

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: P673233

Luminaire Tested: **CCP-SA-1E-727-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673233  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-727-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3 distribution lens and House Side Shield  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

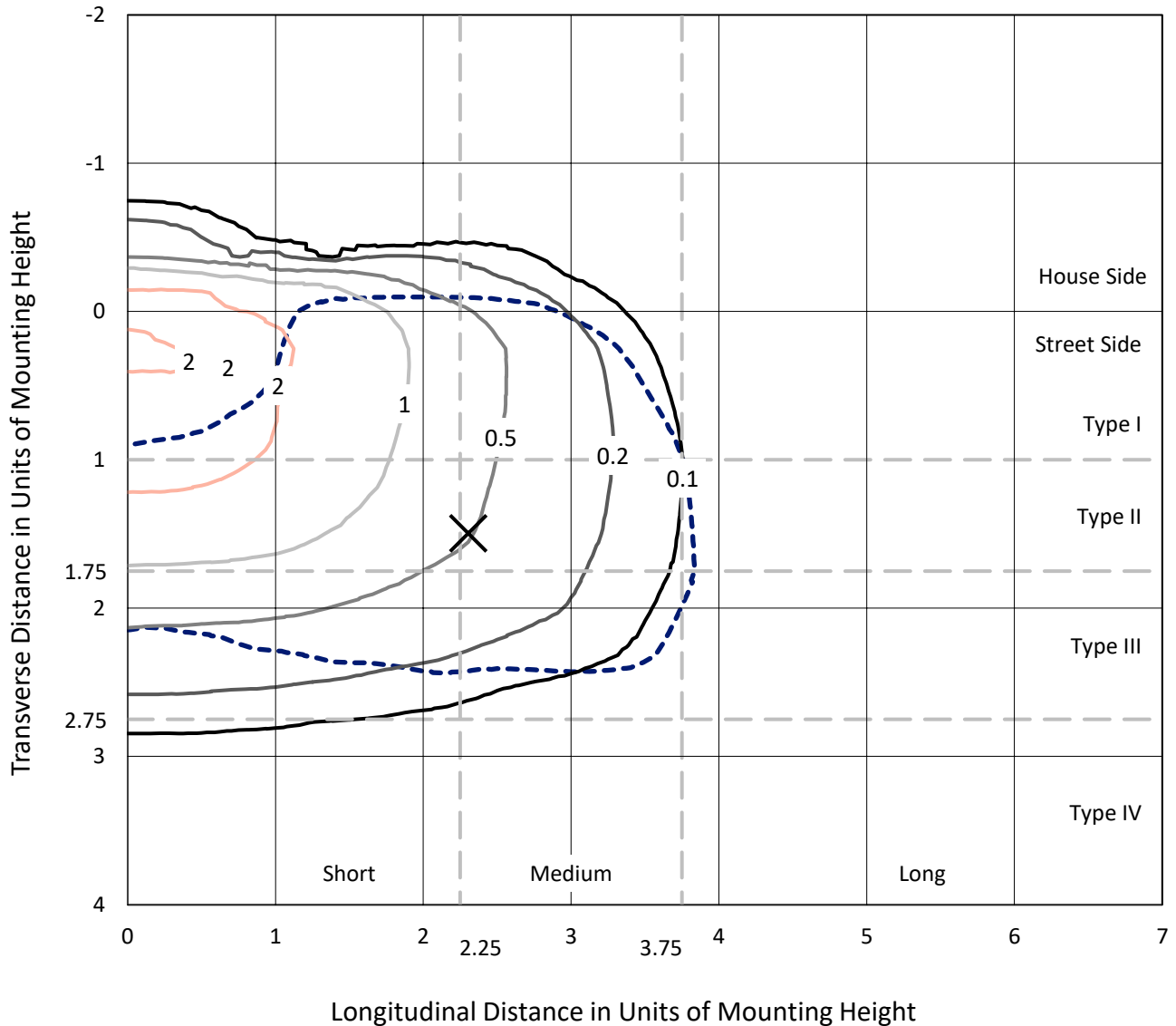
Lumens per Lamp: N/A  
Luminaire Lumens: 4119.2 lumens  
Efficiency: N/A  
Efficacy: 73.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1

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

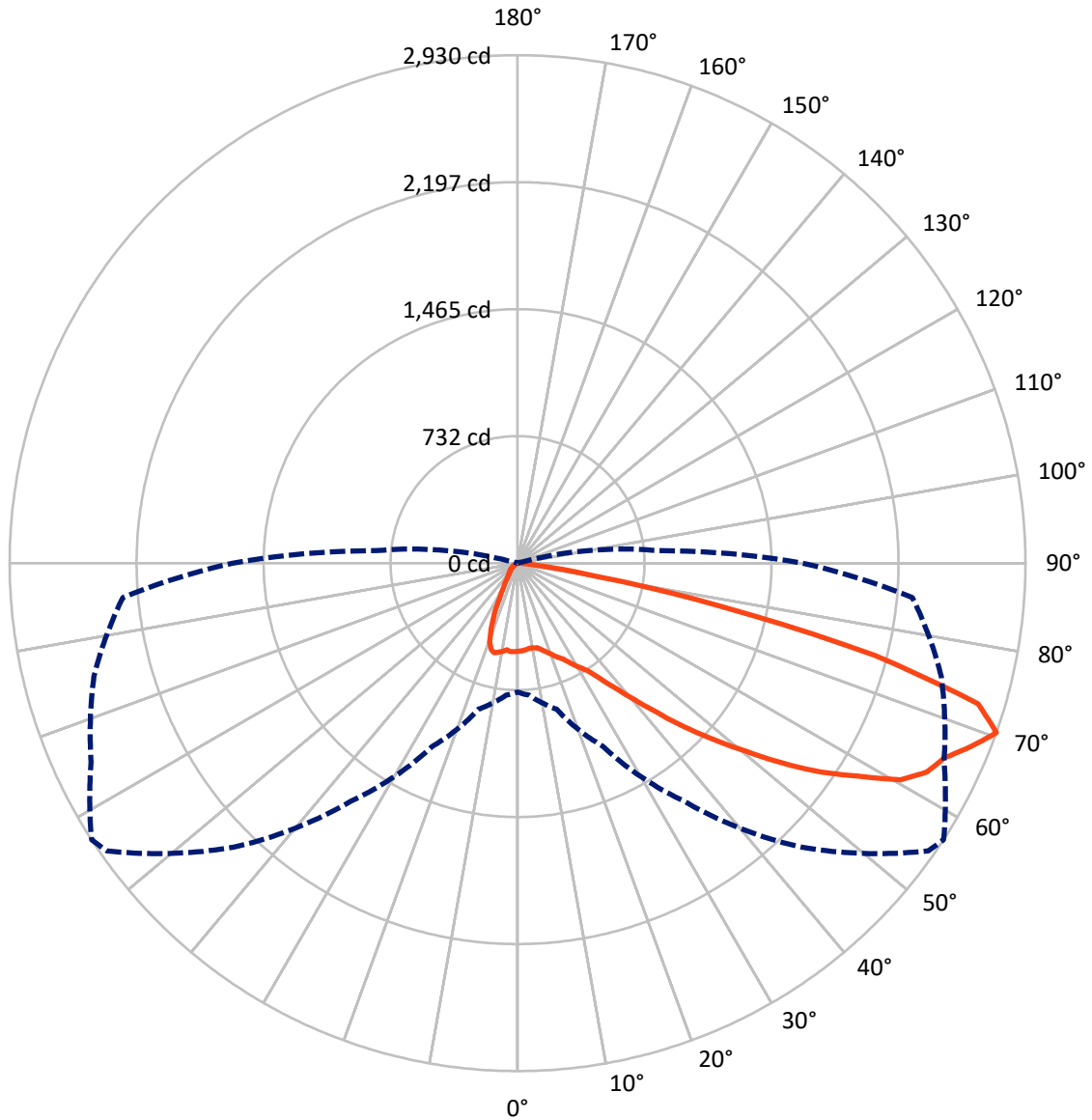
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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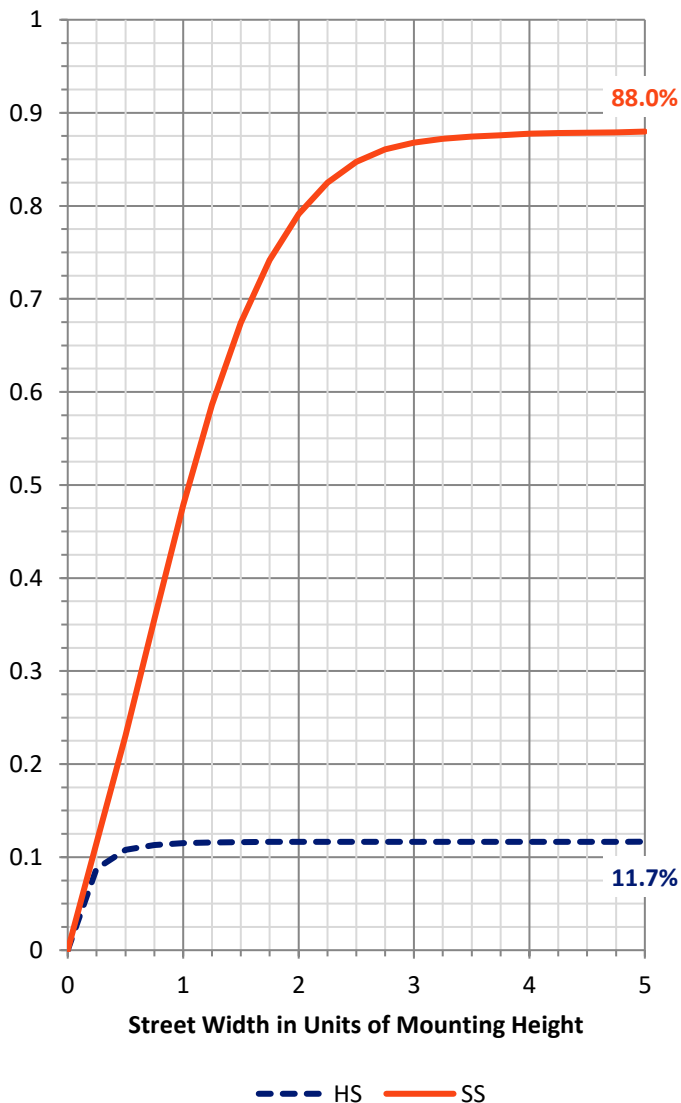
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	485.5	0.0	485.5
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	3633.6	0.0	3633.6
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	4119.2	0.0	4119.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.5	1.2
10°-20°	132.8	3.2
20°-30°	223.7	5.4
30°-40°	382.8	9.3
40°-50°	642.8	15.6
