

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: P147211

Luminaire Tested: **VXS-E06-LED-E1-5MQ-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147211
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E06-LED-E1-5MQ-7050
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (126) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19847.6 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 150.5
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

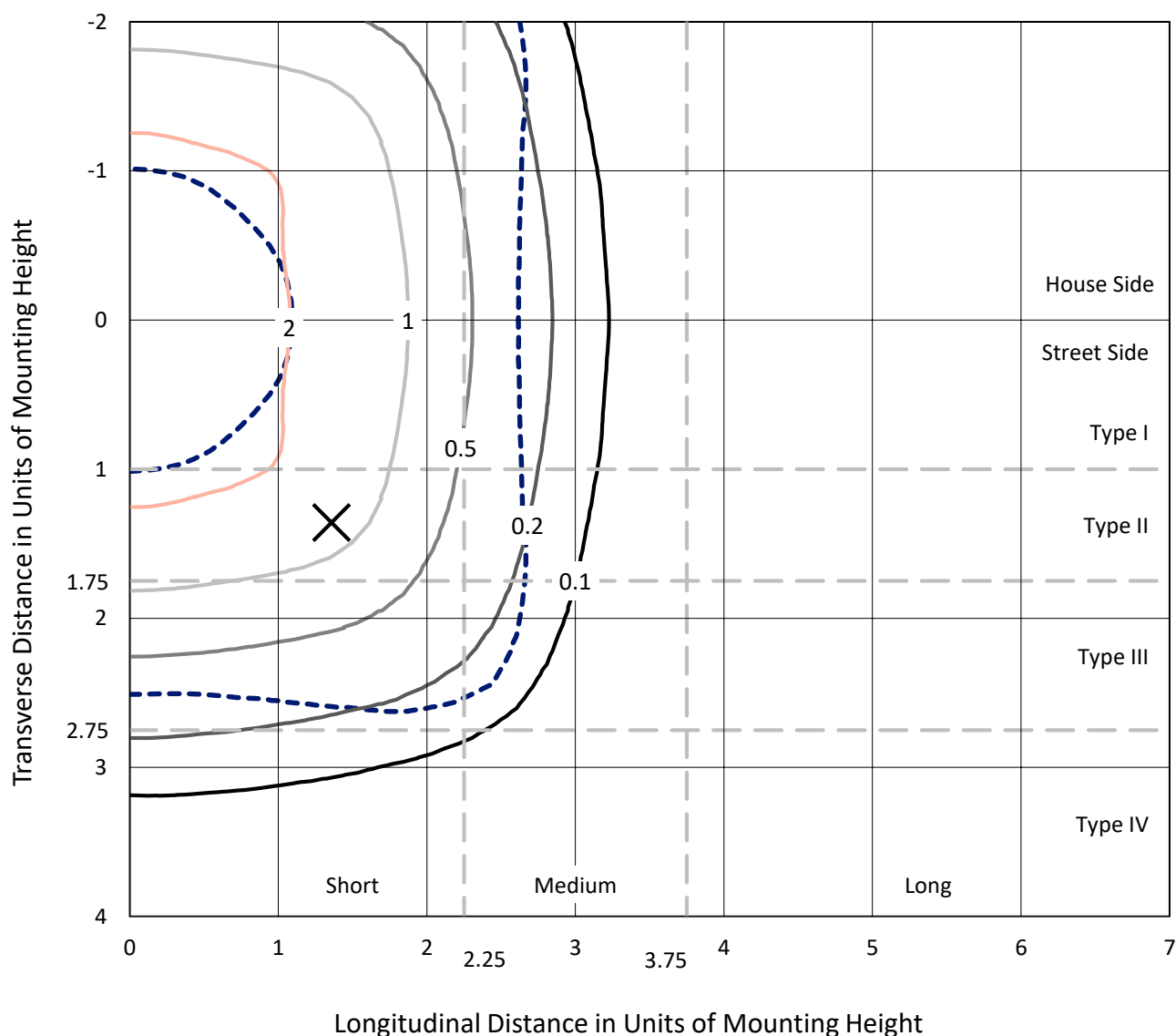


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

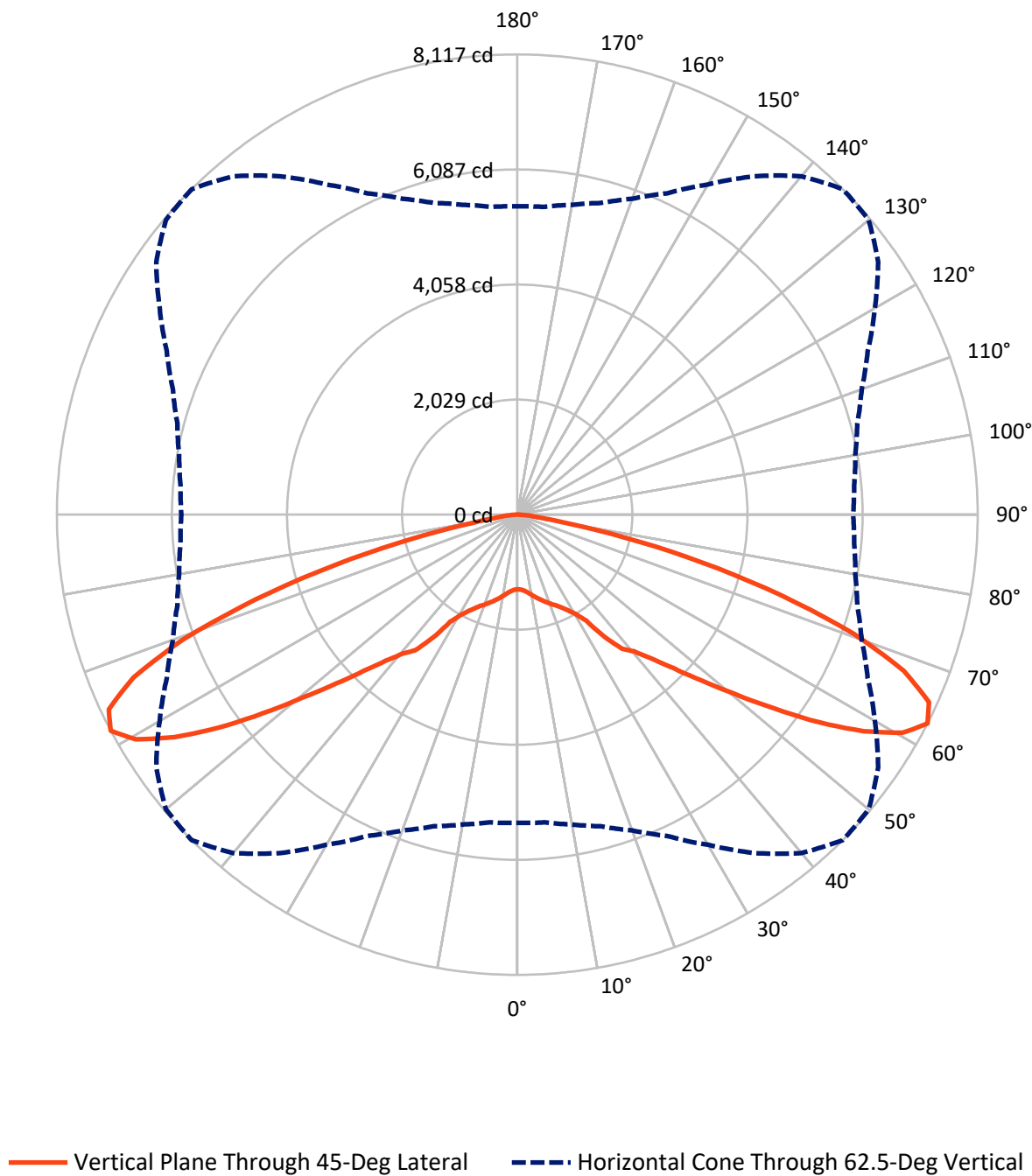


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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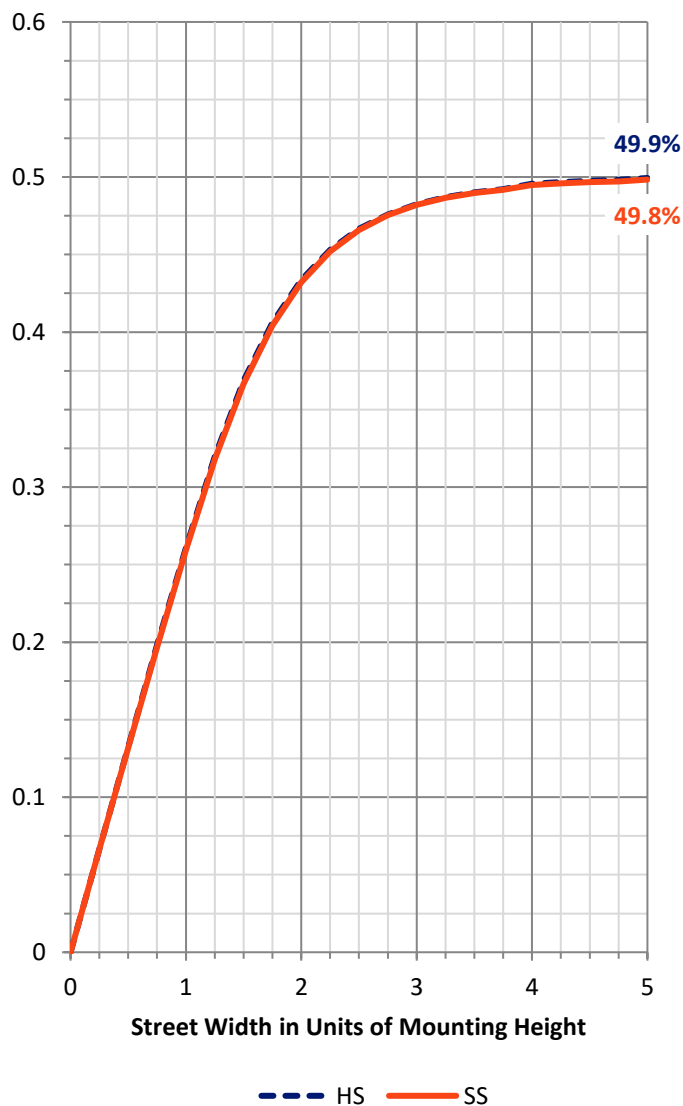
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9923.8	0.0	9923.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9923.8	0.0	9923.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	19847.6	0.0	19847.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	0.7
10°-20°	446.3	2.2
20°-30°	863.0	4.3
30°-40°	1670.8	8.4
40°-50°	3016.9	15.2
50°-60°	5245.9	26.4
60°-70°	5955.5	30.0
