

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: P511379

Luminaire Tested: **WPMLED25S-80W\_SWITCH-5000K**

Issue Date: 4/9/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511379  
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-80W\_SWITCH-5000K  
Description: WALLPACK SELECTABLE CCT  
Light Source: (240) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

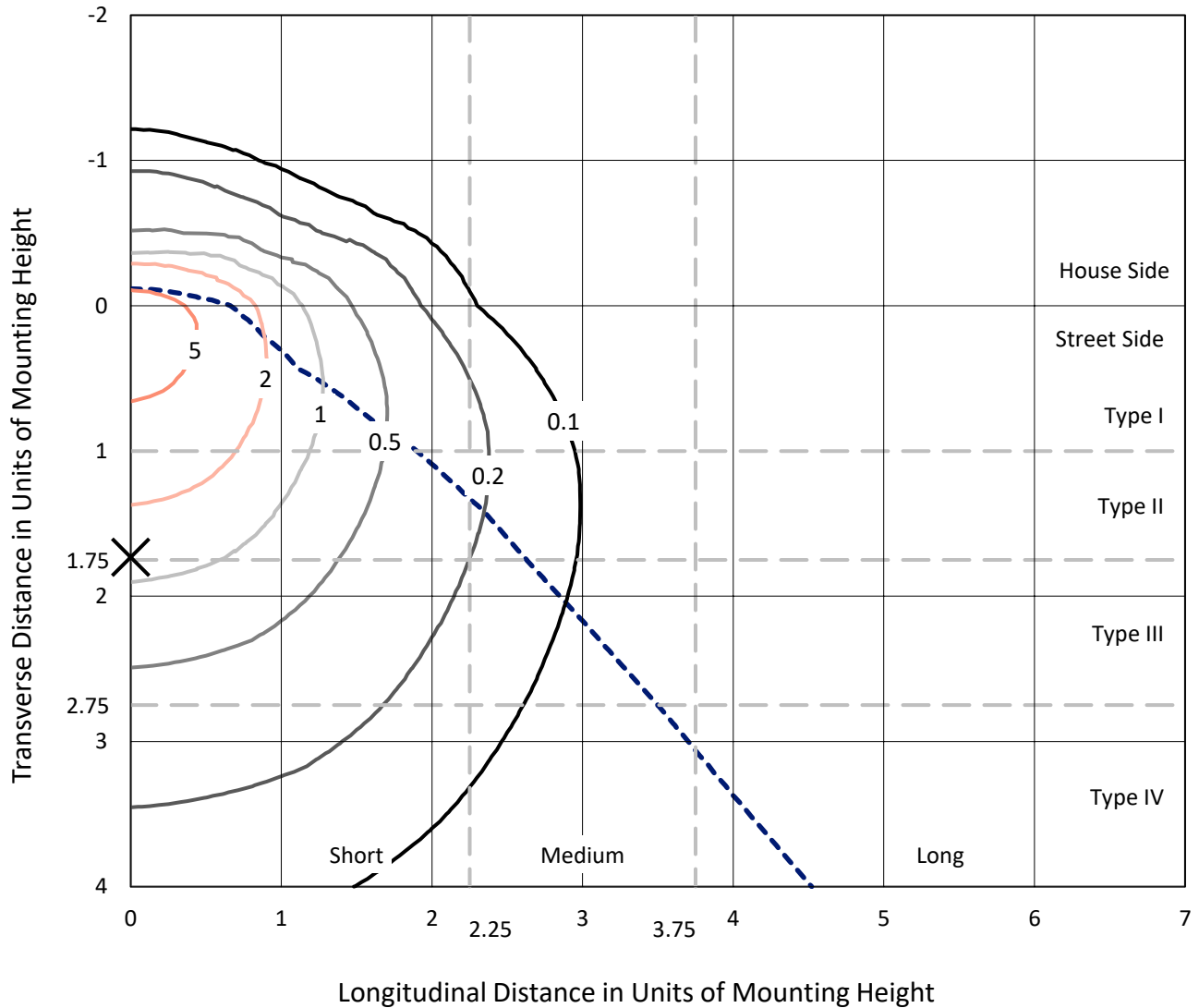
Lumens per Lamp: N/A  
Luminaire Lumens: 11193 lumens  
Efficiency: N/A  
Efficacy: 137.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.9' x L: 0.13' x H: 0.45')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U5 - G5  
  
Input Watts (W): 81.6  
Input Voltage (V): 120  
Input Current (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

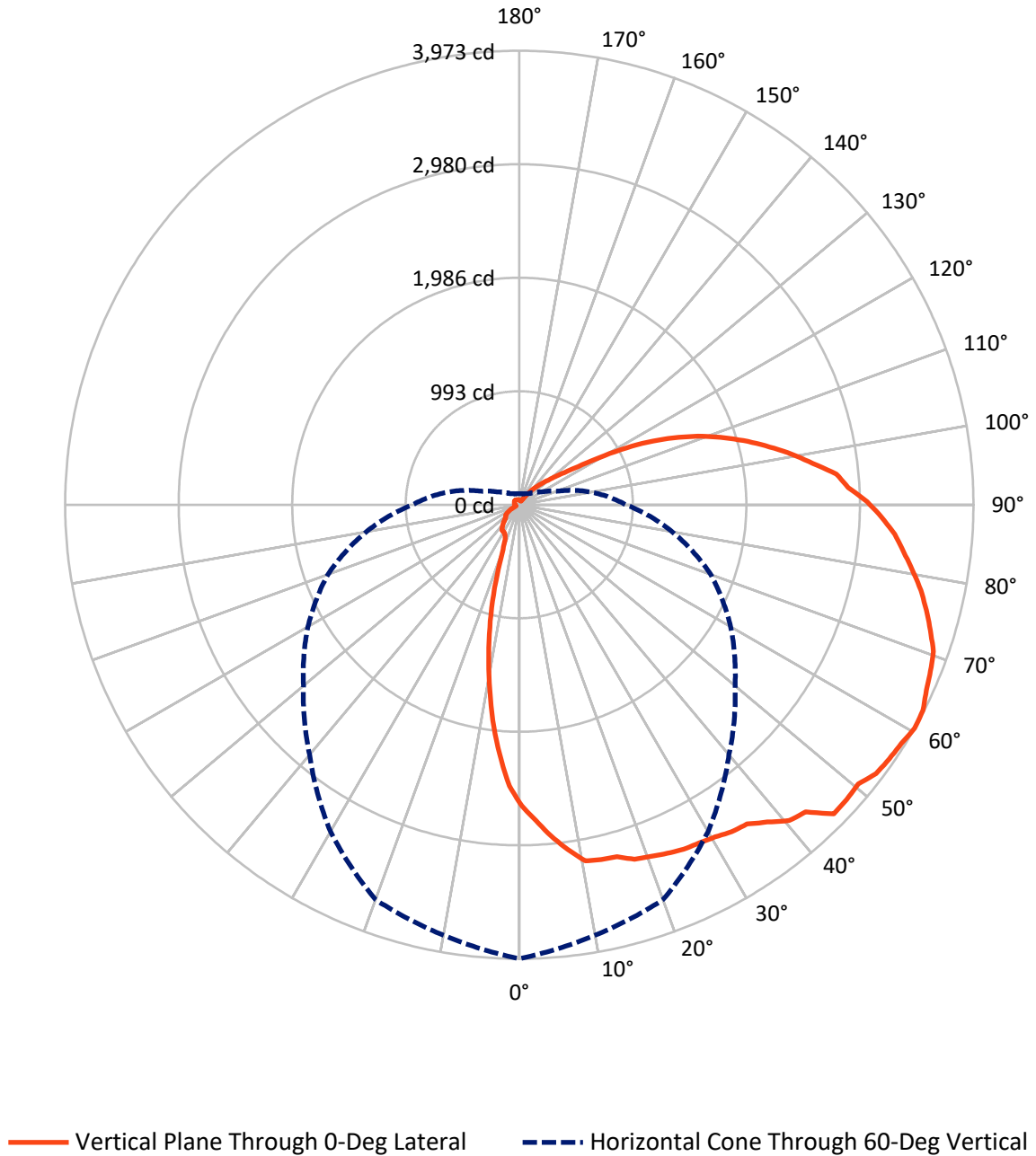
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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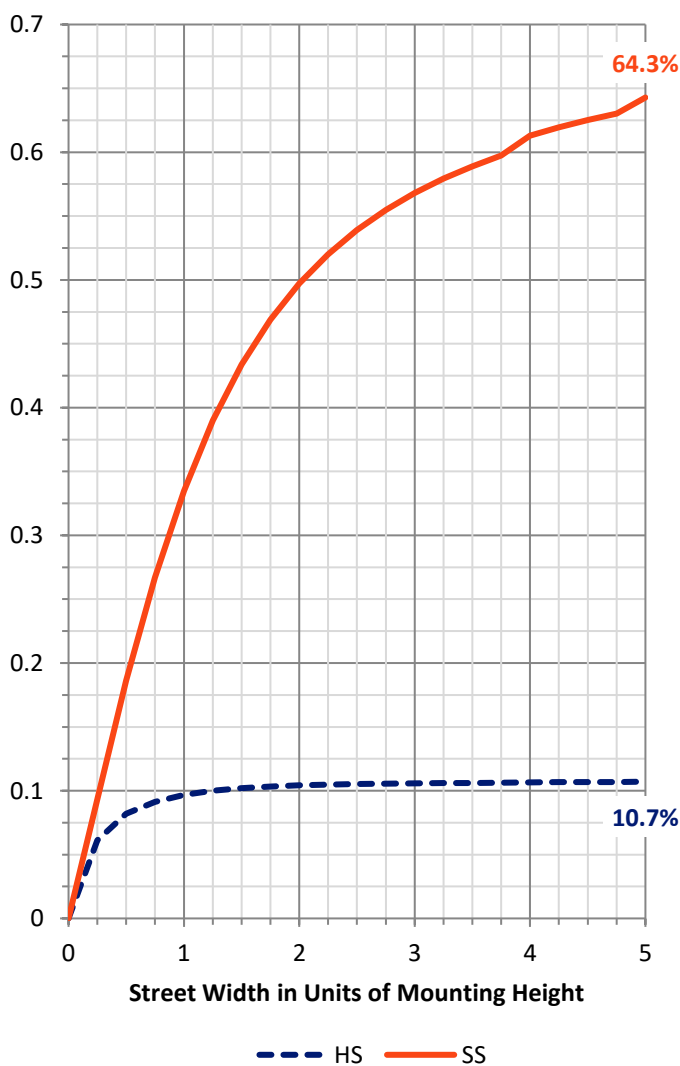
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1224.7	150.8	1375.6
	% Fixture	10.9	1.3	12.3
<b>Street Side</b>	Lumens	7952.6	1864.8	9817.4
	% Fixture	71.1	16.7	87.7
<b>Total</b>	Lumens	9177.4	2015.6	11193.0
	% Fixture	82.0	18.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.7	2.2
10°-20°	639.7	5.7
20°-30°	893.3	8.0
30°-40°	1087.9	9.7
40°-50°	1244.7	11.1
50°-60°	1350.0	12.1
60°-70°	1374.1	12.3
70°-80°	1267.2	11.3
80°-90°	1077.7	9.6
90°-100°	838.2	7.5
