

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: P148255

Luminaire Tested: **VXS-F06-LED-E1-5XQ**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148255
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-F06-LED-E1-5XQ
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15752.9 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

Input Watts (W): 156.5
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



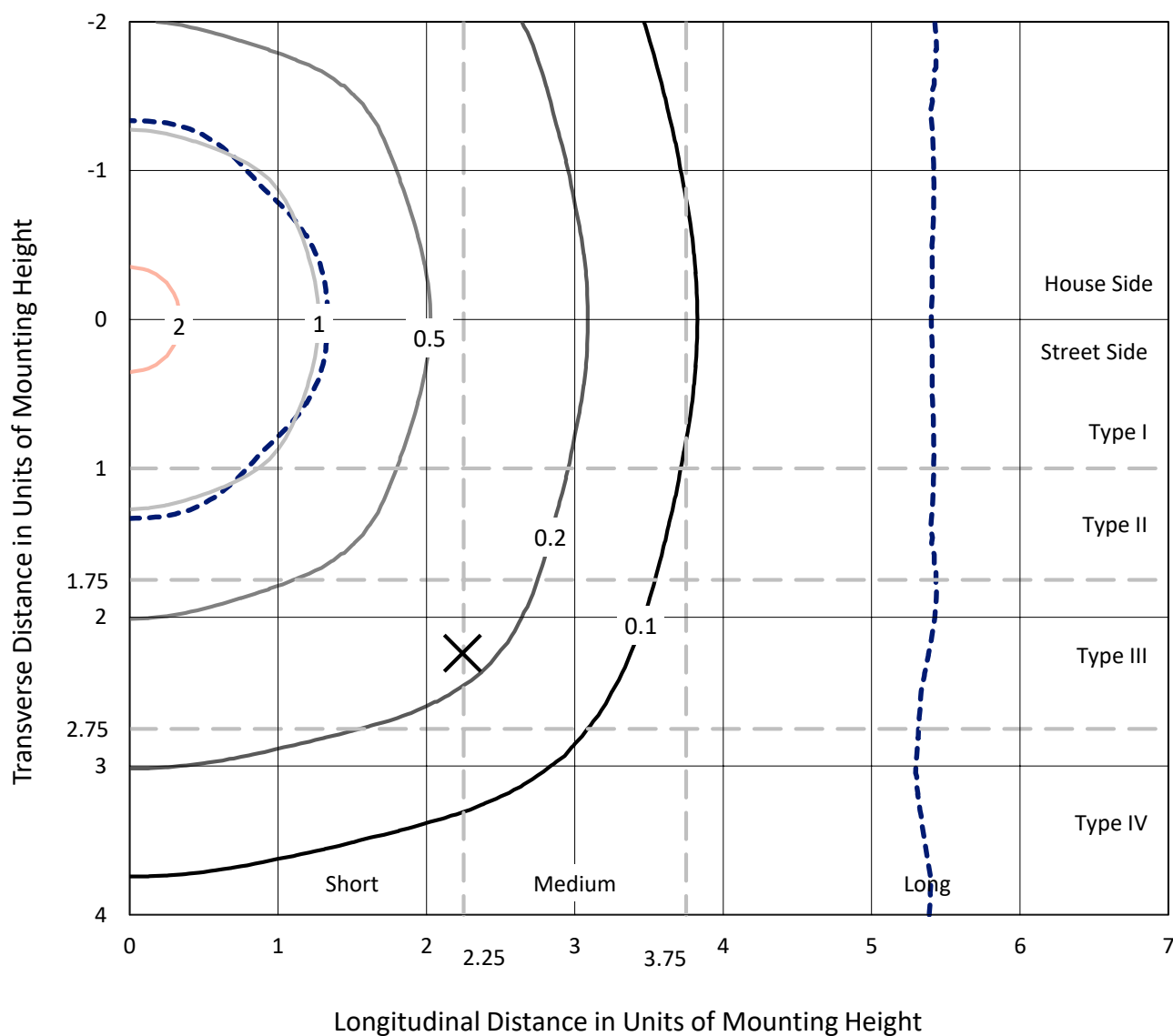
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

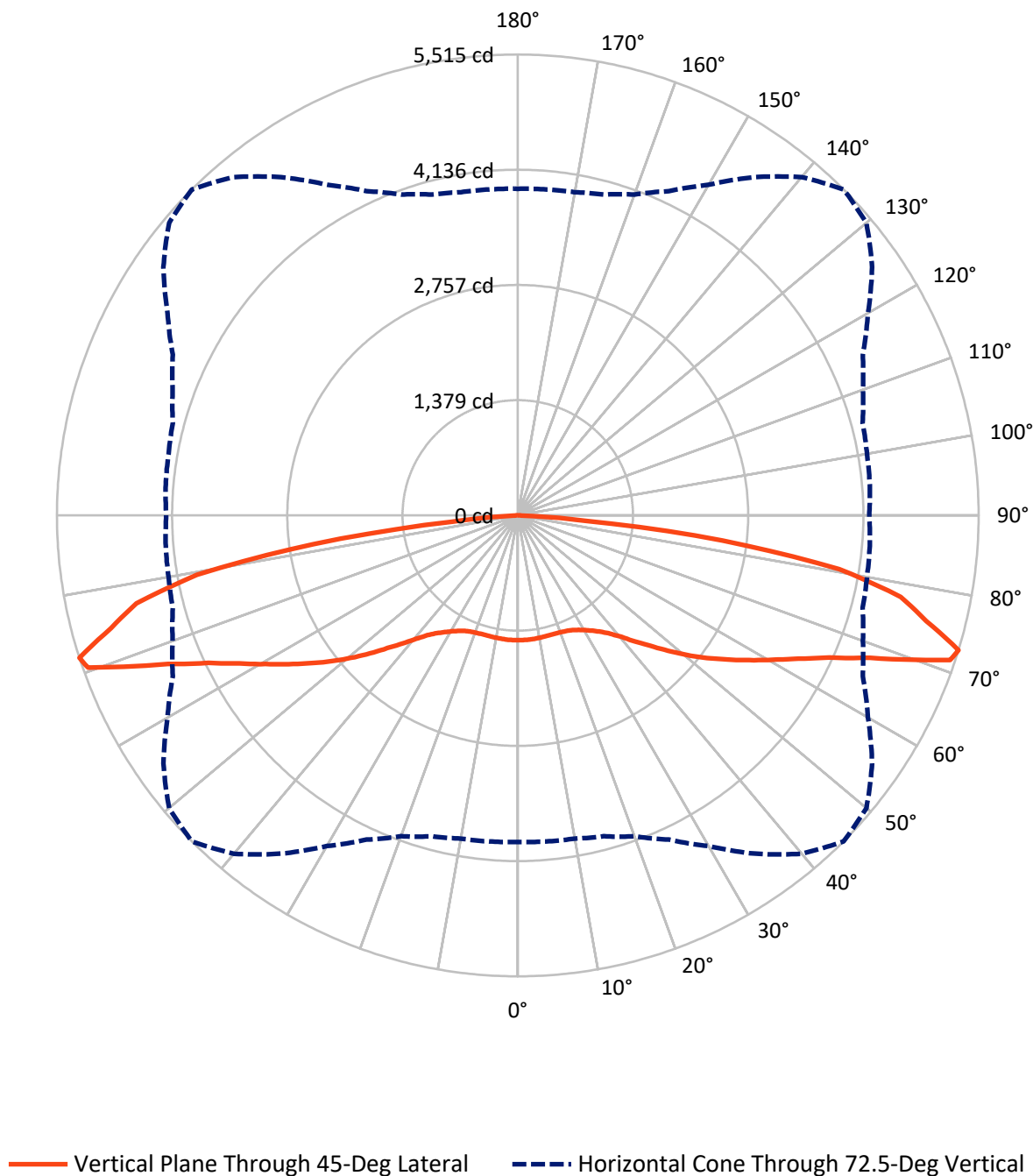


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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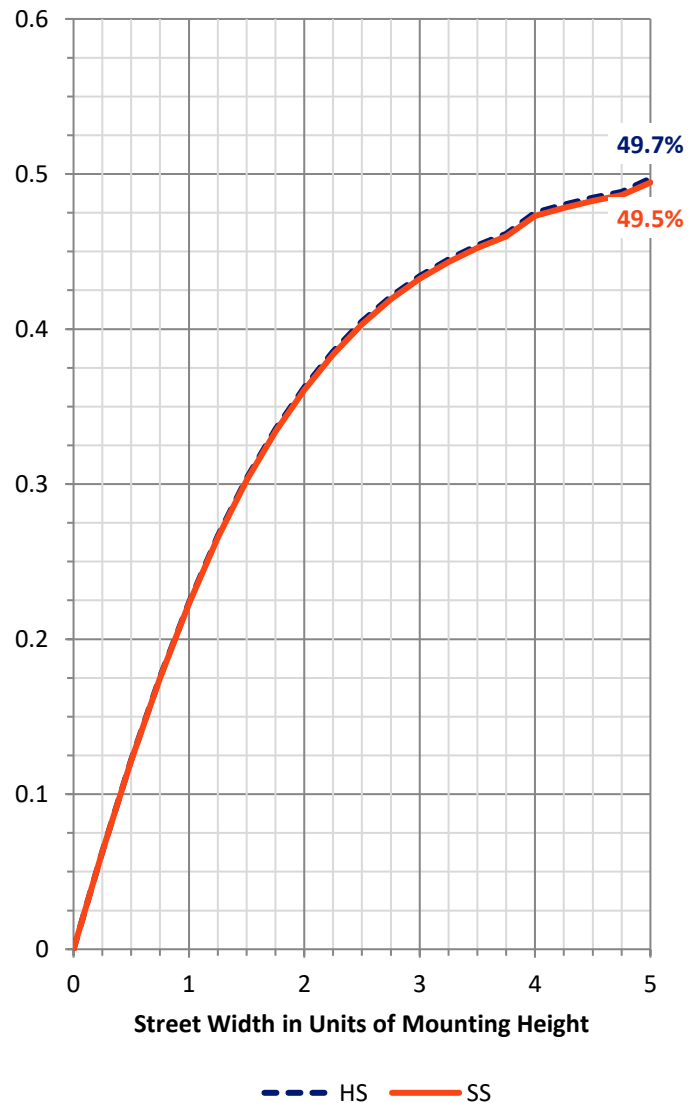
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7876.5	0.0	7876.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7876.5	0.0	7876.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15752.9	0.0	15752.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.3	0.9
10°-20°	420.8	2.7
20°-30°	704.6	4.5
30°-40°	1074.2	6.8
40°-50°	1715.2	10.9
50°-60°	2637.3	16.7
60°-70°	3839.9	24.4
70°-80°	4325.7	27.5
80°-90°	893.0	5.7