50°-60°	986.7	24.0
60°-70°	1139.2	27.7
70°-80°	538.1	13.1
80°-90°	25.5	0.6
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°	4119.2	100.0
0°-180°	4119.2	100.0



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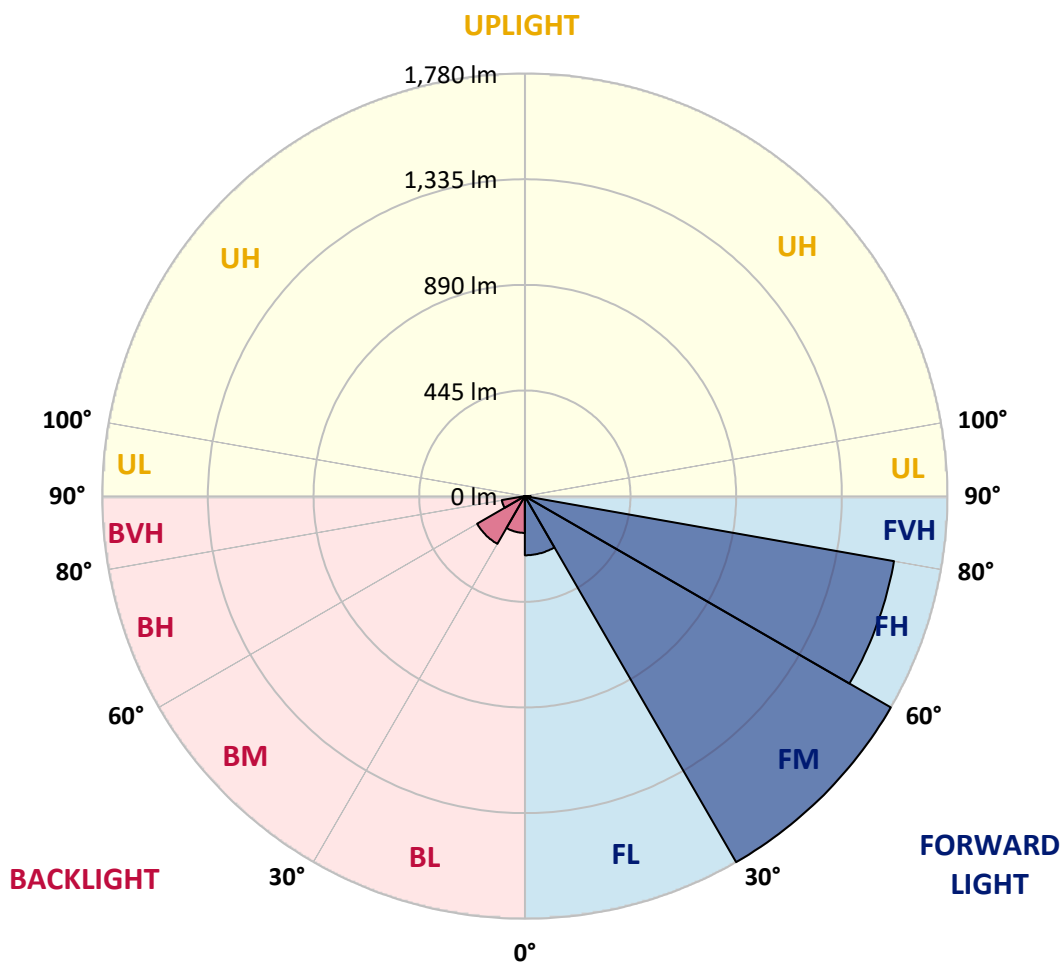
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.2	6.0			
FM (30°-60°)	1780.2	43.2			
FH (60°-80°)	1579.1	38.3			G1/1800
FVH (80°-90°)	25.1	0.6			G1/100
BL (0°-30°)	154.8	3.8	B1/500		
BM (30°-60°)	232.1	5.6	B1/1000		
BH (60°-80°)	98.2	2.4	B0/110		G0/110
BVH (80°-90°)	0.5	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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3
2.5°	500.9	497.7	500.9	505.1	500.9	504.0	503.0	506.1	501.9	501.9	505.1
5°	468.3	473.5	475.6	480.9	486.2	495.6	501.9	501.9	508.3	511.4	515.6
7.5°	456.7	448.3	456.7	460.9	466.2	481.9	491.4	495.6	504.0	515.6	521.9
10°	439.9	446.2	446.2	459.8	467.2	476.7	493.5	496.7	515.6	527.2	533.5
12.5°	438.8	438.8	444.1	453.5	468.3	486.2	507.2	500.9	520.9	541.9	552.4
15°	442.0	449.3	449.3	462.0	473.5	498.8	516.7	517.7	546.1	567.2	576.7
17.5°	455.6	452.5	456.7	464.1	481.9	506.1	535.6	538.8	571.4	599.8	613.5
