

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: INVUE

Report Number: P180137

Luminaire Tested: **ICS-E03-LED-E1-5WQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180137
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E03-LED-E1-5WQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7851.8 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-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: 25 FT



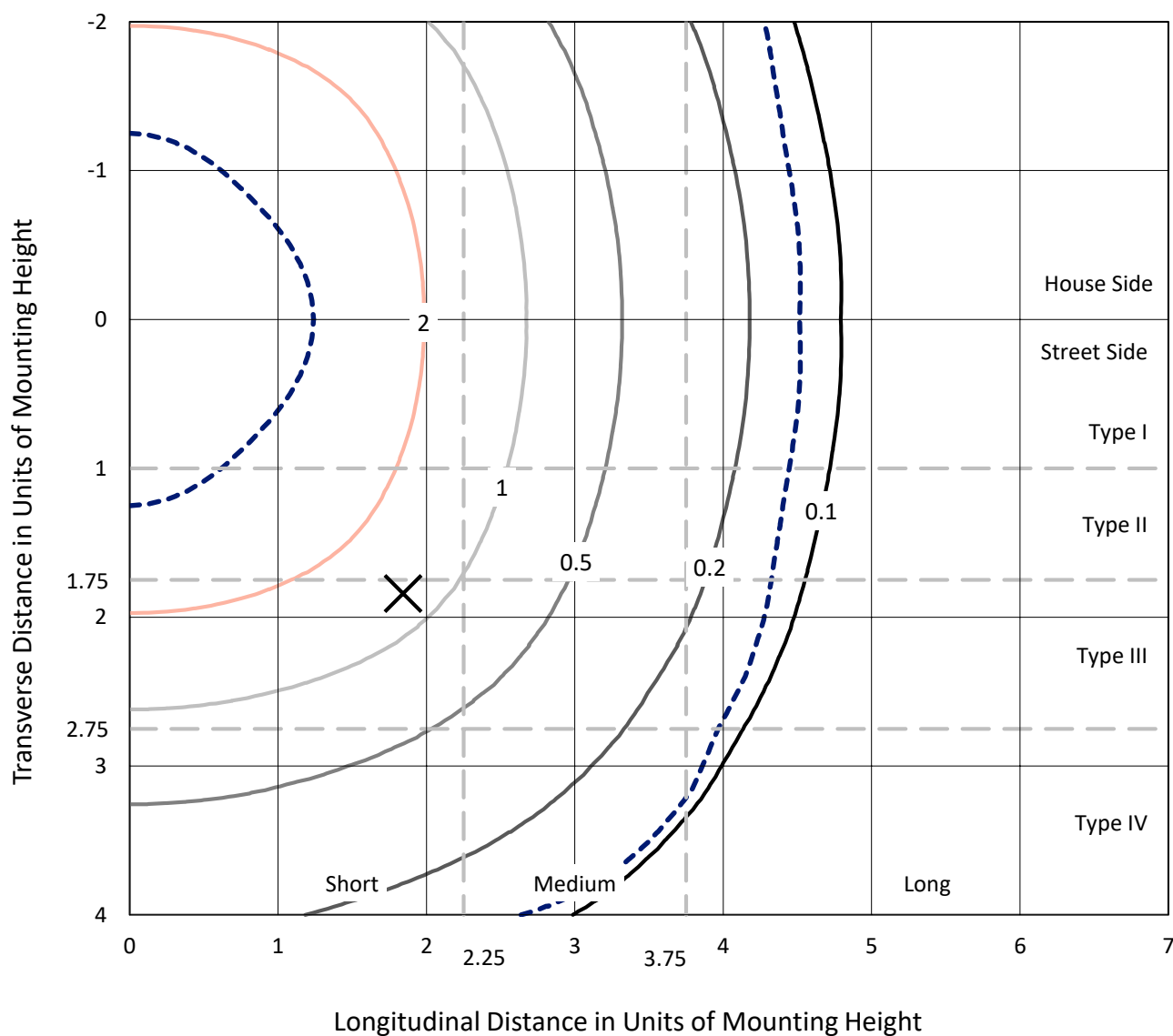
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

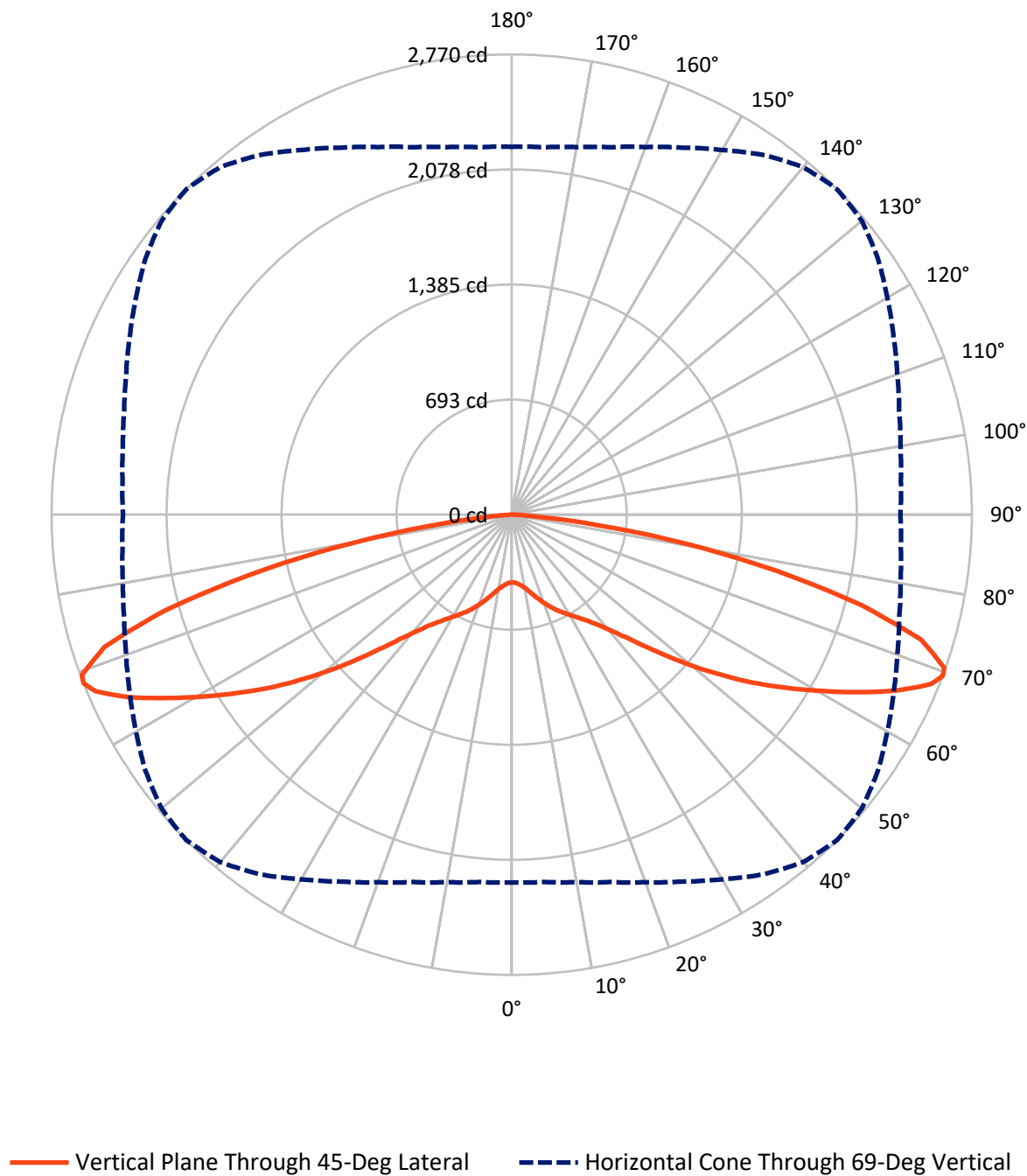


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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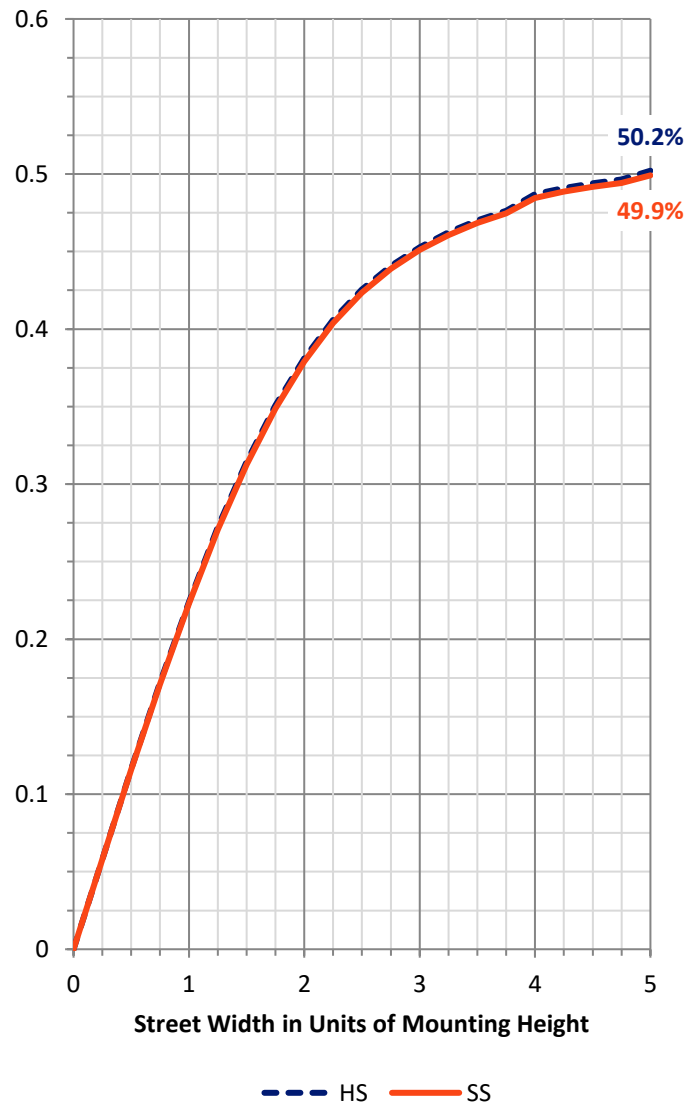
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3925.9	0.0	3925.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3925.9	0.0	3925.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7851.8	0.0	7851.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	0.5
10°-20°	144.6	1.8
20°-30°	292.7	3.7
30°-40°	490.8	6.3
40°-50°	865.8	11.0
50°-60°	1526.7	19.4
60°-70°	2330.9	29.7
70°-80°	1947.7	24.8
