

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: P674674

Luminaire Tested: **CCP-SA-1F-727-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674674
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-727-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

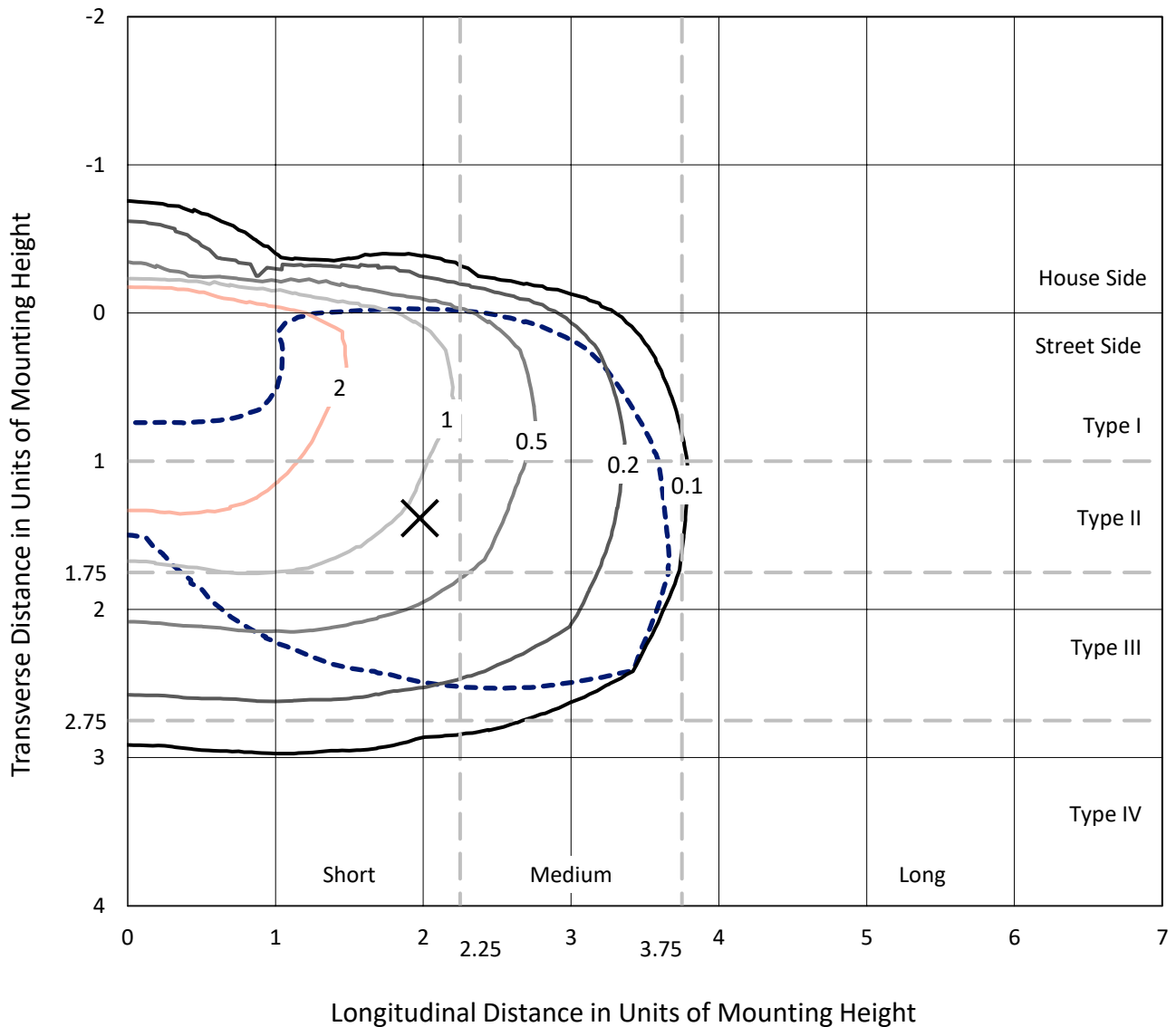
Lumens per Lamp: N/A
Luminaire Lumens: 4972.9 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

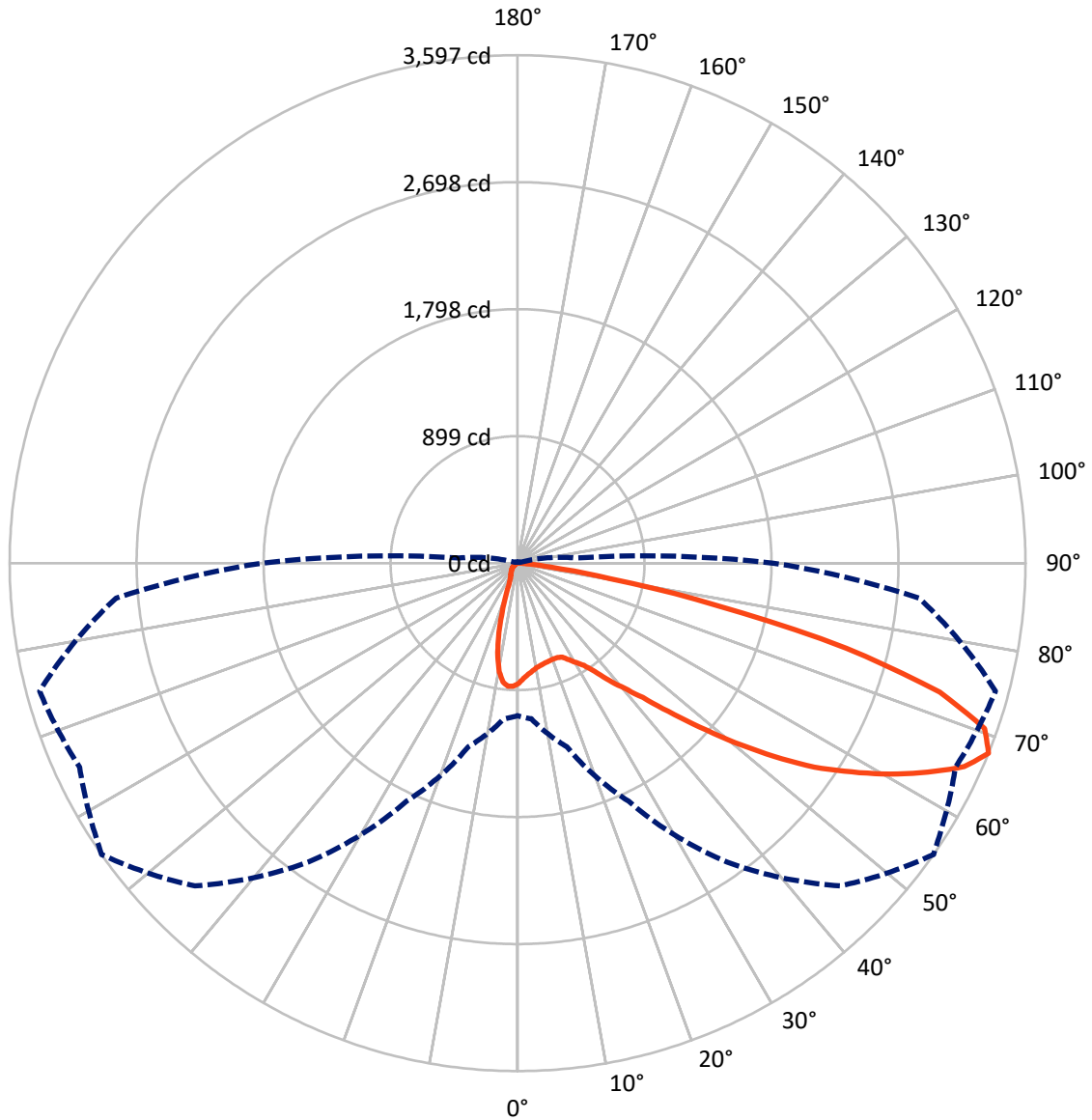
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 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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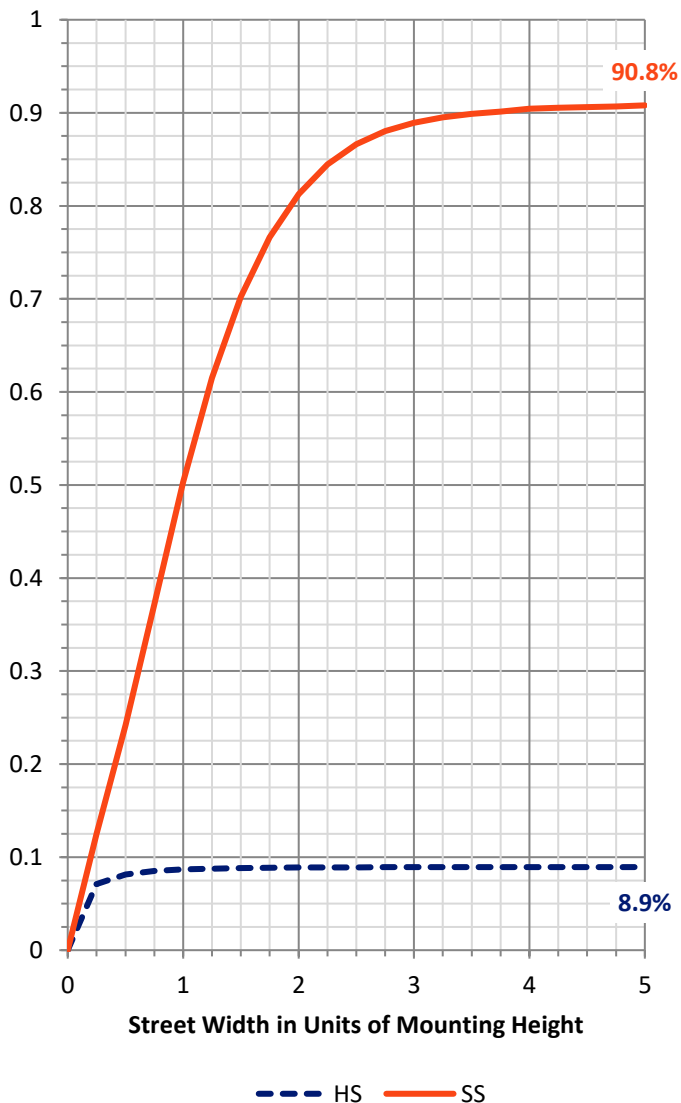
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	446.7	0.0	446.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4526.2	0.0	4526.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	4972.9	0.0	4972.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	1.5
10°-20°	170.3	3.4
20°-30°	273.2	5.5
30°-40°	473.9	9.5
40°-50°	790.1	15.9
50°-60°	1155.4	23.2
60°-70°	1347.2	27.1
70°-80°	653.8	13.1
