

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: P180042

Luminaire Tested: **ICS-F03-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180042
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: ICS-F03-LED-E1-5MQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6563.2 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

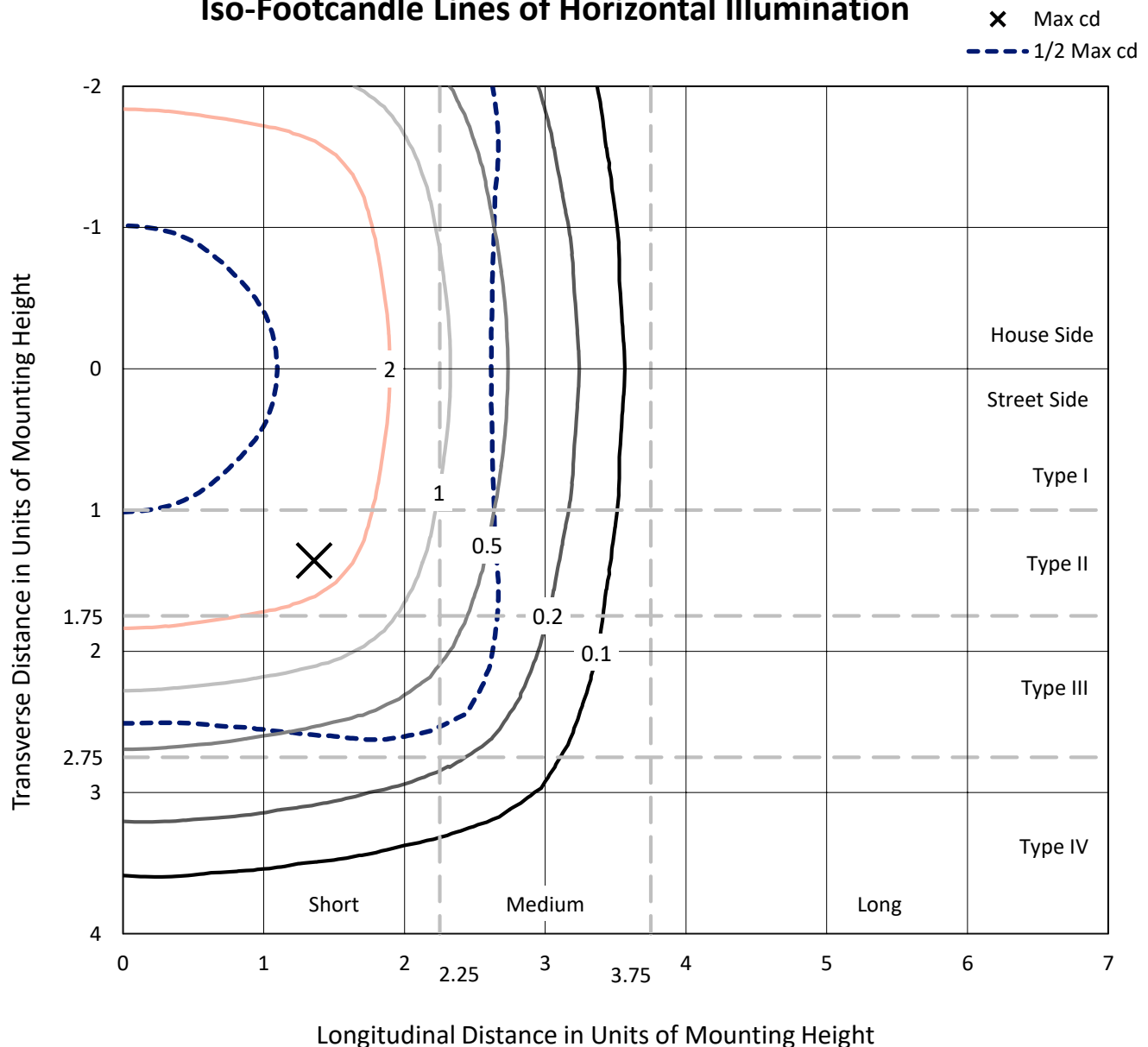
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

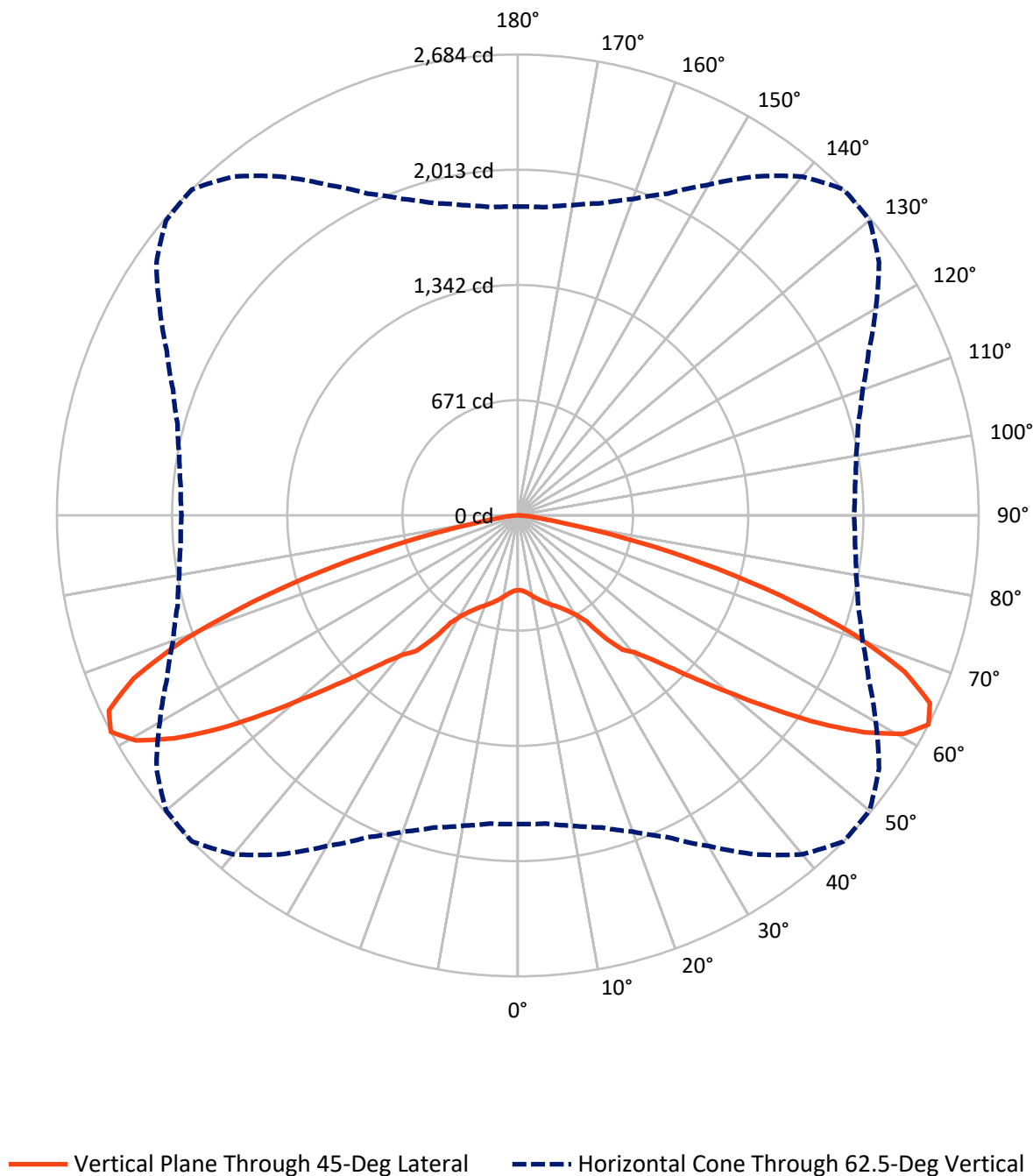


Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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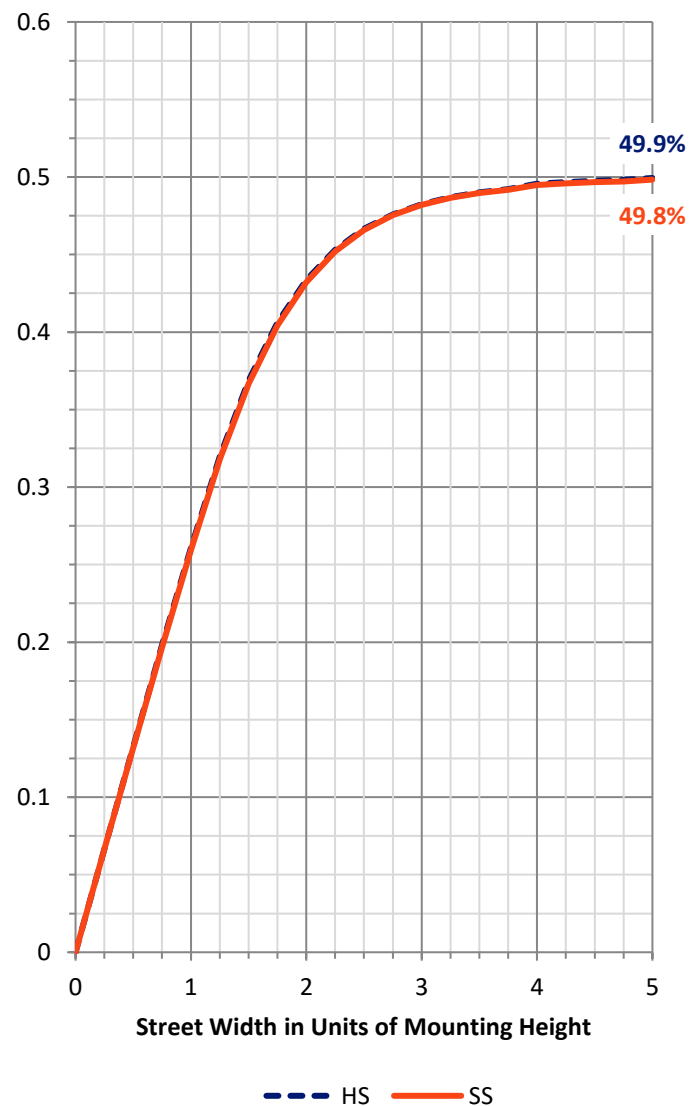
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3281.6	0.0	3281.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3281.6	0.0	3281.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	6563.2	0.0	6563.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	0.7
10°-20°	147.6	2.2
20°-30°	285.4	4.3
30°-40°	552.5	8.4
40°-50°	997.6	15.2
50°-60°	1734.7	26.4
60°-70°	1969.4	30.0
70°-80°	763.5	11.6
80°-90°	68.9	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°	6563.2	100.0
0°-180°	6563.2	100.0

Coefficient of Utilization



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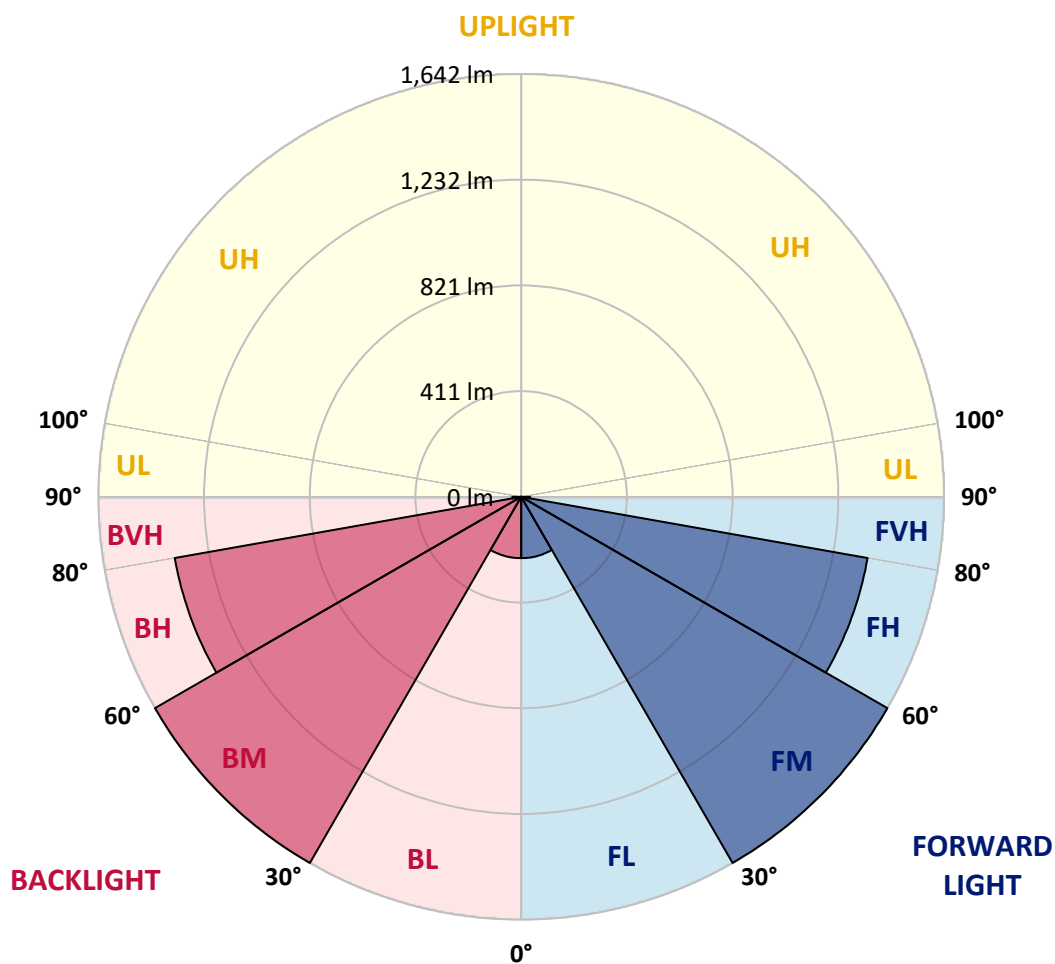