80°-90°	211.6	2.7
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°	7851.8	100.0
0°-180°	7851.8	100.0

Coefficient of Utilization



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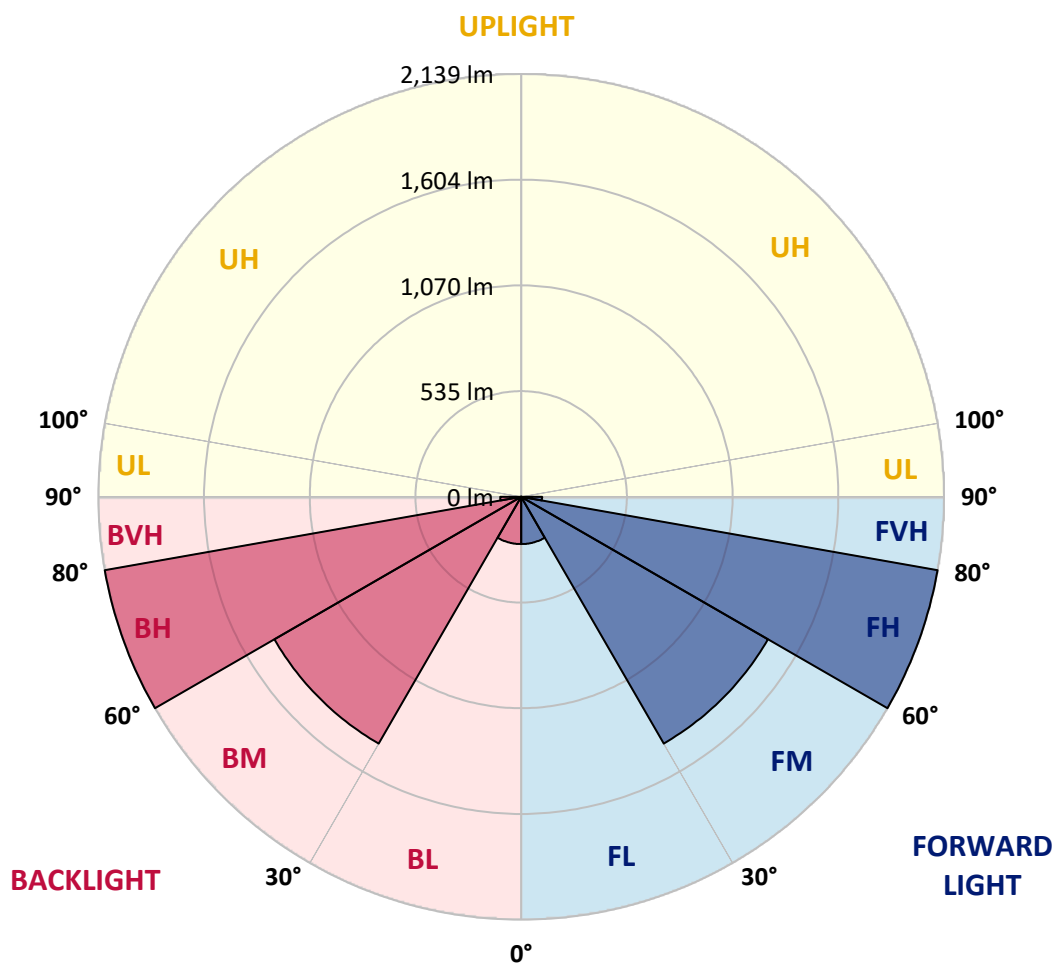
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	239.1	3.0			
FM	(30°-60°)	1441.7	18.4			
FH	(60°-80°)	2139.3	27.2			G2/5000
FVH	(80°-90°)	105.8	1.3			G2/225
BL	(0°-30°)	239.1	3.0	B1/500		
BM	(30°-60°)	1441.7	18.4	B2/2500		
BH	(60°-80°)	2139.3	27.2	B3/2500		G2/5000
BVH	(80°-90°)	105.8	1.3			G2/225
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°	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7
2.5°	411.0	411.9	411.0	411.0	411.0	411.0	411.0	410.2	410.2	410.2	411.0
5°	419.3	420.1	419.3	420.1	420.1	420.1	420.1	419.3	419.3	419.3	419.3
7.5°	432.4	432.4	432.4	433.2	432.4	432.4	433.2	432.4	432.4	432.4	432.4
10°	451.3	450.5	450.5	450.5	450.5	450.5	451.3	451.3	451.3	450.5	450.5
12.5°	474.3	473.5	474.3	474.3	475.2	475.2	475.2	475.2	475.2	475.2	474.3
15°	502.3	502.3	502.3	503.1	504.7	504.7	503.9	504.7	504.7	504.7	504.7