80°-90°	34.2	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°	4972.9	100.0
0°-180°	4972.9	100.0



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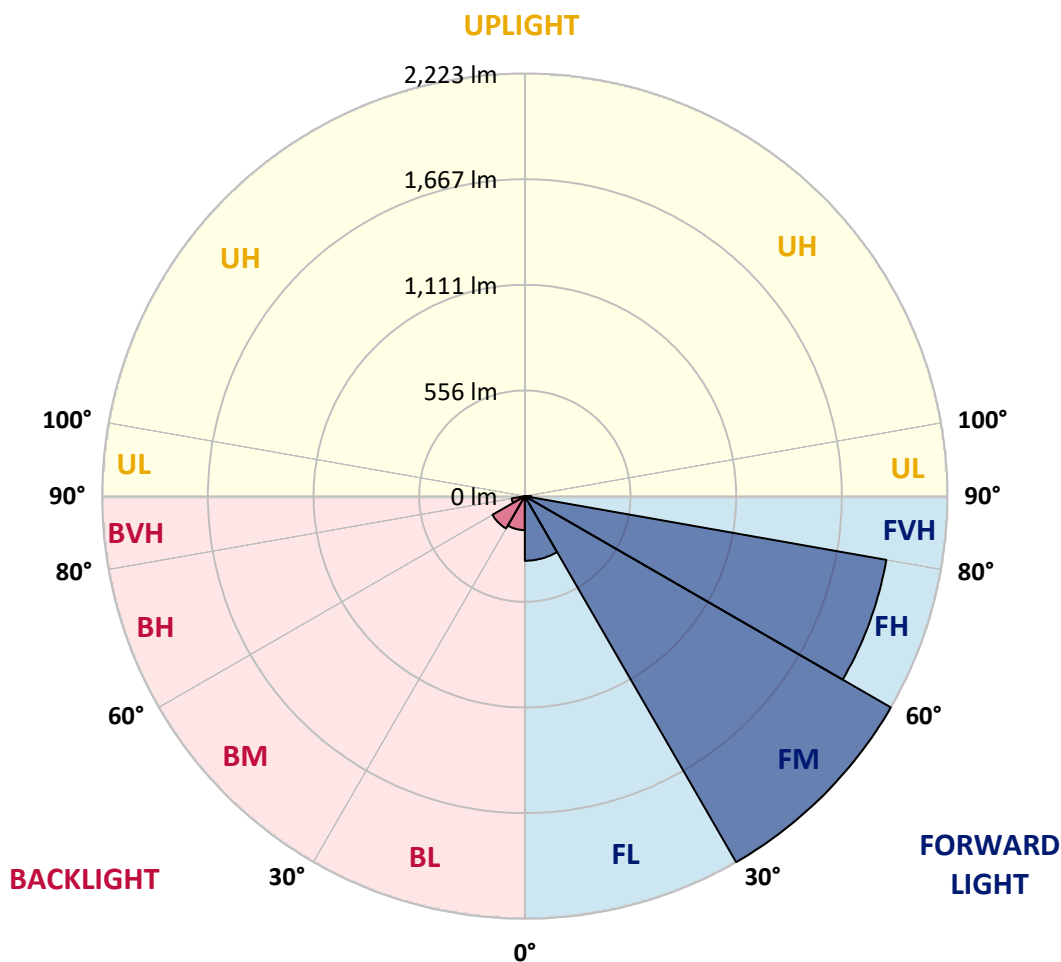
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	339.7	6.8			
FM (30°-60°)	2222.7	44.7			
FH (60°-80°)	1930.6	38.8			G2/5000
FVH (80°-90°)	33.2	0.7			G1/100
BL (0°-30°)	178.6	3.6	B1/500		
BM (30°-60°)	196.7	4.0	B0/220		
BH (60°-80°)	70.5	1.4	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2
2.5°	786.7	791.7	798.2	800.4	808.2	819.2	816.0	813.7	826.1	843.1	848.6
5°	737.7	738.1	748.2	755.5	768.8	779.4	790.8	789.9	812.4	841.2	859.5
7.5°	689.6	690.5	701.0	712.5	731.7	752.3	769.7	768.8	805.0	843.5	878.3
10°	626.3	630.9	643.7	663.9	694.1	726.7	751.0	753.3	796.8	852.2	904.0
12.5°	575.5	577.8	592.0	618.1	653.8	696.4	741.8	740.4	798.6	868.3	937.4
15°	553.9	552.6	561.3	580.5	621.3	674.9	732.6	735.8	805.0	886.6	972.3
17.5°	559.0	557.6	562.2	569.1	597.9	657.0	727.6	733.1	815.1	905.8	1004.8
20°	614.9	605.3	597.0	589.7	593.8	642.4	724.4	730.3	821.1	920.5	1039.2
22.5°	722.6	710.6	688.6	647.9	620.8	643.3	725.3	733.1	834.3	944.3	1080.9
