

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: P147579

Luminaire Tested: **AVS-E03-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147579
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-7030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8833.3 lumens
Efficiency: N/A
Efficacy: 117.5 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 - G2

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



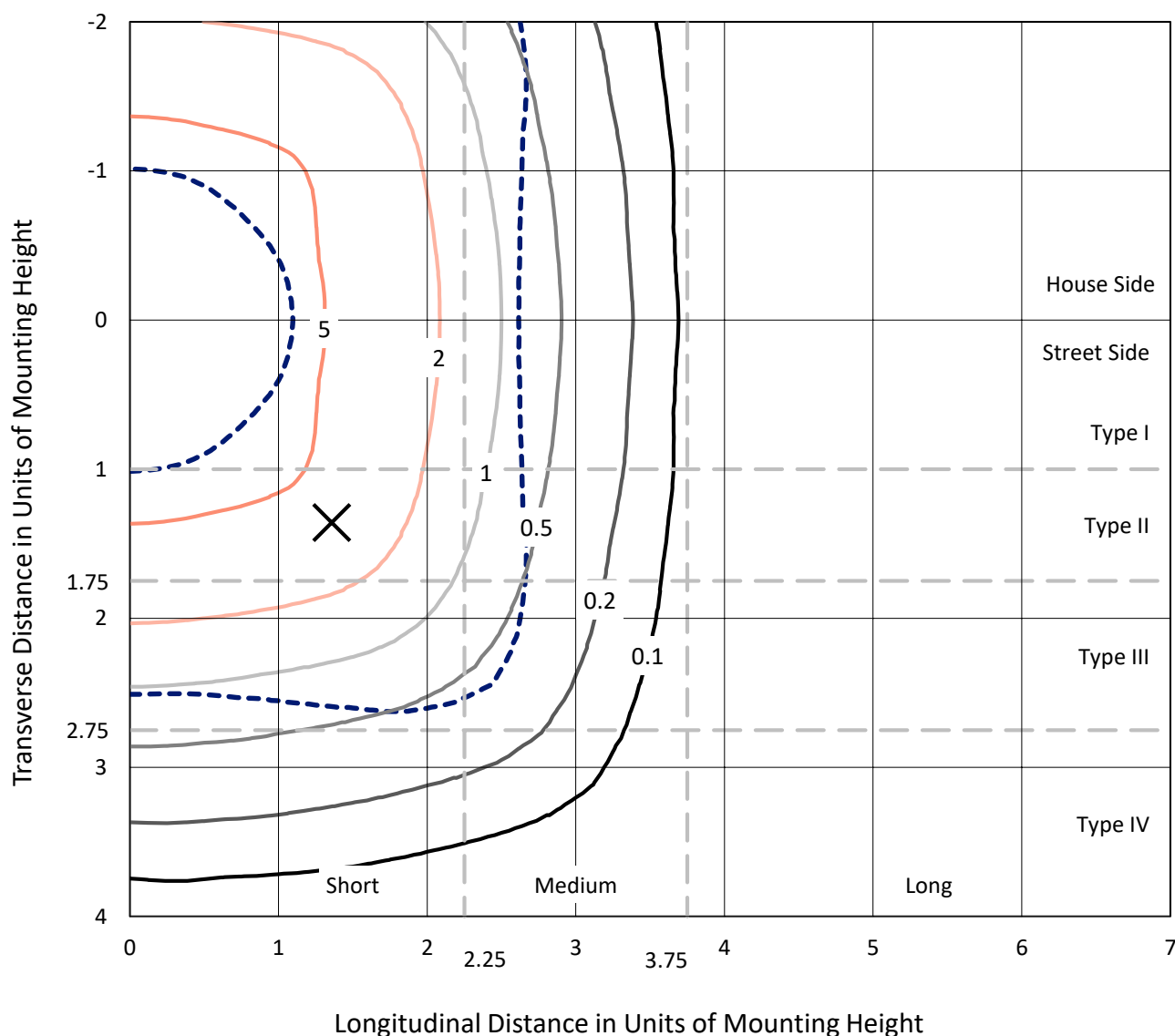
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

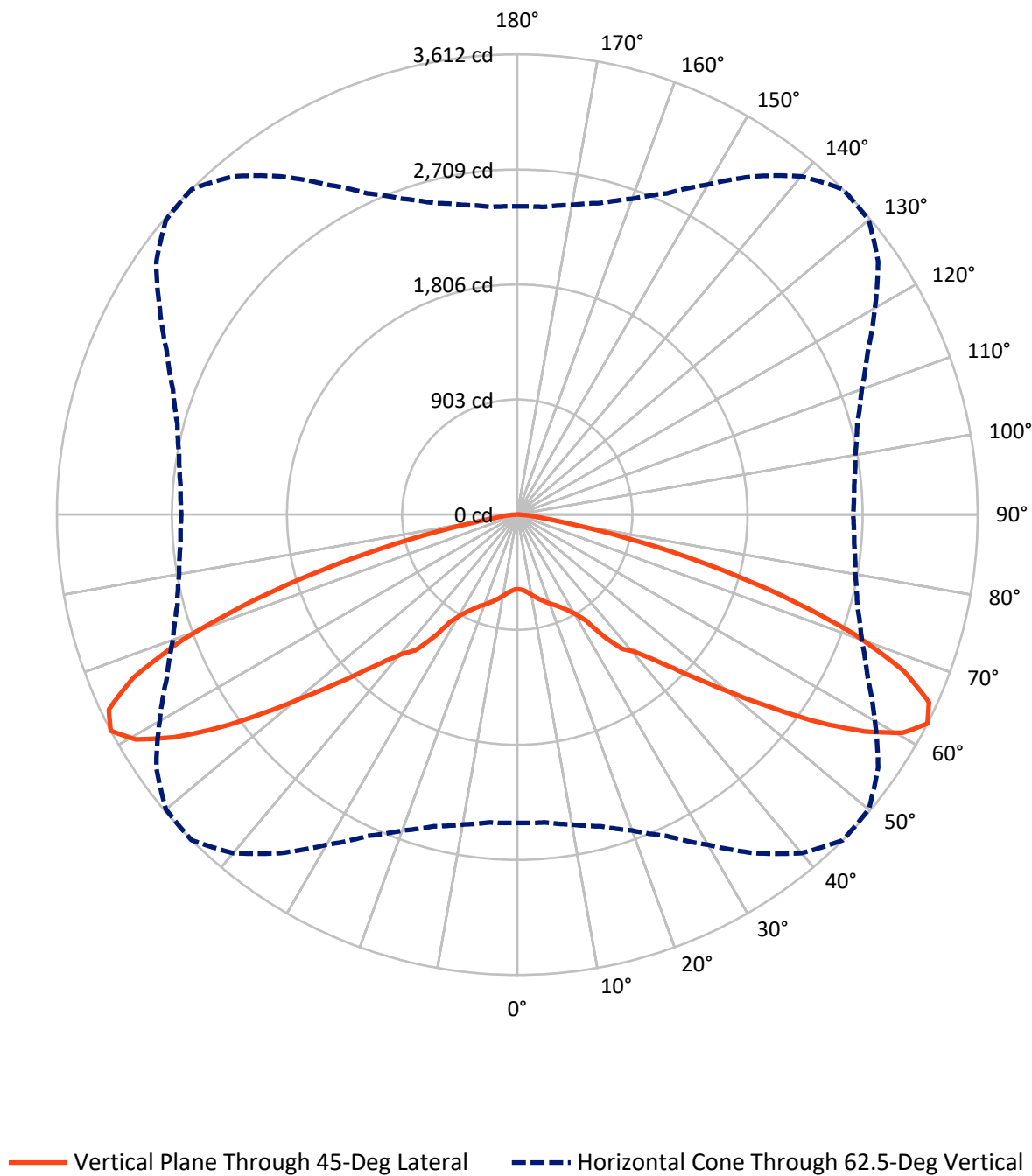


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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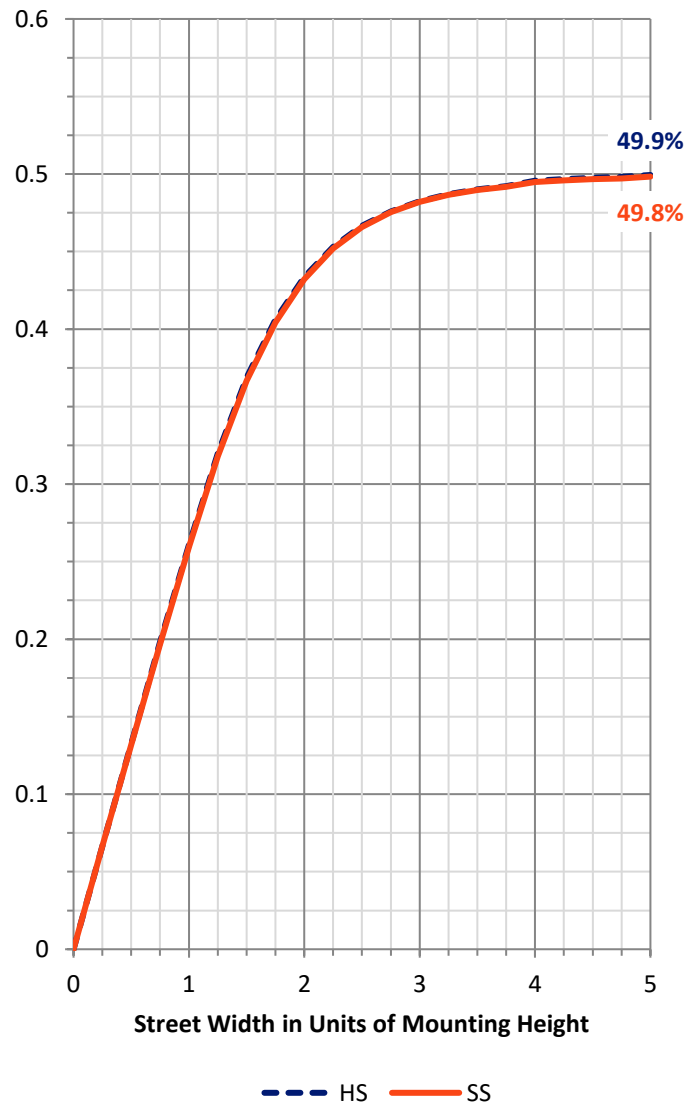
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4416.6	0.0	4416.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4416.6	0.0	4416.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8833.3	0.0	8833.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	0.7
10°-20°	198.6	2.2
20°-30°	384.1	4.3
30°-40°	743.6	8.4
40°-50°	1342.7	15.2
50°-60°	2334.7	26.4
60°-70°	2650.5	30.0