17.5°	533.5	535.2	533.5	534.3	535.2	534.3	536.0	536.8	537.6	536.8	534.3
20°	565.6	566.4	566.4	566.4	566.4	568.0	568.9	568.9	571.3	570.5	569.7
22.5°	596.0	597.6	597.6	598.5	598.5	600.9	600.9	600.9	602.6	604.2	602.6
25°	628.1	627.2	627.2	628.9	629.7	633.0	633.0	634.6	637.1	637.9	636.3
27.5°	656.8	656.0	656.0	658.5	659.3	663.4	663.4	666.7	668.3	669.2	667.5
30°	687.2	687.2	686.4	688.9	691.4	694.6	696.3	699.6	702.0	702.9	701.2
32.5°	723.4	721.8	722.6	724.2	725.9	729.2	731.6	735.7	739.0	739.9	738.2
35°	764.5	762.0	762.9	764.5	767.0	771.9	776.0	778.5	783.4	785.1	781.8
37.5°	809.7	810.6	809.7	813.8	817.9	823.7	828.6	831.9	836.9	839.3	836.9
40°	873.8	871.4	873.8	878.0	884.5	891.9	901.8	904.3	909.2	914.1	908.4
42.5°	956.9	955.2	961.0	964.3	971.7	979.9	992.2	998.8	1006.2	1009.5	1004.6
45°	1065.4	1065.4	1072.0	1072.8	1084.3	1095.0	1112.2	1120.5	1134.4	1134.4	1134.4
47.5°	1185.4	1190.3	1194.5	1202.7	1210.9	1230.6	1247.9	1266.0	1279.1	1280.8	1278.3
50°	1309.5	1314.5	1326.8	1338.3	1356.4	1381.1	1400.0	1423.8	1435.3	1445.2	1441.9
52.5°	1446.8	1447.6	1462.4	1477.2	1503.5	1530.7	1561.1	1585.8	1606.3	1615.3	1607.9