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°	15752.9	100.0
0°-180°	15752.9	100.0

Coefficient of Utilization



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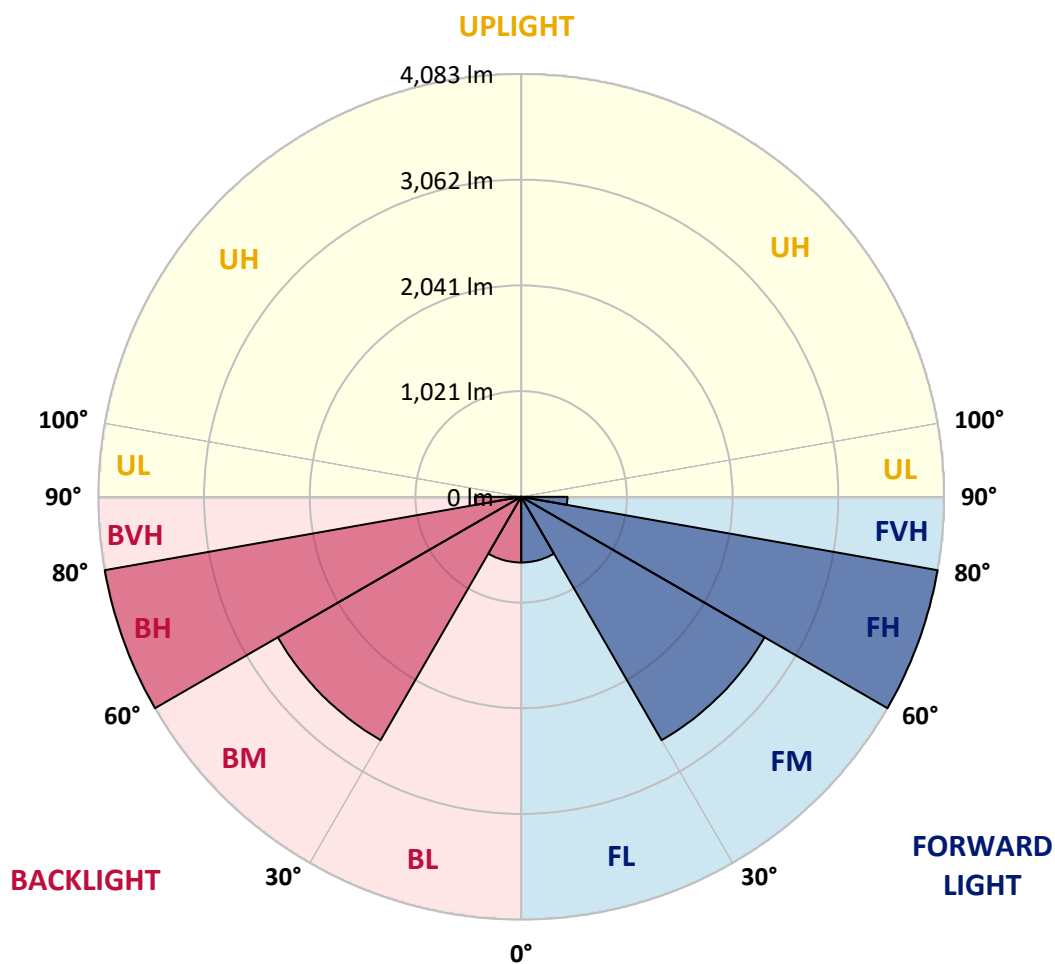
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	633.8	4.0			
FM	(30°-60°)	2713.4	17.2			
FH	(60°-80°)	4082.8	25.9			G2/5000
FVH	(80°-90°)	446.5	2.8			G3/500
BL	(0°-30°)	633.8	4.0	B2/1000		
BM	(30°-60°)	2713.4	17.2	B3/5000		
BH	(60°-80°)	4082.8	25.9	B4/5000		G2/5000
BVH	(80°-90°)	446.5	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5
2.5°	1495.0	1495.9	1495.4	1494.6	1495.0	1494.6	1493.8	1493.4	1490.5	1492.1	1494.6
5°	1495.0	1494.2	1493.8	1493.4	1493.4	1494.6	1493.4	1492.1	1491.7	1492.5	1491.3
7.5°	1494.2	1492.5	1491.7	1491.4	1491.7	1492.1	1490.9	1489.2	1490.5	1489.3	1487.7
10°	1491.8	1490.6	1491.0	1489.3	1489.7	1489.2	1487.6	1486.4	1487.2	1486.0	1483.8
12.5°	1492.6	1490.6	1490.2	1489.3	1488.9	1488.5	1486.3	1484.4	1484.7	1483.8	1481.8
15°	1492.6	1491.4	1491.0	1489.3	1488.9	1488.1	1485.6	1484.8	1484.7	1483.5	1481.0
17.5°	1493.5	1492.6	1492.5	1490.6	1489.6	1489.3	1486.4	1485.2	1486.3	1483.8	1482.3