70°-80°	1027.6	11.6
80°-90°	92.7	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°	8833.3	100.0
0°-180°	8833.3	100.0

Coefficient of Utilization



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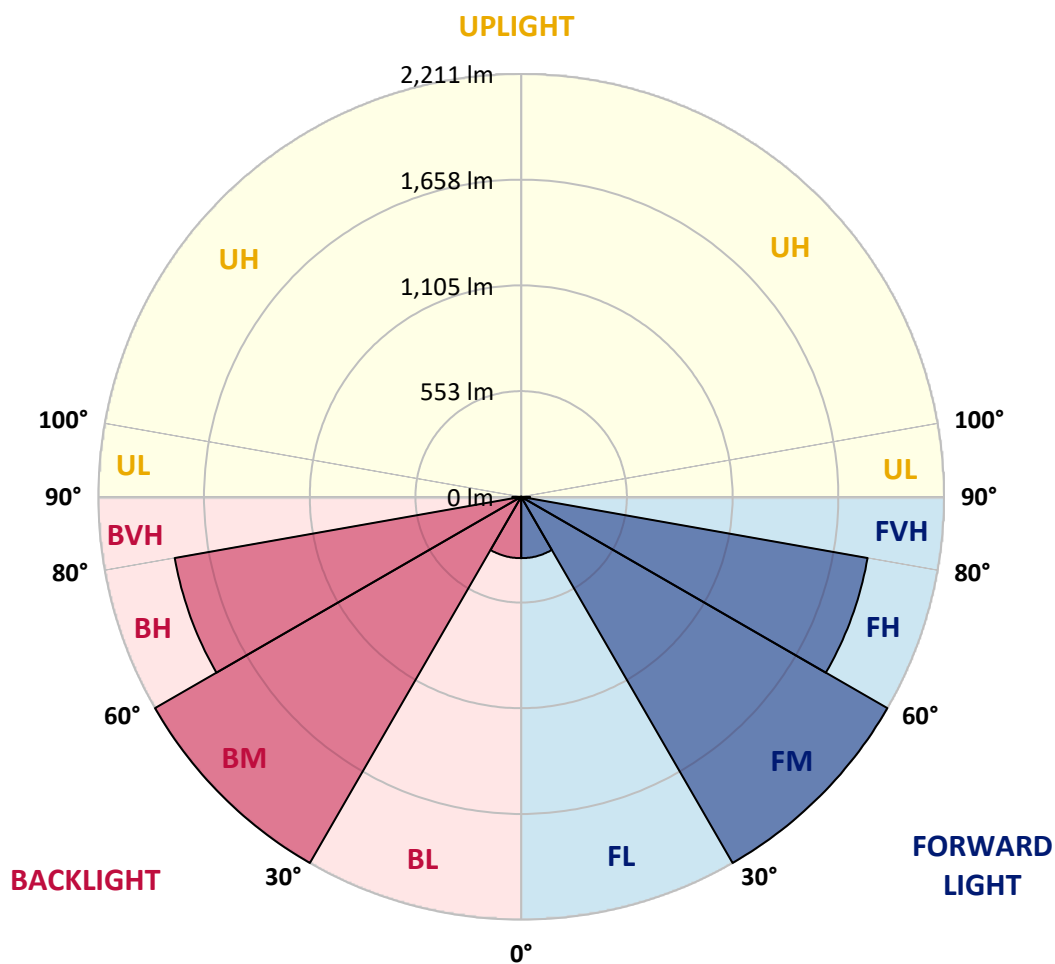
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	320.7	3.6			
FM	(30°-60°)	2210.5	25.0			
FH	(60°-80°)	1839.0	20.8			G2/5000
FVH	(80°-90°)	46.4	0.5			G1/100
BL	(0°-30°)	320.7	3.6	B1/500		
BM	(30°-60°)	2210.5	25.0	B2/2500		
BH	(60°-80°)	1839.0	20.8	B3/2500		G2/5000
BVH	(80°-90°)	46.4	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	586.3	586.3	586.3	586.3	586.3	586.3	586.3	586.3	586.3	586.3	586.3
2.5°	590.1	591.9	591.4	590.5	590.5	590.5	590.1	588.6	588.2	589.1	590.1
5°	603.7	603.7	603.7	603.7	602.8	602.9	601.9	601.0	601.5	600.6	600.0
7.5°	624.8	623.4	623.4	622.9	622.9	622.0	620.6	618.8	619.3	618.8	618.3
10°	649.4	649.9	648.5	649.8	647.7	647.0	645.3	644.4	643.9	642.5	642.5
12.5°	679.2	677.7	677.7	676.8	675.9	675.0	672.2	671.7	669.9	669.1	667.7
15°	706.9	706.5	704.7	702.8	702.4	701.5	698.2	696.4	696.0	693.7	691.9
