

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: P148250

Luminaire Tested: **VXS-E06-LED-E1-5XQ**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P148250
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-E06-LED-E1-5XQ
Description: VISION SITE SMALL LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19082.3 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G4

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



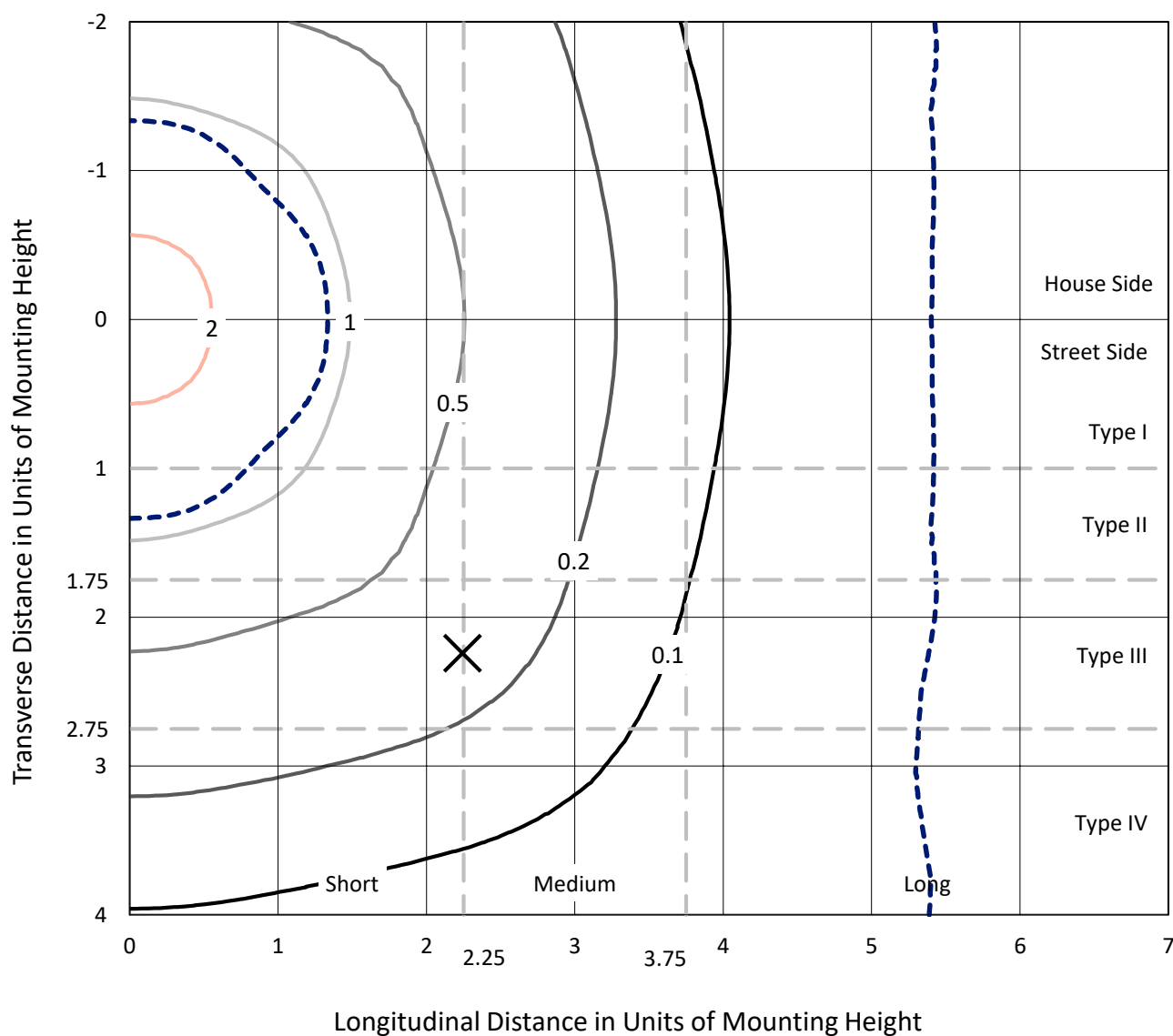
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

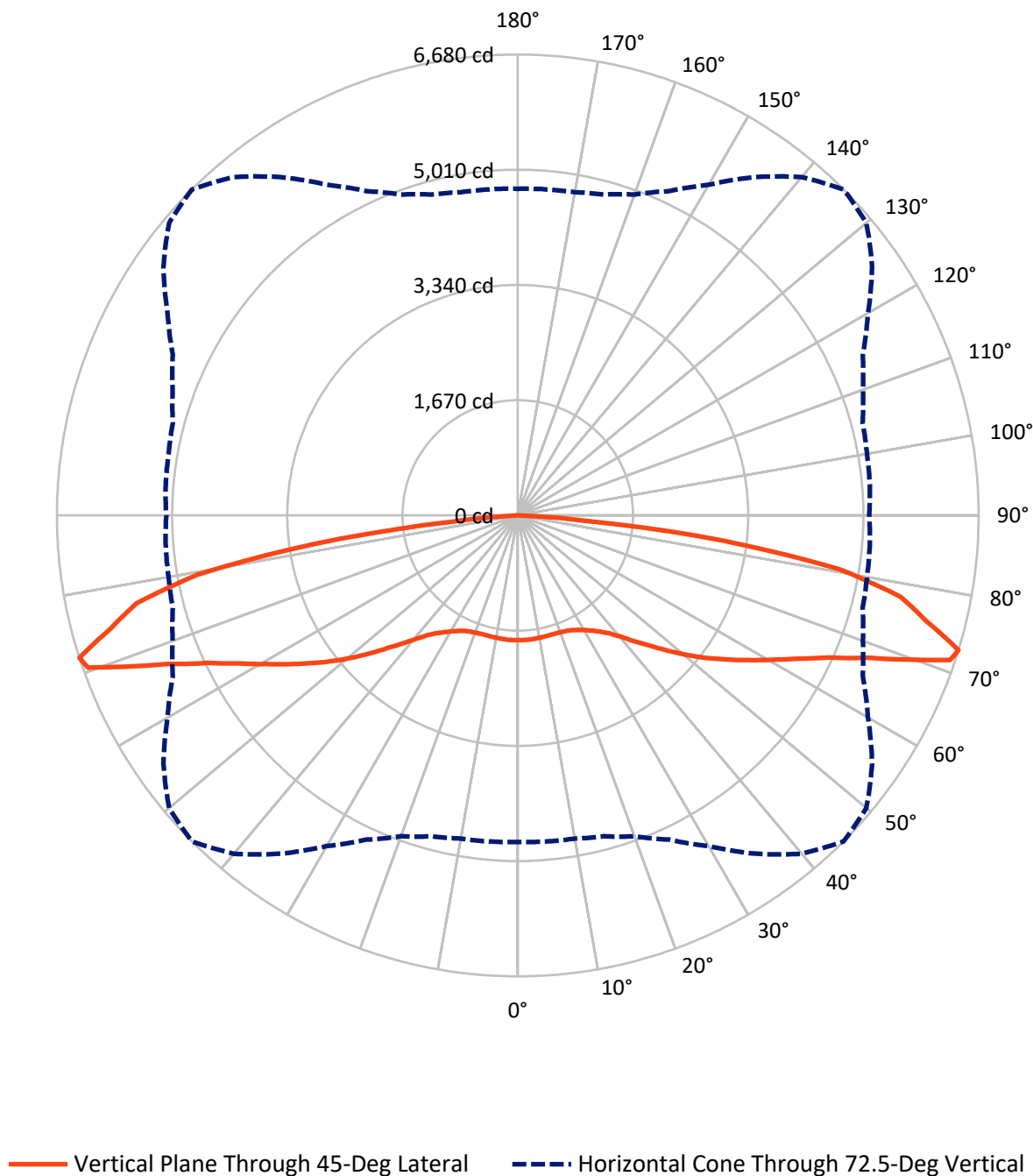


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
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Luminous Intensity Polar Plot



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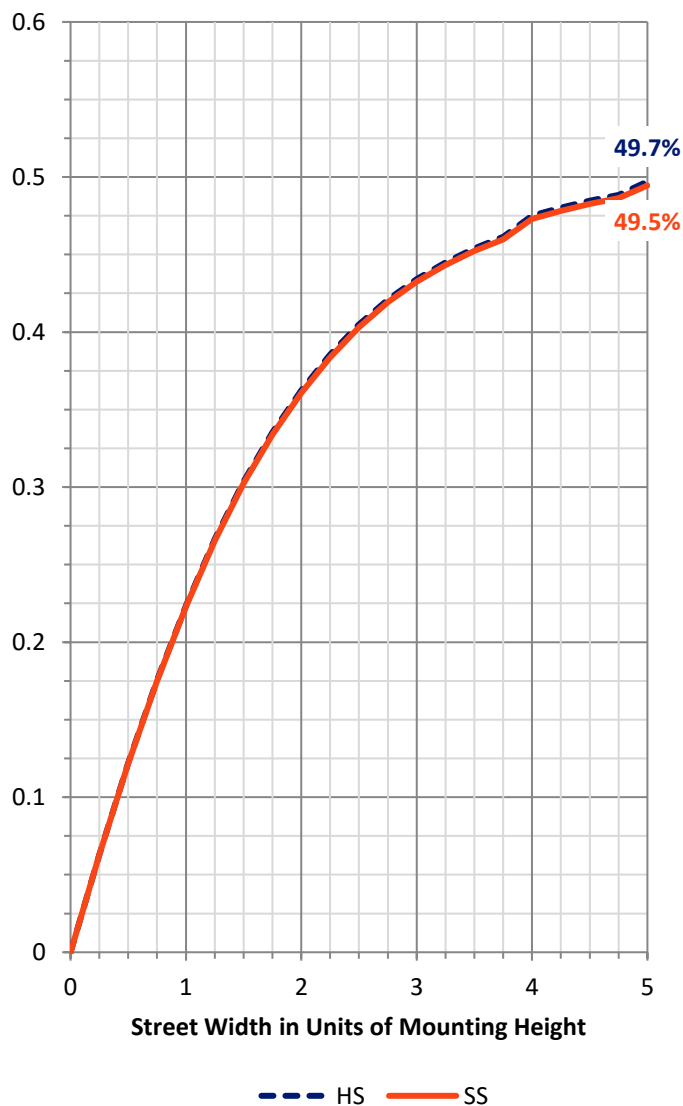
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9541.1	0.0	9541.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9541.1	0.0	9541.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	19082.3	0.0	19082.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.3	0.9
10°-20°	509.7	2.7
20°-30°	853.5	4.5
30°-40°	1301.2	6.8
40°-50°	2077.7	10.9
50°-60°	3194.7	16.7
