

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: P147585

Luminaire Tested: **AVS-F03-LED-E-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147585
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-F03-LED-E-U-5MQ
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7983.9 lumens
Efficiency: N/A
Efficacy: 102.0 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): 78.3
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

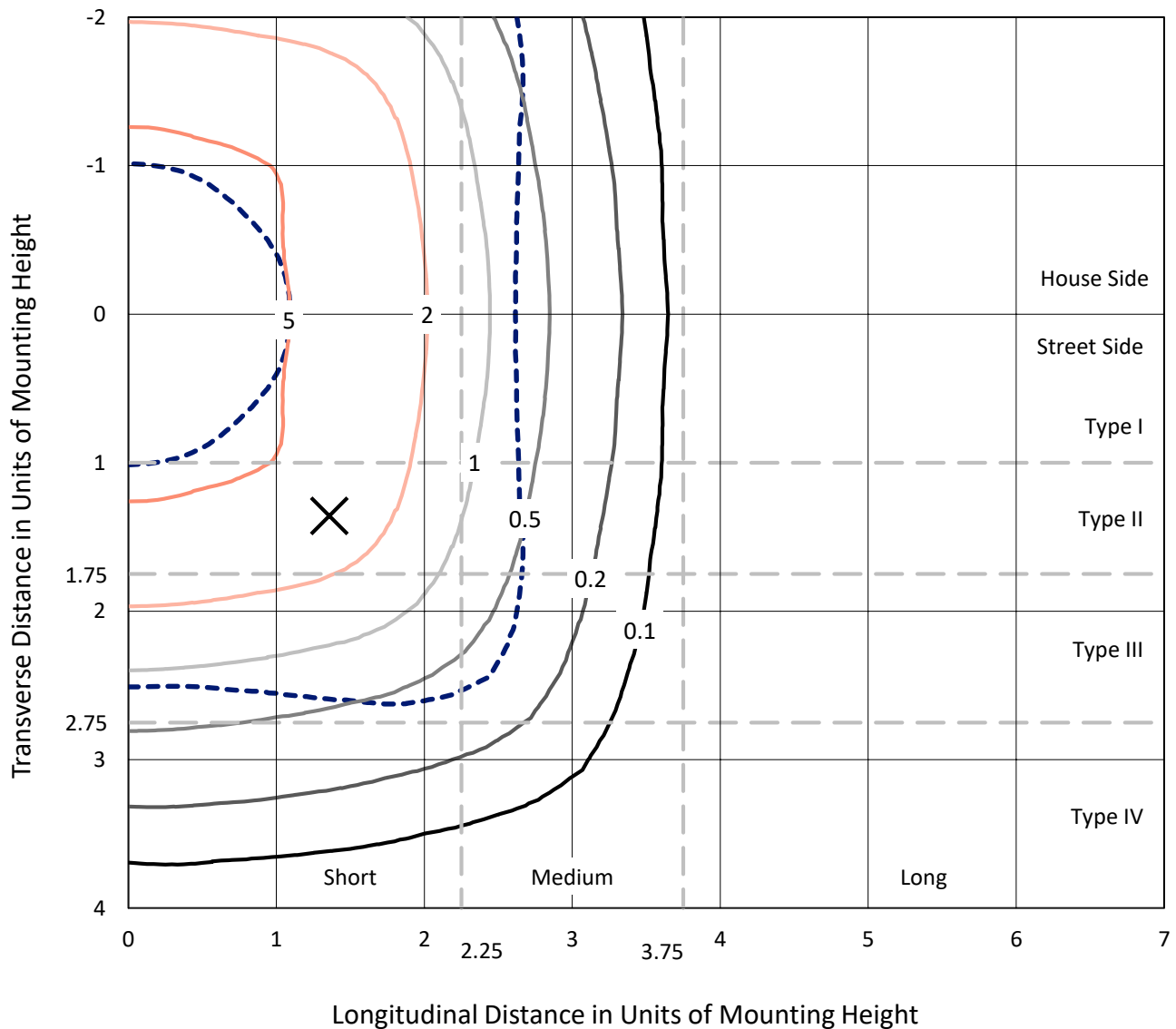


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

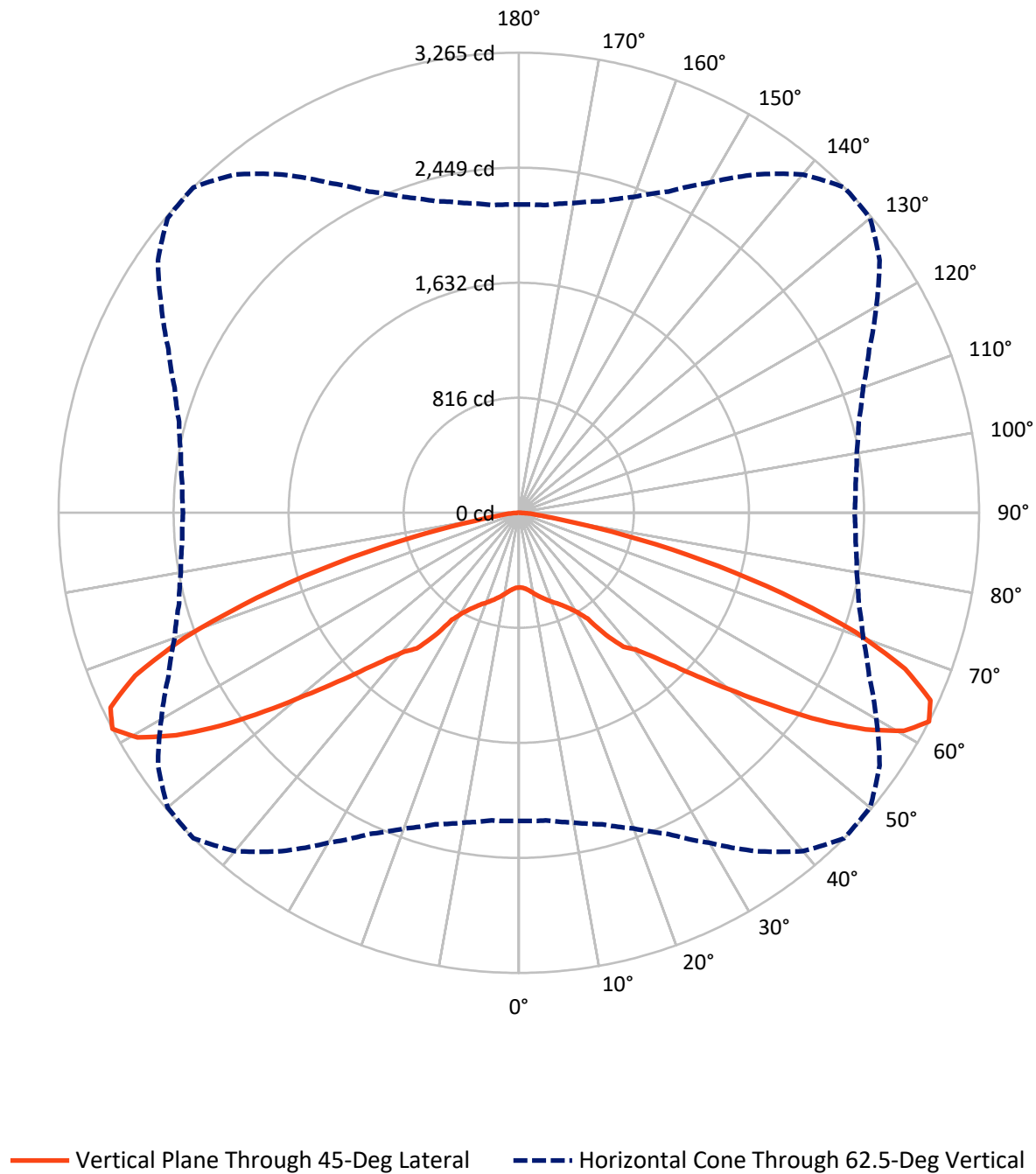


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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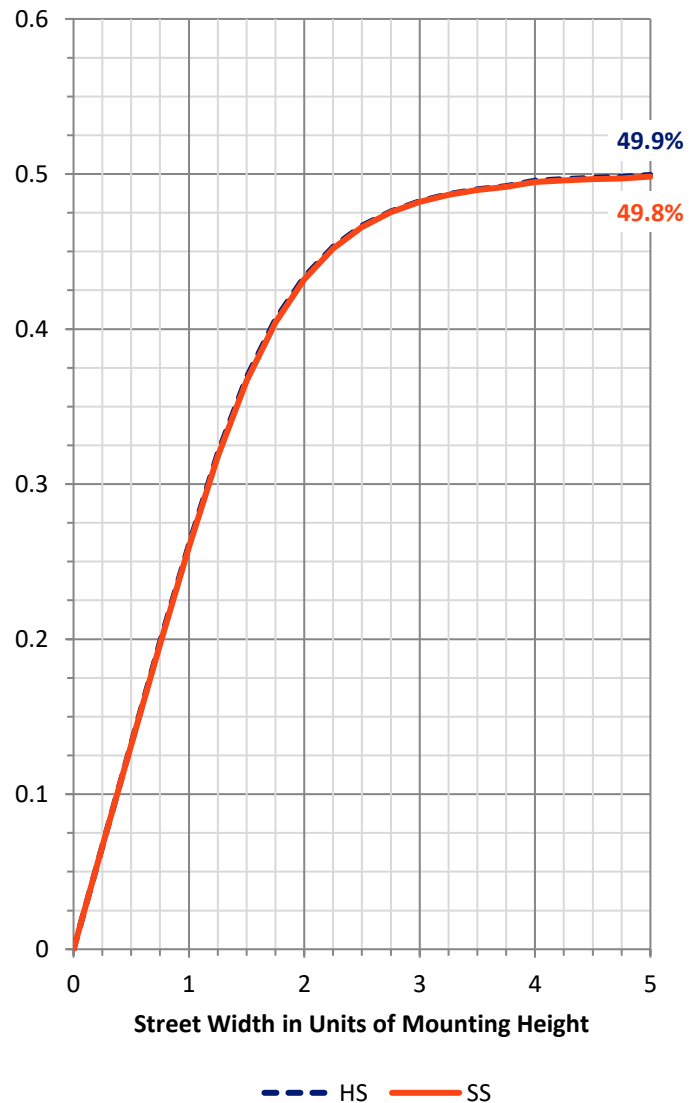
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3992.0	0.0	3992.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3992.0	0.0	3992.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7983.9	0.0	7983.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	0.7
10°-20°	179.5	2.2
20°-30°	347.1	4.3
30°-40°	672.1	8.4
40°-50°	1213.6	15.2
50°-60°	2110.2	26.4
