

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: P674663

Luminaire Tested: **CCP-SA-1F-722-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674663  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-722-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

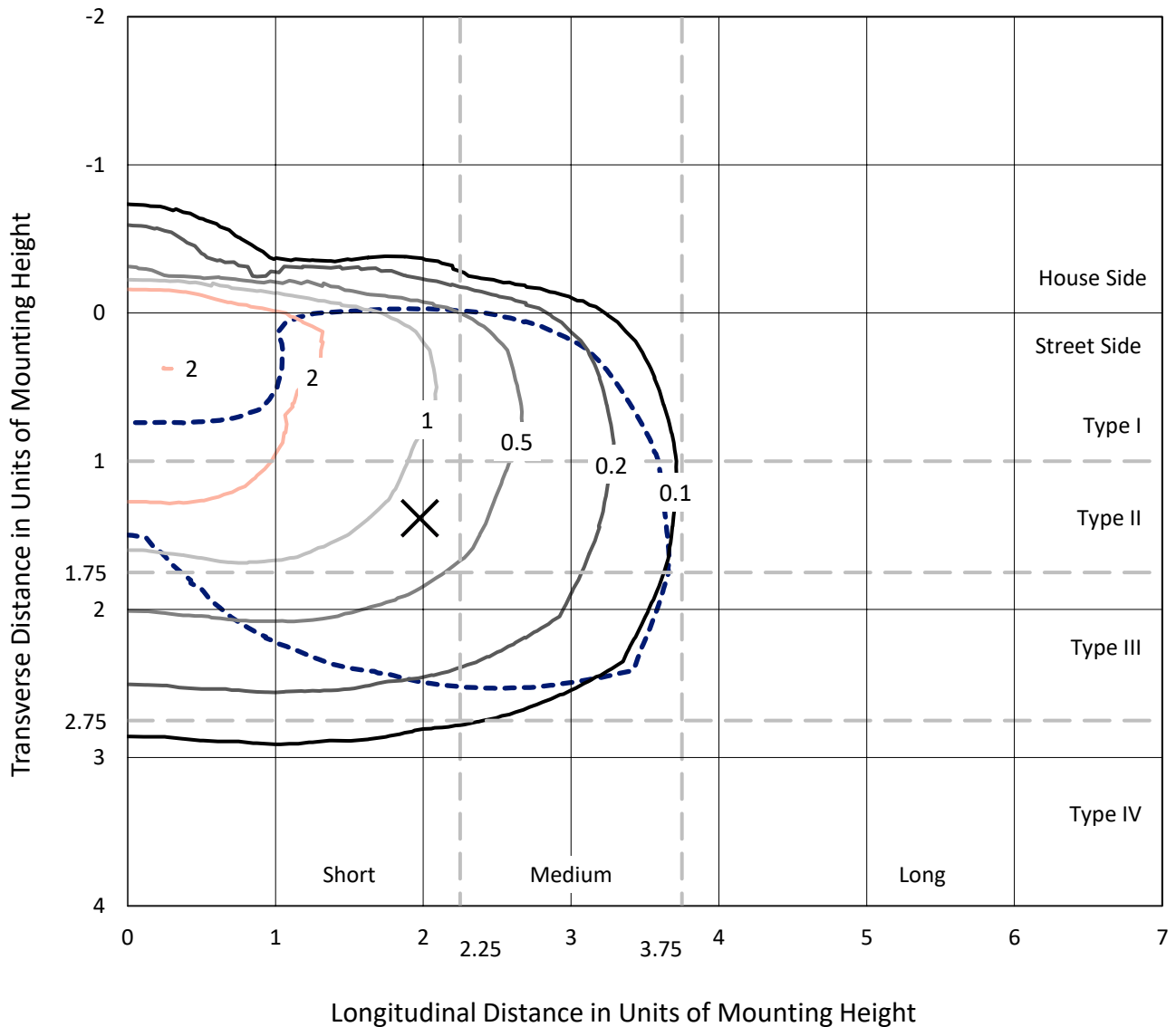
Lumens per Lamp: N/A  
Luminaire Lumens: 4380.1 lumens  
Efficiency: N/A  
Efficacy: 65.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 67  
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

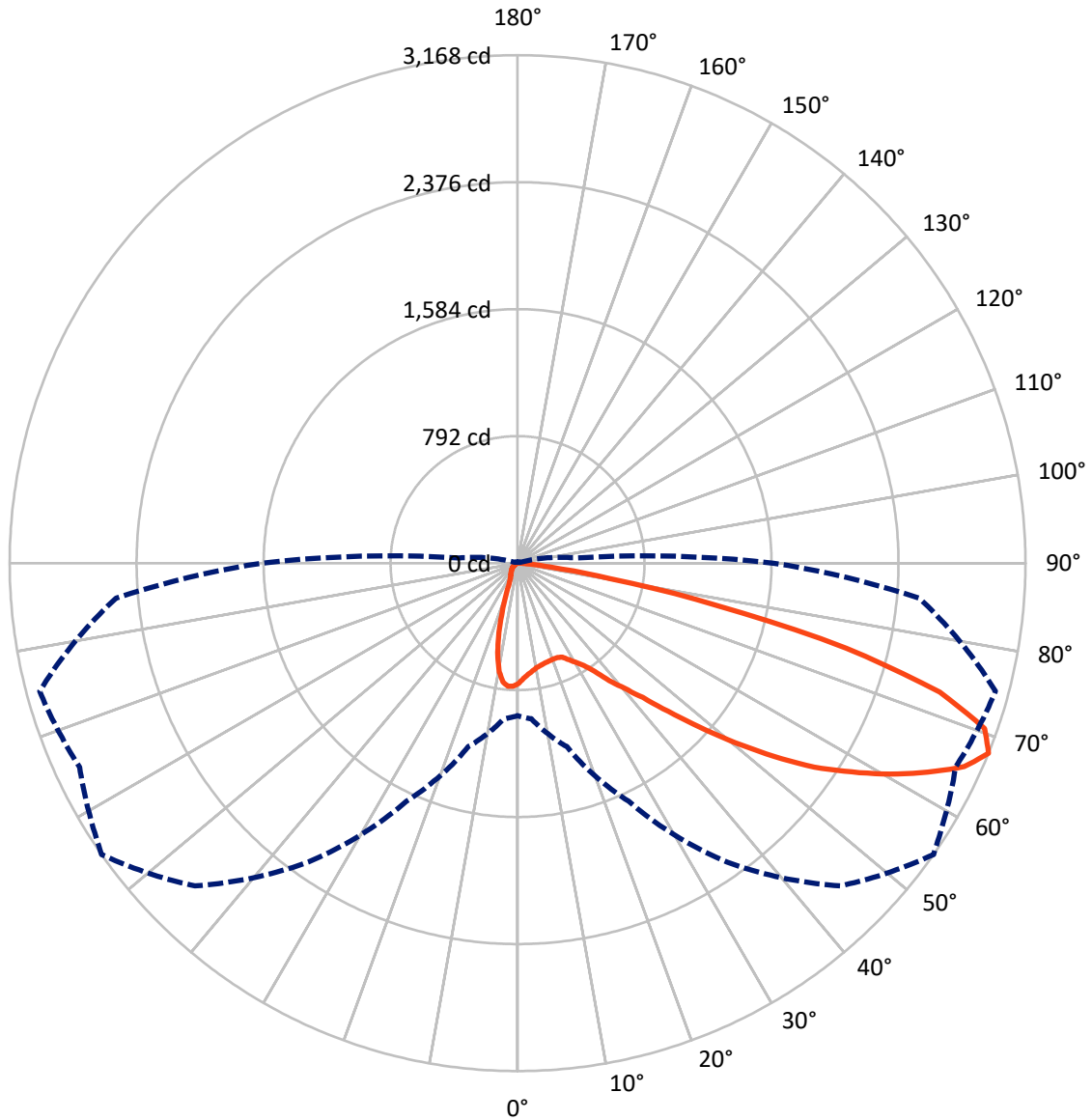
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 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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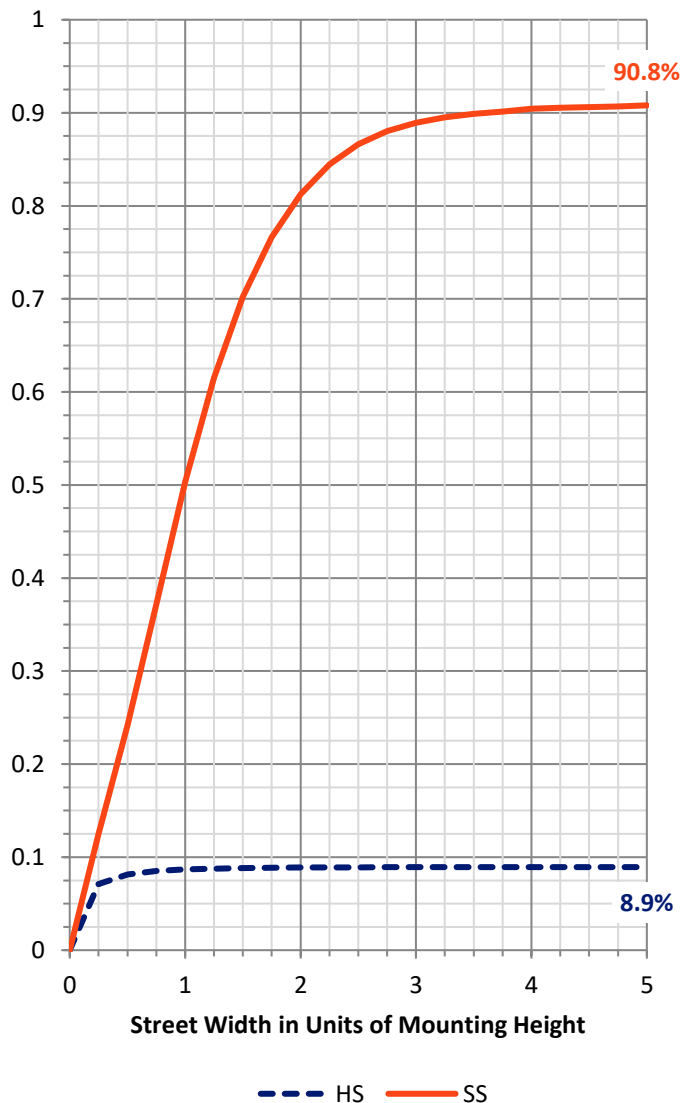
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	393.5	0.0	393.5
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	3986.6	0.0	3986.6
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	4380.1	0.0	4380.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.9	1.5
10°-20°	150.0	3.4
20°-30°	240.6	5.5
30°-40°	417.4	9.5
40°-50°	695.9	15.9
50°-60°	1017.7	23.2
