

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: P674675

Luminaire Tested: **CCP-SA-2A-727-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674675  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-727-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield  
Light Source: (32) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

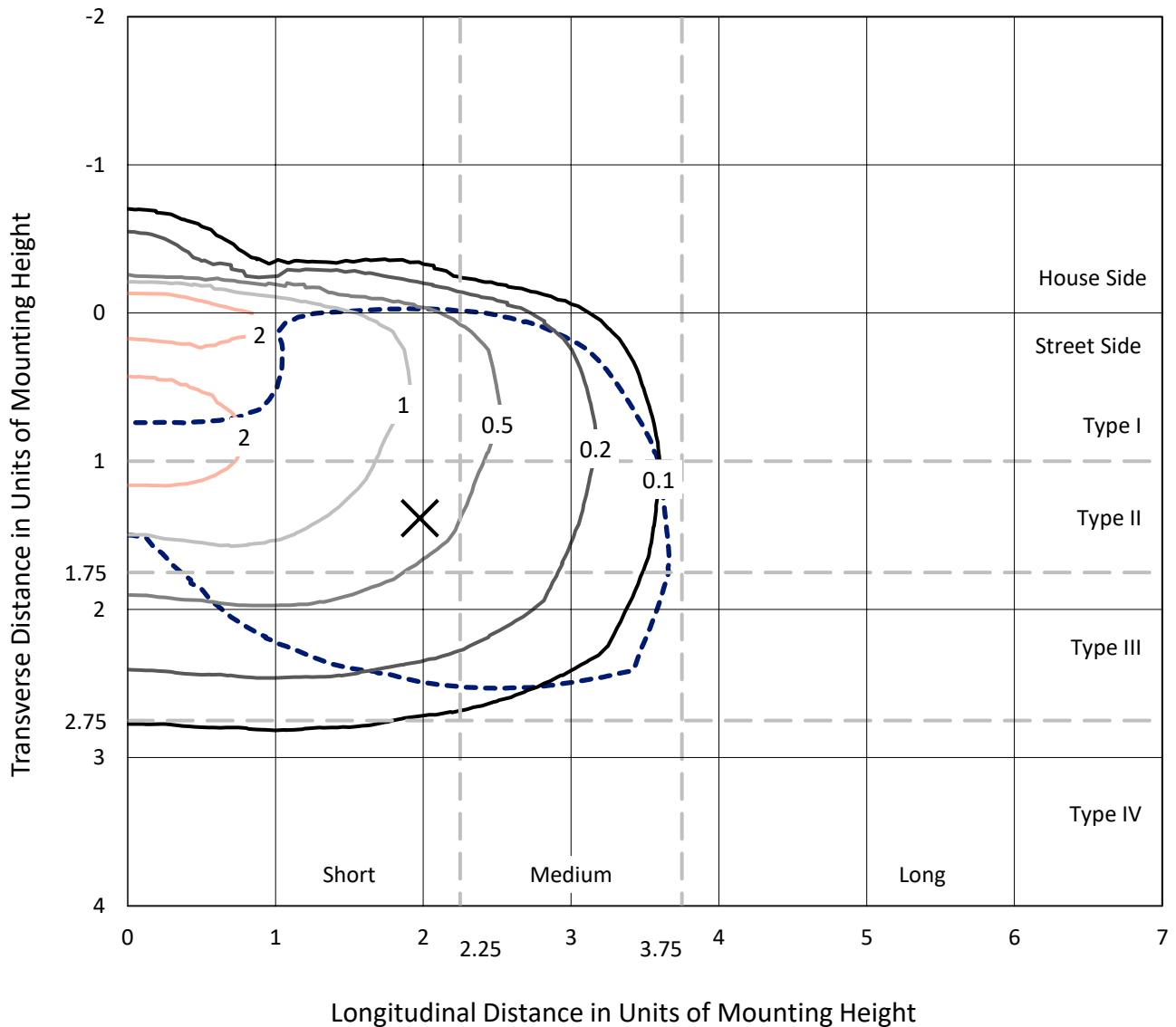
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3629.1 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 36.2  
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

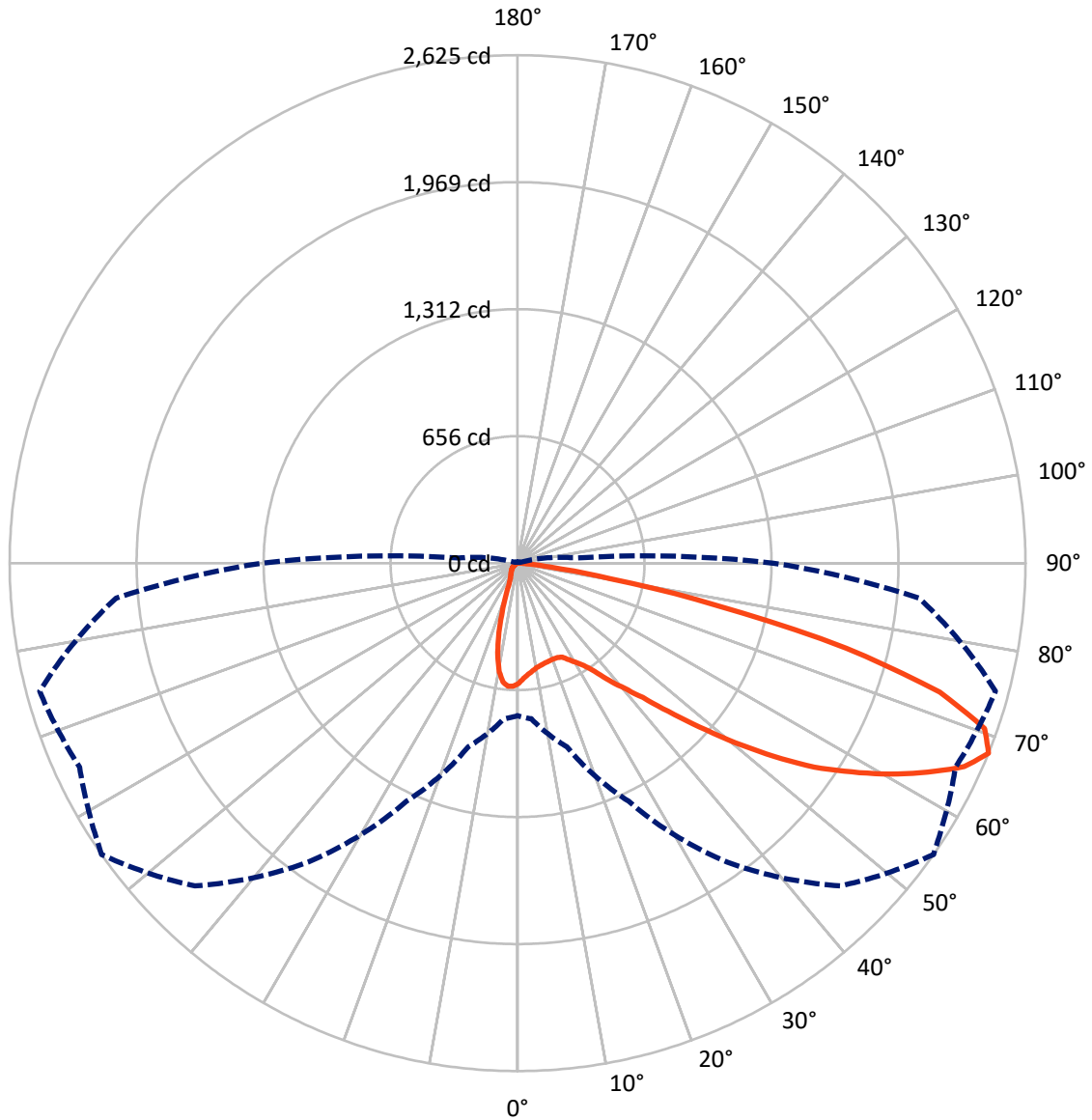
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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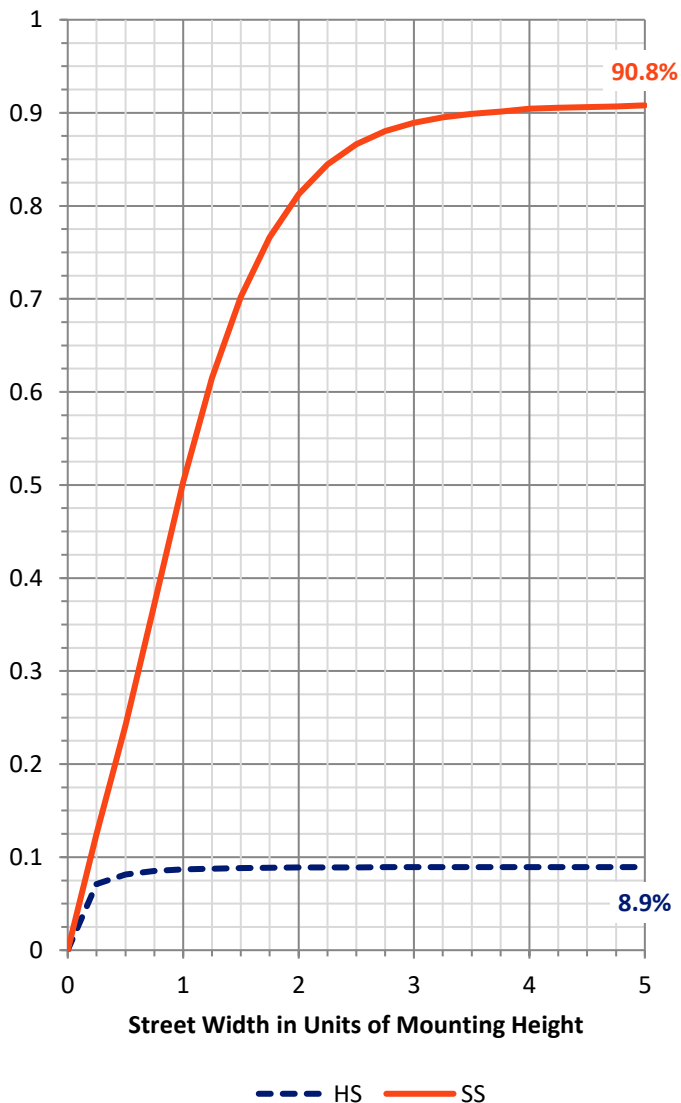
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	326.0	0.0	326.0
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	3303.1	0.0	3303.1
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	3629.1	0.0	3629.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.6	1.5
10°-20°	124.3	3.4
20°-30°	199.4	5.5
30°-40°	345.8	9.5