25°	898.0	886.6	839.4	756.0	684.5	676.3	737.7	745.9	865.0	980.5	1125.3
27.5°	1130.3	1104.7	1047.4	927.8	789.9	729.0	774.8	783.9	908.6	1008.5	1155.5
30°	1323.2	1317.3	1262.3	1115.7	935.1	806.4	816.5	821.5	928.3	1025.4	1185.8
32.5°	1523.5	1511.1	1460.7	1318.2	1103.8	916.8	863.2	865.5	953.9	1050.6	1229.8
35°	1697.6	1686.1	1644.0	1505.6	1300.8	1065.3	940.6	935.6	1007.1	1106.1	1289.3
37.5°	1858.8	1857.5	1820.4	1679.2	1477.6	1219.2	1054.7	1050.6	1090.0	1167.0	1370.0
40°	2016.5	2012.8	1981.2	1852.4	1651.7	1372.7	1163.3	1152.8	1160.6	1252.2	1476.3
42.5°	2113.1	2120.9	2131.9	2050.4	1858.4	1552.8	1300.8	1294.4	1293.0	1385.5	1616.0
45°	2165.4	2179.1	2243.7	2236.4	2077.4	1776.8	1496.4	1479.9	1474.4	1568.8	1775.9
47.5°	2216.2	2222.2	2328.0	2372.5	2287.2	2010.5	1732.8	1709.9	1687.5	1792.4	1967.0
50°	2219.4	2229.1	2360.1	2468.2	2463.2	2240.5	1998.1	1978.0	1952.3	2064.6	2153.5
52.5°	2174.5	2193.8	2356.0	2528.7	2572.2	2443.5	2273.5	2257.0	2235.9	2319.8	2310.6
55°	1864.3	1896.9	2275.3	2534.2	2648.7	2617.6	2550.2	2527.3	2506.7	2566.3	2464.6
57.5°	1716.8	1735.1	2030.7	2530.1	2746.3	2778.9	2790.3	2779.8	2750.9	2825.1	2625.4