17.5°	734.7	733.9	731.6	730.7	728.9	727.5	724.7	722.1	720.6	719.7	717.5
20°	764.5	763.5	761.2	759.5	757.2	755.3	751.3	748.9	747.6	746.2	744.4
22.5°	801.5	799.6	796.1	792.7	787.8	785.9	780.5	777.2	774.9	773.1	772.2
25°	841.7	842.2	837.1	833.0	827.0	822.0	815.2	811.5	809.2	807.5	806.9
27.5°	891.9	892.3	887.8	881.9	872.7	867.2	858.1	853.5	852.2	850.4	849.9
30°	971.4	967.3	959.5	949.8	941.7	929.7	916.5	912.0	907.4	906.0	906.0
32.5°	1117.5	1115.2	1108.8	1085.1	1074.1	1049.4	1026.1	1012.8	997.8	990.5	985.9
35°	1219.7	1218.9	1213.9	1205.6	1198.8	1193.8	1180.1	1177.8	1175.0	1175.0	1178.7
37.5°	1295.1	1289.6	1288.7	1290.2	1288.3	1289.2	1300.1	1315.2	1328.0	1334.4	1333.5
40°	1406.6	1398.8	1403.3	1400.2	1396.1	1395.1	1398.8	1404.8	1410.7	1410.6	1409.3
42.5°	1552.2	1555.9	1557.7	1544.5	1535.9	1533.5	1542.2	1540.3	1546.3	1544.0	1538.0
45°	1768.7	1766.4	1763.2	1747.3	1733.5	1722.6	1724.9	1721.7	1722.1	1718.4	1714.0
47.5°	1986.9	1994.8	1981.6	1973.8	1958.1	1950.5	1956.9	1951.4	1961.9	1942.7	1933.5
50°	2198.9	2204.4	2199.8	2188.8	2188.8	2199.8	2207.6	2217.6	2232.2	2210.4	2177.4
