

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: P675257

Luminaire Tested: **CCW-SA-1C-735-U-T4W**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675257  
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-T4W  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
T4W distribution lens  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

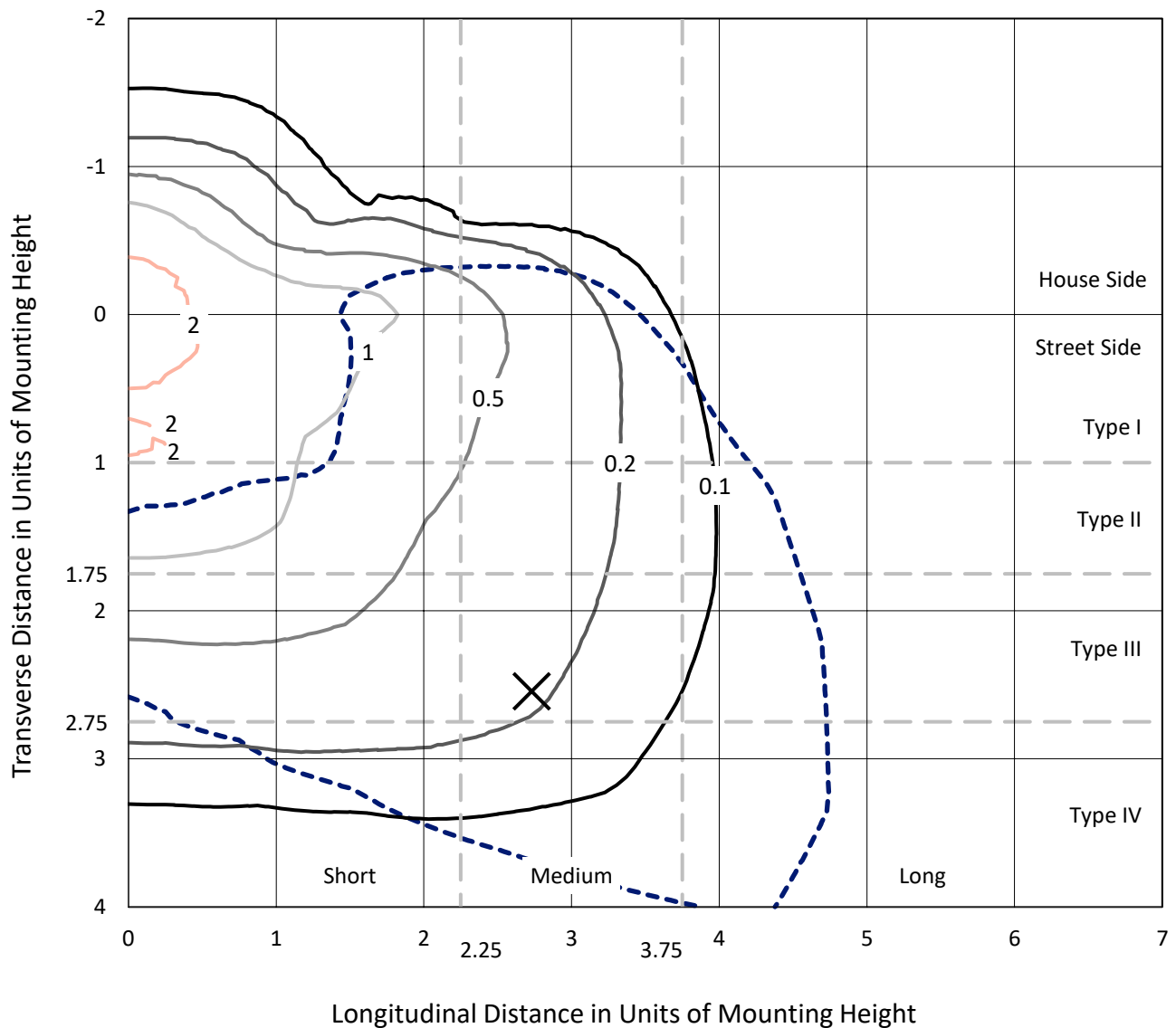
Lumens per Lamp: N/A  
Luminaire Lumens: 4498.7 lumens  
Efficiency: N/A  
Efficacy: 140.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

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: P675257  
 CATALOG NUMBER: CCW-SA-1C-735-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

