

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: P674407

Luminaire Tested: **CCP-SA-1E-735-U-AFL-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674407  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-735-U-AFL-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ AFL distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

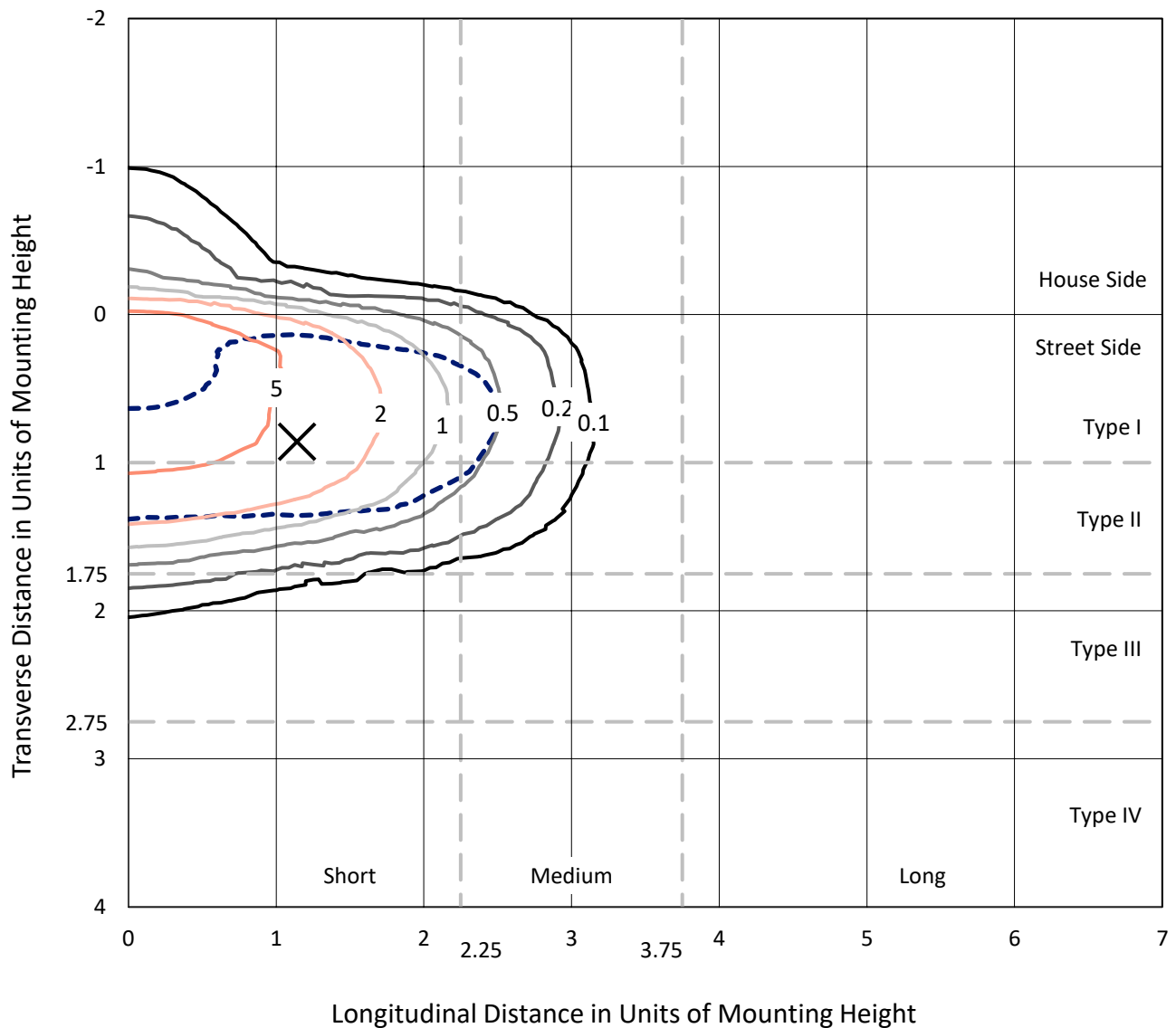
Lumens per Lamp: N/A  
Luminaire Lumens: 5592 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1  
Input Voltage (V): 120  
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

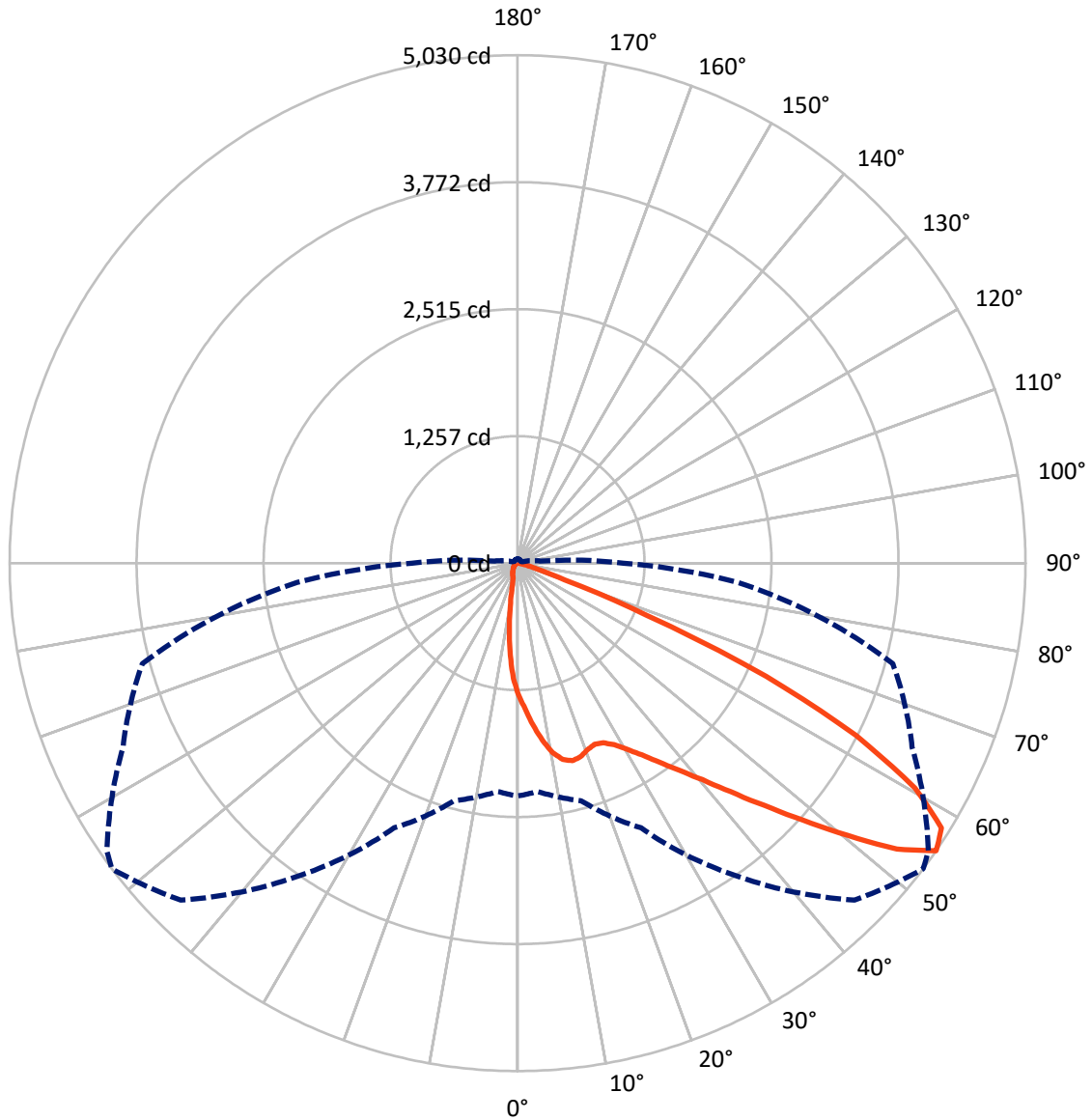
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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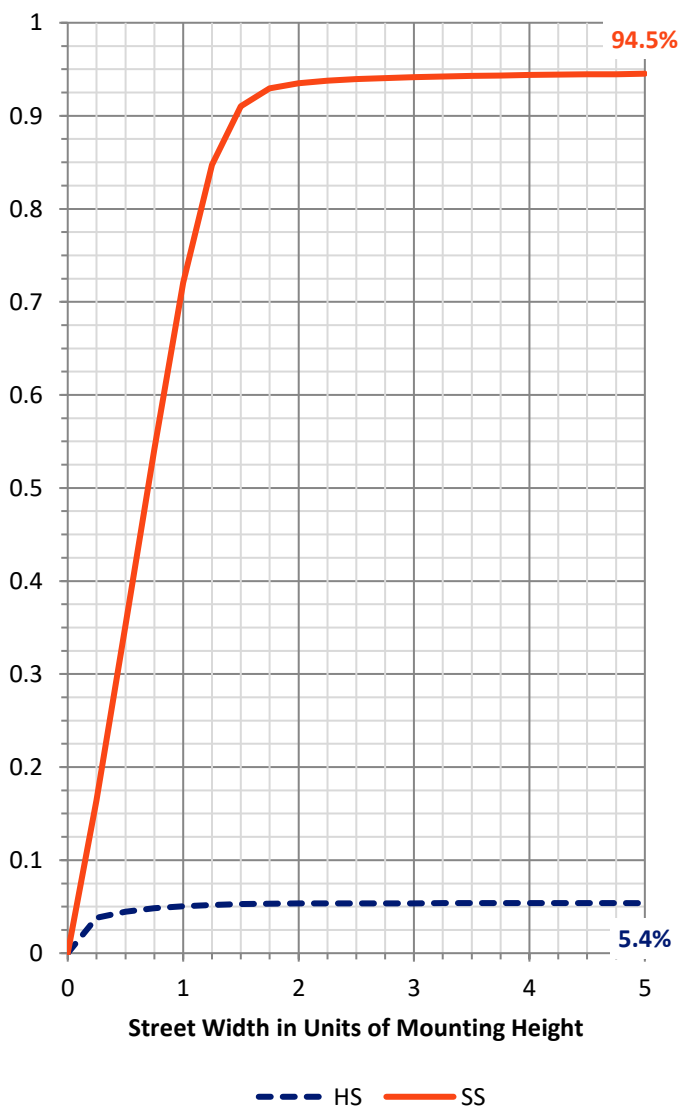
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	302.3	0.0	302.3
	% Fixture	5.4	0.0	5.4
<b>Street Side</b>	Lumens	5289.7	0.0	5289.7
	% Fixture	94.6	0.0	94.6
<b>Total</b>	Lumens	5592.0	0.0	5592.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.0	2.1
10°-20°	305.7	5.5
20°-30°	511.7	9.2
30°-40°	837.1	15.0
40°-50°	1345.7	24.1
50°-60°	1519.3	27.2
