

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: P674759

Luminaire Tested: **CCP-SA-1C-835-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674759
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-835-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

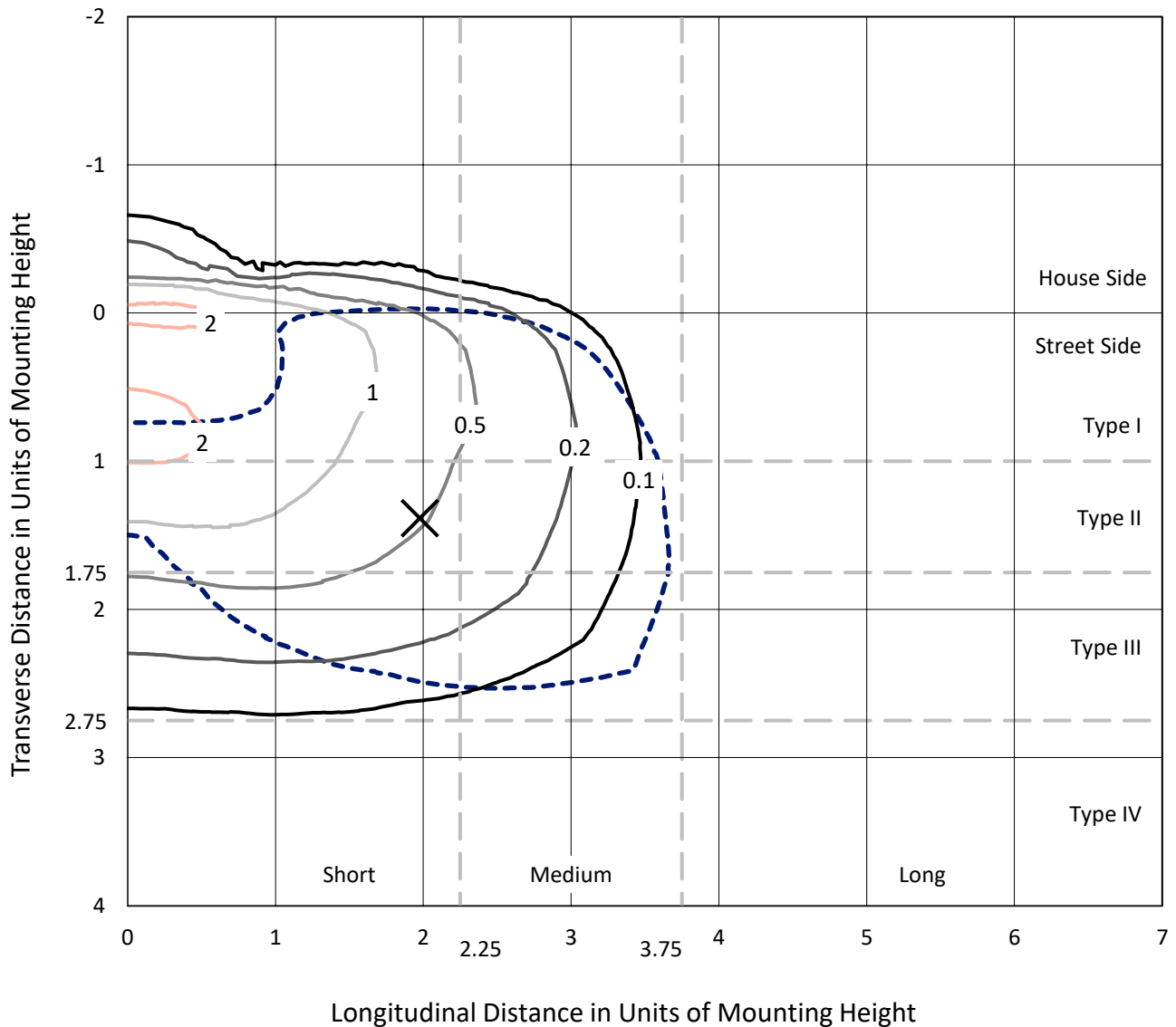
Lumens per Lamp: N/A
Luminaire Lumens: 2954.7 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 32
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

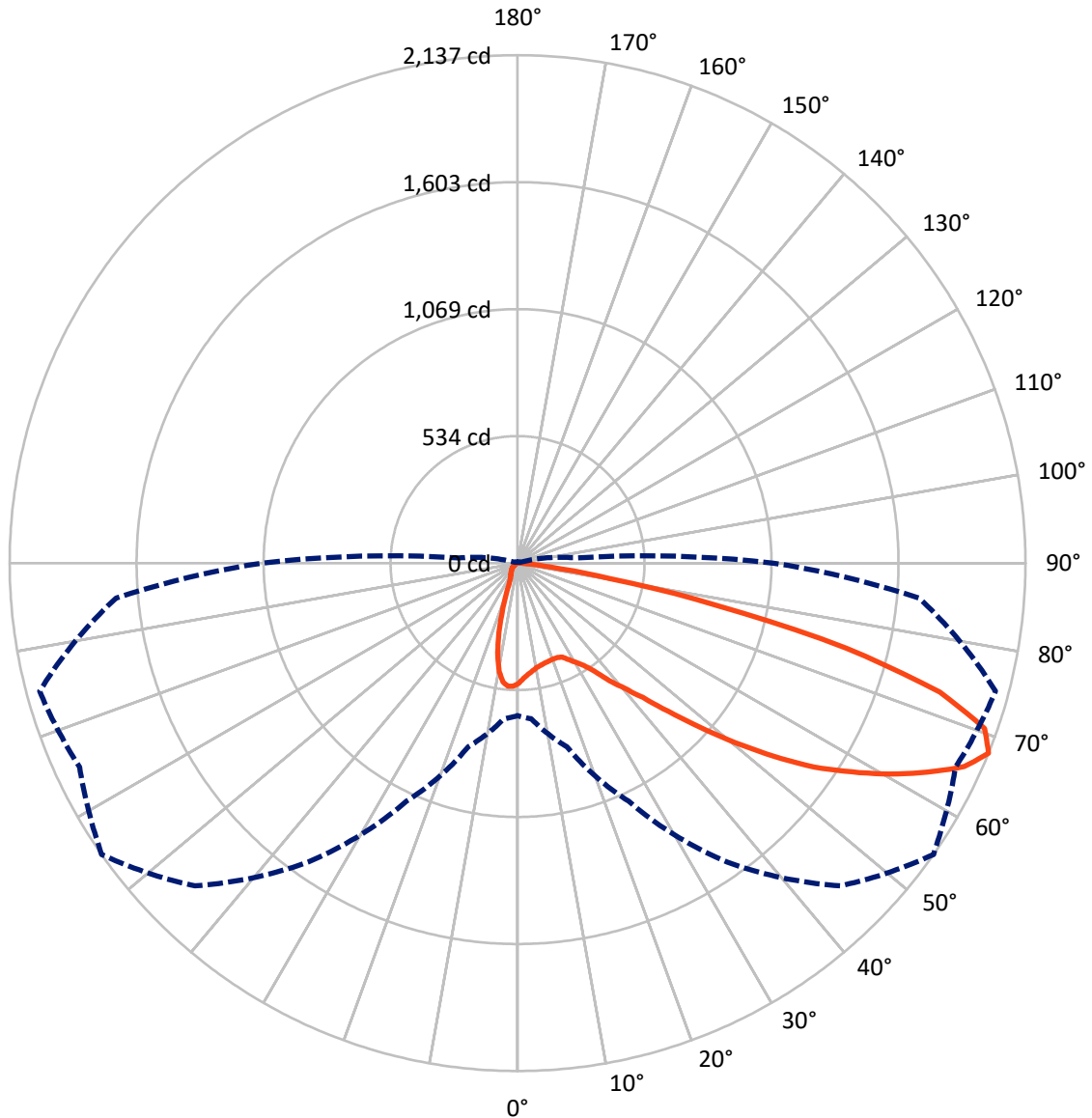
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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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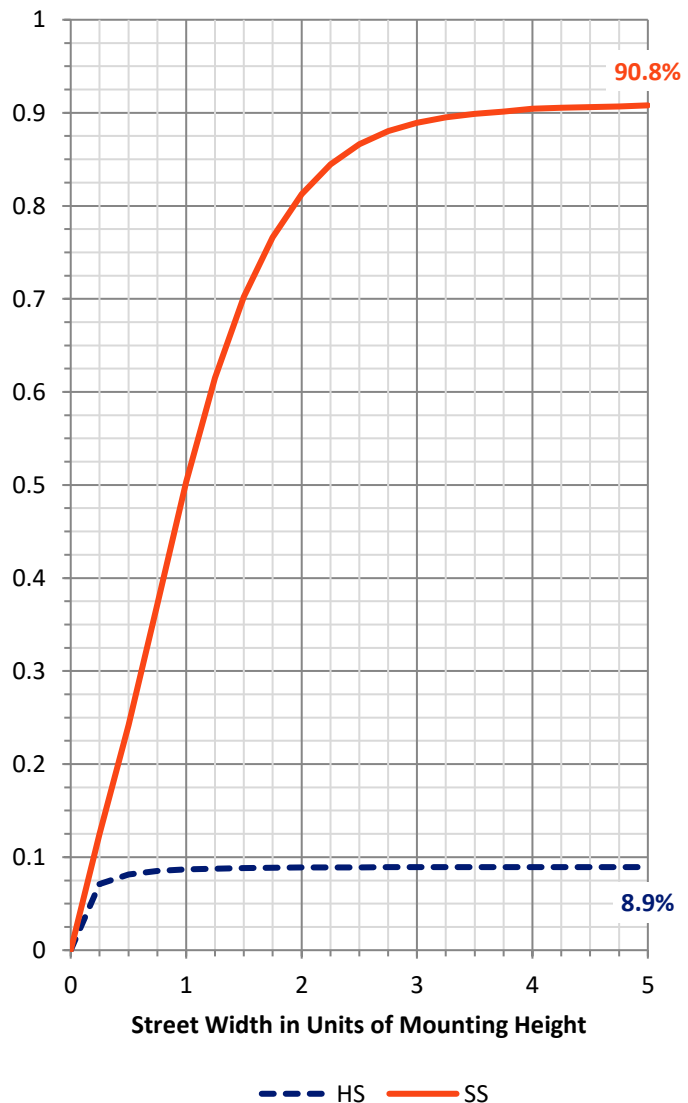
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	265.4	0.0	265.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2689.3	0.0	2689.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	2954.7	0.0	2954.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.5
10°-20°	101.2	3.4
20°-30°	162.3	5.5
30°-40°	281.5	9.5
40°-50°	469.5	15.9
50°-60°	686.5	23.2