70°-80°	2308.9	11.6
80°-90°	208.3	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°	19847.6	100.0
0°-180°	19847.6	100.0

Coefficient of Utilization



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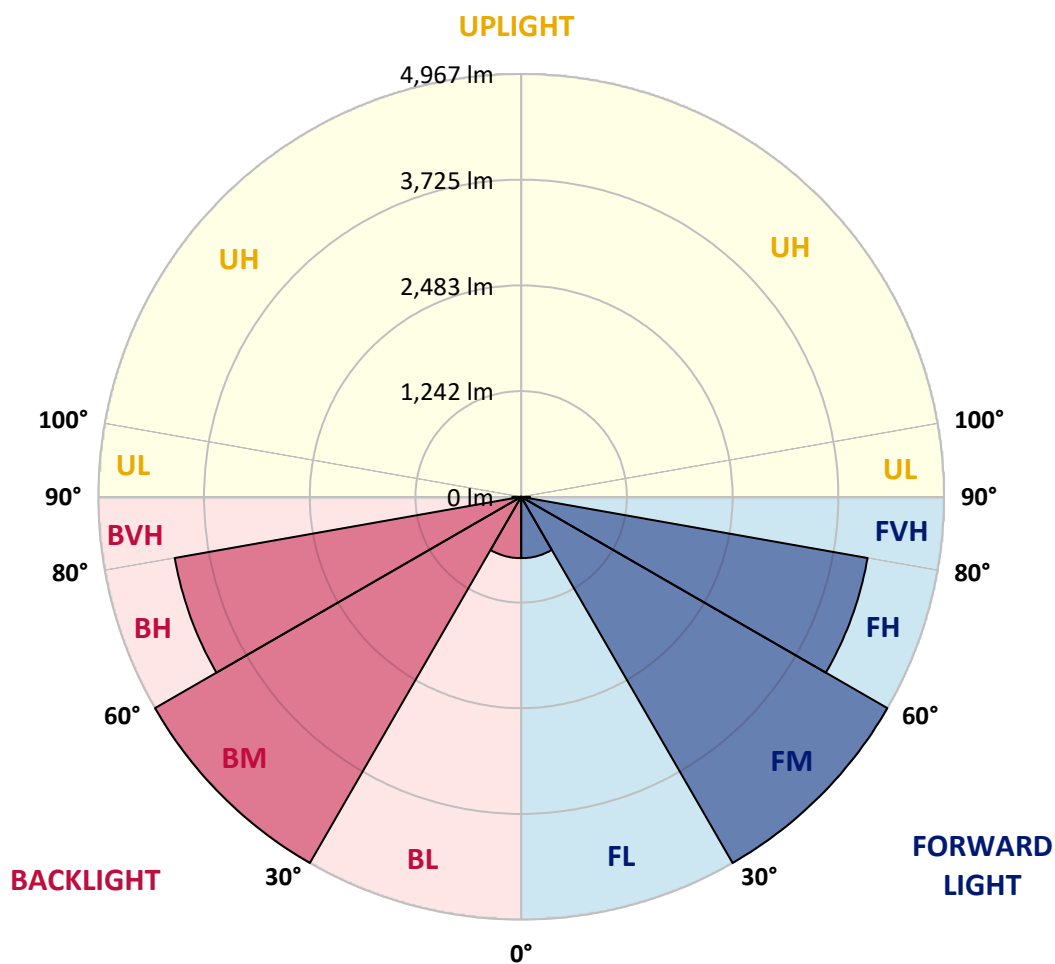
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	720.6	3.6			
FM	(30°-60°)	4966.8	25.0			
FH	(60°-80°)	4132.2	20.8			G2/5000
FVH	(80°-90°)	104.1	0.5			G2/225
BL	(0°-30°)	720.6	3.6	B2/1000		
BM	(30°-60°)	4966.8	25.0	B3/5000		
BH	(60°-80°)	4132.2	20.8	B4/5000		G2/5000
BVH	(80°-90°)	104.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1317.5	1317.5	1317.5	1317.5	1317.5	1317.5	1317.5	1317.5	1317.5	1317.5	1317.5
2.5°	1325.8	1329.7	1328.8	1326.7	1326.7	1326.7	1325.8	1322.7	1321.7	1323.7	1325.8
5°	1356.5	1356.5	1356.5	1356.5	1354.4	1354.5	1352.4	1350.4	1351.3	1349.3	1348.3
7.5°	1403.7	1400.6	1400.6	1399.6	1399.6	1397.5	1394.5	1390.4	1391.4	1390.4	1389.3
10°	1459.1	1460.1	1457.0	1460.1	1455.0	1454.0	1449.8	1447.9	1446.8	1443.7	1443.7
12.5°	1525.8	1522.7	1522.7	1520.6	1518.7	1516.6	1510.5	1509.4	1505.3	1503.2	1500.2
15°	1588.4	1587.4	1583.3	1579.2	1578.2	1576.1	1568.9	1564.8	1563.7	1558.7	1554.6