20°	1495.8	1495.0	1495.4	1494.2	1492.5	1492.5	1490.5	1489.7	1490.1	1489.6	1485.2
22.5°	1500.7	1500.7	1501.6	1501.1	1500.7	1501.1	1499.5	1499.6	1500.0	1500.0	1496.3
25°	1514.8	1514.4	1515.2	1515.2	1515.6	1518.5	1517.3	1516.9	1519.0	1519.0	1515.2
27.5°	1541.2	1540.4	1541.2	1542.1	1544.1	1547.9	1547.0	1548.3	1551.6	1550.8	1547.5
30°	1571.8	1571.0	1573.1	1575.5	1577.2	1582.9	1580.4	1586.6	1589.5	1592.0	1589.5
32.5°	1616.4	1616.4	1620.1	1621.8	1625.5	1631.3	1632.0	1637.0	1640.7	1644.9	1642.0
35°	1675.9	1675.0	1677.8	1680.7	1685.3	1690.7	1692.7	1699.4	1705.1	1708.0	1702.6
37.5°	1766.6	1762.1	1767.5	1769.1	1772.8	1774.1	1779.8	1788.1	1794.3	1793.5	1789.7
40°	1889.5	1888.8	1886.7	1884.2	1890.1	1892.1	1892.1	1903.2	1913.2	1911.5	1911.1
42.5°	2033.3	2029.5	2027.0	2027.0	2030.4	2031.2	2043.9	2052.2	2059.3	2060.9	2059.3
45°	2187.7	2183.9	2184.8	2183.1	2184.4	2189.6	2197.1	2212.4	2225.6	2226.0	2219.1
47.5°	2353.6	2342.0	2351.1	2338.2	2346.1	2350.3	2368.9	2391.2	2414.3	2418.4	2412.2
50°	2522.0	2520.7	2520.0	2517.4	2521.1	2530.2	2553.0	2588.0	2610.4	2625.2	2615.2
52.5°	2706.1	2699.9	2697.0	2692.8	2696.6	2714.3	2746.1	2776.7	2816.7	2833.6	2820.0
55°	2885.2	2883.1	2872.4	2872.0	2879.8	2907.5	2942.2	2979.7	3023.1	3042.1	3037.1