60°	1628.4	1655.0	1913.8	2484.3	2851.7	2961.2	3033.2	3012.1	2976.8	3079.0	2797.7
62.5°	1522.5	1541.8	1797.4	2352.3	2914.5	3146.8	3260.9	3241.6	3168.8	3313.1	2936.9
65°	1327.4	1356.2	1612.3	2144.7	2830.2	3282.9	3475.3	3468.9	3342.4	3490.0	2975.0
67.5°	1080.4	1106.5	1345.2	1860.2	2583.7	3232.0	3596.7	3576.6	3421.2	3503.3	2854.5
70°	811.0	825.2	1005.3	1421.3	2116.8	2960.3	3508.8	3504.6	3301.7	3306.2	2484.7
72.5°	435.3	474.7	668.5	951.2	1488.6	2397.7	3127.1	3110.6	2945.6	2707.9	1786.9
75°	152.1	163.6	356.0	534.2	808.7	1597.2	2404.5	2366.0	2202.9	1761.2	973.6
77.5°	93.5	102.6	158.1	273.1	314.8	693.2	1444.6	1394.7	1289.3	761.5	332.6
80°	64.6	72.9	105.8	143.0	107.2	224.5	664.8	646.0	497.1	181.4	76.5
82.5°	36.2	43.5	80.2	70.1	43.1	58.2	230.5	213.5	132.4	49.0	25.7
85°	21.1	25.2	56.4	49.5	22.0	20.6	60.0	53.6	34.4	18.3	12.4
87.5°	11.0	14.2	41.2	33.0	13.3	7.3	13.7	13.3	8.7	6.4	8.2
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°	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2
2.5°	858.6	856.3	868.3	872.4	871.5	869.6	874.2	868.3	867.8	866.4	865.0