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.3	3.6			
FM	(30°-60°)	1642.4	25.0			
FH	(60°-80°)	1366.4	20.8			G1/1800
FVH	(80°-90°)	34.4	0.5			G1/100
BL	(0°-30°)	238.3	3.6	B1/500		
BM	(30°-60°)	1642.4	25.0	B2/2500		
BH	(60°-80°)	1366.4	20.8	B3/2500		G1/1800
BVH	(80°-90°)	34.4	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°	435.7	435.7	435.7	435.7	435.7	435.7	435.7	435.7	435.7	435.7	435.7
2.5°	438.4	439.8	439.4	438.7	438.7	438.8	438.4	437.4	437.0	437.7	438.4
5°	448.6	448.6	448.6	448.6	447.9	447.8	447.2	446.6	446.8	446.2	445.8
7.5°	464.2	463.2	463.2	462.8	462.8	462.2	461.2	459.8	460.1	459.8	459.4
10°	482.5	482.8	481.8	482.8	481.2	480.8	479.4	478.8	478.4	477.4	477.4
12.5°	504.6	503.6	503.6	502.8	502.2	501.6	499.5	499.1	497.8	497.0	496.0
15°	525.3	525.0	523.6	522.2	521.8	521.2	518.8	517.4	517.1	515.4	514.0
17.5°	546.0	545.3	543.6	542.9	541.6	540.6	538.5	536.4	535.4	534.8	533.0
20°	568.0	567.3	565.7	564.2	562.6	561.2	558.2	556.5	555.4	554.4	553.0
22.5°	595.5	594.2	591.4	589.0	585.3	584.0	579.8	577.6	575.8	574.4	573.8
25°	625.4	625.7	622.0	619.0	614.5	610.8	605.7	603.0	601.2	599.9	599.6
27.5°	662.6	663.0	659.7	655.2	648.4	644.3	637.6	634.2	633.2	631.8	631.5
30°	721.7	718.7	712.9	705.8	699.6	690.8	681.0	677.7	674.2	673.2	673.2