52.5°	2372.4	2377.0	2383.8	2393.0	2415.3	2438.7	2471.5	2506.7	2534.5	2530.4	2493.1
55°	2478.3	2483.8	2495.2	2526.8	2567.0	2628.2	2702.6	2784.4	2848.3	2879.4	2851.9
57.5°	2514.0	2518.1	2549.2	2587.2	2649.5	2740.5	2865.2	3006.2	3129.1	3207.3	3194.9
60°	2505.8	2505.8	2537.2	2589.3	2677.1	2797.6	2973.9	3169.3	3357.5	3474.4	3457.0
62.5°	2419.5	2423.9	2469.2	2531.8	2637.7	2782.1	2992.1	3241.9	3467.2	3612.2	3598.1
65°	2230.4	2233.6	2282.5	2356.9	2475.2	2646.0	2875.6	3152.4	3410.5	3550.2	3523.7
67.5°	1924.9	1928.1	1967.8	2051.8	2177.0	2355.5	2603.5	2908.2	3160.6	3271.1	3191.7
70°	1531.2	1540.3	1565.9	1654.9	1749.9	1924.9	2153.2	2457.8	2696.3	2800.8	2713.1
72.5°	1043.5	1066.7	1097.8	1176.8	1267.8	1413.0	1594.7	1851.4	2042.7	2163.7	2085.6
75°	587.8	620.6	630.3	689.9	765.0	879.6	1012.4	1196.5	1389.6	1487.9	1393.8
77.5°	253.9	280.8	292.6	320.6	379.1	426.9	507.8	632.0	781.3	850.4	737.5
80°	125.2	131.5	136.6	145.2	161.7	177.2	215.5	269.8	331.1	346.6	275.9
82.5°	96.8	101.3	110.1	116.9	121.0	125.2	128.7	136.2	142.0	145.3	137.0
85°	68.0	74.0	83.5	91.3	96.0	99.1	102.4	104.6	99.1	90.4	95.0
