

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: P675409

Luminaire Tested: **CCW-SA-2E-735-U-SL2**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675409  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2E-735-U-SL2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/  
SL2 distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

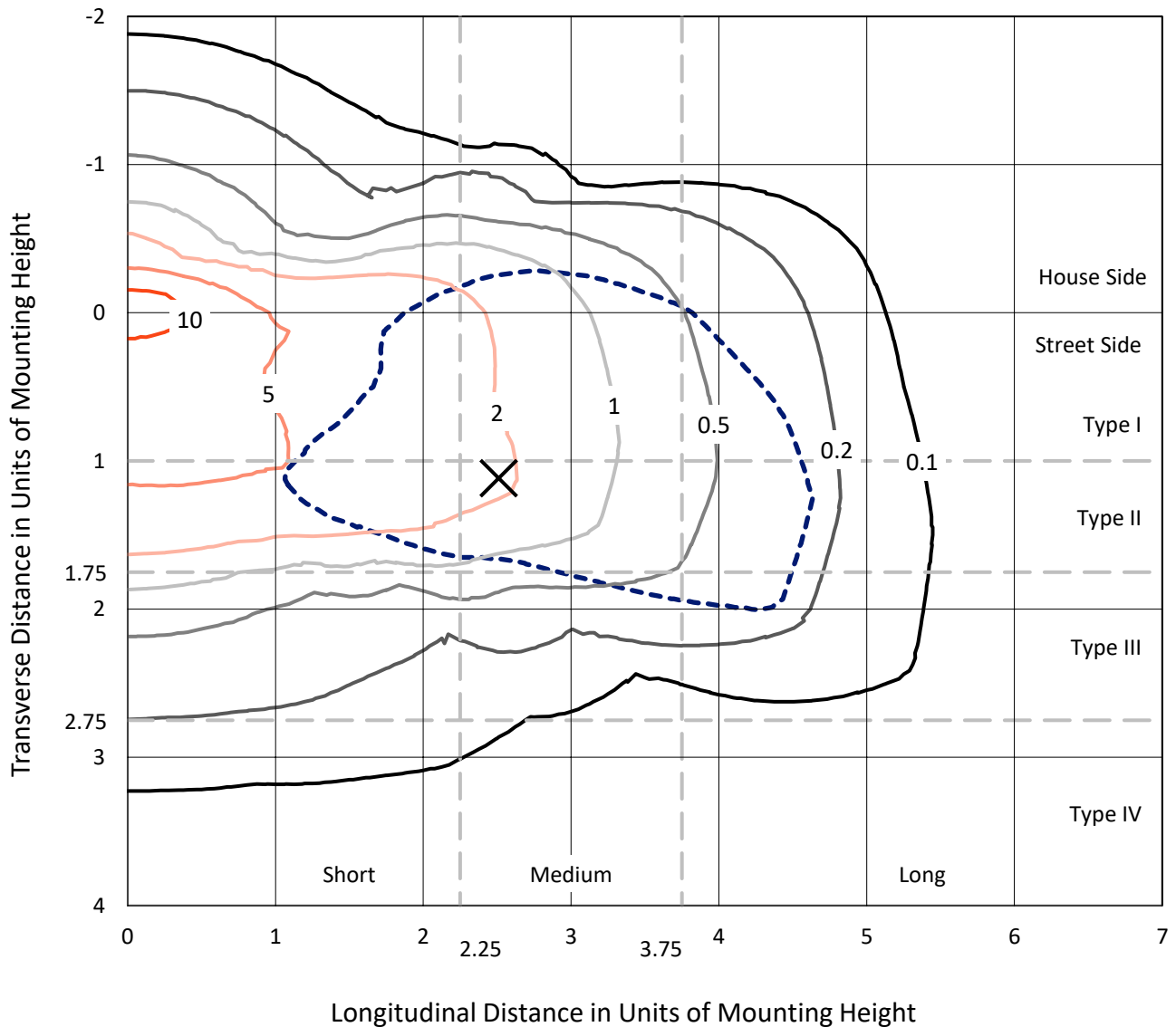
Lumens per Lamp: N/A  
Luminaire Lumens: 13346.7 lumens  
Efficiency: N/A  
Efficacy: 125.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6  
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: P675409  
 CATALOG NUMBER: CCW-SA-2E-735-U-SL2