60°-70°	800.5	27.1
70°-80°	388.5	13.1
80°-90°	20.3	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°	2954.7	100.0
0°-180°	2954.7	100.0



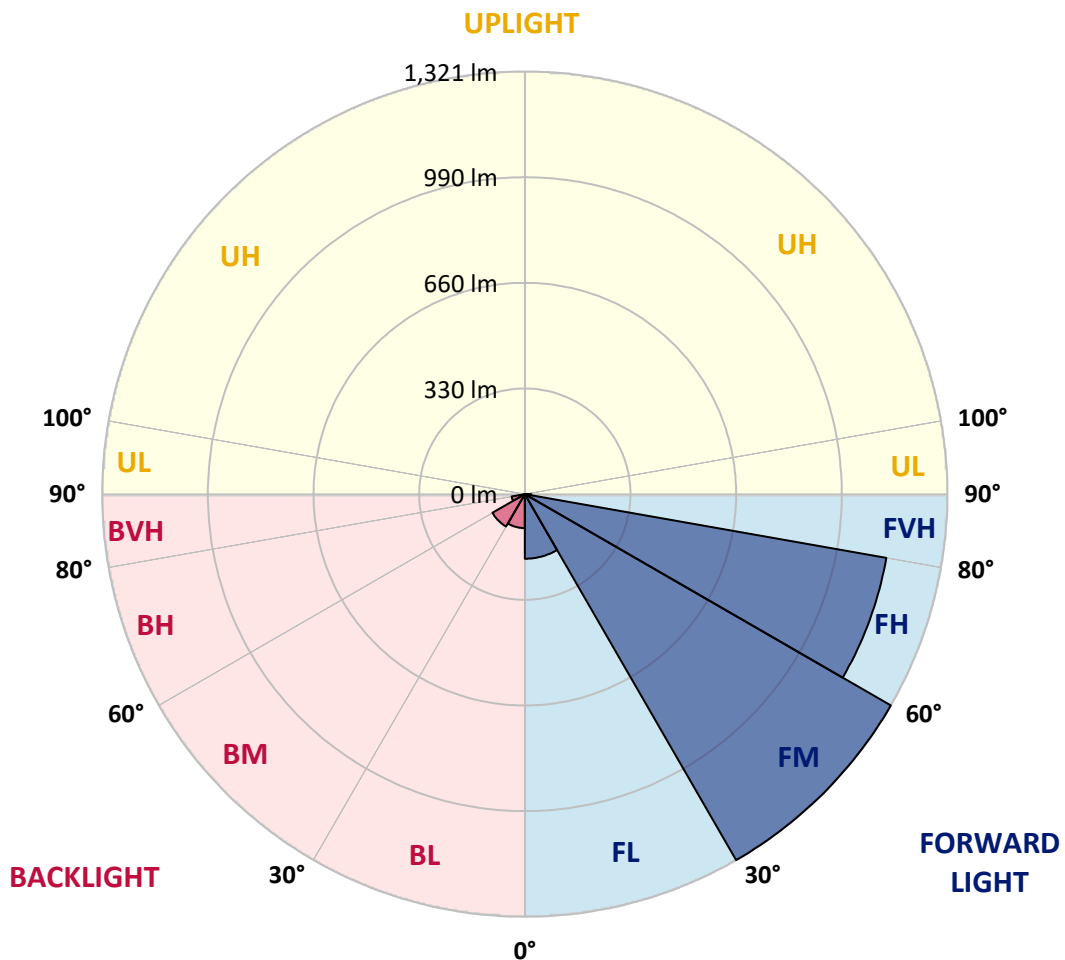
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.8	6.8			
FM (30°-60°)	1320.6	44.7			
FH (60°-80°)	1147.0	38.8			G1/1800
FVH (80°-90°)	19.7	0.7			G1/100
BL (0°-30°)	106.1	3.6	B0/110		
BM (30°-60°)	116.9	4.0	B0/220		
BH (60°-80°)	41.9	1.4	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	506.3	506.3	506.3	506.3	506.3	506.3	506.3	506.3	506.3	506.3	506.3
2.5°	467.4	470.4	474.2	475.6	480.2	486.7	484.8	483.5	490.8	500.9	504.2
5°	438.3	438.6	444.6	448.9	456.8	463.1	469.9	469.3	482.7	499.8	510.7
7.5°	409.7	410.3	416.5	423.3	434.8	447.0	457.3	456.8	478.3	501.2	521.9
10°	372.1	374.9	382.5	394.5	412.4	431.8	446.2	447.5	473.4	506.3	537.1
12.5°	341.9	343.3	351.7	367.2	388.5	413.8	440.7	439.9	474.5	515.9	557.0
15°	329.1	328.3	333.5	344.9	369.1	401.0	435.3	437.2	478.3	526.8	577.7
17.5°	332.1	331.3	334.0	338.1	355.3	390.4	432.3	435.6	484.3	538.2	597.0
20°	365.3	359.6	354.7	350.4	352.8	381.7	430.4	433.9	487.8	546.9	617.4