60°-70°	810.4	14.5
70°-80°	133.2	2.4
80°-90°	11.9	0.2
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°	5592.0	100.0
0°-180°	5592.0	100.0



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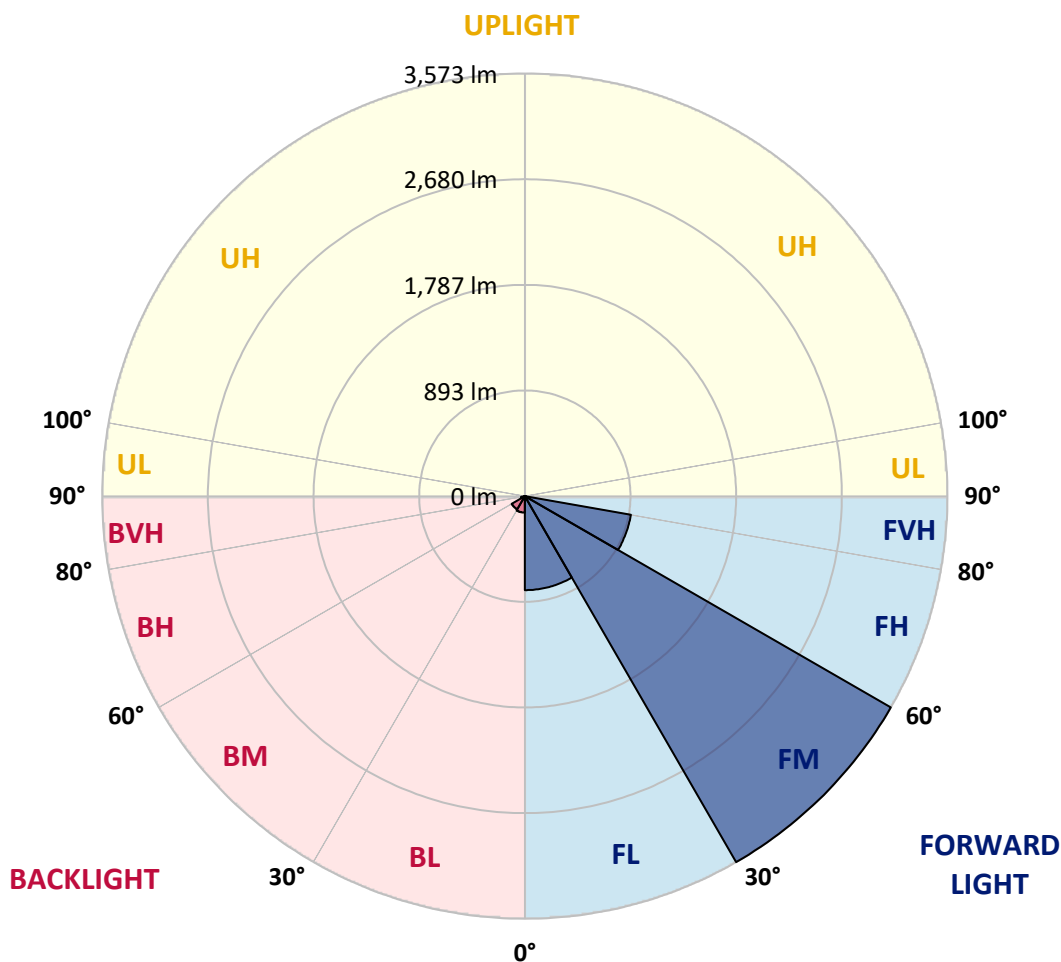
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	794.9	14.2			
FM (30°-60°)	3573.3	63.9			
FH (60°-80°)	910.5	16.3			G1/1800
FVH (80°-90°)	10.9	0.2			G1/100
BL (0°-30°)	139.5	2.5	B1/500		
BM (30°-60°)	128.8	2.3	B0/220		
BH (60°-80°)	33.0	0.6	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1569.3	1560.0	1565.4	1551.2	1525.2	1492.9	1444.4	1446.8	1408.6	1375.3	1329.2
5°	1828.5	1818.7	1815.8	1779.5	1743.2	1684.9	1612.9	1601.2	1531.1	1446.3	1349.8
7.5°	1965.2	1956.9	1963.2	1950.0	1914.2	1861.3	1770.2	1761.4	1653.1	1524.7	1382.6
10°	1902.5	1899.5	1926.5	1957.8	1986.7	1980.4	1907.4	1893.7	1772.1	1611.0	1416.4
12.5°	1733.9	1743.2	1777.5	1835.4	1924.5	2008.3	1996.5	1999.0	1893.7	1704.5	1453.7
15°	1635.0	1646.2	1665.8	1695.7	1805.5	1954.4	2030.4	2054.8	2010.3	1808.9	1497.8
17.5°	1626.6	1635.9	1638.9	1650.2	1714.3	1867.7	2016.6	2063.2	2114.1	1907.4	1547.3