17.5°	1651.0	1648.9	1643.8	1641.8	1637.7	1634.6	1628.4	1622.3	1619.3	1617.2	1612.0
20°	1717.7	1715.6	1710.5	1706.4	1701.3	1697.2	1687.9	1682.8	1679.8	1676.7	1672.5
22.5°	1800.8	1796.7	1788.6	1781.3	1770.1	1765.9	1753.6	1746.4	1741.3	1737.2	1735.1
25°	1891.1	1892.1	1880.8	1871.6	1858.2	1847.0	1831.5	1823.4	1818.2	1814.1	1813.1
27.5°	2003.9	2005.0	1994.8	1981.3	1960.8	1948.6	1928.1	1917.8	1914.7	1910.6	1909.6
30°	2182.5	2173.3	2155.9	2134.3	2115.9	2089.1	2059.4	2049.1	2038.9	2035.9	2035.9
32.5°	2510.9	2505.7	2491.4	2438.0	2413.4	2358.0	2305.7	2275.9	2242.1	2225.6	2215.3
35°	2740.7	2738.7	2727.5	2708.9	2693.5	2682.3	2651.5	2646.4	2640.2	2640.2	2648.3
37.5°	2909.9	2897.7	2895.6	2898.8	2894.7	2896.7	2921.3	2955.2	2983.8	2998.3	2996.3
40°	3160.4	3143.0	3153.3	3146.0	3136.8	3134.7	3143.0	3156.4	3169.6	3169.6	3166.6
42.5°	3487.7	3496.0	3500.1	3470.3	3450.8	3445.7	3465.2	3461.0	3474.4	3469.2	3456.0
45°	3974.1	3968.9	3961.8	3925.9	3895.1	3870.5	3875.6	3868.4	3869.4	3861.2	3851.0
47.5°	4464.7	4482.1	4452.2	4434.8	4400.0	4382.6	4396.9	4384.6	4408.1	4365.0	4344.6
50°	4940.7	4953.0	4942.8	4918.1	4918.1	4942.8	4960.2	4982.8	5015.5	4966.4	4892.4