40°-50°	576.6	15.9
50°-60°	843.2	23.2
60°-70°	983.2	27.1
70°-80°	477.1	13.1
80°-90°	24.9	0.7
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°	3629.1	100.0
0°-180°	3629.1	100.0



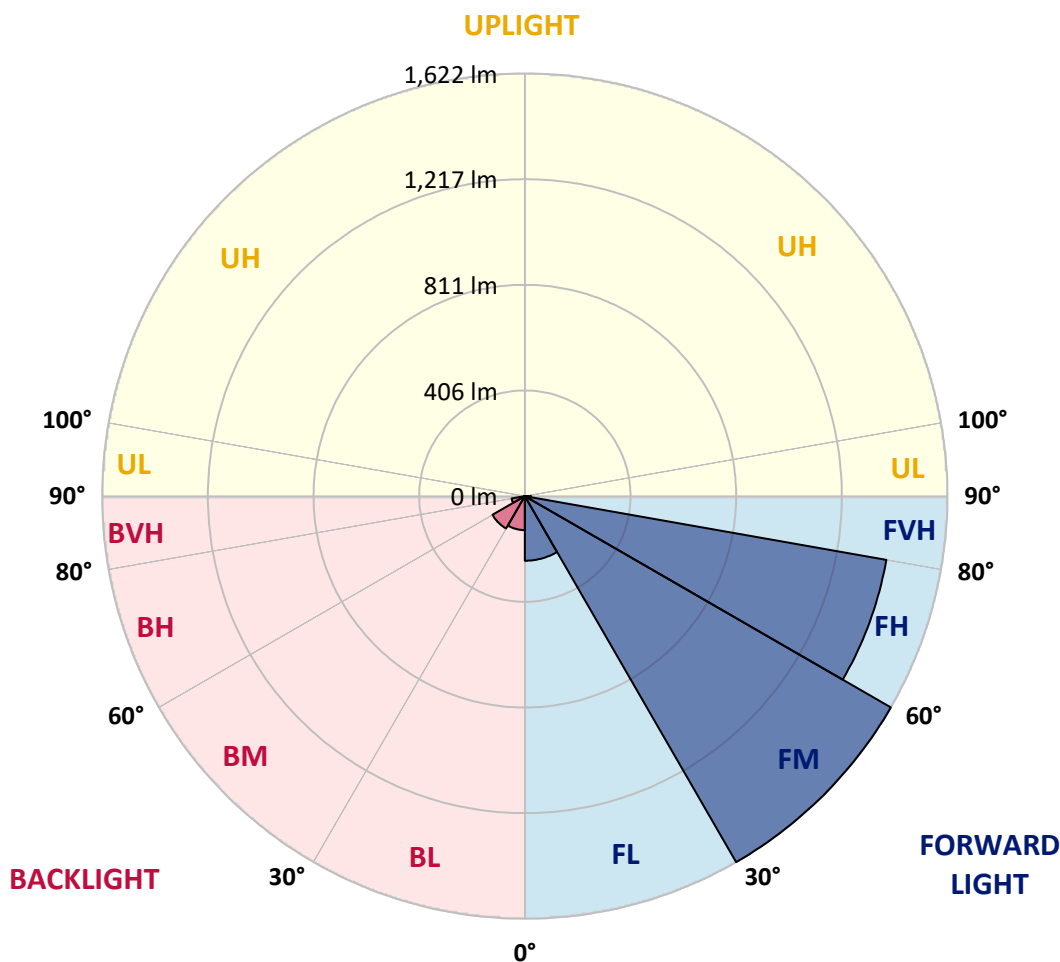
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.9	6.8			
FM (30°-60°)	1622.1	44.7			
FH (60°-80°)	1408.9	38.8			G1/1800
FVH (80°-90°)	24.2	0.7			G1/100
BL (0°-30°)	130.3	3.6	B1/500		
BM (30°-60°)	143.5	4.0	B0/220		
BH (60°-80°)	51.4	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9
2.5°	574.1	577.8	582.5	584.1	589.8	597.9	595.5	593.8	602.9	615.2	619.3
5°	538.3	538.7	546.0	551.4	561.1	568.8	577.1	576.5	592.8	613.9	627.3
7.5°	503.2	503.9	511.6	519.9	534.0	549.0	561.7	561.1	587.5	615.6	641.0
10°	457.1	460.4	469.8	484.5	506.6	530.3	548.0	549.7	581.5	621.9	659.7
12.5°	420.0	421.6	432.0	451.1	477.1	508.2	541.3	540.3	582.8	633.6	684.1
15°	404.3	403.3	409.6	423.6	453.4	492.5	534.7	537.0	587.5	647.0	709.5
17.5°	407.9	406.9	410.3	415.3	436.4	479.5	531.0	535.0	594.8	661.0	733.3
20°	448.7	441.7	435.7	430.3	433.3	468.8	528.6	533.0	599.2	671.7	758.4