### Iso-Footcandle Lines of Horizontal Illumination

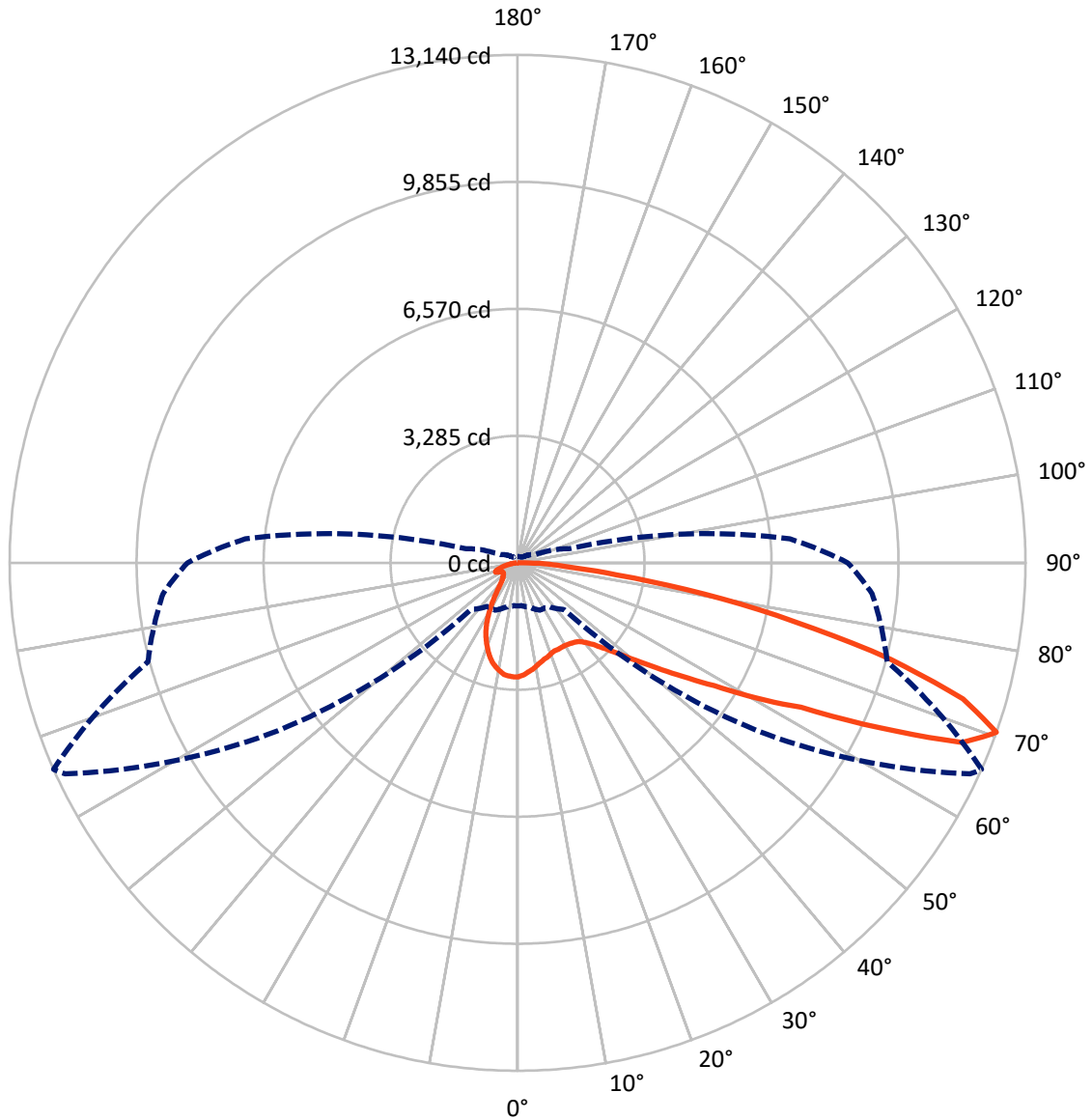
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P675409  
CATALOG NUMBER: CCW-SA-2E-735-U-SL2

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P675409  
 CATALOG NUMBER: CCW-SA-2E-735-U-SL2