20°	1690.8	1694.7	1692.3	1684.0	1707.0	1820.7	1973.5	2040.1	2199.9	2012.2	1590.9
22.5°	1811.8	1806.0	1798.6	1767.7	1766.3	1833.9	1950.0	2019.6	2250.8	2098.9	1619.8
25°	1961.8	1949.5	1939.2	1895.6	1875.0	1903.0	1971.1	2026.9	2296.9	2183.2	1640.4
27.5°	2125.4	2129.3	2103.8	2045.0	2012.7	2006.8	2036.2	2077.9	2341.5	2258.7	1651.6
30°	2300.3	2302.3	2269.0	2208.2	2178.8	2141.1	2139.1	2164.1	2389.5	2345.4	1662.4
32.5°	2499.7	2505.1	2450.7	2387.5	2336.1	2287.1	2263.1	2284.1	2475.7	2458.6	1684.4
35°	2787.8	2764.3	2690.8	2595.3	2522.3	2458.1	2421.3	2435.0	2590.4	2594.3	1728.5
37.5°	3084.7	3082.3	3000.9	2863.3	2743.7	2663.9	2601.1	2623.7	2751.6	2776.1	1799.1
40°	3361.5	3367.9	3297.4	3177.3	3023.5	2886.3	2819.2	2834.4	2965.7	2996.5	1884.8
42.5°	3542.3	3538.9	3544.3	3510.0	3355.7	3194.0	3093.1	3101.4	3214.6	3230.7	1992.1
45°	3625.6	3612.4	3658.5	3767.2	3706.0	3536.0	3420.8	3410.5	3472.8	3468.4	2089.6
47.5°	3553.6	3529.1	3634.9	3897.1	4015.6	3964.2	3799.6	3780.9	3728.0	3692.7	2191.1
50°	3195.5	3184.7	3411.0	3835.3	4210.1	4360.1	4239.0	4170.0	3955.9	3858.4	2244.5
52.5°	2854.9	2825.0	2977.9	3520.3	4123.4	4678.5	4703.5	4580.5	4145.0	3905.9	2226.3