55°	1597.3	1598.9	1612.1	1627.7	1657.3	1688.5	1726.3	1751.8	1778.1	1794.6	1782.2
57.5°	1760.0	1760.9	1774.0	1792.9	1828.3	1859.5	1895.7	1931.8	1956.5	1971.3	1963.1
60°	1940.1	1944.2	1954.0	1977.9	2011.6	2044.5	2080.6	2112.7	2141.5	2157.1	2148.9
62.5°	2132.4	2136.5	2150.5	2169.4	2199.0	2235.2	2269.7	2310.8	2334.7	2351.9	2339.6
65°	2261.5	2268.9	2291.1	2316.6	2360.1	2407.0	2447.3	2503.2	2531.9	2552.5	2541.0
67.5°	2269.7	2273.8	2300.9	2339.6	2397.9	2468.6	2550.9	2638.0	2694.7	2721.8	2702.1
69°	2213.8	2219.6	2245.9	2289.4	2354.4	2436.6	2534.4	2642.9	2730.1	2770.3	2751.4
70°	2150.5	2162.8	2191.6	2239.3	2302.6	2388.9	2490.0	2605.9	2707.9	2762.9	2749.0
72.5°	2017.3	2020.6	2039.5	2077.3	2125.8	2197.4	2292.7	2402.1	2499.1	2578.0	2589.5
75°	1790.4	1801.1	1815.1	1840.6	1865.3	1917.0	1981.2	2056.0	2112.7	2173.5	2176.0
77.5°	1353.1	1385.2	1395.9	1401.6	1412.3	1453.4	1509.3	1574.2	1621.1	1631.0	1629.3
80°	607.5	650.2	660.1	707.0	735.7	804.0	889.5	988.9	1055.5	1062.9	1044.8
82.5°	119.2	127.4	148.8	185.8	253.2	293.5	349.4	419.3	483.4	520.4	498.2
85°	39.5	41.9	48.5	53.4	61.7	69.9	84.7	105.2	130.7	144.7	129.1