100°-110°	577.7	5.2
110°-120°	320.5	2.9
120°-130°	142.6	1.3
130°-140°	69.5	0.6
140°-150°	32.8	0.3
150°-160°	18.9	0.2
160°-170°	11.5	0.1
170°-180°	3.8	0.0
0°-90°	9177.4	82.0
0°-180°	11193.0	100.0

**Coefficient of Utilization**



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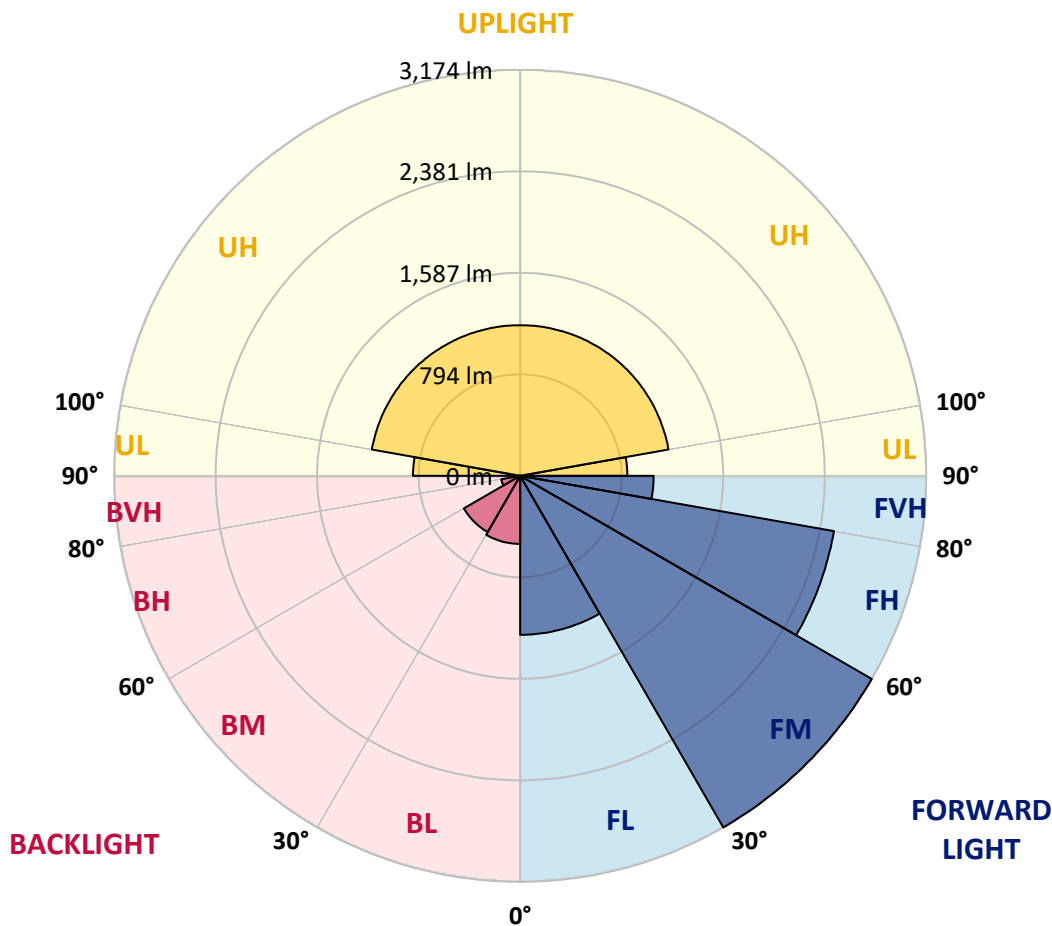
CATALOG NUMBER: WPMLD25S-80W\_SWITCH-5000K

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1243.3	11.1			
FM (30°-60°)	3174.4	28.4			
FH (60°-80°)	2491.5	22.3			G2/5000
FVH (80°-90°)	1043.4	9.3			G5
BL (0°-30°)	532.4	4.8	B2/1000		
BM (30°-60°)	508.2	4.5	B1/1000		
BH (60°-80°)	149.9	1.3	B1/500		G1/500
BVH (80°-90°)	34.3	0.3			G1/100
UL (90°-100°)	838.2	7.5		U4/1000	
UH (100°-180°)	1177.4	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°	2635.4	2635.4	2635.4	2635.4	2635.4	2635.4	2635.4	2635.4	2635.4	2635.4	2635.4
2.5°	2765.9	2755.4	2744.9	2741.1	2739.6	2731.6	2717.1	2694.2	2645.7	2597.2	2560.5
5°	2912.0	2900.0	2888.0	2876.0	2863.9	2828.9	2771.0	2713.9	2659.4	2604.9	2553.2
7.5°	3046.1	3029.7	3013.3	2970.8	2919.7	2876.4	2841.0	2790.7	2696.0	2601.2	2494.8
10°	3168.5	3151.6	3134.7	3102.8	3065.9	2998.2	2899.7	2795.2	2672.8	2550.3	2414.1
12.5°	3185.6	3154.6	3123.6	3116.0	3116.2	3060.7	2949.5	2831.3	2691.8	2552.3	2359.5
15°	3195.0	3149.1	3103.2	3077.8	3059.3	3013.0	2939.1	2843.0	2680.8	2518.5	2277.9
17.5°	3261.7	3199.2	3136.8	3106.8	3087.6	3039.9	2963.7	2857.9	2663.2	2468.6	2189.5