20°	484.0	489.3	483.0	478.8	486.2	517.7	555.6	561.9	598.7	626.1	639.8
22.5°	590.3	586.1	560.9	531.4	518.8	533.5	574.5	589.3	632.4	665.0	676.6
25°	710.3	702.9	673.5	629.3	571.4	565.1	612.4	612.4	674.5	710.3	707.1
27.5°	823.9	821.8	787.1	740.8	658.7	613.5	642.9	654.5	721.9	751.3	737.6
30°	939.7	941.8	910.2	854.5	768.2	691.3	686.1	695.6	757.6	803.9	775.5
32.5°	1074.4	1055.4	1033.3	956.5	877.6	791.3	741.9	737.6	797.6	839.7	801.8
35°	1194.3	1182.8	1158.6	1089.1	998.6	895.5	826.0	815.5	848.1	903.9	862.9
37.5°	1299.6	1288.0	1256.4	1210.1	1139.6	1024.9	927.1	911.3	925.0	983.9	934.4
40°	1390.1	1393.2	1384.8	1339.6	1274.3	1170.1	1057.5	1032.3	1020.7	1073.3	1017.6
42.5°	1455.3	1485.8	1487.9	1432.2	1379.5	1322.7	1196.4	1176.5	1149.1	1193.3	1154.4
45°	1592.1	1575.3	1585.8	1565.8	1507.9	1499.5	1356.4	1344.8	1306.9	1321.7	1280.6
47.5°	1699.4	1696.3	1716.3	1683.7	1667.9	1668.9	1538.4	1518.4	1464.8	1492.1	1445.8
50°	1761.5	1744.7	1817.3	1842.5	1839.4	1852.0	1722.6	1705.7	1654.2	1694.2	1595.3
52.5°	1776.3	1806.8	1875.2	1966.7	2005.7	2032.0	1923.6	1917.3	1861.5	1886.7	1749.9
55°	1813.1	1842.5	1882.5	2033.0	2177.2	2183.5	2121.4	2127.7	2078.3	2071.9	1897.3