60°-70°	1186.6	27.1
70°-80°	575.9	13.1
80°-90°	30.1	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°	4380.1	100.0
0°-180°	4380.1	100.0



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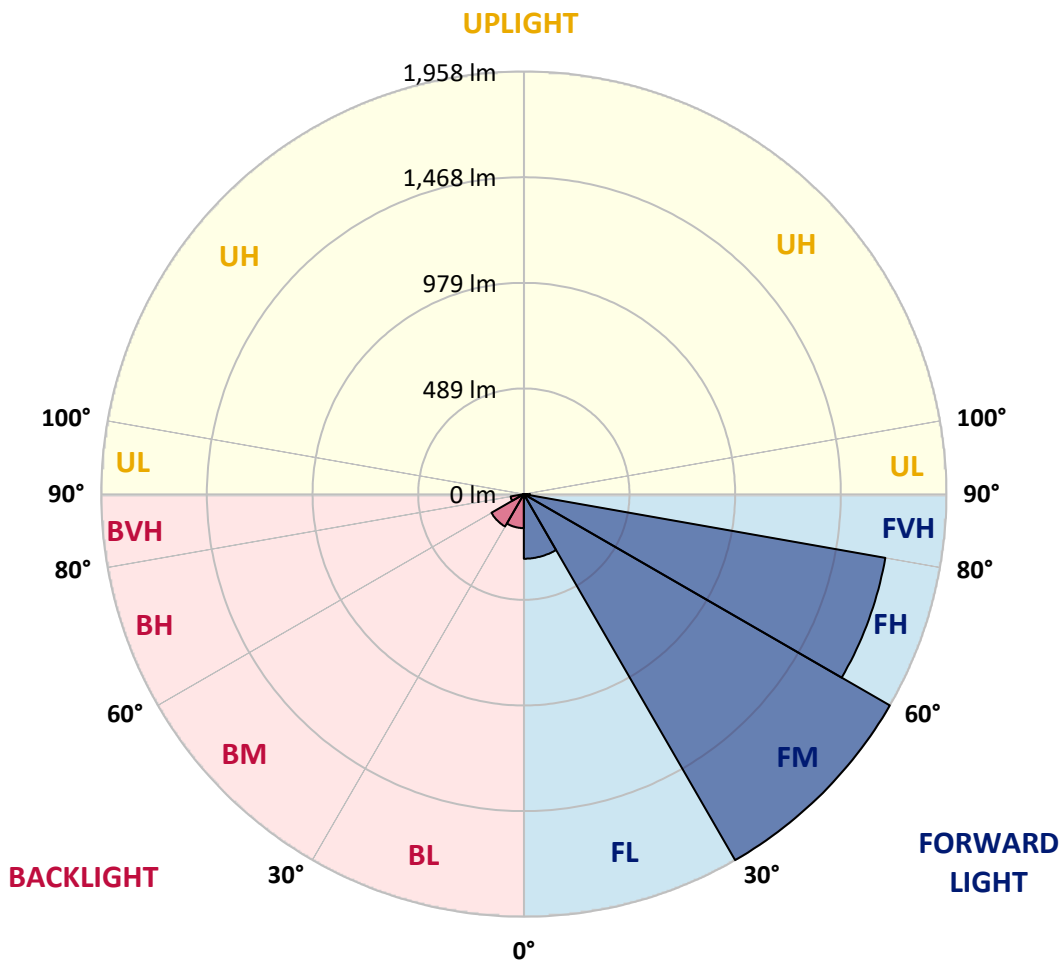
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.2	6.8			
FM (30°-60°)	1957.7	44.7			
FH (60°-80°)	1700.4	38.8			G1/1800
FVH (80°-90°)	29.2	0.7			G1/100
BL (0°-30°)	157.3	3.6	B1/500		
BM (30°-60°)	173.2	4.0	B0/220		
BH (60°-80°)	62.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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°	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6
2.5°	692.9	697.4	703.0	705.0	711.9	721.6	718.7	716.7	727.6	742.5	747.4
5°	649.7	650.1	659.0	665.5	677.2	686.5	696.5	695.7	715.5	740.9	757.1
7.5°	607.4	608.2	617.4	627.5	644.5	662.6	678.0	677.2	709.1	743.0	773.6
10°	551.7	555.7	567.0	584.8	611.4	640.0	661.4	663.5	701.8	750.6	796.2
12.5°	506.9	508.9	521.4	544.4	575.9	613.4	653.4	652.2	703.4	764.7	825.7
15°	487.9	486.7	494.4	511.3	547.2	594.4	645.3	648.1	709.1	780.9	856.4
17.5°	492.3	491.1	495.2	501.2	526.6	578.7	640.9	645.7	717.9	797.8	885.0