20°	3284.0	3248.4	3212.7	3158.9	3099.0	3027.1	2943.4	2826.8	2611.9	2397.0	2078.9
22.5°	3313.3	3269.5	3225.7	3160.8	3089.0	3009.0	2920.9	2796.2	2561.7	2327.3	1965.9
25°	3338.4	3304.5	3270.6	3188.2	3089.7	2986.9	2879.7	2740.3	2503.9	2267.5	1863.2
27.5°	3352.0	3316.7	3281.5	3176.4	3048.1	2925.6	2809.0	2661.3	2420.2	2179.2	1745.0
30°	3373.8	3325.4	3277.0	3151.2	2999.7	2865.1	2747.3	2598.5	2356.4	2114.3	1643.8
32.5°	3411.0	3349.5	3288.0	3148.2	2982.3	2825.4	2677.7	2506.9	2266.9	2026.8	1554.2
35°	3431.5	3366.4	3301.2	3153.2	2977.4	2807.7	2643.9	2454.4	2187.7	1920.9	1438.5
37.5°	3522.9	3428.9	3334.8	3151.6	2938.7	2735.8	2543.0	2334.1	2077.0	1819.9	1327.6
40°	3634.4	3520.9	3407.4	3181.7	2918.6	2682.4	2472.9	2249.6	1984.7	1719.7	1221.3
42.5°	3674.3	3573.9	3473.4	3227.4	2933.0	2658.8	2405.0	2149.7	1889.8	1629.8	1132.8
45°	3857.1	3707.7	3558.3	3275.1	2947.2	2648.5	2379.0	2106.6	1825.9	1545.2	1047.4
47.5°	3853.0	3719.2	3585.4	3295.3	2953.0	2633.3	2335.9	2037.5	1735.7	1433.9	964.2
50°	3842.2	3723.2	3604.1	3304.1	2943.8	2597.4	2264.7	1940.1	1639.9	1339.7	897.5
52.5°	3907.3	3757.4	3607.6	3296.6	2931.8	2585.5	2257.4	1925.9	1584.1	1242.2	832.4
55°	3926.8	3778.9	3631.0	3298.9	2905.4	2545.5	2219.0	1881.4	1510.4	1139.3	767.2
57.5°	3940.7	3797.5	3654.3	3295.8	2865.4	2493.4	2179.7	1843.7	1440.8	1037.9	703.1
60°	3972.7	3824.8	3676.9	3302.9	2853.5	2464.1	2134.6	1781.3	1356.8	932.3	636.6
62.5°	3962.6	3829.9	3697.2	3320.4	2862.2	2455.7	2101.0	1721.9	1269.5	817.2	564.3
