

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: STREETWORKS

Report Number: P147578

Luminaire Tested: **AVS-E03-LED-E-U-5MQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147578
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E03-LED-E-U-5MQ-8030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8162.5 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 75.2
Input Voltage (V): NR
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: 28.75 FT

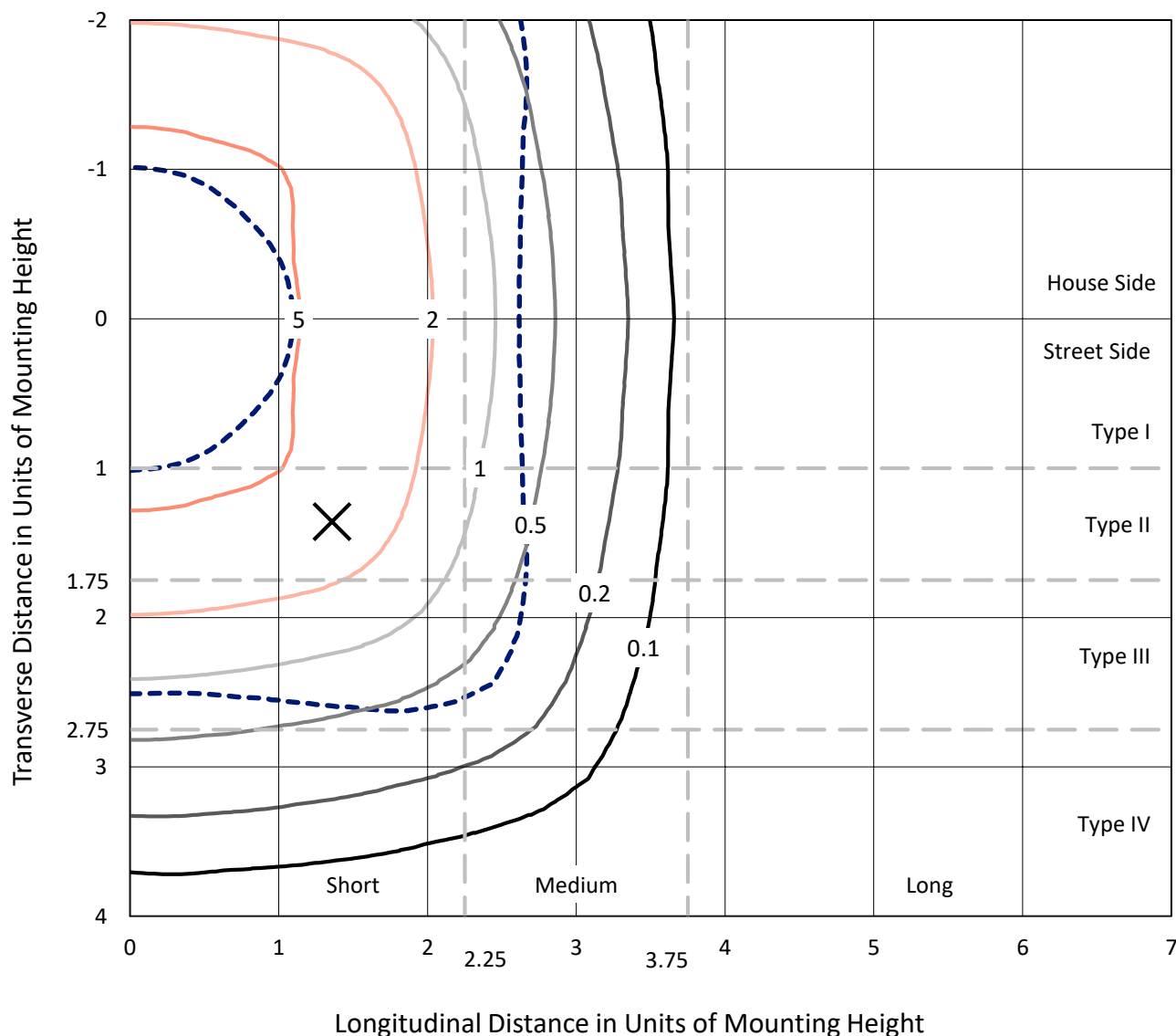


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

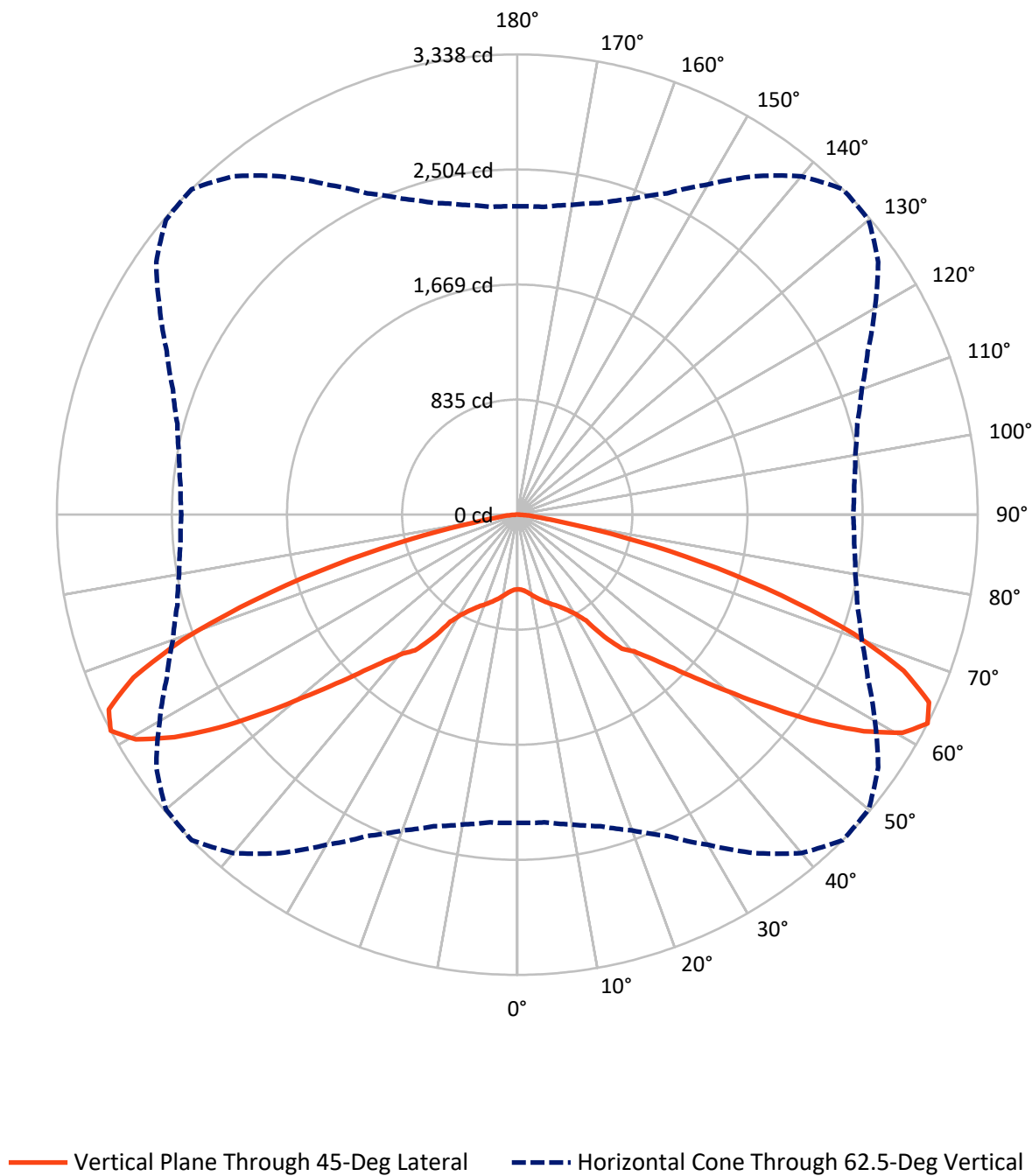


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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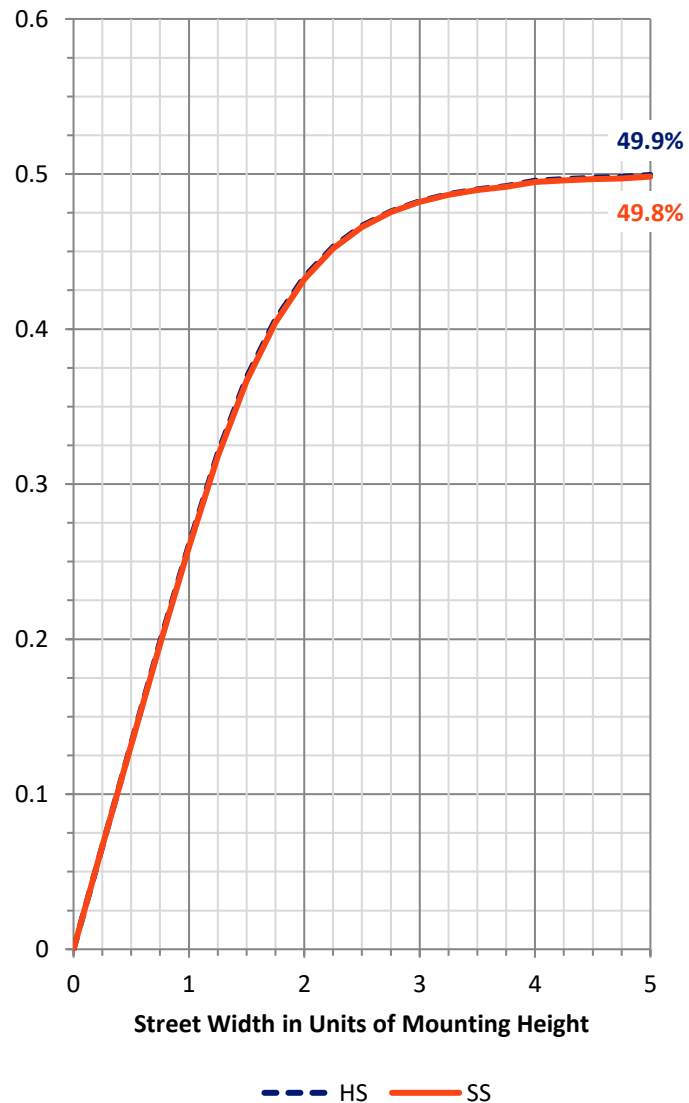
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4081.2	0.0	4081.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4081.2	0.0	4081.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	8162.5	0.0	8162.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	0.7
10°-20°	183.6	2.2
20°-30°	354.9	4.3
30°-40°	687.1	8.4
40°-50°	1240.7	15.2