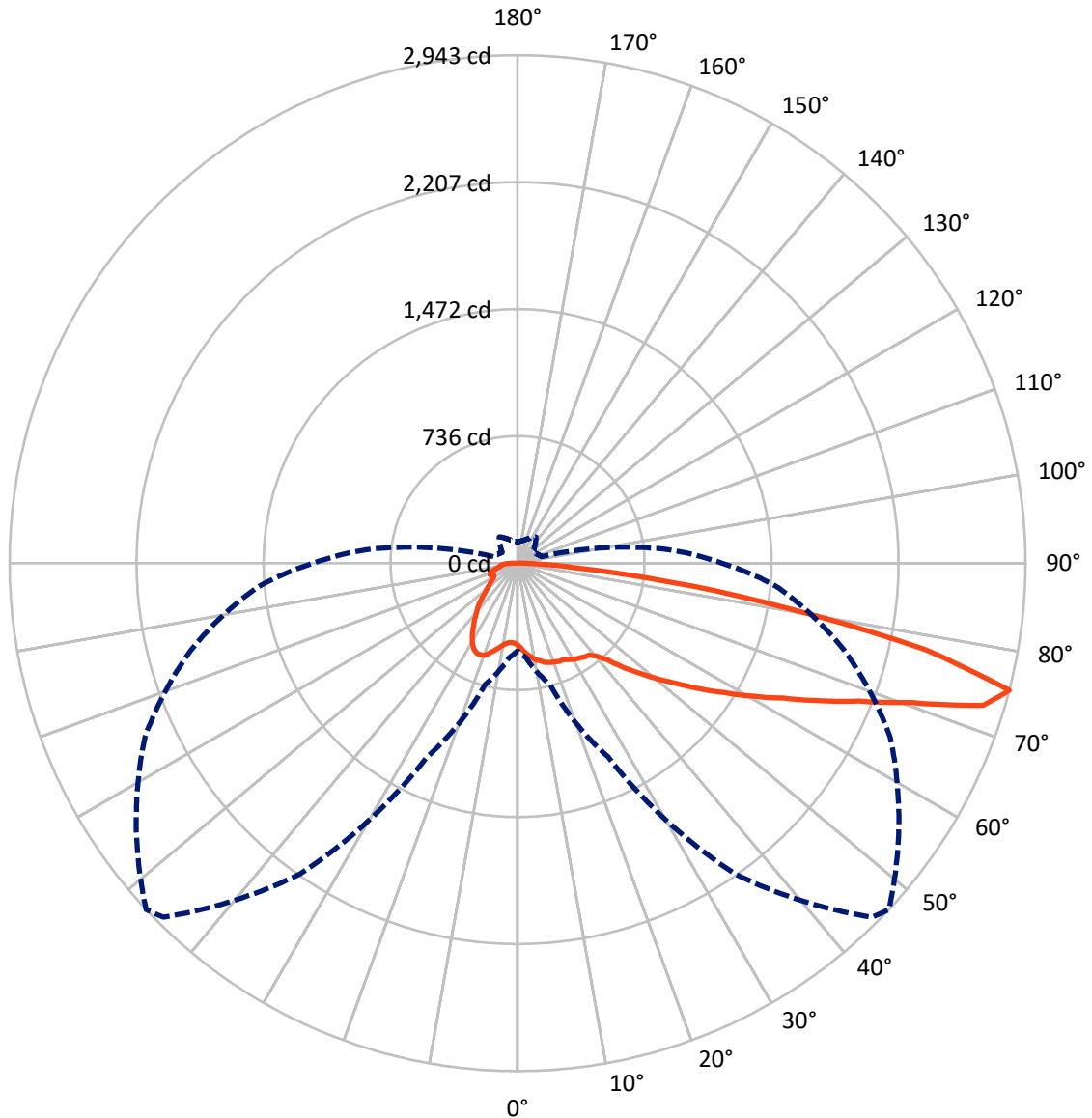
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P675257  
CATALOG NUMBER: CCW-SA-1C-735-U-T4W

### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P675257  
 CATALOG NUMBER: CCW-SA-1C-735-U-T4W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1075.9	0.0	1075.9
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	3422.8	0.0	3422.8
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	4498.7	0.0	4498.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.3	1.1
10°-20°	160.4	3.6
20°-30°	274.7	6.1
30°-40°	384.3	8.5
40°-50°	535.8	11.9
50°-60°	800.9	17.8
60°-70°	1154.8	25.7
70°-80°	983.0	21.8
80°-90°	156.6	3.5
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°	4498.7	100.0
0°-180°	4498.7	100.0