20°	541.6	533.1	525.8	519.4	523.0	565.8	638.0	643.3	723.2	810.8	915.3
22.5°	636.4	625.9	606.5	570.6	546.8	566.6	638.8	645.7	734.9	831.7	952.0
25°	791.0	780.9	739.3	665.9	602.9	595.7	649.7	657.0	761.9	863.6	991.1
27.5°	995.6	973.0	922.5	817.2	695.7	642.1	682.4	690.5	800.3	888.2	1017.8
30°	1165.5	1160.2	1111.8	982.7	823.7	710.3	719.1	723.6	817.6	903.2	1044.4
32.5°	1341.8	1330.9	1286.5	1161.0	972.2	807.5	760.3	762.3	840.2	925.4	1083.2
35°	1495.2	1485.1	1448.0	1326.1	1145.7	938.3	828.5	824.1	887.0	974.2	1135.6
37.5°	1637.2	1636.0	1603.3	1479.0	1301.5	1073.9	929.0	925.4	960.1	1027.9	1206.6
40°	1776.1	1772.8	1745.0	1631.6	1454.8	1209.1	1024.6	1015.4	1022.2	1102.9	1300.3
42.5°	1861.2	1868.1	1877.8	1805.9	1636.8	1367.7	1145.7	1140.1	1138.8	1220.4	1423.4
45°	1907.2	1919.3	1976.2	1969.8	1829.7	1565.0	1318.0	1303.5	1298.7	1381.8	1564.2
47.5°	1952.0	1957.3	2050.5	2089.6	2014.6	1770.8	1526.3	1506.1	1486.3	1578.7	1732.5
50°	1954.8	1963.3	2078.7	2174.0	2169.5	1973.4	1759.9	1742.2	1719.6	1818.4	1896.7
52.5°	1915.3	1932.2	2075.1	2227.2	2265.6	2152.2	2002.5	1987.9	1969.4	2043.2	2035.1