55°	2306.2	2269.4	2436.0	2892.2	3780.0	4719.2	5029.8	4965.6	4310.6	3847.1	2189.6
57.5°	1400.8	1364.5	1609.5	2071.5	3023.0	4381.1	4949.5	5014.6	4438.0	3782.4	2165.6
60°	588.9	565.9	661.9	988.7	1930.4	3600.6	4523.2	4685.9	4462.0	3693.7	2175.4
62.5°	306.2	295.9	301.3	395.9	780.5	2370.9	3764.8	4048.0	4219.9	3654.5	2185.2
65°	229.8	221.9	204.8	217.5	303.3	1025.0	2705.5	3084.7	3695.2	3555.1	2119.0
67.5°	188.6	181.3	169.0	165.1	178.8	355.7	1381.2	1874.1	2895.6	3131.3	1881.9
70°	150.4	148.0	144.0	136.7	134.2	172.5	495.3	763.8	1914.7	2208.2	1364.0
72.5°	125.4	125.9	121.5	115.1	106.3	111.2	197.4	261.1	926.5	1058.8	571.3
75°	104.8	104.8	106.3	97.5	88.7	76.4	109.7	127.4	297.4	244.5	122.0
77.5°	82.3	83.3	89.7	82.3	71.0	48.0	59.8	68.1	88.2	70.6	44.6
80°	65.7	64.7	62.2	74.0	63.7	33.8	28.4	31.4	41.2	33.8	22.0
82.5°	46.1	45.6	43.6	50.0	49.5	25.0	18.6	19.1	25.0	21.6	13.7
85°	11.3	13.2	27.9	23.5	20.6	14.7	11.3	12.2	16.2	14.2	7.3
87.5°	4.9	4.9	12.7	15.2	9.8	6.4	4.9	5.4	8.3	8.3	4.4
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7	1308.7