87.5°	17.8	23.3	32.3	35.2	39.8	42.1	41.1	42.5	38.3	27.9	31.1
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°	586.3	586.3	586.3	586.3	586.3	586.3	586.3	586.3
2.5°	589.6	589.1	589.5	589.5	589.6	589.1	589.1	589.1
5°	600.1	600.0	600.6	599.6	599.6	600.0	599.6	599.2
7.5°	617.8	617.4	617.4	617.0	617.4	617.0	616.9	616.5
10°	641.7	640.7	641.2	639.8	639.8	639.4	639.4	639.4
12.5°	667.2	665.8	666.3	664.9	662.6	663.1	663.5	663.1
15°	691.8	690.5	689.1	688.2	686.8	687.3	687.3	686.8
17.5°	716.9	714.2	713.8	712.3	711.9	711.9	711.9	712.4
20°	743.0	741.1	740.7	739.4	738.9	740.3	740.7	739.8
22.5°	770.8	769.9	770.9	769.9	771.3	772.2	772.7	771.8
25°	806.0	805.2	806.4	809.7	811.6	812.4	814.7	813.8
27.5°	851.2	850.4	853.6	858.0	860.8	865.4	867.8	868.6
30°	909.6	913.8	915.6	924.8	926.6	933.9	933.9	937.1
32.5°	994.6	1002.4	1016.2	1030.3	1049.9	1064.0	1064.0	1071.4
35°	1180.9	1184.2	1194.6	1196.9	1201.0	1205.6	1201.1	1204.7
37.5°	1323.9	1309.7	1299.7	1285.6	1276.9	1276.9	1277.7	1276.9
40°	1397.0	1391.5	1386.9	1375.0	1373.3	1372.8	1372.7	1374.6
42.5°	1527.6	1514.4	1507.0	1497.0	1493.8	1492.8	1492.3	1493.4