60°-70°	4651.5	24.4
70°-80°	5239.9	27.5
80°-90°	1081.7	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°	19082.3	100.0
0°-180°	19082.3	100.0

Coefficient of Utilization



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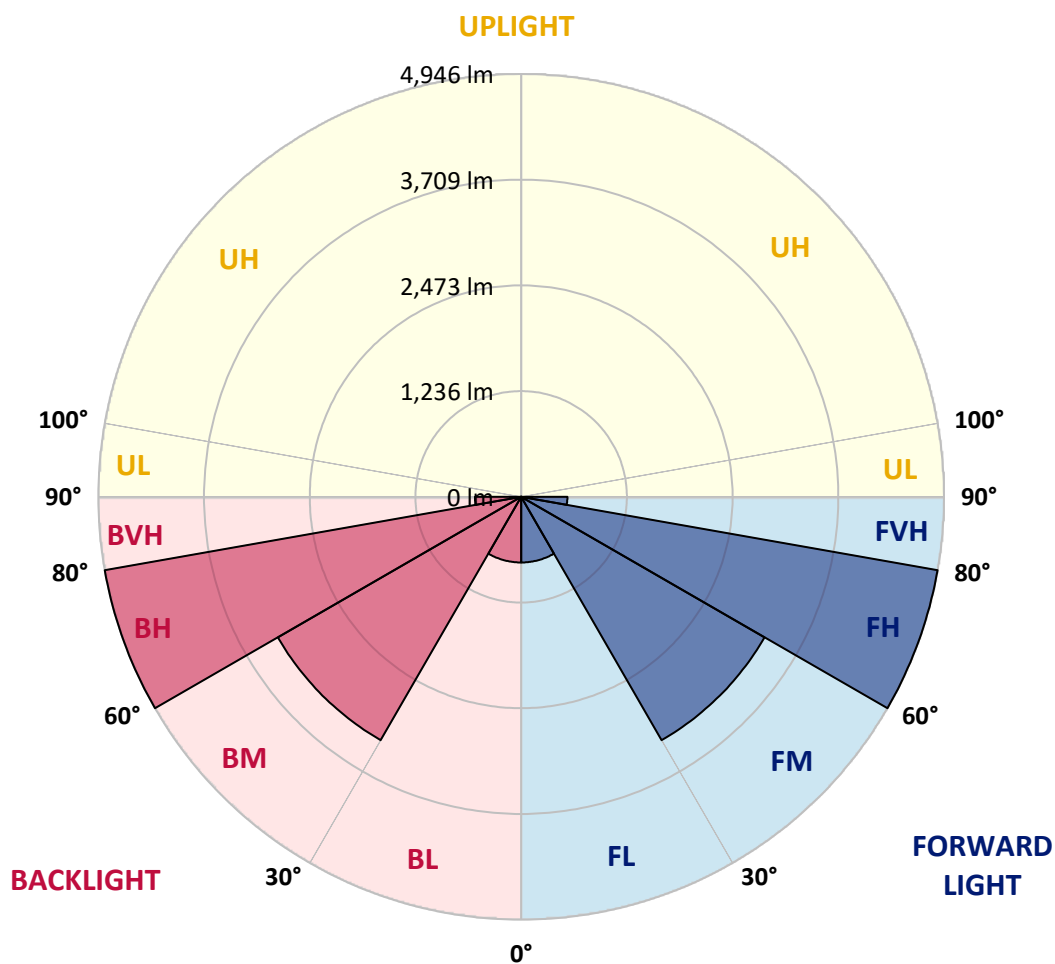
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	767.8	4.0			
FM	(30°-60°)	3286.8	17.2			
FH	(60°-80°)	4945.7	25.9			G2/5000
FVH	(80°-90°)	540.8	2.8			G4/750
BL	(0°-30°)	767.8	4.0	B2/1000		
BM	(30°-60°)	3286.8	17.2	B3/5000		
BH	(60°-80°)	4945.7	25.9	B4/5000		G2/5000
BVH	(80°-90°)	540.8	2.8			G4/750
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0
2.5°	1811.0	1812.0	1811.5	1810.5	1811.0	1810.6	1809.5	1809.0	1805.5	1807.5	1810.5
5°	1811.0	1809.9	1809.5	1809.0	1809.0	1810.6	1809.0	1807.5	1807.0	1808.0	1806.4
7.5°	1809.9	1808.0	1807.0	1806.5	1807.0	1807.5	1806.0	1804.0	1805.5	1803.9	1802.0
10°	1807.0	1805.5	1806.0	1804.0	1804.5	1803.9	1802.0	1800.5	1801.5	1800.0	1797.5
12.5°	1808.1	1805.5	1805.0	1804.0	1803.5	1803.0	1800.5	1798.0	1798.5	1797.5	1795.0
15°	1808.1	1806.5	1806.0	1803.9	1803.5	1802.5	1799.5	1798.5	1798.5	1797.0	1794.0
17.5°	1809.0	1808.0	1808.0	1805.5	1804.6	1803.9	1800.5	1799.0	1800.5	1797.5	1795.4