2.5°	1313.1	1281.2	1241.0	1198.4	1154.8	1102.4	1069.1	1041.6	1020.1	1003.4	997.5
5°	1318.0	1256.7	1165.6	1052.4	937.3	829.5	746.2	684.5	633.5	605.6	593.3
7.5°	1317.5	1236.1	1071.5	881.9	694.7	539.4	429.2	361.1	315.5	296.9	285.6
10°	1317.0	1209.2	964.2	692.8	464.5	312.6	230.3	192.1	175.4	169.0	168.1
12.5°	1331.2	1178.3	844.2	510.0	291.5	194.5	160.2	151.4	147.5	145.5	145.0
15°	1339.0	1149.9	717.8	360.1	196.5	153.8	143.1	139.1	137.7	136.7	136.2
17.5°	1347.4	1105.8	597.7	260.7	157.3	139.6	133.3	130.8	129.8	129.8	129.8
20°	1348.8	1058.3	478.7	192.1	139.6	130.3	124.0	121.5	120.0	119.1	119.1
22.5°	1338.1	1001.9	376.3	155.8	129.3	121.5	114.6	110.7	108.3	107.8	107.8
25°	1311.1	922.1	288.6	136.7	121.0	112.7	104.4	99.9	98.0	98.0	98.0
27.5°	1272.4	828.0	222.9	121.5	110.2	101.9	94.6	90.6	90.2	89.7	90.2
30°	1228.3	737.4	170.5	107.8	97.5	90.6	84.8	82.8	83.8	83.8	84.3
32.5°	1184.2	646.7	133.3	97.0	86.2	80.4	77.4	77.4	78.9	78.9	78.9
35°	1146.5	558.1	111.7	88.2	78.4	73.5	72.0	73.5	74.5	75.0	75.0
37.5°	1125.4	481.6	98.5	80.4	72.0	68.1	67.6	69.1	71.0	72.5	73.0
40°	1117.6	422.8	90.6	74.5	66.1	63.7	63.2	65.2	68.6	71.0	71.5