57.5°	1812.0	1805.7	1916.2	2090.9	2290.8	2381.3	2347.6	2317.1	2263.5	2201.4	1992.0
60°	1745.7	1742.6	1857.3	2098.3	2352.9	2560.2	2573.9	2538.1	2403.4	2311.9	2103.5
62.5°	1614.2	1626.8	1742.6	2035.1	2411.8	2624.4	2674.9	2650.7	2483.4	2385.5	2235.0
65°	1463.7	1437.4	1572.1	1877.3	2279.2	2605.5	2714.9	2706.5	2578.1	2465.5	2356.1
67.5°	1174.3	1185.9	1289.0	1615.3	2053.0	2536.0	2808.5	2821.2	2653.9	2536.0	2392.9
70°	744.0	765.0	872.3	1167.0	1676.3	2317.1	2892.7	2929.6	2713.8	2529.7	2285.6
72.5°	216.8	225.2	371.5	581.9	1068.1	1858.3	2758.0	2777.0	2597.0	2296.1	1767.8
75°	71.6	75.8	109.4	189.4	418.8	960.7	2037.2	2126.7	2066.7	1664.7	1011.2
77.5°	47.4	49.5	60.0	90.5	158.9	301.0	1092.3	1188.0	1164.9	779.7	326.2
80°	34.7	35.8	44.2	61.0	96.8	108.4	403.0	466.2	450.4	178.9	65.2
82.5°	22.1	22.1	32.6	43.1	61.0	53.7	116.8	129.4	126.3	68.4	25.3
85°	14.7	15.8	24.2	33.7	33.7	25.3	33.7	38.9	42.1	36.8	11.6
87.5°	4.2	5.3	13.7	23.2	13.7	12.6	11.6	12.6	14.7	20.0	6.3
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°	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3	508.3