60°-70°	2395.7	30.0
70°-80°	928.8	11.6
80°-90°	83.8	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°	7983.9	100.0
0°-180°	7983.9	100.0

Coefficient of Utilization



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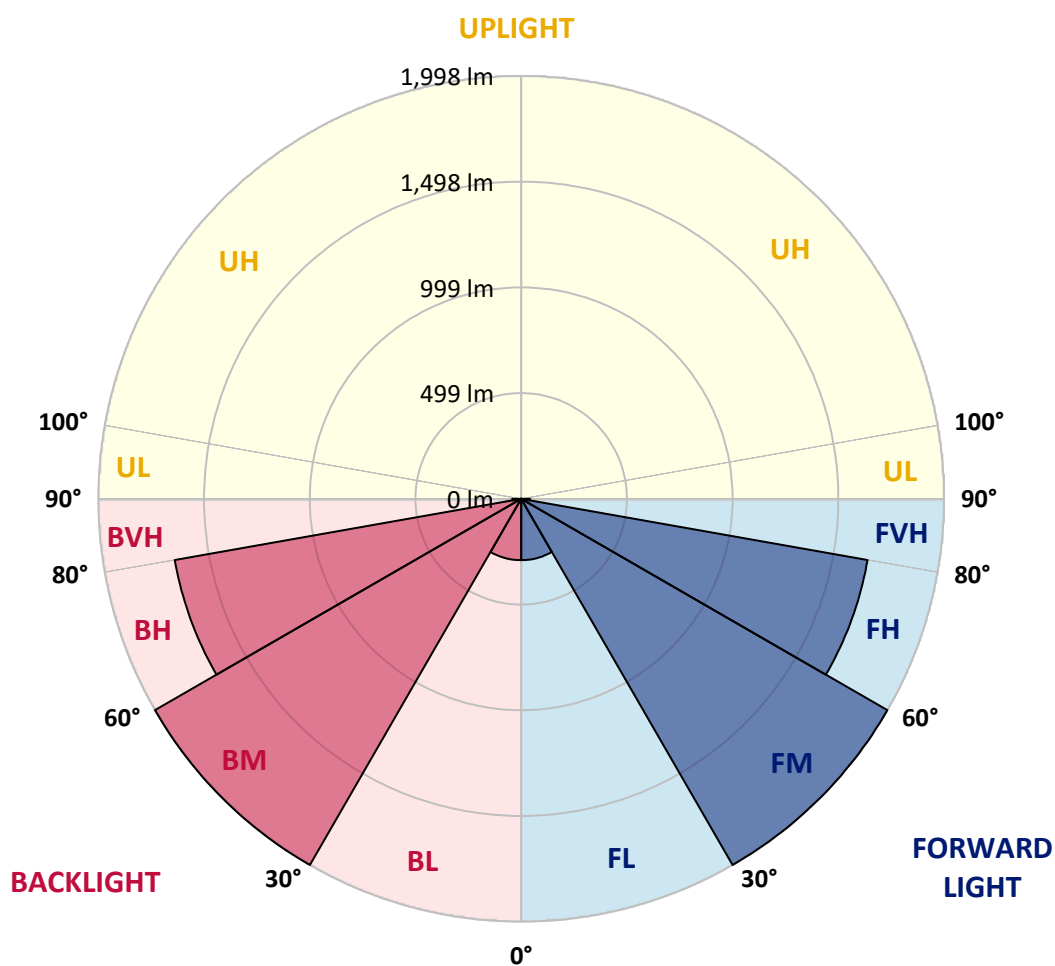
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.9	3.6			
FM	(30°-60°)	1998.0	25.0			
FH	(60°-80°)	1662.2	20.8			G1/1800
FVH	(80°-90°)	41.9	0.5			G1/100
BL	(0°-30°)	289.9	3.6	B1/500		
BM	(30°-60°)	1998.0	25.0	B2/2500		
BH	(60°-80°)	1662.2	20.8	B3/2500		G1/1800
BVH	(80°-90°)	41.9	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°	529.9	529.9	529.9	529.9	529.9	529.9	529.9	529.9	529.9	529.9	529.9
2.5°	533.3	534.9	534.5	533.7	533.7	533.7	533.3	532.0	531.6	532.4	533.3
5°	545.7	545.7	545.7	545.7	544.9	544.9	544.0	543.2	543.6	542.8	542.4
7.5°	564.7	563.4	563.4	563.0	563.0	562.3	561.0	559.4	559.7	559.3	558.9
10°	586.9	587.4	586.1	587.4	585.3	584.9	583.2	582.4	582.0	580.7	580.7
12.5°	613.8	612.5	612.5	611.7	610.9	610.1	607.7	607.3	605.6	604.8	603.5
15°	639.0	638.5	636.9	635.2	634.8	634.0	631.1	629.4	629.0	626.9	625.3
