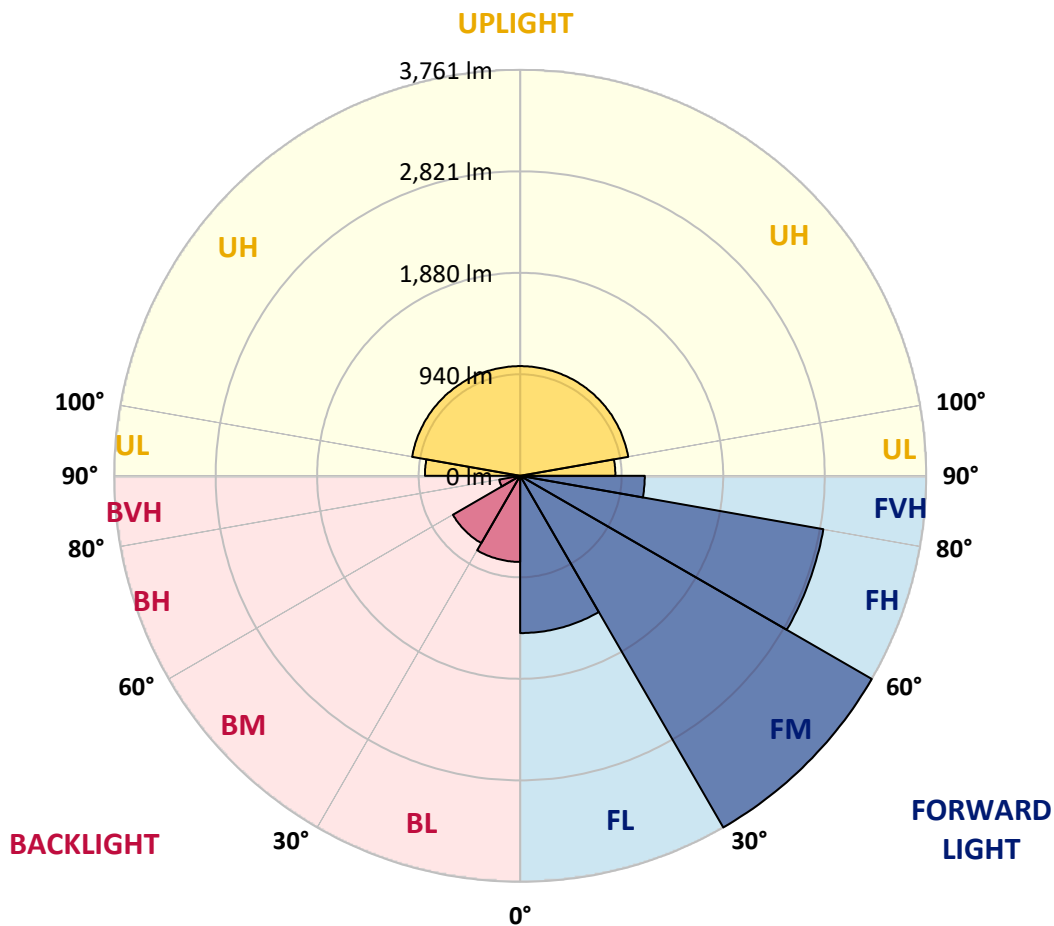


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1456.6	11.3			
FM (30°-60°)	3760.9	29.2			
FH (60°-80°)	2851.5	22.2			G2/5000
FVH (80°-90°)	1154.1	9.0			G5
BL (0°-30°)	797.3	6.2	B2/1000		
BM (30°-60°)	719.9	5.6	B1/1000		
BH (60°-80°)	196.8	1.5	B1/500		G1/500
BVH (80°-90°)	37.4	0.3			G1/100
UL (90°-100°)	882.0	6.9		U4/1000	
UH (100°-180°)	1016.4	7.9		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°	3266.8	3266.8	3266.8	3266.8	3266.8	3266.8	3266.8	3266.8	3266.8	3266.8	3266.8
2.5°	3359.8	3375.3	3390.8	3396.4	3398.7	3388.2	3365.1	3346.2	3340.0	3333.9	3297.4
5°	3517.9	3538.4	3558.8	3533.7	3493.4	3458.6	3429.2	3393.8	3340.7	3287.7	3240.8
7.5°	3560.7	3574.0	3587.3	3566.2	3533.6	3496.7	3455.6	3411.3	3357.1	3303.0	3224.8
10°	3574.8	3579.0	3583.2	3586.1	3588.6	3571.1	3533.8	3479.7	3375.5	3271.4	3178.3
12.5°	3615.4	3599.5	3583.6	3566.4	3548.7	3525.1	3495.5	3447.3	3343.0	3238.7	3112.6
15°	3639.1	3637.6	3636.1	3603.7	3561.1	3528.2	3504.9	3452.4	3312.7	3173.0	3020.2
17.5°	3659.0	3663.8	3668.8	3629.9	3576.2	3520.2	3461.7	3386.5	3260.5	3134.5	2927.6
20°	3700.3	3686.9	3673.5	3626.6	3568.5	3504.0	3433.0	3346.0	3210.3	3074.6	2825.2
22.5°	3722.5	3697.1	3671.8	3610.2	3536.6	3453.9	3362.1	3259.0	3122.3	2985.6	2684.2
25°	3767.6	3742.0	3716.5	3630.3	3523.8	3411.8	3294.0	3174.7	3050.8	2926.9	2576.2
27.5°	3799.1	3770.6	3742.1	3634.2	3499.9	3368.3	3239.6	3111.8	2987.2	2862.7	2448.8
30°	3845.6	3797.6	3749.6	3624.8	3474.5	3330.8	3193.6	3056.5	2919.4	2782.3	2333.9
32.5°	3891.0	3839.9	3788.8	3639.6	3457.6	3284.9	3121.3	2961.5	2812.7	2664.1	2182.3
35°	4002.5	3936.8	3871.0	3679.6	3446.2	3242.7	3068.9	2894.8	2719.9	2545.0	2033.2
37.5°	4082.6	4019.3	3956.0	3723.0	3433.3	3191.8	2998.3	2808.7	2630.9	2453.0	1895.5
40°	4245.5	4144.0	4042.4	3770.2	3441.0	3166.1	2945.7	2729.4	2526.0	2322.6	1747.5
42.5°	4347.3	4226.4	4105.7	3810.1	3456.2	3149.3	2889.1	2639.2	2419.8	2200.5	1609.2