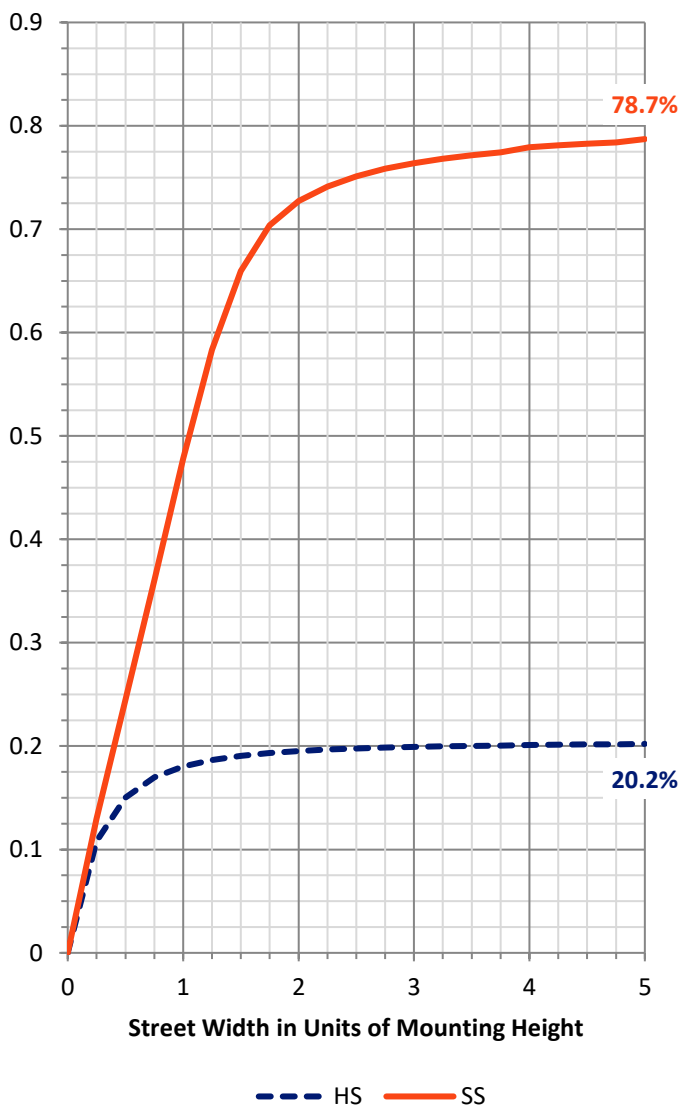
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2731.9	0.0	2731.9
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	10614.8	0.0	10614.8
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	13346.7	0.0	13346.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.7	2.0
10°-20°	641.8	4.8
20°-30°	881.5	6.6
30°-40°	1181.9	8.9
40°-50°	1714.8	12.8
50°-60°	2606.5	19.5
60°-70°	3219.2	24.1
70°-80°	2393.9	17.9
80°-90°	446.5	3.3
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°	13346.7	100.0
0°-180°	13346.7	100.0