57.5°	3069.3	3057.3	3054.1	3049.1	3064.8	3090.8	3133.3	3201.0	3246.0	3267.4	3255.1
60°	3249.2	3240.2	3233.2	3231.5	3242.3	3278.5	3339.7	3420.9	3476.7	3504.8	3485.0
62.5°	3442.5	3436.7	3428.4	3418.9	3441.7	3488.3	3564.1	3654.2	3736.4	3771.0	3740.9
65°	3682.7	3670.7	3661.7	3649.6	3668.2	3726.8	3822.2	3948.9	4059.1	4099.6	4078.1
67.5°	3936.2	3925.0	3925.8	3918.3	3951.4	4032.7	4155.6	4327.8	4475.6	4544.6	4504.1
70°	4157.3	4163.5	4165.2	4195.2	4252.3	4376.2	4580.8	4850.4	5074.5	5179.8	5136.4
71°	4092.1	4105.7	4126.8	4158.1	4256.4	4402.9	4682.4	5008.9	5276.4	5454.7	5394.8
72.5°	3907.2	3915.4	3926.2	3974.1	4085.2	4279.1	4566.8	4939.9	5283.7	5514.5	5445.2
75°	3639.8	3647.6	3651.3	3684.8	3785.9	3955.1	4218.4	4549.4	4852.8	5049.3	5029.9
77.5°	3236.1	3237.3	3266.2	3317.8	3431.3	3624.9	3902.3	4245.7	4530.9	4683.6	4586.6
80°	2323.9	2308.2	2337.8	2404.4	2544.7	2766.7	3050.8	3442.9	3759.5	3902.3	3752.0
82.5°	884.1	932.0	1007.6	1117.3	1164.8	1411.6	1676.7	1906.9	2173.6	2471.6	2396.9
85°	94.9	106.9	134.1	166.3	210.2	290.6	401.7	548.2	675.6	794.2	705.0
87.5°	35.5	36.4	40.4	46.6	47.5	49.5	52.8	61.6	57.4	49.5	40.0