2.5°	508.3	512.5	511.4	513.5	510.4	507.2	510.4	510.4	510.4	507.2	505.1
5°	512.5	510.4	512.5	508.3	512.5	508.3	506.1	499.8	498.8	498.8	503.0
7.5°	518.8	520.9	511.4	511.4	501.9	504.0	498.8	499.8	497.7	494.6	492.5
10°	528.2	536.7	527.2	524.0	513.5	505.1	492.5	486.2	486.2	481.9	486.2
12.5°	554.6	551.4	546.1	535.6	523.0	506.1	475.6	445.1	419.9	400.9	410.4
15°	575.6	574.5	567.2	547.2	530.4	478.8	402.0	323.1	281.0	262.0	258.9
17.5°	608.2	605.1	592.4	566.1	510.4	396.7	275.7	209.4	168.4	158.9	155.7
20°	638.7	637.7	610.3	576.7	459.8	289.4	179.9	137.8	126.3	127.3	125.2
22.5°	671.4	666.1	633.5	564.0	366.2	192.6	128.4	123.1	118.9	117.9	120.0
25°	708.2	689.2	656.6	535.6	269.4	132.6	121.0	116.8	112.6	111.5	111.5
27.5°	722.9	710.3	667.1	467.2	170.5	115.8	113.6	108.4	103.1	100.0	98.9
30°	756.6	735.5	677.7	367.2	121.0	106.3	103.1	96.8	89.4	84.2	84.2
32.5°	790.3	765.0	678.7	256.8	101.0	95.8	90.5	82.1	72.6	67.3	68.4
35°	832.4	797.6	667.1	166.3	90.5	84.2	73.7	64.2	55.8	51.6	51.6
37.5°	903.9	871.3	619.8	109.4	82.1	71.6	61.0	50.5	43.1	40.0	40.0
40°	994.4	952.3	554.6	86.3	72.6	61.0	48.4	38.9	34.7	31.6	31.6
42.5°	1102.8	1050.2	457.7	76.8	64.2	50.5	37.9	30.5	26.3	26.3	25.3