17.5°	664.1	663.3	661.2	660.4	658.9	657.6	655.1	652.6	651.4	650.6	648.5
20°	691.0	690.2	688.1	686.4	684.4	682.7	679.0	676.9	675.6	674.4	672.8
22.5°	724.4	722.7	719.4	716.6	712.0	710.4	705.5	702.6	700.5	698.9	698.0
25°	760.7	761.1	756.6	753.0	747.5	743.0	736.8	733.5	731.4	729.7	729.3
27.5°	806.1	806.5	802.4	797.1	788.8	783.8	775.5	771.4	770.3	768.6	768.1
30°	877.9	874.2	867.3	858.5	851.1	840.3	828.4	824.2	820.1	818.9	818.9
32.5°	1010.1	1008.0	1002.2	980.7	970.8	948.5	927.5	915.4	901.9	895.3	891.2
35°	1102.5	1101.7	1097.2	1089.7	1083.5	1079.0	1066.5	1064.5	1062.1	1062.1	1065.4
37.5°	1170.6	1165.6	1164.8	1166.0	1164.4	1165.2	1175.1	1188.8	1200.3	1206.1	1205.3
40°	1271.3	1264.4	1268.4	1265.5	1261.8	1260.9	1264.2	1269.6	1275.0	1275.0	1273.8
42.5°	1402.9	1406.3	1407.9	1396.0	1388.2	1386.1	1394.0	1392.2	1397.6	1395.5	1390.3
45°	1598.5	1596.6	1593.7	1579.3	1566.8	1556.9	1559.0	1556.1	1556.5	1553.3	1549.0
47.5°	1796.0	1802.9	1791.0	1784.0	1769.9	1762.9	1768.7	1763.7	1773.3	1755.9	1747.6
50°	1987.5	1992.3	1988.3	1978.4	1978.3	1988.3	1995.2	2004.4	2017.6	1997.7	1968.1
