

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: P675113

Luminaire Tested: **CCW-SA-1C-735-U-T4FT**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675113  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-735-U-T4FT  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
T4FT distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

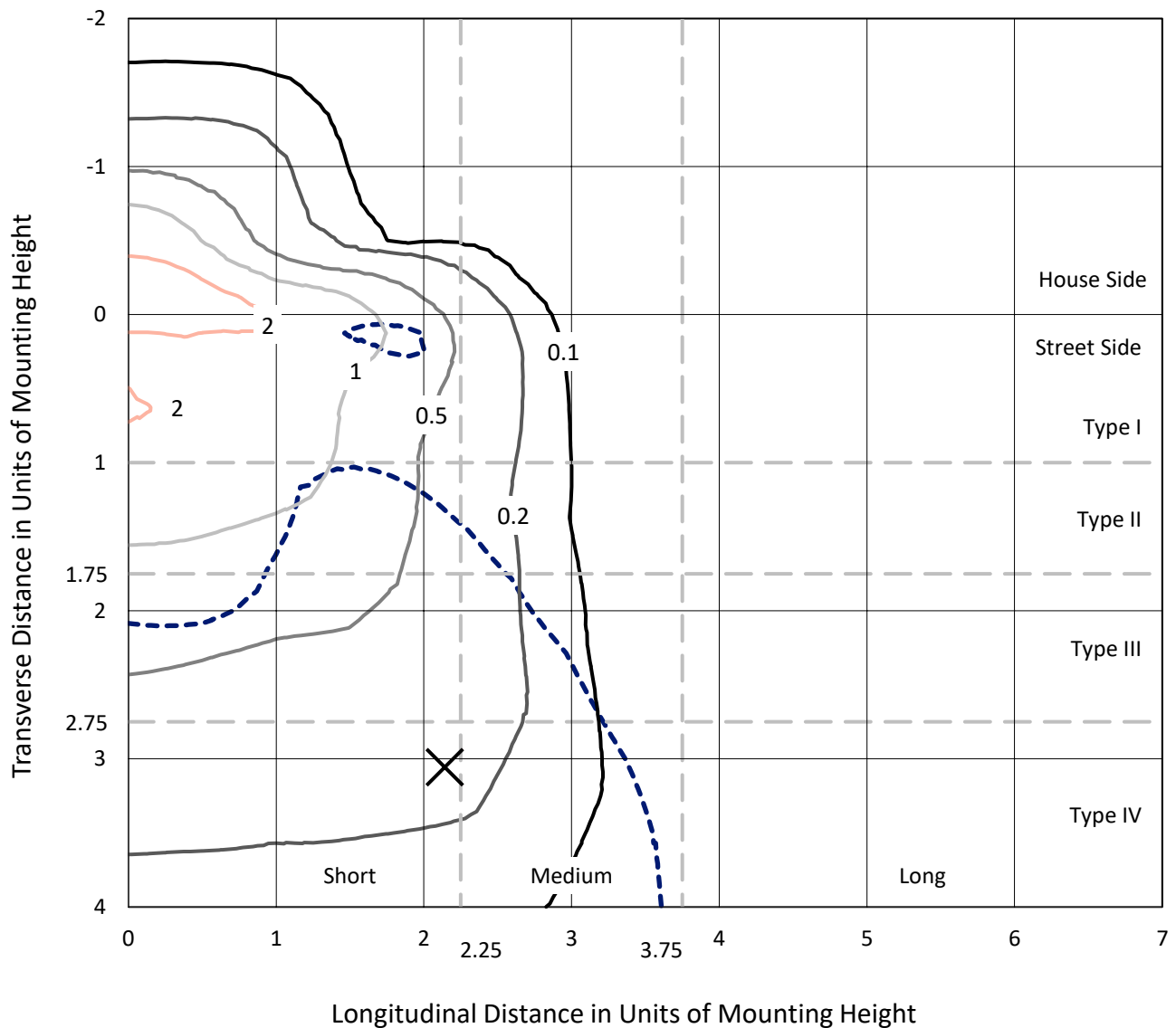
Lumens per Lamp: N/A  
Luminaire Lumens: 4456.6 lumens  
Efficiency: N/A  
Efficacy: 139.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P675113  
 CATALOG NUMBER: CCW-SA-1C-735-U-T4FT