45°	4406.5	4284.5	4162.4	3841.9	3455.2	3117.4	2828.5	2553.6	2320.2	2086.9	1487.3
47.5°	4455.3	4331.8	4208.2	3886.2	3497.9	3132.2	2789.0	2467.3	2210.8	1954.1	1360.1
50°	4431.3	4316.5	4201.8	3857.4	3436.5	3050.5	2699.3	2370.5	2108.5	1846.6	1253.9
52.5°	4457.0	4336.0	4215.0	3855.4	3416.2	3023.1	2675.9	2337.7	2026.3	1714.9	1151.1
55°	4503.8	4375.4	4246.9	3856.9	3379.7	2966.5	2617.4	2270.8	1932.0	1593.2	1061.9
57.5°	4507.2	4392.3	4277.3	3871.5	3368.8	2932.1	2561.1	2191.2	1824.0	1456.8	970.5
60°	4464.4	4369.5	4274.6	3843.7	3300.7	2861.2	2525.3	2168.0	1746.6	1325.2	888.3
62.5°	4448.3	4360.5	4272.6	3842.7	3298.7	2836.0	2454.5	2059.4	1623.1	1186.7	798.5
65°	4368.0	4286.6	4205.4	3776.6	3232.2	2777.4	2412.3	2014.6	1519.6	1024.6	698.1
67.5°	4346.0	4241.9	4137.9	3702.1	3155.6	2688.9	2302.1	1883.5	1369.5	855.5	591.7
70°	4242.0	4156.9	4071.6	3632.9	3076.4	2618.8	2259.8	1846.6	1270.7	694.8	490.7
72.5°	4197.0	4075.5	3954.1	3513.7	2967.0	2507.0	2133.4	1707.2	1123.6	539.9	389.7
75°	4006.8	3920.7	3834.5	3417.0	2889.0	2433.5	2050.3	1612.9	1012.6	412.2	307.7
77.5°	3948.2	3847.8	3747.4	3315.4	2773.0	2306.0	1914.5	1475.7	895.0	314.4	243.3
80°	3860.8	3751.0	3641.2	3209.8	2671.1	2195.3	1782.4	1336.4	791.0	245.6	194.6
82.5°	3691.2	3586.9	3482.8	3058.4	2527.4	2055.7	1643.5	1208.8	706.7	204.5	165.0
85°	3550.6	3442.5	3334.4	2911.4	2383.4	1911.0	1494.3	1068.7	616.4	164.1	133.9
87.5°	3427.6	3308.4	3189.2	2767.5	2244.9	1773.8	1354.3	939.2	537.2	135.3	114.1
90°	3264.9	3143.7	3022.5	2609.0	2098.1	1632.6	1212.4	809.1	456.7	104.1	91.5
92.5°	3102.1	2972.9	2843.7	2438.1	1940.4	1483.0	1065.7	679.4	385.4	91.5	81.9
95°	2927.6	2797.0	2666.5	2273.4	1792.8	1344.9	929.6	558.7	320.7	82.7	74.3
97.5°	2726.7	2590.6	2454.7	2082.7	1632.0	1205.8	804.2	455.7	266.2	76.6	66.2
100°	2526.1	2388.9	2251.8	1895.7	1466.6	1064.0	687.9	368.9	221.4	73.9	62.5
102.5°	2315.7	2176.4	2037.1	1703.2	1304.2	931.4	584.5	296.5	184.4	72.3	60.5