52.5°	2144.2	2148.4	2154.6	2162.9	2183.1	2204.1	2233.9	2265.7	2290.8	2287.2	2253.3
55°	2240.1	2245.0	2255.3	2283.8	2320.1	2375.5	2442.7	2516.7	2574.4	2602.5	2577.7
57.5°	2272.2	2276.0	2304.0	2338.2	2394.8	2477.0	2589.6	2717.2	2828.3	2898.9	2887.7
60°	2264.9	2264.9	2293.3	2340.3	2419.7	2528.5	2688.0	2864.6	3034.6	3140.3	3124.6
62.5°	2186.8	2190.9	2231.8	2288.4	2384.0	2514.6	2704.5	2930.2	3133.7	3264.9	3252.1
65°	2016.0	2018.9	2063.0	2130.3	2237.1	2391.5	2599.2	2849.3	3082.5	3208.8	3184.9
67.5°	1739.8	1742.6	1778.7	1854.5	1967.7	2129.1	2353.2	2628.5	2856.8	2956.6	2884.8
70°	1384.0	1392.2	1415.3	1495.9	1581.8	1739.8	1946.1	2221.6	2436.9	2531.4	2452.2
72.5°	943.2	964.1	992.3	1063.6	1145.9	1277.1	1441.5	1673.4	1846.2	1955.6	1885.1
75°	531.2	561.0	569.6	623.6	691.4	794.9	915.1	1081.5	1256.1	1344.8	1259.7
77.5°	229.4	253.9	264.6	289.7	342.6	385.9	459.1	571.2	706.2	768.6	666.5
80°	113.2	119.0	123.4	131.2	146.1	160.2	194.8	243.9	299.3	313.3	249.3
82.5°	87.5	91.6	99.5	105.7	109.4	113.1	116.4	123.0	128.3	131.2	123.8
85°	61.6	66.9	75.5	82.5	86.6	89.5	92.4	94.5	89.5	81.8	85.9