87.5°	15.6	15.6	18.1	19.7	21.4	21.4	21.4	19.7	18.9	15.6	14.0
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°	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7
2.5°	410.2	410.2	410.2	410.2	410.2	410.2	410.2	410.2
5°	419.3	418.4	418.4	417.6	417.6	417.6	417.6	417.6
7.5°	431.6	430.8	429.9	430.8	429.9	429.9	429.9	429.9
10°	450.5	448.8	448.0	447.2	447.2	447.2	446.4	446.4
12.5°	472.7	472.7	471.9	471.0	469.4	470.2	469.4	467.8
15°	503.1	501.5	500.6	499.8	498.2	498.2	498.2	497.3
17.5°	533.5	531.9	531.9	529.4	528.6	528.6	528.6	529.4
20°	567.2	564.8	563.1	561.5	559.8	560.6	559.0	560.6
22.5°	600.9	597.6	596.0	593.5	591.1	591.1	590.2	588.6
25°	633.8	629.7	628.1	625.6	622.3	622.3	620.7	619.0
27.5°	665.0	660.9	659.3	654.4	651.1	650.2	648.6	647.8
30°	699.6	694.6	692.2	687.2	682.3	681.5	679.0	679.0
32.5°	735.7	730.8	729.2	721.8	717.7	717.7	716.0	714.4
35°	781.0	773.6	771.9	764.5	758.8	758.8	757.1	757.9
37.5°	834.4	828.6	822.9	817.1	810.6	809.7	808.1	806.4
40°	905.9	899.3	892.8	884.5	878.8	877.1	874.7	873.8
42.5°	1001.3	994.7	981.5	975.0	969.2	964.3	963.5	962.6
45°	1122.9	1114.7	1105.7	1093.3	1085.9	1075.3	1073.6	1069.5