105°	2109.7	1959.7	1809.7	1499.6	1136.0	802.6	499.3	249.2	159.1	69.0	57.6
107.5°	1889.0	1738.0	1587.2	1302.5	973.2	678.4	418.1	205.6	136.4	67.4	53.2
110°	1632.8	1496.4	1359.9	1106.3	813.7	561.5	349.9	177.1	120.8	64.7	51.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1397.7	1262.7	1127.7	908.7	661.6	455.6	290.5	155.3	109.5	63.8	48.6
115°	1141.5	1023.7	906.0	728.0	529.9	368.2	242.9	138.9	99.0	59.0	43.9
117.5°	865.5	785.6	705.8	575.3	428.0	304.1	203.8	120.1	86.8	53.6	38.3
120°	648.1	605.2	562.4	468.4	357.4	261.0	179.2	110.4	80.0	49.6	35.3
122.5°	521.4	493.5	465.6	391.4	301.7	223.7	157.4	100.6	71.7	43.0	30.5
125°	422.8	409.0	395.2	334.4	258.2	192.3	136.5	88.2	61.9	35.6	25.1
127.5°	342.2	336.0	329.9	279.8	215.1	160.2	115.1	75.4	52.7	29.8	22.5
130°	281.8	280.0	278.2	234.1	175.8	130.2	97.4	67.8	47.7	27.7	21.2
132.5°	234.9	237.3	239.6	201.7	150.4	110.4	81.5	55.7	39.8	23.9	17.6
135°	197.7	191.7	185.5	157.6	122.3	92.8	69.1	48.0	34.8	21.6	17.0
137.5°	144.2	141.8	139.5	121.6	98.6	77.2	57.4	39.8	28.7	17.6	13.8
140°	97.9	99.5	101.1	88.7	71.8	57.0	44.2	32.5	24.1	15.8	13.9
142.5°	69.5	72.2	75.1	65.6	52.0	41.1	33.1	25.8	21.2	16.6	13.6
145°	49.0	50.8	52.6	46.8	38.7	30.8	23.3	17.1	14.4	11.7	11.1
147.5°	36.4	36.1	35.9	33.4	30.1	25.7	20.3	15.6	13.6	11.6	9.9
150°	23.1	22.5	21.9	21.5	21.2	19.5	16.4	13.9	12.9	12.0	9.9
152.5°	12.4	14.1	15.8	16.4	16.7	15.9	14.0	12.0	9.6	7.4	8.7
155°	16.5	16.6	16.8	15.1	12.8	11.2	10.5	9.7	9.1	8.4	9.3
157.5°	10.3	11.6	12.9	12.4	11.3	10.4	9.7	9.0	8.5	8.0	8.3
160°	12.4	12.8	13.3	11.1	8.0	7.2	8.3	9.2	9.0	8.9	9.4
162.5°	9.0	9.4	9.9	9.6	9.0	8.6	8.4	8.4	9.0	9.7	8.6
165°	8.9	10.3	11.7	11.1	9.8	9.6	10.3	10.8	10.3	9.8	9.8
167.5°	11.0	10.2	9.5	9.6	10.0	10.0	9.6	9.4	10.0	10.6	10.6
170°	10.5	11.7	13.0	12.3	11.0	10.4	10.4	10.5	11.0	11.5	10.9
172.5°	10.7	11.1	11.5	11.4	11.2	11.4	11.9	12.2	11.7	11.2	11.8
175°	11.7	11.2	10.7	10.8	11.0	11.5	12.4	13.3	14.6	15.8	13.8
177.5°	12.2	13.2	14.2	14.5	14.7	13.8	11.9	10.7	11.7	12.7	12.9