5°	874.2	877.9	887.5	887.5	874.7	853.6	840.8	823.4	808.7	800.0	798.6
7.5°	897.6	904.9	911.3	891.6	847.6	795.4	740.0	696.4	658.4	638.7	636.9
10°	930.6	937.4	932.4	876.0	781.7	673.5	583.3	492.5	447.2	422.4	422.4
12.5°	970.0	975.5	944.8	837.1	673.1	516.4	395.9	300.6	255.2	225.9	224.1
15°	1012.6	1014.0	942.9	769.3	538.8	346.8	227.3	166.8	147.5	143.4	142.5
17.5°	1049.7	1044.2	923.7	668.9	388.1	206.6	144.3	130.6	126.9	126.9	126.9
20°	1084.5	1066.2	885.2	552.1	248.8	140.7	124.2	120.5	120.5	121.0	121.0
22.5°	1123.0	1086.8	830.2	422.4	159.9	120.5	116.4	114.5	114.1	115.5	115.0
25°	1168.4	1107.0	751.4	291.9	123.7	112.3	110.4	108.6	108.6	108.6	108.6
27.5°	1193.6	1104.2	661.6	184.2	108.1	104.0	102.2	100.3	99.0	98.5	99.0
30°	1215.6	1088.2	544.3	128.7	97.6	93.0	91.6	89.3	86.6	85.7	85.7
32.5°	1244.4	1074.9	421.5	103.5	88.4	83.4	79.3	75.6	71.0	69.2	68.7
35°	1276.5	1050.6	308.8	91.2	80.2	73.8	67.4	61.4	55.4	53.6	53.1
37.5°	1316.4	1028.6	209.4	84.3	73.3	65.5	56.8	48.6	43.1	42.2	42.2
40°	1370.4	1010.3	144.8	78.3	66.9	57.7	47.2	38.5	34.8	33.9	33.9
42.5°	1444.2	995.2	109.5	73.3	61.4	49.9	38.0	31.6	28.9	27.9	27.9