47.5°	1269.3	1253.6	1238.0	1227.3	1215.8	1203.5	1201.0	1194.5
50°	1424.6	1412.3	1386.0	1368.7	1350.6	1338.3	1330.1	1327.6
52.5°	1591.5	1568.5	1542.2	1519.2	1492.9	1476.4	1461.6	1457.5
55°	1765.8	1732.9	1700.0	1672.9	1646.6	1626.9	1612.9	1606.3
57.5°	1940.1	1903.9	1867.7	1838.1	1815.9	1790.4	1776.5	1773.2
60°	2121.7	2087.2	2050.2	2020.6	1993.5	1971.3	1963.1	1947.5
62.5°	2314.1	2277.9	2243.4	2214.6	2180.1	2164.5	2150.5	2141.5
65°	2503.2	2461.2	2417.7	2387.3	2352.7	2330.5	2313.3	2300.9
67.5°	2649.5	2586.2	2527.8	2476.9	2430.0	2395.5	2373.3	2361.8
69°	2690.6	2611.7	2536.9	2470.3	2415.2	2376.6	2351.9	2340.4
70°	2685.7	2598.5	2516.3	2443.2	2383.2	2342.0	2318.2	2296.8
72.5°	2533.6	2453.8	2362.6	2282.9	2228.6	2189.1	2165.3	2153.8
75°	2162.0	2108.6	2042.8	1981.2	1941.7	1918.7	1889.1	1889.9
77.5°	1574.2	1575.9	1531.5	1468.2	1423.8	1415.6	1402.4	1389.3
80°	976.6	898.5	847.5	779.3	729.2	685.6	666.7	625.6
82.5°	450.5	351.8	272.9	206.3	158.7	124.1	108.5	88.8
85°	100.3	76.5	63.3	51.0	43.6	40.3	32.9	30.4
87.5°	14.0	12.3	11.5	10.7	9.0	6.6	4.9	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)