55°	1642.1	1670.7	2004.1	2232.1	2333.0	2305.5	2246.2	2226.0	2207.9	2260.3	2170.7
57.5°	1512.1	1528.3	1788.6	2228.5	2418.9	2447.6	2457.7	2448.4	2423.0	2488.3	2312.4
60°	1434.2	1457.7	1685.7	2188.1	2511.8	2608.2	2671.6	2653.0	2621.9	2711.9	2464.1
62.5°	1341.0	1358.0	1583.2	2071.9	2567.0	2771.6	2872.1	2855.2	2791.0	2918.1	2586.8
65°	1169.1	1194.5	1420.1	1889.1	2492.8	2891.5	3061.0	3055.3	2944.0	3073.9	2620.3
67.5°	951.6	974.6	1184.8	1638.5	2275.7	2846.7	3167.9	3150.2	3013.4	3085.6	2514.2
70°	714.3	726.8	885.4	1251.8	1864.4	2607.4	3090.5	3086.8	2908.0	2912.1	2188.5
72.5°	383.4	418.1	588.8	837.8	1311.2	2111.8	2754.3	2739.8	2594.5	2385.0	1573.9
75°	134.0	144.1	313.6	470.5	712.3	1406.8	2117.9	2084.0	1940.3	1551.3	857.6
77.5°	82.3	90.4	139.2	240.5	277.2	610.6	1272.4	1228.4	1135.6	670.7	293.0
80°	56.9	64.2	93.2	125.9	94.4	197.7	585.6	569.0	437.9	159.8	67.4
82.5°	31.9	38.3	70.6	61.7	37.9	51.3	203.0	188.1	116.6	43.2	22.6
85°	18.6	22.2	49.6	43.6	19.4	18.2	52.9	47.2	30.3	16.1	10.9
87.5°	9.7	12.5	36.3	29.1	11.7	6.5	12.1	11.7	7.7	5.6	7.3
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°	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6	750.6