180°	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8





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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
0°	3266.8	3266.8	3266.8	3266.8	3266.8	3266.8	3266.8	3266.8
2.5°	3261.0	3239.5	3222.9	3202.1	3177.3	3153.9	3135.1	3116.4
5°	3194.0	3164.9	3141.7	3109.4	3068.0	3030.9	3006.8	2982.5
7.5°	3146.6	3068.2	2989.8	2920.6	2860.7	2802.5	2749.3	2696.2
10°	3085.2	2964.3	2834.3	2713.1	2600.8	2501.2	2440.0	2378.8
12.5°	2986.5	2819.7	2639.2	2470.5	2313.6	2179.7	2114.6	2049.6
15°	2867.4	2645.7	2401.2	2183.9	1994.0	1832.9	1758.1	1683.4
17.5°	2720.6	2452.1	2163.2	1904.9	1677.2	1486.3	1405.8	1325.1
20°	2575.8	2256.8	1914.7	1623.9	1384.4	1182.2	1092.1	1001.9
22.5°	2382.9	2025.7	1649.9	1333.6	1077.1	859.3	757.7	656.3
25°	2225.6	1820.6	1397.4	1052.5	786.0	570.4	507.1	443.8
27.5°	2034.9	1600.1	1158.5	826.7	604.9	432.7	409.1	385.5
30°	1885.4	1423.7	957.6	649.0	497.8	381.7	371.2	360.6
32.5°	1700.5	1242.4	792.3	521.8	431.1	360.9	352.1	343.3
35°	1521.5	1083.9	671.2	438.3	385.3	344.6	340.6	336.6
37.5°	1337.9	933.7	580.6	387.4	354.3	329.1	327.4	325.6
40°	1172.4	809.9	518.3	358.9	331.9	310.3	305.2	300.1
42.5°	1017.9	694.3	459.9	330.3	305.3	284.5	275.9	267.4
45°	887.8	599.4	414.7	308.4	280.7	257.4	248.1	238.7
47.5°	766.1	510.7	368.3	282.5	253.2	229.0	220.5	212.0
50°	661.2	432.8	325.8	259.0	232.5	209.3	196.1	183.0
52.5°	587.3	381.3	294.5	235.9	205.7	181.3	175.0	168.6
55°	530.6	339.6	262.1	208.8	179.5	157.5	156.9	156.4
57.5°	484.1	307.5	234.2	185.0	160.0	142.0	145.1	148.0
60°	451.3	285.5	210.0	160.6	137.2	120.4	123.7	127.0
62.5°	410.3	259.4	187.7	140.2	116.8	98.9	96.7	94.5
65°	371.6	236.5	165.2	118.4	96.1	78.1	73.1	68.2
67.5°	328.0	210.0	140.7	96.0	75.7	59.3	54.7	50.2
70°	286.7	186.5	121.0	76.2	52.2	31.9	23.3	14.7
72.5°	239.4	158.2	100.0	59.2	36.1	19.2	21.5	23.6
75°	203.2	137.1	83.9	49.9	35.1	24.5	26.3	28.2
77.5°	172.2	119.9	73.8	46.0	36.6	29.6	30.4	31.1