20°	1812.0	1811.0	1811.5	1810.1	1808.0	1808.0	1805.5	1804.6	1805.0	1804.5	1799.0
22.5°	1818.0	1818.0	1819.1	1818.5	1818.0	1818.5	1816.5	1816.5	1817.0	1817.0	1812.5
25°	1835.0	1834.5	1835.4	1835.4	1836.1	1839.5	1838.0	1837.5	1840.0	1840.0	1835.4
27.5°	1866.9	1866.0	1866.9	1868.0	1870.5	1875.0	1874.0	1875.5	1879.5	1878.4	1874.5
30°	1904.0	1903.0	1905.5	1908.5	1910.5	1917.5	1914.5	1922.0	1925.5	1928.5	1925.5
32.5°	1957.9	1958.0	1962.5	1964.6	1969.0	1976.0	1977.0	1983.0	1987.5	1992.5	1989.0
35°	2030.1	2029.0	2032.4	2036.1	2041.6	2048.0	2050.6	2058.4	2065.5	2069.0	2062.6
37.5°	2140.0	2134.5	2141.0	2143.0	2147.6	2149.0	2156.1	2166.0	2173.5	2172.5	2168.0
40°	2289.0	2288.0	2285.5	2282.5	2289.5	2292.0	2292.0	2305.5	2317.5	2315.5	2315.0
42.5°	2463.0	2458.4	2455.5	2455.5	2459.5	2460.5	2476.1	2486.0	2494.5	2496.5	2494.5
45°	2649.9	2645.5	2646.5	2644.6	2646.0	2652.5	2661.6	2680.0	2696.0	2696.5	2688.1
47.5°	2851.0	2837.0	2848.0	2832.5	2842.0	2847.0	2869.4	2896.5	2924.6	2929.5	2922.0
50°	3055.0	3053.5	3052.5	3049.5	3054.0	3065.0	3092.5	3135.0	3162.0	3180.0	3168.0
52.5°	3277.9	3270.5	3267.0	3262.0	3266.4	3288.0	3326.5	3363.5	3412.0	3432.5	3416.0