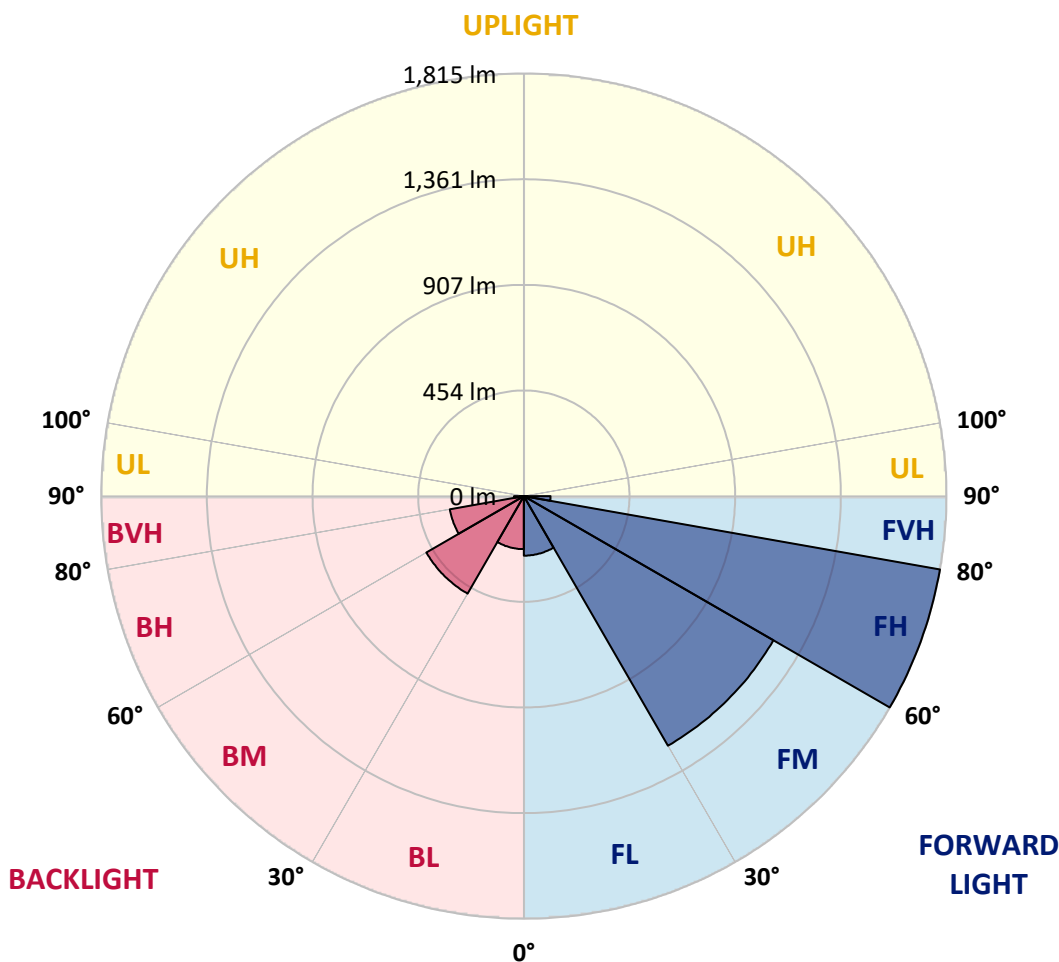


REPORT NUMBER: P675257  
 CATALOG NUMBER: CCW-SA-1C-735-U-T4W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.6	5.7			
FM (30°-60°)	1237.6	27.5			
FH (60°-80°)	1814.9	40.3			G2/5000
FVH (80°-90°)	114.7	2.6			G2/225
BL (0°-30°)	227.7	5.1	B1/500		
BM (30°-60°)	483.5	10.7	B1/1000		
BH (60°-80°)	322.8	7.2	B1/500		G1/500
BVH (80°-90°)	41.9	0.9			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 Medium