22.5°	429.3	422.2	409.2	384.9	368.9	382.2	430.9	435.6	495.7	561.1	642.2
25°	533.6	526.8	498.7	449.2	406.7	401.8	438.3	443.2	514.0	582.6	668.6
27.5°	671.6	656.3	622.3	551.3	469.3	433.1	460.3	465.8	539.8	599.2	686.6
30°	786.2	782.7	750.0	662.9	555.6	479.1	485.1	488.1	551.5	609.3	704.5
32.5°	905.2	897.8	867.9	783.2	655.8	544.7	512.9	514.2	566.8	624.2	730.7
35°	1008.6	1001.8	976.8	894.5	772.9	632.9	558.9	555.9	598.4	657.2	766.1
37.5°	1104.4	1103.6	1081.6	997.7	877.9	724.4	626.7	624.2	647.6	693.4	814.0
40°	1198.1	1195.9	1177.1	1100.6	981.4	815.6	691.2	684.9	689.6	744.0	877.1
42.5°	1255.5	1260.2	1266.7	1218.2	1104.2	922.6	772.9	769.0	768.2	823.2	960.2
45°	1286.6	1294.7	1333.1	1328.8	1234.3	1055.7	889.1	879.3	876.0	932.1	1055.2
47.5°	1316.8	1320.3	1383.2	1409.6	1359.0	1194.5	1029.6	1016.0	1002.6	1065.0	1168.7
50°	1318.7	1324.4	1402.3	1466.5	1463.5	1331.2	1187.2	1175.2	1160.0	1226.7	1279.5
52.5°	1292.0	1303.4	1399.8	1502.4	1528.3	1451.8	1350.8	1341.0	1328.5	1378.3	1372.9
55°	1107.7	1127.0	1351.9	1505.7	1573.8	1555.2	1515.2	1501.6	1489.4	1524.8	1464.3