55°	3494.9	3492.4	3479.5	3479.0	3488.5	3522.0	3563.9	3609.5	3662.0	3685.0	3679.0
57.5°	3718.0	3703.5	3699.5	3693.5	3712.5	3744.0	3795.5	3877.5	3932.0	3958.0	3943.0
60°	3936.0	3925.0	3916.5	3914.5	3927.5	3971.5	4045.5	4144.0	4211.5	4245.5	4221.6
62.5°	4169.9	4163.0	4153.0	4141.6	4168.9	4225.5	4317.5	4426.5	4526.0	4568.0	4531.5
65°	4460.9	4446.5	4435.4	4421.0	4443.5	4514.5	4630.1	4783.5	4917.0	4966.0	4940.0
67.5°	4768.0	4754.5	4755.5	4746.5	4786.5	4885.0	5034.0	5242.5	5421.5	5505.0	5456.0
70°	5036.1	5043.5	5045.5	5082.0	5151.0	5300.9	5549.0	5875.4	6146.9	6274.5	6222.0
71°	4957.0	4973.5	4999.0	5037.0	5156.0	5333.5	5672.0	6067.5	6391.5	6607.5	6535.0
72.5°	4733.1	4743.0	4756.0	4814.0	4948.5	5183.4	5532.0	5984.0	6400.5	6680.0	6596.0
75°	4409.0	4418.4	4423.0	4463.5	4586.0	4791.0	5110.1	5511.0	5878.5	6116.5	6093.1
77.5°	3920.0	3921.5	3956.5	4019.0	4156.5	4391.0	4727.0	5143.0	5488.5	5673.5	5556.0
80°	2815.0	2796.1	2832.0	2912.5	3082.6	3351.5	3695.5	4170.6	4554.0	4727.0	4545.0
82.5°	1071.0	1129.0	1220.5	1353.5	1411.0	1710.1	2031.0	2310.1	2633.0	2994.0	2903.5
85°	115.0	129.5	162.5	201.6	254.5	352.0	486.5	664.0	818.4	962.0	854.0
87.5°	43.0	43.9	49.0	56.5	57.5	60.0	64.0	74.5	69.5	60.0	48.5