45°	1697.4	1676.1	1656.4	1646.3	1637.6	1629.4	1632.1	1632.1
47.5°	1895.1	1861.9	1829.8	1812.5	1797.5	1790.7	1786.1	1784.7
50°	2135.9	2089.3	2048.2	2015.8	1993.8	1993.4	1995.6	1981.0
52.5°	2430.9	2357.3	2306.2	2262.4	2241.9	2239.5	2232.2	2224.0
55°	2757.8	2670.7	2586.1	2539.1	2512.1	2497.5	2488.9	2475.1
57.5°	3094.9	2977.5	2856.1	2780.7	2733.3	2700.3	2682.9	2675.2
60°	3354.7	3194.4	3034.2	2913.2	2834.2	2785.3	2755.1	2742.8
62.5°	3457.0	3239.6	3034.2	2875.2	2761.0	2693.5	2652.8	2635.0
65°	3335.1	3077.5	2843.7	2668.4	2540.9	2465.6	2421.3	2402.1
67.5°	2994.4	2766.9	2512.6	2338.2	2207.2	2132.6	2084.8	2070.6
70°	2510.3	2277.8	2034.9	1879.2	1762.3	1701.6	1651.8	1645.9
72.5°	1886.5	1686.0	1477.8	1349.0	1254.9	1154.4	1128.9	1141.7
75°	1209.3	1021.6	836.2	720.2	634.4	538.4	501.3	510.6
77.5°	572.6	443.4	320.1	247.5	207.8	177.6	169.8	165.3
80°	212.3	172.2	152.1	144.4	138.9	133.8	130.2	126.0
82.5°	137.4	134.3	130.2	128.8	124.8	118.3	106.4	101.3
85°	102.8	102.8	97.3	97.7	94.5	86.3	75.3	69.4
87.5°	30.2	26.9	24.7	22.8	22.4	20.1	14.6	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)