2.5°	756.3	754.3	764.7	768.4	767.6	766.0	770.0	764.7	764.3	763.1	761.9
5°	770.0	773.2	781.7	781.7	770.4	751.8	740.5	725.2	712.3	704.6	703.4
7.5°	790.6	797.0	802.7	785.3	746.6	700.6	651.7	613.4	579.9	562.6	560.9
10°	819.6	825.7	821.2	771.6	688.5	593.2	513.7	433.8	393.9	372.1	372.1
12.5°	854.3	859.2	832.1	737.3	592.8	454.8	348.7	264.7	224.8	199.0	197.3
15°	891.9	893.1	830.5	677.6	474.6	305.5	200.2	146.9	129.9	126.3	125.5
17.5°	924.6	919.7	813.6	589.2	341.8	182.0	127.1	115.0	111.8	111.8	111.8
20°	955.2	939.1	779.7	486.3	219.1	123.9	109.4	106.1	106.1	106.5	106.5
22.5°	989.1	957.2	731.2	372.1	140.8	106.1	102.5	100.9	100.5	101.7	101.3
25°	1029.1	975.0	661.8	257.1	109.0	98.9	97.3	95.6	95.6	95.6	95.6
27.5°	1051.3	972.6	582.7	162.2	95.2	91.6	90.0	88.4	87.2	86.8	87.2
30°	1070.6	958.5	479.4	113.4	86.0	81.9	80.7	78.7	76.3	75.5	75.5
32.5°	1096.1	946.7	371.3	91.2	77.9	73.4	69.8	66.6	62.6	60.9	60.5
35°	1124.3	925.4	272.0	80.3	70.6	65.0	59.3	54.1	48.8	47.2	46.8
37.5°	1159.4	906.0	184.4	74.3	64.6	57.7	50.0	42.8	37.9	37.1	37.1
40°	1207.0	889.8	127.5	69.0	58.9	50.8	41.6	33.9	30.7	29.9	29.9
42.5°	1272.0	876.5	96.5	64.6	54.1	44.0	33.5	27.8	25.4	24.6	24.6