22.5°	527.3	518.6	502.6	472.8	453.1	469.5	529.3	535.0	608.9	689.1	788.8
25°	655.4	647.0	612.6	551.7	499.5	493.5	538.3	544.4	631.3	715.6	821.2
27.5°	824.9	806.2	764.4	677.1	576.5	532.0	565.4	572.1	663.1	735.9	843.3
30°	965.7	961.3	921.2	814.2	682.4	588.5	595.8	599.5	677.4	748.3	865.4
32.5°	1111.8	1102.8	1066.0	962.0	805.5	669.1	630.0	631.6	696.2	766.7	897.4
35°	1238.8	1230.5	1199.7	1098.7	949.3	777.4	686.5	682.8	734.9	807.2	940.9
37.5°	1356.5	1355.5	1328.5	1225.5	1078.3	889.8	769.7	766.7	795.5	851.6	999.8
40°	1471.6	1468.9	1445.8	1351.9	1205.4	1001.8	849.0	841.3	847.0	913.8	1077.3
42.5°	1542.1	1547.8	1555.8	1496.3	1356.2	1133.2	949.3	944.6	943.6	1011.1	1179.3
45°	1580.2	1590.3	1637.4	1632.1	1516.0	1296.7	1092.1	1080.0	1076.0	1144.9	1296.0
47.5°	1617.3	1621.7	1698.9	1731.4	1669.2	1467.2	1264.6	1247.9	1231.5	1308.1	1435.5
50°	1619.7	1626.7	1722.3	1801.3	1797.6	1635.1	1458.2	1443.5	1424.8	1506.7	1571.5
52.5°	1586.9	1601.0	1719.3	1845.4	1877.2	1783.2	1659.1	1647.1	1631.7	1692.9	1686.2
55°	1360.6	1384.3	1660.5	1849.4	1933.0	1910.3	1861.1	1844.4	1829.3	1872.8	1798.6