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°	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5	1492.5
2.5°	1492.5	1493.0	1492.5	1493.0	1493.0	1491.3	1491.7	1490.9
5°	1492.1	1490.9	1491.3	1491.7	1491.3	1492.1	1490.9	1491.7
7.5°	1490.1	1487.7	1488.5	1488.5	1487.7	1488.8	1488.0	1487.7
10°	1486.0	1482.7	1484.4	1483.5	1483.1	1483.5	1483.4	1483.5
12.5°	1482.3	1480.2	1480.5	1480.2	1479.8	1481.0	1480.5	1481.0
15°	1481.5	1478.1	1477.7	1476.9	1477.3	1478.1	1478.1	1479.4
17.5°	1480.6	1476.5	1476.1	1475.2	1475.6	1477.3	1477.7	1476.9
20°	1483.0	1479.8	1479.0	1478.1	1477.7	1479.8	1479.4	1479.4
22.5°	1494.6	1490.5	1490.1	1486.8	1485.6	1486.8	1486.0	1486.0
25°	1513.2	1508.2	1506.6	1502.1	1498.8	1498.8	1497.5	1496.7
27.5°	1546.6	1539.2	1537.5	1533.9	1529.3	1530.2	1527.7	1527.3
30°	1585.4	1578.9	1573.1	1567.7	1562.3	1560.2	1557.3	1556.9
32.5°	1636.2	1628.8	1621.8	1615.1	1607.7	1604.8	1599.9	1597.3
35°	1698.5	1688.6	1680.4	1675.9	1668.4	1664.7	1661.3	1665.1
37.5°	1785.6	1773.7	1769.5	1764.1	1759.2	1753.4	1754.6	1753.4
40°	1906.1	1895.4	1891.3	1881.8	1880.5	1874.0	1878.1	1874.0
42.5°	2055.1	2035.3	2032.4	2025.1	2022.6	2018.9	2020.5	2017.6