50°-60°	2157.4	26.4
60°-70°	2449.2	30.0
70°-80°	949.6	11.6
80°-90°	85.7	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8162.5	100.0
0°-180°	8162.5	100.0

Coefficient of Utilization



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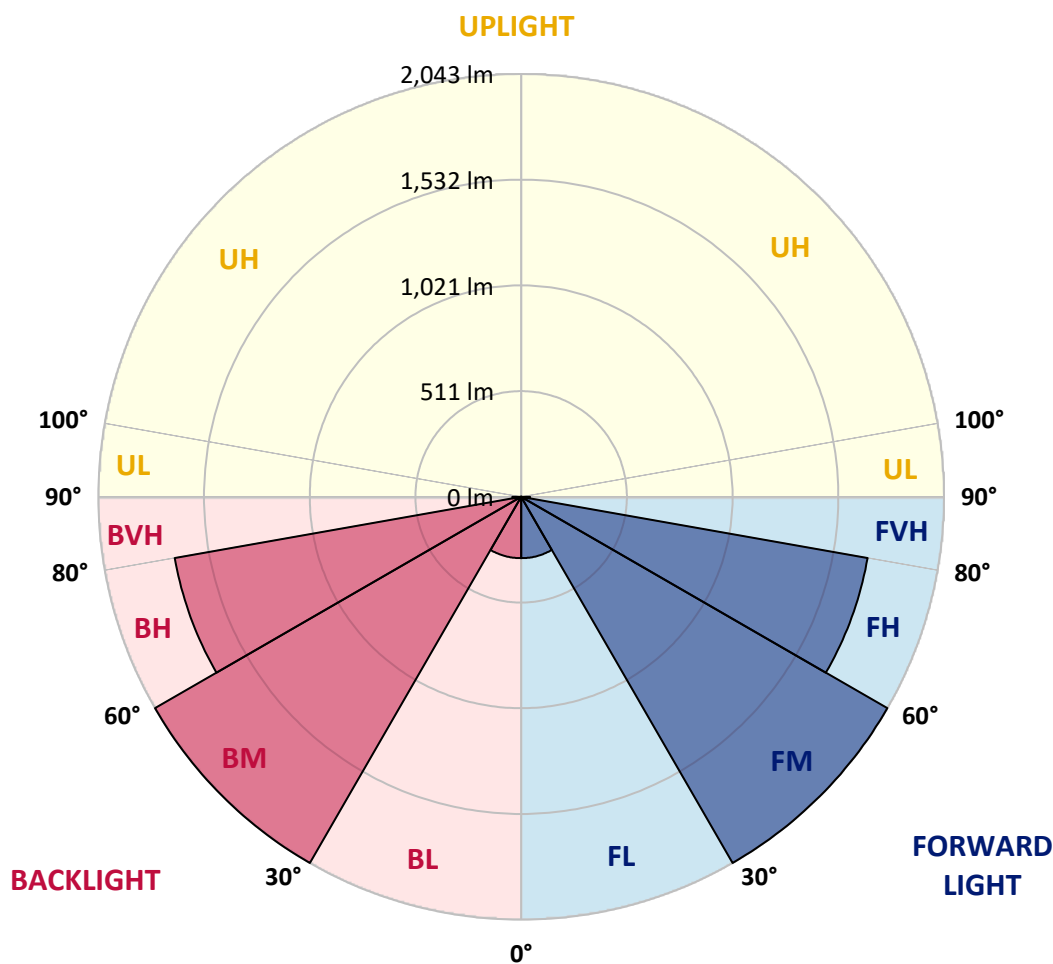
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.4	3.6			
FM	(30°-60°)	2042.6	25.0			
FH	(60°-80°)	1699.4	20.8			G1/1800
FVH	(80°-90°)	42.8	0.5			G1/100
BL	(0°-30°)	296.4	3.6	B1/500		
BM	(30°-60°)	2042.6	25.0	B2/2500		
BH	(60°-80°)	1699.4	20.8	B3/2500		G1/1800
BVH	(80°-90°)	42.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	541.9	541.9	541.9	541.9	541.9	541.9	541.9	541.9	541.9	541.9	541.9
2.5°	545.3	546.9	546.5	545.7	545.7	545.7	545.3	544.0	543.5	544.4	545.2
5°	557.8	557.8	557.8	557.8	557.1	557.0	556.3	555.4	555.8	554.9	554.5
7.5°	577.3	576.0	576.0	575.5	575.5	574.7	573.5	571.8	572.2	571.8	571.3
10°	600.0	600.5	599.2	600.4	598.3	597.9	596.3	595.4	595.0	593.8	593.8
12.5°	627.6	626.3	626.3	625.4	624.6	623.7	621.1	620.7	619.1	618.2	617.0
15°	653.2	652.8	651.2	649.4	649.0	648.2	645.2	643.5	643.1	641.0	639.4