32.5°	830.3	828.6	823.9	806.2	798.0	779.8	762.4	752.6	741.4	736.0	732.6
35°	906.3	905.6	901.9	895.8	890.7	887.0	876.8	875.1	873.0	873.0	875.8
37.5°	962.3	958.2	957.6	958.6	957.2	957.9	966.0	977.2	986.7	991.5	990.8
40°	1045.1	1039.3	1042.7	1040.4	1037.3	1036.6	1039.3	1043.7	1048.2	1048.2	1047.2
42.5°	1153.4	1156.0	1157.4	1147.6	1141.1	1139.4	1145.8	1144.6	1148.9	1147.2	1142.8
45°	1314.2	1312.5	1310.1	1298.2	1288.1	1279.9	1281.6	1279.2	1279.6	1276.8	1273.4
47.5°	1476.4	1482.1	1472.3	1466.5	1454.9	1449.2	1454.0	1449.9	1457.7	1443.4	1436.6
50°	1633.8	1637.8	1634.4	1626.4	1626.4	1634.5	1640.2	1647.8	1658.6	1642.3	1617.8
52.5°	1762.8	1766.2	1771.2	1778.0	1794.6	1812.0	1836.4	1862.5	1883.2	1880.2	1852.4
55°	1841.4	1845.6	1854.0	1877.4	1907.3	1952.8	2008.1	2068.8	2116.3	2139.4	2119.0
57.5°	1867.9	1871.0	1894.0	1922.2	1968.7	2036.2	2128.9	2233.8	2325.0	2383.0	2373.8
60°	1861.8	1861.8	1885.2	1924.0	1989.1	2078.6	2209.6	2354.8	2494.6	2581.6	2568.6
62.5°	1797.7	1801.0	1834.6	1881.2	1959.9	2067.1	2223.2	2408.8	2576.1	2684.0	2673.4
65°	1657.2	1659.6	1695.9	1751.2	1839.1	1966.0	2136.6	2342.3	2534.0	2637.9	2618.2
67.5°	1430.2	1432.6	1462.2	1524.6	1617.5	1750.2	1934.4	2160.8	2348.4	2430.6	2371.4
70°	1137.7	1144.5	1163.5	1229.7	1300.2	1430.2	1599.9	1826.2	2003.4	2081.0	2015.8