57.5°	1252.9	1266.3	1481.9	1846.4	2004.2	2028.0	2036.3	2028.6	2007.6	2061.7	1915.9
60°	1188.4	1207.7	1396.7	1813.0	2081.1	2161.0	2213.5	2198.1	2172.4	2247.0	2041.7
62.5°	1111.1	1125.2	1311.7	1716.7	2126.9	2296.5	2379.7	2365.7	2312.5	2417.8	2143.3
65°	968.7	989.7	1176.6	1565.2	2065.4	2395.8	2536.2	2531.5	2439.2	2546.9	2171.1
67.5°	788.4	807.5	981.7	1357.5	1885.5	2358.6	2624.8	2610.1	2496.7	2556.6	2083.1
70°	591.8	602.2	733.6	1037.2	1544.8	2160.4	2560.6	2557.6	2409.5	2412.8	1813.3
72.5°	317.7	346.4	487.8	694.2	1086.4	1749.8	2282.1	2270.0	2149.7	1976.1	1304.0
75°	111.0	119.4	259.8	389.9	590.2	1165.6	1754.8	1726.7	1607.7	1285.3	710.5
77.5°	68.2	74.9	115.4	199.3	229.7	505.9	1054.3	1017.8	940.9	555.7	242.8
80°	47.1	53.2	77.2	104.3	78.2	163.8	485.2	471.5	362.8	132.4	55.8
82.5°	26.4	31.8	58.5	51.2	31.4	42.5	168.2	155.8	96.6	35.8	18.7
85°	15.4	18.4	41.1	36.1	16.0	15.0	43.8	39.1	25.1	13.4	9.0
87.5°	8.0	10.4	30.1	24.1	9.7	5.3	10.0	9.7	6.4	4.7	6.0
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9	621.9
2.5°	626.6	624.9	633.6	636.6	636.0	634.6	638.0	633.6	633.3	632.3	631.3