### Iso-Footcandle Lines of Horizontal Illumination

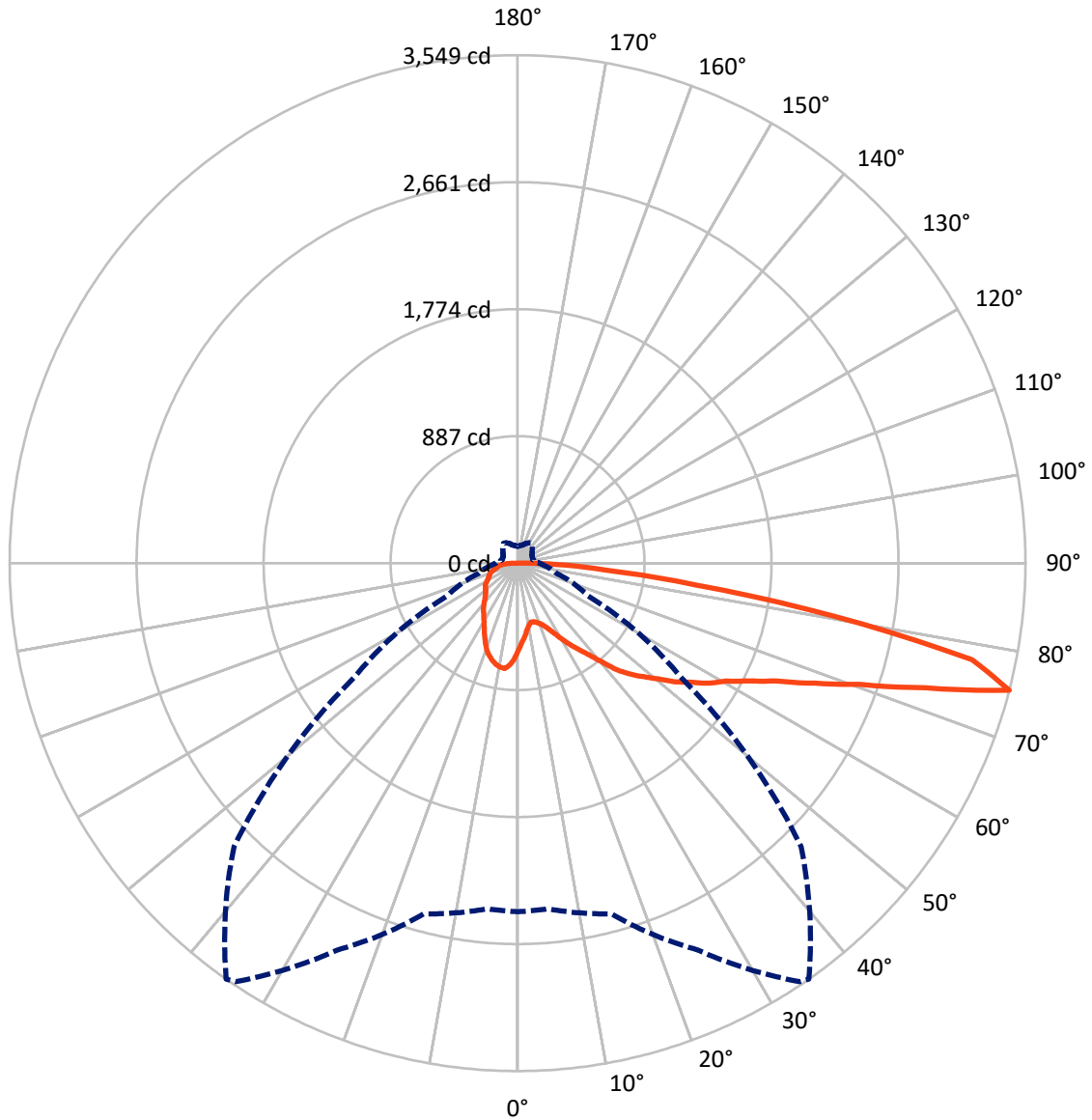
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P675113  
CATALOG NUMBER: CCW-SA-1C-735-U-T4FT

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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 CATALOG NUMBER: CCW-SA-1C-735-U-T4FT

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1024.2	0.0	1024.2
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	3432.3	0.0	3432.3
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	4456.6	0.0	4456.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.2	1.3
10°-20°	168.9	3.8
20°-30°	280.2	6.3
30°-40°	415.3	9.3
40°-50°	598.9	13.4
50°-60°	823.5	18.5
60°-70°	1017.2	22.8
70°-80°	930.6	20.9
80°-90°	163.8	3.7
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°	4456.6	100.0
0°-180°	4456.6	100.0