65°	3912.8	3793.1	3673.3	3298.9	2839.5	2431.9	2076.1	1685.3	1189.3	693.4	486.1
67.5°	3879.9	3764.3	3648.6	3256.4	2772.0	2356.0	2008.5	1618.5	1101.1	583.7	414.9
70°	3842.7	3718.0	3593.4	3196.1	2707.9	2291.2	1945.8	1552.5	1015.1	477.8	344.9
72.5°	3759.9	3650.7	3541.6	3139.0	2638.6	2209.8	1852.5	1451.0	916.6	382.2	281.4
75°	3677.6	3561.8	3445.9	3049.9	2560.5	2133.0	1767.4	1360.7	830.7	300.7	228.3
77.5°	3590.5	3473.1	3355.8	2964.6	2482.1	2049.9	1668.0	1254.3	745.0	235.6	184.8
80°	3489.2	3365.4	3241.7	2853.6	2377.5	1945.8	1558.3	1147.9	668.5	189.0	152.1
82.5°	3386.9	3259.9	3132.9	2747.6	2276.2	1841.6	1443.8	1035.6	596.2	156.8	128.9
85°	3294.3	3170.9	3047.5	2659.1	2182.5	1738.4	1327.1	920.1	526.3	132.4	111.1
87.5°	3172.0	3041.4	2910.7	2530.0	2065.9	1626.6	1212.0	813.1	461.3	109.5	95.6
90°	3042.5	2911.0	2779.5	2406.7	1953.6	1519.6	1104.8	715.6	403.5	91.4	83.3
92.5°	2880.8	2755.3	2629.7	2271.0	1834.5	1407.2	988.9	609.2	345.5	81.7	76.5
95°	2787.8	2640.9	2494.0	2136.3	1708.2	1289.6	880.3	518.1	297.3	76.5	72.3
97.5°	2592.8	2465.6	2338.5	1996.1	1581.9	1176.8	780.8	438.2	256.0	73.7	69.7
100°	2425.4	2292.0	2158.6	1834.0	1445.6	1064.1	689.4	371.2	222.2	73.3	68.6
102.5°	2248.2	2123.3	1998.4	1689.5	1319.2	958.2	606.5	312.9	193.3	73.7	67.8
105°	2074.5	1947.8	1821.1	1528.3	1180.0	846.0	526.3	262.9	168.6	74.3	67.3
107.5°	1893.5	1771.1	1648.7	1372.1	1044.0	738.3	454.9	223.6	149.0	74.3	66.4