72.5°	775.3	792.6	815.7	874.4	942.0	1049.8	1184.9	1375.6	1517.8	1607.6	1549.7
75°	436.7	461.1	468.2	512.7	568.4	653.5	752.2	889.0	1032.6	1105.5	1035.6
77.5°	188.6	208.7	217.5	238.2	281.6	317.2	377.3	469.6	580.6	631.8	548.0
80°	92.9	97.7	101.4	107.9	120.1	131.6	160.1	200.5	246.0	257.6	205.0
82.5°	71.9	75.4	81.8	86.8	89.9	92.9	95.7	101.2	105.5	107.9	101.8
85°	50.6	55.0	62.1	67.8	71.2	73.6	76.0	77.8	73.6	67.2	70.6
87.5°	13.2	17.3	24.1	26.1	29.6	31.2	30.6	31.6	28.5	20.7	23.0
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°	435.7	435.7	435.7	435.7	435.7	435.7	435.7	435.7
2.5°	438.0	437.8	438.0	438.0	438.0	437.7	437.8	437.7
5°	445.8	445.8	446.2	445.5	445.5	445.8	445.5	445.2
7.5°	459.1	458.8	458.8	458.4	458.8	458.4	458.4	458.1
10°	476.8	476.0	476.4	475.4	475.4	475.0	475.0	475.0
12.5°	495.8	494.7	495.0	494.0	492.4	492.7	493.0	492.7
15°	514.1	513.0	512.0	511.4	510.3	510.6	510.6	510.3
17.5°	532.7	530.6	530.3	529.3	529.0	529.0	529.0	529.3
20°	552.0	550.7	550.3	549.4	549.0	550.0	550.4	549.7
22.5°	572.8	572.1	572.8	572.1	573.1	573.8	574.1	573.4
25°	598.9	598.2	599.2	601.6	603.0	603.7	605.4	604.7
27.5°	632.5	631.8	634.2	637.6	639.7	643.0	644.7	645.4
30°	675.9	679.0	680.3	687.2	688.4	693.9	693.9	696.3
32.5°	739.0	744.8	755.0	765.5	780.1	790.6	790.6	796.0
35°	877.4	879.8	887.6	889.4	892.4	895.8	892.4	895.1