57.5°	1020.0	1030.9	1206.5	1503.3	1631.7	1651.1	1657.9	1651.6	1634.5	1678.6	1559.9
60°	967.5	983.3	1137.1	1476.0	1694.4	1759.4	1802.2	1789.6	1768.7	1829.4	1662.2
62.5°	904.6	916.1	1068.0	1397.6	1731.7	1869.7	1937.5	1926.0	1882.7	1968.5	1745.0
65°	788.6	805.8	958.0	1274.3	1681.6	1950.5	2064.9	2061.1	1985.9	2073.6	1767.6
67.5°	641.9	657.4	799.3	1105.3	1535.1	1920.3	2137.0	2125.0	2032.7	2081.5	1696.0
70°	481.8	490.3	597.3	844.5	1257.7	1758.9	2084.7	2082.3	1961.7	1964.4	1476.3
72.5°	258.6	282.0	397.2	565.1	884.5	1424.6	1858.0	1848.2	1750.2	1608.9	1061.7
75°	90.4	97.2	211.5	317.4	480.5	949.0	1428.7	1405.8	1308.9	1046.5	578.5
77.5°	55.5	61.0	93.9	162.2	187.0	411.9	858.3	828.7	766.1	452.4	197.6
80°	38.4	43.3	62.9	84.9	63.7	133.4	395.0	383.8	295.4	107.8	45.5
82.5°	21.5	25.9	47.6	41.7	25.6	34.6	136.9	126.9	78.7	29.1	15.2
85°	12.5	15.0	33.5	29.4	13.1	12.3	35.7	31.9	20.4	10.9	7.4
87.5°	6.5	8.4	24.5	19.6	7.9	4.4	8.2	7.9	5.2	3.8	4.9
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°	506.3	506.3	506.3	506.3	506.3	506.3	506.3	506.3	506.3	506.3	506.3