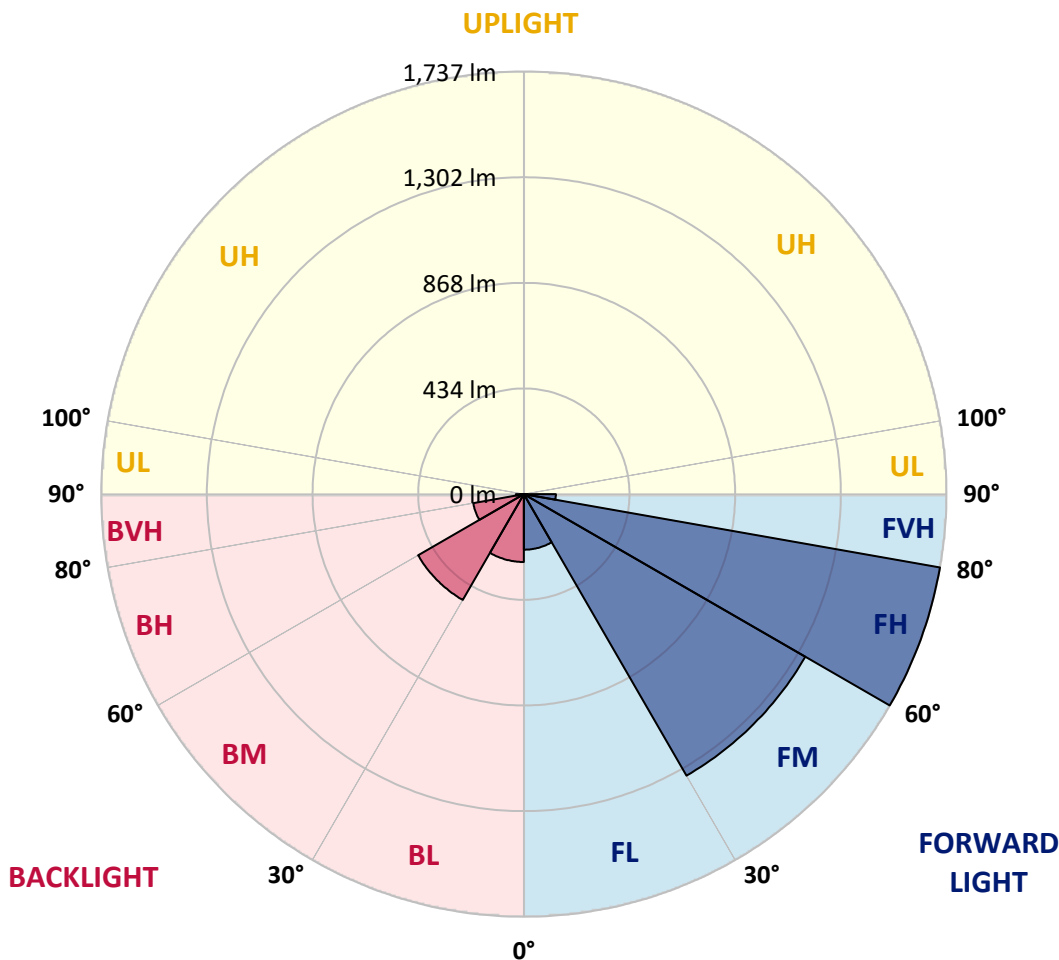
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 CATALOG NUMBER: CCW-SA-1C-735-U-T4FT

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.4	5.1			
FM (30°-60°)	1335.8	30.0			
FH (60°-80°)	1736.6	39.0			G1/1800
FVH (80°-90°)	131.5	3.0			G2/225
BL (0°-30°)	278.8	6.3	B1/500		
BM (30°-60°)	501.9	11.3	B1/1000		
BH (60°-80°)	211.2	4.7	B1/500		G1/500
BVH (80°-90°)	32.4	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