45°	1211.2	1124.9	358.8	70.5	56.8	42.1	29.5	24.2	22.1	21.0	21.0
47.5°	1365.9	1215.4	256.8	64.2	49.5	32.6	24.2	20.0	17.9	16.8	17.9
50°	1514.2	1300.6	182.0	57.9	41.0	26.3	20.0	17.9	15.8	14.7	14.7
52.5°	1644.7	1359.5	127.3	50.5	34.7	22.1	17.9	15.8	14.7	13.7	13.7
55°	1716.3	1339.6	87.3	43.1	28.4	18.9	15.8	13.7	12.6	11.6	11.6
57.5°	1789.9	1283.8	66.3	35.8	23.2	17.9	14.7	12.6	11.6	10.5	10.5
60°	1852.0	1242.7	51.6	28.4	18.9	14.7	12.6	10.5	9.5	8.4	7.4
62.5°	1855.2	1160.7	37.9	21.0	14.7	12.6	10.5	8.4	5.3	4.2	3.2
65°	1867.8	1074.4	27.4	15.8	10.5	9.5	7.4	4.2	2.1	0.0	0.0
67.5°	1823.6	972.3	22.1	11.6	7.4	5.3	3.2	1.1	0.0	0.0	0.0
70°	1643.7	820.8	16.8	8.4	5.3	3.2	1.1	0.0	0.0	0.0	0.0
72.5°	1176.5	533.5	11.6	6.3	2.1	1.1	0.0	0.0	0.0	0.0	0.0
75°	627.2	227.3	8.4	4.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	196.8	57.9	5.3	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	43.1	15.8	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.7	6.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.3	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	1.1	1.1	0.0	0.0	0.0	0.0	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)