REPORT NUMBER: P675257  
 CATALOG NUMBER: CCW-SA-1C-735-U-T4W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7
2.5°	512.1	513.8	513.8	510.5	507.2	500.6	500.6	494.1	490.8	482.6	479.3
5°	559.7	554.8	549.9	548.2	540.0	528.5	526.9	520.3	502.3	494.1	482.6
7.5°	594.2	592.6	590.9	584.4	569.6	551.5	546.6	536.8	518.7	502.3	489.2
10°	622.1	628.7	622.1	607.3	592.6	572.9	571.2	553.2	536.8	517.1	500.6
12.5°	653.3	654.9	643.5	625.4	602.4	586.0	579.4	572.9	554.8	538.4	513.8
15°	674.6	671.4	663.1	638.5	612.3	595.8	597.5	589.3	569.6	558.1	531.8
17.5°	674.6	674.6	661.5	643.5	620.5	605.7	605.7	600.8	587.6	571.2	553.2
20°	661.5	661.5	653.3	643.5	617.2	613.9	610.6	607.3	607.3	592.6	566.3
22.5°	645.1	641.8	645.1	628.7	610.6	613.9	618.8	617.2	612.3	599.1	581.1
25°	628.7	630.3	633.6	622.1	605.7	620.5	618.8	627.0	623.8	613.9	599.1
27.5°	627.0	630.3	632.0	620.5	613.9	627.0	633.6	641.8	643.5	633.6	615.5
30°	651.7	650.0	648.4	633.6	628.7	640.2	646.7	658.2	668.1	646.7	632.0
32.5°	715.7	705.8	696.0	656.6	641.8	650.0	656.6	673.0	674.6	663.1	641.8
35°	817.4	810.9	778.0	709.1	668.1	659.9	666.4	677.9	681.2	673.0	656.6
37.5°	934.0	930.7	884.7	801.0	722.2	682.8	676.3	692.7	705.8	687.8	664.8
40°	1048.9	1035.8	1002.9	920.9	791.2	717.3	709.1	717.3	722.2	709.1	694.3
42.5°	1152.3	1137.5	1129.3	1047.2	881.5	774.8	768.2	748.5	763.3	746.9	727.2
45°	1239.3	1236.0	1232.7	1162.2	984.9	868.3	863.4	812.5	828.9	815.8	787.9
47.5°	1301.7	1316.4	1311.5	1272.1	1103.1	968.5	953.7	888.0	912.6	899.5	871.6
50°	1375.5	1383.7	1378.8	1352.6	1213.0	1083.4	1055.5	988.2	1016.1	1014.4	999.6
52.5°	1441.2	1465.8	1437.9	1436.3	1370.6	1208.1	1160.5	1096.5	1142.5	1160.5	1158.9
55°	1518.3	1538.0	1529.8	1526.6	1511.8	1329.6	1286.9	1209.8	1286.9	1313.2	1336.1
57.5°	1584.0	1582.4	1613.6	1651.3	1669.4	1469.1	1418.2	1327.9	1444.5	1474.0	1538.0
60°	1613.6	1641.5	1694.0	1789.2	1840.1	1618.5	1565.9	1493.7	1603.7	1626.7	1744.9
62.5°	1633.2	1657.9	1759.6	1920.5	1950.0	1771.1	1721.9	1649.7	1777.7	1794.1	1969.7
65°	1579.1	1602.1	1804.0	1969.7	2074.8	1935.3	1923.8	1848.3	1951.7	1961.5	2206.1
67.5°	1516.7	1541.3	1766.2	2032.1	2240.6	2153.6	2135.5	2045.3	2124.0	2112.6	2386.7
70°	1406.7	1439.6	1669.4	2086.3	2424.4	2458.9	2422.8	2294.8	2303.0	2194.6	2394.9
72.5°	1071.9	1093.2	1306.6	1871.3	2509.8	2882.4	2820.0	2564.0	2470.4	2211.0	2114.2
75°	508.9	548.2	728.8	1237.7	2199.6	2902.1	2943.1	2696.9	2381.8	1961.5	1498.6
77.5°	147.7	147.7	221.6	525.3	1378.8	2339.1	2416.2	2289.8	1964.8	1452.7	787.9
80°	80.4	85.4	116.5	185.5	605.7	1475.7	1587.3	1518.3	1157.2	574.5	203.5
82.5°	46.0	47.6	77.1	111.6	275.8	802.7	868.3	787.9	439.9	174.0	95.2
85°	26.3	27.9	44.3	73.9	164.1	295.5	321.7	279.0	177.3	116.5	47.6