52.5°	5330.6	5340.9	5356.3	5376.8	5427.0	5479.4	5553.4	5632.3	5694.9	5685.6	5601.5
55°	5568.7	5580.9	5606.6	5677.4	5767.7	5905.2	6072.5	6256.2	6399.8	6469.6	6408.1
57.5°	5648.7	5658.0	5727.7	5812.8	5953.5	6157.7	6437.8	6754.8	7030.9	7206.4	7178.7
60°	5630.3	5630.3	5701.0	5818.0	6015.0	6286.0	6682.0	7121.1	7543.9	7806.6	7767.7
62.5°	5436.3	5446.6	5548.2	5688.7	5926.8	6251.0	6723.1	7284.4	7790.2	8116.5	8084.8
65°	5011.5	5018.7	5128.5	5295.8	5561.5	5945.3	6461.3	7083.2	7663.0	7977.0	7917.5
67.5°	4325.0	4332.2	4421.6	4610.4	4891.4	5292.6	5849.7	6534.2	7101.7	7350.1	7171.4
70°	3440.5	3461.0	3518.4	3718.5	3932.0	4325.0	4838.1	5522.5	6058.1	6293.1	6096.1
72.5°	2344.7	2397.0	2466.7	2644.2	2848.5	3174.7	3583.2	4159.8	4589.7	4861.7	4686.2
75°	1320.6	1394.4	1416.0	1550.5	1718.8	1976.3	2274.8	2688.4	3122.5	3343.0	3131.6
77.5°	570.6	631.1	657.7	720.3	851.6	959.4	1140.9	1420.1	1755.6	1910.7	1657.1
80°	281.1	295.5	306.8	326.2	363.2	398.1	484.4	606.4	743.9	778.9	619.7
82.5°	217.6	227.8	247.4	262.7	271.9	281.1	289.3	305.8	319.2	326.3	307.8
85°	153.0	166.2	187.8	205.2	215.5	222.6	229.8	235.0	222.6	203.1	213.5