42.5°	1118.1	370.9	83.8	68.6	62.2	58.8	58.8	61.7	65.2	67.6	67.6
45°	1121.5	326.3	76.9	62.7	58.8	52.9	53.4	57.3	59.8	62.2	62.2
47.5°	1124.4	290.5	69.6	56.3	51.0	48.0	49.0	51.9	55.4	59.3	59.3
50°	1107.3	265.1	62.2	49.5	44.6	43.6	45.6	48.0	52.9	56.8	57.3
52.5°	1066.1	242.0	55.9	44.1	40.2	40.7	43.1	44.6	48.5	49.0	49.5
55°	1048.0	230.3	51.0	40.2	36.7	38.2	39.7	40.2	39.2	36.7	36.7
57.5°	1044.1	222.4	46.1	36.3	33.8	35.8	35.3	32.3	29.4	26.5	26.0
60°	1048.0	211.7	42.1	31.4	30.9	31.4	29.9	24.5	20.6	18.6	17.6
62.5°	1025.5	196.0	38.7	26.9	26.9	26.5	22.5	16.7	13.2	11.8	11.3
65°	951.0	165.1	35.3	22.5	22.0	21.1	15.2	11.3	8.8	7.3	6.9
67.5°	804.5	127.9	31.8	18.6	17.6	14.7	9.8	7.3	4.9	4.4	3.9
70°	548.7	79.4	26.9	14.7	13.2	9.3	5.9	4.4	2.9	2.4	2.0
72.5°	198.9	46.1	22.5	11.3	8.8	5.9	3.4	2.0	1.5	1.5	1.0
75°	47.0	32.3	17.1	8.3	5.9	3.4	2.0	1.5	1.0	1.0	0.5
77.5°	21.6	25.0	11.3	4.9	3.9	2.4	1.5	1.0	0.5	0.5	0.0
80°	12.2	17.6	5.4	3.4	2.9	2.0	1.0	0.5	0.5	0.0	0.0
82.5°	6.4	9.8	3.9	2.9	2.4	1.5	1.0	0.0	0.0	0.0	0.0
85°	4.4	4.9	2.9	2.4	2.0	1.5	1.0	0.0	0.0	0.0	0.0
87.5°	3.4	3.4	2.9	2.4	2.0	1.5	0.5	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)