80°	143.6	103.0	66.0	43.7	36.1	30.9	33.1	35.3
82.5°	125.6	91.1	58.3	39.7	35.5	32.5	33.9	35.3
85°	103.6	76.4	50.3	36.0	33.5	32.4	35.6	38.8
87.5°	92.9	69.5	45.3	32.8	31.9	31.7	33.4	35.2
90°	79.0	61.1	41.4	30.8	29.2	28.8	31.8	34.9
92.5°	72.3	55.3	35.9	26.5	27.2	28.2	30.3	32.4
95°	65.9	51.1	34.1	25.6	25.7	26.3	28.7	31.1
97.5°	55.6	42.3	27.9	21.5	22.9	24.4	26.2	28.0
100°	51.1	38.3	24.9	19.2	21.1	23.0	25.0	27.0
102.5°	48.8	36.2	23.2	17.8	20.1	22.1	23.3	24.4
105°	46.3	34.2	21.8	16.1	17.0	18.2	20.1	22.1
107.5°	38.9	28.5	19.5	15.3	15.8	16.6	18.0	19.4
110°	37.3	26.9	17.7	13.5	14.4	14.9	14.6	14.2



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 CATALOG NUMBER: WPMLD25B

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	33.4	23.6	15.7	12.2	13.2	13.7	12.7	11.7
115°	28.7	19.8	12.9	9.4	9.5	9.3	8.3	7.4
117.5°	22.9	15.1	9.9	6.9	6.1	5.8	7.2	8.5
120°	20.9	13.6	8.7	6.8	7.6	8.1	8.0	8.0
122.5°	18.0	11.5	7.2	5.6	6.8	7.8	8.2	8.6
125°	14.7	10.2	7.7	5.6	4.1	3.3	4.7	6.1
127.5°	15.1	9.8	5.4	4.2	6.3	7.9	7.9	7.9
130°	14.6	10.8	7.9	6.6	6.8	7.1	7.7	8.2
132.5°	11.2	7.9	5.6	4.8	5.4	6.3	8.0	9.9
135°	12.4	9.8	7.9	7.9	9.6	10.7	9.9	9.1
137.5°	10.1	8.1	6.8	6.9	8.3	9.3	8.6	8.0
140°	12.0	10.0	8.1	7.8	8.9	9.6	8.9	8.1
142.5°	10.6	9.0	7.8	7.7	8.3	8.9	9.2	9.4
145°	10.5	9.2	7.8	7.4	8.1	8.8	9.0	9.2
147.5°	8.2	7.5	7.0	6.6	6.2	6.3	7.7	9.1
150°	7.8	7.4	7.4	7.5	7.6	8.2	10.4	12.6
152.5°	10.1	9.7	8.8	9.3	11.2	12.4	11.6	10.8
155°	10.2	10.1	9.6	9.5	9.7	10.1	11.1	12.2
157.5°	8.6	9.4	10.4	10.7	10.3	10.2	11.3	12.4
160°	10.0	10.6	11.3	11.2	10.5	10.2	11.5	12.7
162.5°	7.6	8.9	11.2	12.7	13.3	13.6	12.7	11.9
165°	9.9	10.6	11.6	12.7	14.0	14.4	12.3	10.3
167.5°	10.5	10.6	10.8	11.4	12.5	13.2	12.4	11.6
170°	10.3	11.8	13.9	14.9	14.8	14.5	13.7	12.9
172.5°	12.4	13.6	15.0	15.1	13.8	12.9	13.3	13.7
175°	11.8	11.8	12.5	13.3	14.3	14.9	13.9	13.0
177.5°	13.2	14.2	15.5	16.0	15.6	14.8	13.1	11.3
180°	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8

(END OF REPORT)