17.5°	679.0	678.1	676.1	675.2	673.6	672.2	669.6	667.2	665.9	665.1	663.0
20°	706.4	705.6	703.4	701.8	699.7	698.0	694.1	692.0	690.9	689.5	687.9
22.5°	740.6	739.0	735.5	732.5	727.9	726.2	721.1	718.2	716.2	714.4	713.6
25°	777.7	778.2	773.5	769.7	764.2	759.6	753.3	749.9	747.8	746.1	745.7
27.5°	824.1	824.6	820.3	814.9	806.4	801.5	793.0	788.8	787.4	785.7	785.3
30°	897.6	893.8	886.6	877.7	870.2	859.2	846.9	842.7	838.5	837.2	837.2
32.5°	1032.6	1030.5	1024.7	1002.7	992.5	969.7	948.2	936.0	922.1	915.3	911.1
35°	1127.2	1126.2	1121.7	1114.1	1107.8	1103.1	1090.5	1088.3	1085.8	1085.8	1089.1
37.5°	1196.8	1191.7	1190.9	1192.1	1190.5	1191.3	1201.5	1215.3	1227.2	1233.1	1232.2
40°	1299.7	1292.5	1296.8	1293.9	1289.9	1289.2	1292.6	1298.0	1303.5	1303.5	1302.3
42.5°	1434.4	1437.7	1439.4	1427.2	1419.2	1417.0	1425.1	1423.4	1428.9	1426.7	1421.2
45°	1634.4	1632.3	1629.3	1614.6	1602.0	1591.8	1593.9	1590.9	1591.3	1588.0	1583.7
47.5°	1836.1	1843.3	1831.1	1823.8	1809.5	1802.4	1808.3	1803.2	1812.8	1795.2	1786.7
50°	2031.9	2036.9	2032.7	2022.6	2022.6	2032.7	2039.9	2049.2	2062.8	2042.5	2012.0