REPORT NUMBER: P675113

CATALOG NUMBER: CCW-SA-1C-735-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6
2.5°	553.1	548.2	553.1	556.4	556.4	556.4	561.3	576.1	586.0	592.5	604.0
5°	495.7	497.3	500.6	508.8	513.7	517.0	525.2	543.3	558.1	579.4	604.0
7.5°	444.8	448.1	453.0	461.2	472.7	471.1	489.1	513.7	541.6	569.5	605.7
10°	418.5	425.1	426.7	428.4	439.9	439.9	464.5	492.4	526.9	563.0	605.7
12.5°	423.5	423.5	418.5	416.9	423.5	421.8	443.2	476.0	513.7	564.6	612.2
15°	438.2	438.2	428.4	418.5	428.4	425.1	443.2	469.4	513.7	566.3	625.3
17.5°	457.9	459.6	448.1	431.7	435.0	436.6	449.7	474.3	513.7	569.5	643.4
20°	497.3	489.1	471.1	444.8	456.3	451.4	471.1	492.4	523.6	582.7	669.7
22.5°	531.8	531.8	497.3	474.3	476.0	476.0	494.0	512.1	538.4	600.7	689.4
25°	587.6	584.3	541.6	507.2	510.5	512.1	521.9	543.3	563.0	610.6	714.0
27.5°	658.2	650.0	607.3	567.9	554.8	559.7	564.6	581.0	586.0	627.0	743.5
30°	733.7	722.2	686.1	623.7	617.1	618.8	610.6	620.4	613.9	653.3	773.1
32.5°	781.3	781.3	746.8	700.8	682.8	682.8	654.9	661.5	661.5	677.9	825.6
35°	822.3	819.0	796.0	761.6	750.1	743.5	715.6	725.5	709.1	725.5	899.5
37.5°	884.7	874.8	865.0	842.0	819.0	814.1	799.3	805.9	782.9	774.7	983.2
40°	956.9	952.0	942.1	932.3	909.3	907.7	891.2	897.8	873.2	842.0	1066.9
42.5°	1063.6	1048.8	1017.6	1009.4	1014.3	1020.9	1014.3	1002.9	958.5	919.1	1157.1
45°	1170.3	1147.3	1088.2	1075.1	1112.8	1107.9	1135.8	1130.9	1058.7	996.3	1252.3
47.5°	1239.2	1219.5	1171.9	1163.7	1180.1	1186.7	1270.4	1255.6	1140.7	1066.9	1344.3
50°	1288.4	1290.1	1227.7	1249.1	1270.4	1270.4	1375.4	1373.8	1240.8	1153.9	1464.1
52.5°	1360.7	1337.7	1311.4	1331.1	1360.7	1377.1	1506.7	1470.6	1303.2	1227.7	1598.7
55°	1398.4	1388.6	1365.6	1400.1	1462.4	1470.6	1608.5	1580.6	1373.8	1314.7	1736.5
57.5°	1413.2	1421.4	1459.1	1473.9	1560.9	1582.2	1700.4	1661.0	1439.4	1423.0	1843.2
60°	1478.8	1467.4	1518.2	1577.3	1661.0	1672.5	1815.3	1730.0	1503.5	1493.6	1877.7
62.5°	1611.8	1582.2	1610.1	1680.7	1797.3	1812.0	1936.8	1821.9	1531.4	1541.2	1876.0
65°	1805.5	1784.1	1743.1	1798.9	1963.0	1984.4	2079.6	1900.7	1523.2	1524.8	1743.1
67.5°	2033.6	1999.1	1956.5	1990.9	2191.2	2240.4	2253.6	1935.1	1465.7	1432.9	1418.1
70°	2233.9	2210.9	2183.0	2242.1	2521.1	2539.1	2470.2	1913.8	1306.5	1150.6	945.4
72.5°	2421.0	2409.5	2425.9	2647.5	2967.5	2979.0	2673.7	1779.2	1032.4	697.6	439.9
75°	2435.7	2424.2	2537.5	2982.3	3527.2	3548.6	2800.1	1395.1	544.9	284.0	185.5
77.5°	1649.5	1684.0	1895.7	2611.4	3240.0	3244.9	2289.7	648.3	224.9	167.4	129.7
80°	405.4	449.7	714.0	1350.8	2184.6	2238.8	1254.0	218.3	147.7	128.0	96.8
82.5°	147.7	160.9	290.5	610.6	1227.7	1249.1	438.2	118.2	106.7	98.5	70.6
85°	70.6	72.2	137.9	300.4	620.4	613.9	157.6	70.6	77.1	67.3	42.7
87.5°	29.5	29.5	60.7	139.5	274.1	265.9	50.9	32.8	44.3	39.4	21.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675113  
 CATALOG NUMBER: CCW-SA-1C-735-U-T4FT