87.5°	16.2	21.1	29.2	31.7	35.9	37.9	37.1	38.3	34.6	25.2	28.0
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°	529.9	529.9	529.9	529.9	529.9	529.9	529.9	529.9
2.5°	532.8	532.4	532.8	532.8	532.8	532.4	532.4	532.4
5°	542.4	542.4	542.8	542.0	542.0	542.4	542.0	541.6
7.5°	558.4	558.0	558.1	557.7	558.1	557.7	557.6	557.2
10°	579.9	579.1	579.5	578.2	578.2	577.9	577.8	577.8
12.5°	603.0	601.9	602.3	601.0	599.0	599.3	599.8	599.4
15°	625.3	624.0	622.8	622.0	620.7	621.1	621.2	620.8
17.5°	648.1	645.6	645.2	643.9	643.5	643.5	643.5	643.9
20°	671.6	669.9	669.4	668.2	667.8	669.1	669.5	668.7
22.5°	696.8	696.0	696.8	696.0	697.2	698.0	698.4	697.6
25°	728.5	727.7	728.9	731.8	733.5	734.3	736.4	735.5
27.5°	769.3	768.5	771.5	775.5	778.0	782.2	784.2	785.1
30°	822.2	825.9	827.6	835.9	837.5	844.1	844.1	846.9
32.5°	899.1	906.0	918.3	931.2	948.9	961.8	961.8	968.3
35°	1067.4	1070.3	1079.8	1081.9	1085.6	1089.7	1085.6	1088.9
37.5°	1196.6	1183.8	1174.7	1162.0	1154.1	1154.1	1154.8	1154.1
40°	1262.6	1257.7	1253.6	1242.8	1241.2	1240.8	1240.8	1242.4
42.5°	1380.7	1368.7	1362.1	1353.0	1350.1	1349.3	1348.9	1349.7