45°	1531.2	971.8	92.6	68.7	55.9	42.2	31.6	26.6	25.2	25.2	25.2
47.5°	1631.1	942.5	84.3	64.1	49.9	34.4	26.6	24.3	23.8	23.8	24.3
50°	1731.9	907.7	78.3	58.6	43.1	29.3	24.3	22.9	22.9	23.4	23.4
52.5°	1800.2	853.1	72.4	52.7	36.2	25.7	22.9	22.5	22.0	22.0	22.0
55°	1866.6	805.5	64.1	46.3	30.2	23.8	22.0	21.5	21.5	21.1	21.1
57.5°	1935.8	767.9	53.6	38.5	25.7	22.5	21.1	21.1	20.2	19.7	19.7
60°	2016.0	734.9	41.2	30.2	22.5	21.1	19.7	19.2	18.3	17.4	17.4
62.5°	2039.4	665.3	31.2	24.3	19.2	18.3	17.9	17.0	14.7	12.8	13.3
65°	1978.4	555.8	24.7	19.2	15.6	15.6	14.2	11.9	9.6	8.2	8.2
67.5°	1810.3	415.1	20.2	15.1	12.4	11.9	10.1	8.7	6.0	5.0	5.0
70°	1491.8	274.5	16.5	11.9	10.1	8.2	6.9	6.4	4.6	3.7	3.7
72.5°	1045.6	148.9	13.7	9.6	7.3	5.5	4.6	4.1	3.2	2.7	2.3
75°	552.1	57.3	11.0	7.3	4.6	3.7	2.7	2.7	2.3	1.8	1.8
77.5°	189.2	24.3	7.8	4.1	3.2	2.3	1.8	1.4	1.8	1.4	1.4
80°	44.9	14.2	5.0	2.7	1.8	1.4	1.4	0.9	0.9	0.9	0.9
82.5°	19.7	8.2	3.2	1.8	1.8	1.4	0.9	0.5	0.5	0.5	0.5
85°	13.3	5.0	2.3	1.8	1.4	0.9	0.5	0.5	0.0	0.0	0.0
87.5°	10.5	3.2	1.8	1.8	1.4	0.9	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)