110°	1711.7	1584.5	1457.3	1197.1	892.6	622.0	385.4	193.1	133.5	73.9	65.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	1512.2	1385.1	1257.9	1019.5	744.1	512.2	324.0	170.5	121.5	72.5	63.6
115°	1296.7	1175.5	1054.2	843.7	603.4	410.9	266.2	148.1	109.4	70.7	61.7
117.5°	1060.9	958.9	856.9	687.9	496.6	341.3	221.9	125.3	96.9	68.4	59.5
120°	810.5	736.5	662.5	541.1	404.1	286.0	187.0	107.5	86.4	65.4	57.0
122.5°	613.0	568.4	523.9	438.4	339.4	247.5	162.9	95.2	78.3	61.4	54.2
125°	485.6	460.9	436.1	370.1	290.3	214.3	142.3	84.8	71.3	57.8	51.6
127.5°	398.9	383.3	367.7	314.1	247.7	184.0	122.9	74.6	64.5	54.4	49.4
130°	329.8	319.7	309.6	262.8	203.9	150.4	102.1	64.3	57.8	51.2	47.3
132.5°	277.4	270.8	264.2	221.7	167.2	121.3	84.2	55.4	51.8	48.2	45.4
135°	236.4	228.7	221.0	183.6	136.3	98.6	70.5	49.0	47.3	45.6	43.9
137.5°	191.8	183.3	174.9	145.6	109.4	80.8	59.9	44.1	43.7	43.3	42.3
140°	149.9	143.1	136.3	114.1	86.8	65.9	51.4	40.5	40.7	40.9	40.6
142.5°	111.2	107.8	104.4	88.3	67.9	53.6	45.4	39.1	38.8	38.4	38.8
145°	81.3	79.0	76.6	66.5	53.7	45.5	42.0	39.0	37.3	35.7	37.2
147.5°	64.5	62.7	60.8	53.6	44.6	39.9	39.6	38.9	36.7	34.6	36.7
150°	53.2	51.3	49.5	44.4	38.2	36.1	38.1	39.1	37.0	35.0	37.1
152.5°	45.0	43.5	42.1	39.6	36.6	35.7	36.8	37.3	36.4	35.4	37.4
155°	38.6	37.2	35.8	35.5	35.5	35.6	35.7	35.8	35.8	35.9	37.8
157.5°	34.0	34.2	34.3	35.9	37.9	38.2	36.8	35.8	36.0	36.3	38.1
160°	35.2	35.6	36.0	37.2	38.7	38.7	37.2	36.2	36.4	36.7	38.4