2.5°	510.2	508.8	515.9	518.3	517.8	516.7	519.4	515.9	515.6	514.8	514.0
5°	519.4	521.6	527.3	527.3	519.7	507.2	499.5	489.2	480.5	475.3	474.5
7.5°	533.3	537.7	541.5	529.8	503.6	472.6	439.7	413.8	391.2	379.5	378.4
10°	552.9	557.0	554.0	520.5	464.4	400.2	346.5	292.6	265.7	251.0	251.0
12.5°	576.3	579.6	561.3	497.4	399.9	306.8	235.2	178.6	151.6	134.2	133.1
15°	601.6	602.4	560.2	457.1	320.1	206.1	135.0	99.1	87.7	85.2	84.7
17.5°	623.7	620.4	548.8	397.5	230.6	122.8	85.8	77.6	75.4	75.4	75.4
20°	644.4	633.5	525.9	328.0	147.8	83.6	73.8	71.6	71.6	71.9	71.9
22.5°	667.2	645.7	493.3	251.0	95.0	71.6	69.1	68.1	67.8	68.6	68.3
25°	694.2	657.7	446.5	173.4	73.5	66.7	65.6	64.5	64.5	64.5	64.5
27.5°	709.2	656.1	393.1	109.4	64.2	61.8	60.7	59.6	58.8	58.5	58.8
30°	722.2	646.5	323.4	76.5	58.0	55.3	54.4	53.1	51.5	50.9	50.9
32.5°	739.4	638.7	250.5	61.5	52.5	49.5	47.1	44.9	42.2	41.1	40.8
35°	758.4	624.2	183.5	54.2	47.6	43.8	40.0	36.5	32.9	31.9	31.6
37.5°	782.1	611.2	124.4	50.1	43.6	38.9	33.8	28.9	25.6	25.0	25.0
40°	814.2	600.3	86.0	46.6	39.7	34.3	28.0	22.9	20.7	20.1	20.1
42.5°	858.1	591.3	65.1	43.6	36.5	29.7	22.6	18.8	17.2	16.6	16.6