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°	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0	1808.0
2.5°	1808.0	1808.5	1808.0	1808.5	1808.5	1806.4	1806.9	1806.0
5°	1807.5	1806.0	1806.5	1807.0	1806.5	1807.5	1806.0	1807.0
7.5°	1805.0	1802.0	1803.0	1803.0	1802.0	1803.5	1802.5	1802.0
10°	1800.0	1796.0	1797.9	1797.0	1796.5	1797.0	1797.0	1797.0
12.5°	1795.5	1793.0	1793.5	1793.1	1792.5	1794.0	1793.5	1794.0
15°	1794.5	1790.5	1790.1	1789.0	1789.5	1790.5	1790.5	1791.9
17.5°	1793.5	1788.5	1788.0	1786.9	1787.5	1789.5	1790.1	1789.0
20°	1796.5	1792.5	1791.5	1790.5	1790.1	1792.4	1792.0	1791.9
22.5°	1810.5	1805.5	1805.0	1801.0	1799.5	1801.0	1800.0	1800.0
25°	1833.0	1827.0	1825.0	1819.5	1815.5	1815.5	1814.0	1813.1
27.5°	1873.6	1864.5	1862.5	1858.0	1852.5	1853.5	1850.5	1849.9
30°	1920.5	1912.5	1905.5	1899.1	1892.4	1889.9	1886.4	1886.0
32.5°	1982.0	1973.0	1964.5	1956.5	1947.5	1944.0	1938.0	1934.9
35°	2057.5	2045.5	2035.4	2029.9	2020.9	2016.5	2012.4	2017.0
37.5°	2163.0	2148.5	2143.5	2137.0	2131.0	2124.0	2125.5	2123.9
40°	2309.0	2296.0	2291.0	2279.6	2277.9	2270.1	2275.0	2270.1
42.5°	2489.5	2465.5	2462.0	2453.1	2449.9	2445.5	2447.5	2443.9