162.5°	40.1	39.9	39.6	39.5	39.3	38.6	37.4	36.5	36.8	37.1	38.6
165°	41.3	40.7	40.2	39.0	37.7	37.0	36.9	36.9	37.2	37.5	38.9
167.5°	40.2	39.4	38.6	37.9	37.2	36.9	37.1	37.3	37.5	37.8	39.1
170°	37.9	37.6	37.4	37.4	37.5	37.6	37.7	37.8	37.9	38.1	39.2
172.5°	38.6	38.4	38.2	38.1	38.2	38.2	38.2	38.2	38.3	38.3	39.4
175°	39.4	39.2	39.0	38.9	38.9	38.8	38.7	38.6	38.6	38.6	39.5
177.5°	40.3	40.1	39.9	39.8	39.7	39.5	39.2	39.0	38.9	38.8	39.5
180°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6





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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
0°	2635.4	2635.4	2635.4	2635.4	2635.4	2635.4	2635.4	2635.4
2.5°	2523.8	2502.9	2487.3	2470.4	2452.3	2441.5	2452.3	2463.2
5°	2501.5	2436.5	2367.2	2304.8	2249.3	2205.6	2196.8	2187.9
7.5°	2388.4	2280.5	2172.2	2083.2	2013.6	1954.6	1927.5	1900.3
10°	2277.9	2133.1	1985.6	1858.4	1751.6	1661.8	1623.1	1584.4
12.5°	2166.6	1974.4	1782.3	1614.0	1469.6	1352.1	1315.2	1278.4
15°	2037.3	1797.9	1559.0	1361.0	1203.8	1075.4	1033.1	990.7
17.5°	1910.3	1632.9	1356.0	1131.6	959.7	816.4	758.9	701.5
20°	1760.8	1456.6	1156.9	909.3	713.8	552.7	494.8	436.9
22.5°	1604.5	1275.3	956.9	706.5	524.2	380.8	354.5	328.2
25°	1459.0	1105.9	770.0	540.0	415.9	320.0	308.2	296.5
27.5°	1310.8	955.4	626.4	425.8	353.7	297.7	290.1	282.4
30°	1173.3	831.1	531.7	360.4	317.3	283.7	278.6	273.6
32.5°	1081.6	756.7	481.1	328.3	298.2	275.4	274.1	272.8