87.5°	13.1	13.1	21.3	34.5	83.7	83.7	82.1	100.1	106.7	70.6	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: P675257  
 CATALOG NUMBER: CCW-SA-1C-735-U-T4W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7	477.7
2.5°	477.7	476.0	476.0	469.5	467.8	462.9	462.9	459.6	458.0	462.9	462.9
5°	479.3	471.1	469.5	462.9	464.5	461.2	467.8	464.5	462.9	462.9	461.2
7.5°	482.6	474.4	467.8	462.9	461.2	466.2	474.4	474.4	484.2	479.3	479.3
10°	490.8	485.9	477.7	474.4	474.4	479.3	489.2	495.7	503.9	503.9	499.0
12.5°	510.5	502.3	492.4	487.5	494.1	499.0	508.9	515.4	525.3	528.5	525.3
15°	525.3	517.1	513.8	510.5	515.4	522.0	530.2	536.8	548.2	551.5	549.9
17.5°	545.0	535.1	533.5	535.1	538.4	543.3	548.2	553.2	561.4	561.4	561.4
20°	554.8	551.5	549.9	554.8	561.4	567.9	564.7	561.4	559.7	563.0	561.4
22.5°	572.9	569.6	571.2	576.2	576.2	572.9	567.9	556.5	553.2	556.5	553.2
25°	589.3	586.0	586.0	582.7	581.1	569.6	559.7	549.9	538.4	543.3	541.7
27.5°	605.7	604.1	604.1	590.9	574.5	554.8	541.7	530.2	523.6	531.8	526.9
30°	625.4	627.0	618.8	587.6	548.2	526.9	512.1	510.5	508.9	513.8	512.1
32.5°	643.5	645.1	632.0	582.7	528.5	487.5	472.7	474.4	482.6	490.8	499.0
35°	653.3	661.5	645.1	566.3	489.2	443.2	426.8	441.6	456.3	467.8	476.0
37.5°	671.4	692.7	664.8	548.2	454.7	403.8	392.3	397.2	415.3	433.3	441.6
40°	697.6	722.2	669.7	513.8	408.7	364.4	357.8	359.5	366.0	377.5	385.7
42.5°	743.6	769.8	674.6	469.5	362.8	339.8	321.7	316.8	311.9	311.9	310.2
45°	810.9	835.5	668.1	413.6	316.8	300.4	287.3	275.8	262.6	241.3	244.6
47.5°	909.4	929.1	673.0	364.4	274.1	261.0	251.1	238.0	218.3	195.3	193.7
50°	1058.7	1029.2	666.4	313.5	242.9	231.4	223.2	205.2	182.2	165.8	164.1
52.5°	1232.7	1173.6	659.9	270.8	216.7	206.8	200.3	180.6	159.2	151.0	149.4
55°	1442.8	1357.5	669.7	233.1	197.0	188.8	182.2	164.1	147.7	141.2	139.5
57.5°	1690.7	1556.1	723.9	203.5	175.6	172.4	170.7	155.9	141.2	136.2	134.6
60°	1923.8	1746.5	760.0	182.2	155.9	159.2	162.5	155.9	139.5	136.2	136.2
62.5°	2119.1	1904.1	702.5	164.1	146.1	155.9	170.7	165.8	159.2	162.5	159.2
65°	2291.5	1958.3	525.3	154.3	141.2	164.1	188.8	187.1	172.4	175.6	174.0
67.5°	2321.0	1892.6	343.1	146.1	137.9	180.6	211.7	192.1	162.5	162.5	157.6
70°	2197.9	1717.0	229.8	137.9	136.2	180.6	216.7	180.6	152.7	152.7	146.1
72.5°	1804.0	1372.3	177.3	129.7	124.8	160.9	205.2	170.7	142.8	139.5	128.0
75°	1185.1	884.7	144.4	123.1	108.3	141.2	185.5	157.6	136.2	126.4	121.5
77.5°	581.1	397.2	121.5	108.3	93.6	123.1	169.1	149.4	128.0	118.2	114.9
80°	159.2	142.8	101.8	95.2	78.8	106.7	159.2	142.8	119.8	110.0	105.1
82.5°	90.3	88.6	82.1	77.1	65.7	106.7	160.9	142.8	113.3	111.6	95.2
85°	49.2	52.5	59.1	57.5	50.9	95.2	152.7	124.8	91.9	77.1	77.1
87.5°	19.7	24.6	29.5	32.8	34.5	70.6	114.9	95.2	70.6	59.1	59.1
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)