45°	1534.3	1514.8	1497.1	1488.1	1480.2	1472.7	1475.2	1475.2
47.5°	1713.0	1682.9	1654.0	1638.2	1624.7	1618.4	1614.3	1613.1
50°	1930.5	1888.4	1851.2	1822.0	1802.1	1801.7	1803.7	1790.6
52.5°	2197.1	2130.7	2084.5	2044.8	2026.3	2024.2	2017.6	2010.2
55°	2492.6	2413.9	2337.4	2294.9	2270.6	2257.4	2249.5	2237.2
57.5°	2797.3	2691.2	2581.5	2513.4	2470.5	2440.6	2425.0	2417.9
60°	3032.1	2887.3	2742.4	2633.0	2561.7	2517.4	2490.2	2479.1
62.5°	3124.6	2928.1	2742.4	2598.8	2495.5	2434.5	2397.7	2381.7
65°	3014.4	2781.6	2570.3	2411.8	2296.6	2228.5	2188.5	2171.1
67.5°	2706.5	2500.9	2271.1	2113.4	1994.9	1927.7	1884.2	1871.5
70°	2268.9	2058.9	1839.3	1698.4	1592.8	1538.0	1493.0	1487.6
72.5°	1705.1	1523.9	1335.8	1219.3	1134.3	1043.5	1020.3	1031.9
75°	1093.1	923.3	755.9	651.0	573.3	486.6	453.3	461.5
77.5°	517.6	400.8	289.3	223.6	187.8	160.6	153.6	149.4
80°	191.9	155.6	137.4	130.4	125.4	120.9	117.6	113.9
82.5°	124.2	121.3	117.7	116.5	112.7	106.9	96.2	91.6
85°	92.8	92.8	87.9	88.3	85.4	78.0	68.1	62.7
87.5°	27.3	24.4	22.3	20.6	20.2	18.1	13.2	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)