87.5°	40.0	52.3	72.8	79.0	89.3	94.4	92.3	95.4	86.2	62.6	69.7
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°	1317.5	1317.5	1317.5	1317.5	1317.5	1317.5	1317.5	1317.5
2.5°	1324.8	1323.7	1324.8	1324.8	1324.7	1323.7	1323.7	1323.6
5°	1348.3	1348.3	1349.3	1347.4	1347.3	1348.4	1347.4	1346.2
7.5°	1388.4	1387.3	1387.4	1386.3	1387.4	1386.3	1386.3	1385.3
10°	1441.7	1439.6	1440.6	1437.5	1437.6	1436.6	1436.5	1436.6
12.5°	1499.1	1496.1	1497.1	1494.0	1488.9	1489.9	1491.0	1489.9
15°	1554.5	1551.5	1548.4	1546.3	1543.2	1544.2	1544.2	1543.2
17.5°	1611.0	1604.8	1603.7	1600.7	1599.7	1599.7	1599.7	1600.7
20°	1669.4	1665.4	1664.4	1661.3	1660.3	1663.3	1664.4	1662.3
22.5°	1732.0	1729.9	1732.0	1729.9	1733.1	1735.1	1736.2	1734.1
25°	1811.0	1809.0	1812.1	1819.3	1823.4	1825.5	1830.6	1828.5
27.5°	1912.6	1910.7	1917.7	1928.1	1934.2	1944.5	1949.6	1951.6
30°	2043.9	2053.3	2057.4	2077.9	2082.0	2098.4	2098.4	2105.6
32.5°	2234.8	2252.3	2283.0	2314.8	2359.0	2390.8	2390.9	2407.3
35°	2653.5	2660.7	2684.4	2689.4	2698.7	2708.9	2698.7	2706.8
37.5°	2974.7	2942.9	2920.2	2888.5	2869.0	2869.0	2871.1	2869.0
40°	3138.9	3126.5	3116.3	3089.6	3085.5	3084.5	3084.5	3088.6