45°	2686.0	2664.5	2660.5	2646.0	2646.5	2636.1	2640.0	2640.0
47.5°	2907.0	2884.5	2866.0	2855.5	2851.5	2845.0	2848.5	2848.0
50°	3135.0	3104.6	3084.0	3063.5	3054.5	3057.0	3050.1	3062.0
52.5°	3380.0	3334.5	3305.5	3286.0	3269.0	3272.5	3273.5	3277.0
55°	3633.5	3575.5	3533.5	3508.0	3492.4	3493.5	3498.0	3502.0
57.5°	3888.5	3816.0	3759.0	3721.0	3711.0	3715.4	3715.4	3715.0
60°	4153.0	4066.0	3992.4	3949.4	3940.5	3938.0	3957.5	3951.1
62.5°	4437.0	4332.4	4256.5	4201.6	4188.5	4197.5	4215.0	4211.0
65°	4813.5	4669.0	4571.0	4516.5	4494.5	4503.5	4526.9	4526.0
67.5°	5299.0	5097.0	4967.5	4897.5	4881.5	4892.5	4905.5	4918.0
70°	6025.0	5736.5	5551.5	5400.0	5335.0	5322.5	5335.5	5336.0
71°	6280.5	5949.0	5654.5	5469.4	5363.0	5318.0	5321.5	5299.0
72.5°	6270.1	5861.5	5517.0	5323.5	5175.5	5139.5	5122.0	5094.9
75°	5847.5	5479.5	5180.5	4969.5	4827.0	4784.5	4753.5	4752.0
77.5°	5303.0	5031.5	4702.0	4478.5	4305.0	4234.5	4203.0	4202.1
80°	4263.0	3856.5	3615.5	3481.0	3271.5	3211.0	3147.0	3123.0
82.5°	2578.0	2014.5	1638.0	1455.5	1354.5	1115.4	1001.0	946.9
85°	600.5	426.5	294.0	193.1	139.1	110.5	85.1	75.0
87.5°	40.5	32.0	28.5	23.0	17.5	17.0	10.5	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)