52.5°	2192.2	2196.5	2202.9	2211.2	2231.9	2253.5	2283.8	2316.3	2342.1	2338.2	2303.6
55°	2290.2	2295.2	2305.7	2334.9	2372.0	2428.6	2497.4	2572.8	2631.9	2660.7	2635.4
57.5°	2323.1	2326.8	2355.6	2390.7	2448.5	2532.4	2647.6	2778.0	2891.5	2963.7	2952.3
60°	2315.4	2315.4	2344.7	2392.7	2473.8	2585.2	2748.0	2928.7	3102.5	3210.6	3194.5
62.5°	2235.8	2240.0	2281.8	2339.6	2437.4	2570.8	2764.9	2995.8	3203.7	3338.0	3324.9
65°	2061.0	2063.9	2109.2	2177.9	2287.2	2445.0	2657.3	2913.0	3151.4	3280.6	3256.2
67.5°	1778.8	1781.7	1818.4	1896.0	2011.6	2176.7	2405.8	2687.3	2920.6	3022.8	2949.3
70°	1414.9	1423.4	1447.0	1529.3	1617.1	1778.7	1989.7	2271.2	2491.5	2588.1	2507.2
72.5°	964.2	985.7	1014.5	1087.5	1171.4	1305.7	1473.6	1710.8	1887.7	1999.5	1927.3
75°	543.1	573.5	582.4	637.6	706.9	812.8	935.5	1105.6	1284.1	1374.9	1287.9
77.5°	234.6	259.5	270.5	296.2	350.3	394.6	469.2	584.0	722.1	785.7	681.6
80°	115.6	121.6	126.2	134.2	149.4	163.7	199.2	249.3	305.9	320.2	254.9
82.5°	89.4	93.7	101.7	108.0	111.8	115.6	119.0	125.8	131.2	134.2	126.6
85°	62.9	68.4	77.2	84.4	88.6	91.6	94.5	96.6	91.6	83.5	87.8