45°	909.8	577.4	55.0	40.8	33.2	25.0	18.8	15.8	15.0	15.0	15.0
47.5°	969.1	560.0	50.1	38.1	29.7	20.4	15.8	14.4	14.2	14.2	14.4
50°	1029.0	539.3	46.6	34.8	25.6	17.4	14.4	13.6	13.6	13.9	13.9
52.5°	1069.6	506.9	43.0	31.3	21.5	15.2	13.6	13.3	13.1	13.1	13.1
55°	1109.1	478.6	38.1	27.5	18.0	14.2	13.1	12.8	12.8	12.5	12.5
57.5°	1150.2	456.3	31.9	22.9	15.2	13.3	12.5	12.5	12.0	11.7	11.7
60°	1197.8	436.7	24.5	18.0	13.3	12.5	11.7	11.4	10.9	10.3	10.3
62.5°	1211.7	395.3	18.5	14.4	11.4	10.9	10.6	10.1	8.7	7.6	7.9
65°	1175.5	330.2	14.7	11.4	9.3	9.3	8.4	7.1	5.7	4.9	4.9
67.5°	1075.6	246.6	12.0	9.0	7.4	7.1	6.0	5.2	3.5	3.0	3.0
70°	886.4	163.1	9.8	7.1	6.0	4.9	4.1	3.8	2.7	2.2	2.2
72.5°	621.2	88.5	8.2	5.7	4.4	3.3	2.7	2.5	1.9	1.6	1.4
75°	328.0	34.0	6.5	4.4	2.7	2.2	1.6	1.6	1.4	1.1	1.1
77.5°	112.4	14.4	4.6	2.5	1.9	1.4	1.1	0.8	1.1	0.8	0.8
80°	26.7	8.4	3.0	1.6	1.1	0.8	0.8	0.5	0.5	0.5	0.5
82.5°	11.7	4.9	1.9	1.1	1.1	0.8	0.5	0.3	0.3	0.3	0.3
85°	7.9	3.0	1.4	1.1	0.8	0.5	0.3	0.3	0.0	0.0	0.0
87.5°	6.3	1.9	1.1	1.1	0.8	0.5	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)