42.5°	3432.3	3402.6	3386.1	3363.6	3356.4	3354.4	3353.4	3355.3
45°	3814.1	3765.8	3721.7	3699.1	3679.6	3661.1	3667.4	3667.3
47.5°	4258.3	4183.4	4111.6	4072.6	4038.8	4023.4	4013.1	4010.1
50°	4799.1	4694.5	4602.1	4529.2	4480.0	4479.0	4484.1	4451.3
52.5°	5462.0	5296.8	5181.9	5083.3	5037.1	5032.0	5015.5	4997.1
55°	6196.7	6000.6	5810.9	5705.1	5644.6	5611.8	5592.3	5561.5
57.5°	6953.9	6690.2	6417.2	6248.0	6141.2	6067.4	6028.4	6010.9
60°	7537.8	7177.6	6817.4	6545.5	6368.0	6258.2	6190.5	6162.8
62.5°	7767.7	7279.2	6817.4	6460.3	6203.8	6052.0	5960.6	5920.6
65°	7493.7	6914.9	6389.6	5995.5	5709.2	5539.9	5440.4	5397.3
67.5°	6728.2	6217.1	5645.6	5253.7	4959.2	4791.9	4684.1	4652.3
70°	5640.5	5118.1	4572.3	4222.5	3959.8	3823.2	3711.5	3698.1
72.5°	4238.8	3788.4	3320.4	3031.1	2819.7	2594.0	2536.6	2565.3
75°	2717.1	2295.3	1878.8	1618.2	1425.3	1209.7	1126.6	1147.2
77.5°	1286.7	996.4	719.4	556.2	466.9	399.2	381.8	371.4
80°	477.1	386.8	341.8	324.2	311.9	300.7	292.4	283.2
82.5°	308.8	301.7	292.4	289.3	280.1	265.7	239.1	227.8
85°	230.9	230.9	218.5	219.6	212.4	193.9	169.3	156.0
87.5°	67.8	60.5	55.3	51.3	50.3	45.2	32.8	28.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)