87.5°	16.4	21.6	30.1	32.5	36.7	38.9	37.9	39.2	35.4	25.7	28.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	541.9	541.9	541.9	541.9	541.9	541.9	541.9	541.9
2.5°	544.8	544.4	544.9	544.8	544.8	544.5	544.4	544.4
5°	554.5	554.5	554.9	554.1	554.1	554.5	554.0	553.7
7.5°	571.0	570.6	570.6	570.2	570.6	570.2	570.2	569.7
10°	593.0	592.0	592.5	591.2	591.2	590.9	590.9	590.8
12.5°	616.6	615.2	615.8	614.4	612.3	612.6	613.2	612.7
15°	639.4	638.0	636.8	636.0	634.7	635.0	635.0	634.7
17.5°	662.6	660.0	659.6	658.2	657.9	657.8	657.8	658.3
20°	686.6	684.9	684.5	683.2	682.8	684.0	684.6	683.6
22.5°	712.3	711.5	712.3	711.5	712.7	713.6	714.0	713.2
25°	744.9	744.0	745.3	748.2	749.8	750.7	752.7	752.0
27.5°	786.6	785.7	788.7	793.0	795.5	799.7	801.9	802.6
30°	840.6	844.4	846.1	854.5	856.2	863.0	863.0	865.9
32.5°	919.2	926.2	939.0	952.0	970.2	983.2	983.2	990.1
35°	1091.3	1094.2	1103.9	1106.0	1109.8	1114.0	1109.8	1113.3
37.5°	1223.4	1210.3	1200.9	1188.0	1179.9	1179.9	1180.7	1179.9
40°	1290.9	1285.8	1281.7	1270.7	1269.0	1268.6	1268.6	1270.2
42.5°	1411.6	1399.4	1392.5	1383.3	1380.3	1379.5	1379.1	1379.9