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6	610.6
2.5°	612.2	615.5	628.6	638.5	648.3	656.5	669.7	669.7	677.9	677.9	677.9
5°	610.6	628.6	650.0	672.9	687.7	702.5	715.6	717.3	722.2	728.8	730.4
7.5°	617.1	635.2	669.7	702.5	720.5	727.1	743.5	738.6	738.6	738.6	743.5
10°	630.3	650.0	697.6	727.1	740.2	741.9	737.0	733.7	723.8	720.5	715.6
12.5°	640.1	674.6	722.2	745.2	740.2	735.3	723.8	707.4	695.9	692.6	692.6
15°	664.7	699.2	743.5	751.7	743.5	717.3	702.5	684.4	674.6	659.8	666.4
17.5°	686.1	725.5	764.9	755.0	738.6	697.6	676.2	650.0	636.8	620.4	620.4
20°	714.0	750.1	784.6	758.3	722.2	677.9	643.4	610.6	592.5	576.1	579.4
22.5°	745.2	778.0	796.0	745.2	697.6	646.7	599.1	567.9	544.9	535.1	538.4
25°	769.8	805.9	802.6	723.8	668.0	607.3	554.8	525.2	520.3	510.5	510.5
27.5°	801.0	838.7	797.7	697.6	618.8	544.9	512.1	500.6	500.6	495.7	499.0
30°	842.0	868.3	786.2	659.8	556.4	489.1	472.7	479.3	490.8	485.8	487.5
32.5°	909.3	906.0	776.4	617.1	490.8	435.0	446.4	459.6	469.4	474.3	477.6
35°	975.0	953.6	764.9	559.7	430.0	408.7	418.5	433.3	451.4	456.3	457.9
37.5°	1040.6	1002.9	745.2	489.1	392.3	385.7	395.6	403.8	418.5	421.8	425.1
40°	1109.5	1035.7	710.7	420.2	361.1	361.1	367.7	369.3	377.5	382.4	385.7
42.5°	1170.3	1066.9	648.3	356.2	328.3	339.8	341.4	338.1	331.5	334.8	336.5
45°	1244.1	1101.3	576.1	310.2	303.6	318.4	321.7	308.6	297.1	290.5	287.2
47.5°	1316.3	1137.4	513.7	272.5	280.7	303.6	303.6	288.9	269.2	252.8	246.2
50°	1382.0	1173.6	462.9	249.5	257.7	292.2	295.4	267.5	246.2	226.5	223.2
52.5°	1492.0	1234.3	410.3	231.4	244.6	284.0	282.3	257.7	229.8	208.4	206.8
55°	1588.8	1295.0	341.4	213.4	231.4	272.5	277.4	247.8	210.1	190.4	187.1
57.5°	1659.4	1309.8	272.5	195.3	218.3	259.3	265.9	228.1	197.0	180.5	178.9
60°	1672.5	1252.3	221.6	180.5	200.2	241.3	246.2	216.7	187.1	174.0	170.7
62.5°	1611.8	1142.4	188.8	167.4	185.5	223.2	233.1	203.5	177.3	165.8	164.1
65°	1473.9	981.5	165.8	155.9	175.6	210.1	221.6	193.7	169.1	159.2	157.6
67.5°	1167.0	753.4	147.7	147.7	162.5	197.0	213.4	187.1	160.9	154.3	152.6
70°	763.2	453.0	134.6	136.2	152.6	185.5	203.5	178.9	151.0	149.4	146.1
72.5°	328.3	208.4	119.8	124.7	137.9	165.8	188.8	167.4	139.5	134.6	129.7
75°	151.0	126.4	108.3	111.6	123.1	146.1	170.7	154.3	129.7	121.5	116.5
77.5°	106.7	91.9	90.3	96.8	105.0	126.4	151.0	144.4	119.8	113.3	110.0
80°	78.8	70.6	75.5	82.1	87.0	116.5	142.8	132.9	110.0	100.1	95.2
82.5°	55.8	52.5	59.1	65.7	70.6	101.8	131.3	116.5	91.9	83.7	75.5
85°	32.8	34.5	41.0	44.3	49.2	75.5	110.0	93.6	70.6	54.2	52.5
87.5°	14.8	14.8	19.7	21.3	24.6	44.3	73.9	59.1	44.3	34.5	32.8
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)