45°	1348.7	855.9	81.5	60.5	49.2	37.1	27.8	23.4	22.2	22.2	22.2
47.5°	1436.7	830.1	74.3	56.5	44.0	30.3	23.4	21.4	21.0	21.0	21.4
50°	1525.5	799.5	69.0	51.7	37.9	25.8	21.4	20.2	20.2	20.6	20.6
52.5°	1585.6	751.4	63.8	46.4	31.9	22.6	20.2	19.8	19.4	19.4	19.4
55°	1644.1	709.5	56.5	40.8	26.6	21.0	19.4	19.0	19.0	18.6	18.6
57.5°	1705.0	676.4	47.2	33.9	22.6	19.8	18.6	18.6	17.8	17.4	17.4
60°	1775.7	647.3	36.3	26.6	19.8	18.6	17.4	16.9	16.1	15.3	15.3
62.5°	1796.2	586.0	27.4	21.4	16.9	16.1	15.7	14.9	12.9	11.3	11.7
65°	1742.6	489.5	21.8	16.9	13.7	13.7	12.5	10.5	8.5	7.3	7.3
67.5°	1594.5	365.6	17.8	13.3	10.9	10.5	8.9	7.7	5.2	4.4	4.4
70°	1314.0	241.7	14.5	10.5	8.9	7.3	6.1	5.6	4.0	3.2	3.2
72.5°	920.9	131.2	12.1	8.5	6.5	4.8	4.0	3.6	2.8	2.4	2.0
75°	486.3	50.4	9.7	6.5	4.0	3.2	2.4	2.4	2.0	1.6	1.6
77.5°	166.7	21.4	6.9	3.6	2.8	2.0	1.6	1.2	1.6	1.2	1.2
80°	39.5	12.5	4.4	2.4	1.6	1.2	1.2	0.8	0.8	0.8	0.8
82.5°	17.4	7.3	2.8	1.6	1.6	1.2	0.8	0.4	0.4	0.4	0.4
85°	11.7	4.4	2.0	1.6	1.2	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.3	2.8	1.6	1.6	1.2	0.8	0.4	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)