45°	2217.4	2199.6	2196.3	2184.4	2184.8	2176.1	2179.4	2179.5
47.5°	2399.8	2381.2	2366.0	2357.3	2354.0	2348.6	2351.5	2351.1
50°	2588.1	2562.9	2545.9	2529.0	2521.6	2523.6	2517.8	2527.8
52.5°	2790.3	2752.7	2728.8	2712.7	2698.7	2701.6	2702.4	2705.3
55°	2999.5	2951.7	2917.0	2896.0	2883.1	2883.9	2887.7	2891.0
57.5°	3210.1	3150.3	3103.1	3071.7	3063.5	3067.3	3067.2	3066.8
60°	3428.4	3356.6	3295.9	3260.4	3253.1	3251.0	3267.0	3261.7
62.5°	3662.8	3576.6	3513.9	3468.4	3457.7	3465.2	3479.6	3476.3
65°	3973.7	3854.4	3773.5	3728.5	3710.4	3717.7	3737.2	3736.4
67.5°	4374.4	4207.7	4100.8	4043.0	4029.8	4038.9	4049.6	4059.9
70°	4973.8	4735.6	4582.9	4457.8	4404.1	4393.9	4404.6	4405.0
71°	5184.7	4911.1	4668.0	4515.2	4427.4	4390.2	4393.1	4374.5
72.5°	5176.1	4838.8	4554.4	4394.6	4272.5	4242.8	4228.4	4206.0
75°	4827.3	4523.4	4276.7	4102.4	3984.9	3949.7	3924.1	3922.9
77.5°	4377.7	4153.6	3881.7	3697.1	3553.9	3495.6	3469.6	3468.8
80°	3519.2	3183.6	2984.7	2873.6	2700.7	2650.8	2597.9	2578.0
82.5°	2128.2	1663.0	1352.2	1201.6	1118.1	920.8	826.3	781.8
85°	495.8	352.1	242.7	159.4	114.7	91.2	70.2	62.0
87.5°	33.4	26.4	23.5	19.0	14.5	14.1	8.7	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)