37.5°	983.6	973.2	965.6	955.2	948.8	948.8	949.4	948.7
40°	1038.0	1033.9	1030.5	1021.6	1020.4	1020.0	1020.0	1021.3
42.5°	1135.0	1125.2	1119.8	1112.2	1109.9	1109.2	1108.8	1109.6
45°	1261.2	1245.2	1230.7	1223.2	1216.8	1210.6	1212.7	1212.7
47.5°	1408.2	1383.4	1359.6	1346.8	1335.6	1330.4	1327.0	1326.0
50°	1587.0	1552.4	1521.8	1497.8	1481.4	1481.1	1482.8	1472.0
52.5°	1806.2	1751.5	1713.6	1681.0	1665.7	1664.0	1658.6	1652.5
55°	2049.2	1984.3	1921.6	1886.6	1866.6	1855.8	1849.2	1839.1
57.5°	2299.5	2212.4	2122.1	2066.1	2030.8	2006.4	1993.4	1987.7
60°	2492.6	2373.5	2254.4	2164.5	2105.8	2069.4	2047.1	2037.9
62.5°	2568.6	2407.1	2254.4	2136.4	2051.5	2001.2	1971.1	1957.9
65°	2478.0	2286.6	2112.9	1982.6	1888.0	1832.0	1799.0	1784.8
67.5°	2224.9	2055.9	1866.9	1737.3	1640.0	1584.6	1549.0	1538.5
70°	1865.2	1692.6	1512.0	1396.3	1309.4	1264.2	1227.3	1222.9
72.5°	1401.7	1252.8	1098.0	1002.3	932.4	857.8	838.8	848.3
75°	898.6	759.0	621.3	535.1	471.3	400.0	372.6	379.4
77.5°	425.5	329.4	237.8	183.9	154.4	132.0	126.2	122.8
80°	157.8	127.9	113.0	107.2	103.2	99.4	96.7	93.7
82.5°	102.2	99.8	96.7	95.7	92.6	87.9	79.0	75.3
85°	76.3	76.3	72.2	72.6	70.2	64.1	56.0	51.6
87.5°	22.4	20.0	18.3	17.0	16.6	15.0	10.9	9.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)