45°	1568.5	1548.7	1530.6	1521.2	1513.3	1505.7	1508.2	1508.2
47.5°	1751.3	1720.4	1691.0	1674.8	1660.9	1654.7	1650.4	1649.1
50°	1973.7	1930.7	1892.6	1862.7	1842.5	1842.1	1844.1	1830.6
52.5°	2246.2	2178.3	2131.1	2090.6	2071.5	2069.4	2062.8	2055.1
55°	2548.4	2467.9	2389.7	2346.3	2321.3	2307.9	2299.9	2287.3
57.5°	2859.9	2751.4	2639.2	2569.5	2525.6	2495.2	2479.2	2472.0
60°	3100.0	2951.9	2803.7	2691.9	2618.9	2573.7	2545.9	2534.5
62.5°	3194.5	2993.6	2803.7	2656.9	2551.4	2488.9	2451.4	2434.9
65°	3081.9	2843.8	2627.8	2465.7	2348.0	2278.3	2237.5	2219.7
67.5°	2767.0	2556.9	2321.9	2160.6	2039.5	1970.8	1926.4	1913.4
70°	2319.7	2104.9	1880.4	1736.6	1628.5	1572.3	1526.3	1520.8
72.5°	1743.2	1557.9	1365.6	1246.5	1159.7	1066.8	1043.2	1055.0
75°	1117.5	944.0	772.6	665.5	586.1	497.5	463.4	471.8
77.5°	529.1	409.7	295.9	228.8	192.0	164.1	157.0	152.7
80°	196.3	159.1	140.5	133.4	128.3	123.6	120.2	116.5
82.5°	127.0	124.0	120.2	119.0	115.2	109.3	98.3	93.7
85°	94.9	94.9	89.8	90.4	87.4	79.8	69.6	64.1
87.5°	27.8	24.9	22.8	21.1	20.7	18.5	13.5	11.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)