35°	956.1	661.5	429.4	303.5	283.6	268.4	267.3	266.2
37.5°	835.4	572.4	385.8	284.6	268.7	255.8	252.0	248.2
40°	722.8	490.6	347.3	267.3	250.6	236.7	230.8	224.9
42.5°	635.9	427.7	315.9	250.4	231.2	215.2	208.6	202.0
45°	549.7	364.7	284.1	233.5	213.2	196.0	188.2	180.5
47.5°	494.5	326.8	259.7	215.6	194.5	176.9	169.7	162.6
50°	455.3	299.0	238.1	197.1	176.0	159.6	157.6	155.6
52.5°	422.6	276.5	218.2	178.9	158.6	144.2	147.7	151.1
55°	395.0	258.0	199.4	160.8	142.2	129.5	134.4	139.3
57.5°	368.3	240.4	181.4	143.7	127.2	115.3	117.4	119.5
60°	340.9	222.9	164.3	127.5	112.6	101.1	99.6	98.0
62.5°	311.4	205.1	147.5	111.7	97.6	86.0	82.3	78.5
65°	278.8	185.6	130.5	95.0	79.1	66.3	62.6	58.9
67.5°	246.0	165.1	113.4	77.1	56.2	39.3	34.7	30.0
70°	212.1	143.5	96.4	63.4	44.5	30.4	30.6	30.9
72.5°	180.6	123.4	80.7	53.1	40.6	31.2	31.6	31.9
75°	155.9	109.8	72.5	49.0	39.3	32.2	32.5	32.9
77.5°	133.9	97.5	66.0	46.4	38.7	33.1	33.6	34.0
80°	115.2	86.0	59.3	43.3	38.0	34.1	34.6	35.1
82.5°	101.0	77.1	54.5	41.3	37.6	35.0	35.6	36.1
85°	89.8	70.2	51.2	40.4	37.8	36.0	36.6	37.2
87.5°	81.7	65.7	49.1	39.8	38.1	37.0	37.6	38.3
90°	75.3	62.2	47.5	39.6	38.6	37.9	38.6	39.4
92.5°	71.2	59.9	46.6	39.7	39.1	38.8	39.6	40.4
95°	68.1	58.0	45.9	39.8	39.6	39.7	40.5	41.3
97.5°	65.6	56.3	45.3	39.9	40.2	40.6	41.4	42.2
100°	63.8	55.0	44.9	40.1	40.7	41.4	42.3	43.1
102.5°	62.0	53.6	44.5	40.3	41.3	42.2	43.1	43.9
105°	60.4	52.5	44.1	40.6	41.8	43.0	43.9	44.7
107.5°	58.5	51.1	44.0	41.1	42.5	43.8	44.6	45.5