5°	638.0	640.7	647.7	647.7	638.3	622.9	613.6	600.9	590.2	583.8	582.8
7.5°	655.0	660.4	665.1	650.7	618.6	580.5	540.0	508.2	480.5	466.1	464.8
10°	679.1	684.1	680.4	639.3	570.4	491.5	425.7	359.4	326.3	308.3	308.3
12.5°	707.9	711.9	689.5	610.9	491.2	376.8	288.9	219.3	186.2	164.8	163.5
15°	739.0	740.0	688.1	561.4	393.2	253.1	165.8	121.7	107.7	104.7	104.0
17.5°	766.0	762.0	674.1	488.2	283.2	150.8	105.3	95.3	92.6	92.6	92.6
20°	791.5	778.1	646.0	402.9	181.6	102.7	90.6	87.9	87.9	88.3	88.3
22.5°	819.5	793.1	605.9	308.3	116.7	87.9	84.9	83.6	83.3	84.3	83.9
25°	852.6	807.8	548.4	213.0	90.3	81.9	80.6	79.2	79.2	79.2	79.2
27.5°	871.0	805.8	482.8	134.4	78.9	75.9	74.6	73.2	72.2	71.9	72.2
30°	887.1	794.1	397.2	94.0	71.2	67.9	66.9	65.2	63.2	62.5	62.5
32.5°	908.1	784.4	307.6	75.6	64.5	60.9	57.8	55.2	51.8	50.5	50.2
35°	931.6	766.7	225.4	66.5	58.5	53.8	49.2	44.8	40.5	39.1	38.8
37.5°	960.6	750.7	152.8	61.5	53.5	47.8	41.5	35.4	31.4	30.8	30.8
40°	1000.1	737.3	105.7	57.2	48.8	42.1	34.4	28.1	25.4	24.7	24.7
42.5°	1053.9	726.3	79.9	53.5	44.8	36.4	27.8	23.1	21.1	20.4	20.4