110°	56.6	49.9	43.8	41.5	43.1	44.5	45.4	46.3



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°
112.5°	54.8	48.7	43.6	42.0	43.7	45.3	46.1	47.0
115°	52.6	47.4	43.4	42.4	44.3	46.0	46.9	47.7
117.5°	50.5	46.1	43.3	42.8	44.9	46.7	47.5	48.4
120°	48.6	45.1	43.2	43.3	45.5	47.3	48.2	49.0
122.5°	46.9	44.2	43.1	43.7	46.0	48.0	48.8	49.6
125°	45.4	43.6	43.2	44.2	46.6	48.5	49.3	50.1
127.5°	44.3	43.2	43.3	44.6	47.0	49.0	49.7	50.5
130°	43.4	42.8	43.4	45.0	47.4	49.4	50.2	50.9
132.5°	42.7	42.7	43.7	45.4	47.8	49.8	50.5	51.2
135°	42.1	42.6	43.9	45.7	48.1	50.0	50.7	51.4
137.5°	41.3	42.3	44.0	46.0	48.3	50.2	50.9	51.6
140°	40.3	41.9	44.0	46.2	48.4	50.3	50.9	51.6
142.5°	39.2	41.3	44.0	46.4	48.5	50.2	50.9	51.6
145°	38.7	41.2	44.0	46.4	48.4	50.1	50.8	51.4
147.5°	38.8	41.4	44.1	46.4	48.3	49.8	50.4	51.1
150°	39.1	41.6	44.1	46.3	48.1	49.5	50.1	50.7
152.5°	39.4	41.7	44.1	46.1	47.8	49.1	49.6	50.1
155°	39.6	41.8	44.0	45.9	47.4	48.6	49.0	49.5
157.5°	39.9	41.8	43.9	45.6	46.9	48.0	48.4	48.8
160°	40.0	41.9	43.8	45.3	46.5	47.5	47.8	48.2
162.5°	40.2	41.8	43.5	44.9	46.0	46.8	47.1	47.4
165°	40.3	41.8	43.3	44.5	45.5	46.2	46.4	46.6
167.5°	40.4	41.7	43.0	44.1	44.8	45.5	45.6	45.8
170°	40.4	41.5	42.7	43.6	44.2	44.7	44.8	44.9
172.5°	40.4	41.4	42.4	43.1	43.6	44.0	44.0	44.0
175°	40.3	41.2	42.0	42.6	43.0	43.3	43.2	43.2
177.5°	40.2	40.9	41.6	42.1	42.4	42.5	42.4	42.2
180°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6

(END OF REPORT)