45°	1117.5	709.2	67.5	50.2	40.8	30.8	23.1	19.4	18.4	18.4	18.4
47.5°	1190.4	687.8	61.5	46.8	36.4	25.1	19.4	17.7	17.4	17.4	17.7
50°	1263.9	662.4	57.2	42.8	31.4	21.4	17.7	16.7	16.7	17.1	17.1
52.5°	1313.7	622.6	52.8	38.5	26.4	18.7	16.7	16.4	16.0	16.0	16.0
55°	1362.2	587.8	46.8	33.8	22.1	17.4	16.0	15.7	15.7	15.4	15.4
57.5°	1412.7	560.4	39.1	28.1	18.7	16.4	15.4	15.4	14.7	14.4	14.4
60°	1471.2	536.3	30.1	22.1	16.4	15.4	14.4	14.0	13.4	12.7	12.7
62.5°	1488.3	485.5	22.7	17.7	14.0	13.4	13.0	12.4	10.7	9.4	9.7
65°	1443.8	405.6	18.1	14.0	11.4	11.4	10.4	8.7	7.0	6.0	6.0
67.5°	1321.1	302.9	14.7	11.0	9.0	8.7	7.4	6.4	4.3	3.7	3.7
70°	1088.7	200.3	12.0	8.7	7.4	6.0	5.0	4.7	3.3	2.7	2.7
72.5°	763.0	108.7	10.0	7.0	5.3	4.0	3.3	3.0	2.3	2.0	1.7
75°	402.9	41.8	8.0	5.3	3.3	2.7	2.0	2.0	1.7	1.3	1.3
77.5°	138.1	17.7	5.7	3.0	2.3	1.7	1.3	1.0	1.3	1.0	1.0
80°	32.8	10.4	3.7	2.0	1.3	1.0	1.0	0.7	0.7	0.7	0.7
82.5°	14.4	6.0	2.3	1.3	1.3	1.0	0.7	0.3	0.3	0.3	0.3
85°	9.7	3.7	1.7	1.3	1.0	0.7	0.3	0.3	0.0	0.0	0.0
87.5°	7.7	2.3	1.3	1.3	1.0	0.7	0.3	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)