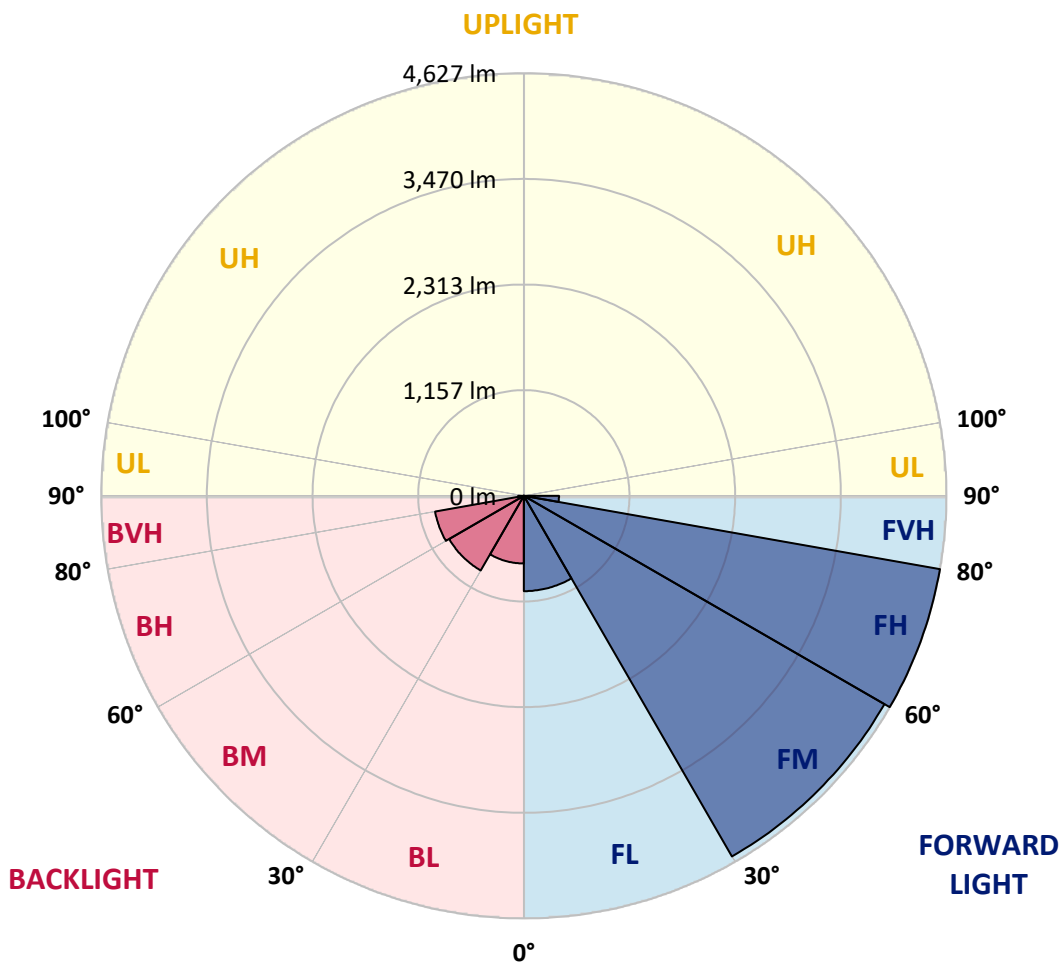


REPORT NUMBER: P675409  
 CATALOG NUMBER: CCW-SA-2E-735-U-SL2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1043.6	7.8			
FM (30°-60°)	4559.4	34.2			
FH (60°-80°)	4626.9	34.7			G2/5000
FVH (80°-90°)	384.9	2.9			G3/500
BL (0°-30°)	740.4	5.5	B2/1000		
BM (30°-60°)	943.7	7.1	B1/1000		
BH (60°-80°)	986.2	7.4	B2/1000		G2/1000
BVH (80°-90°)	61.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type III Medium





REPORT NUMBER: P675409

CATALOG NUMBER: CCW-SA-2E-735-U-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7
2.5°	2804.7	2819.6	2824.6	2834.5	2859.3	2879.2	2909.0	2923.9	2909.0	2928.8	2928.8
5°	2611.1	2591.3	2640.9	2660.8	2690.6	2730.3	2799.8	2854.4	2839.5	2899.1	2948.7
7.5°	2447.3	2447.3	2462.2	2506.9	2541.6	2601.2	2675.7	2760.1	2784.9	2864.3	2938.8
10°	2298.4	2318.3	2318.3	2387.7	2407.6	2477.1	2601.2	2705.5	2710.4	2844.5	2948.7
12.5°	2219.0	2209.0	2258.7	2278.5	2338.1	2407.6	2506.9	2636.0	2640.9	2784.9	2928.8
15°	2154.4	2164.4	2189.2	2238.8	2293.4	2348.0	2442.4	2561.5	2586.3	2755.1	2918.9
17.5°	2159.4	2164.4	2164.4	2199.1	2243.8	2308.3	2397.7	2536.7	2551.6	2715.4	2904.0
20°	2189.2	2169.3	2184.2	2199.1	2228.9	2288.5	2362.9	2482.1	2497.0	2710.4	2938.8
22.5°	2253.7	2238.8	2233.9	2228.9	2223.9	2258.7	2353.0	2452.3	2467.2	2685.6	2953.7
25°	2358.0	2353.0	2318.3	2283.5	2258.7	2258.7	2333.1	2477.1	2472.1	2685.6	2963.6
27.5°	2482.1	2482.1	2477.1	2412.6	2338.1	2298.4	2348.0	2467.2	2462.2	2685.6	2988.4
30°	2650.8	2650.8	2636.0	2576.4	2442.4	2328.2	2358.0	2457.2	2472.1	2665.7	2968.6
32.5°	2834.5	2829.6	2844.5	2789.8	2650.8	2467.2	2417.5	2477.1	2492.0	2685.6	2973.5
35°	2968.6	2998.3	3048.0	2998.3	2859.3	2611.1	2501.9	2516.8	2526.7	2690.6	2993.4
37.5°	3122.4	3157.2	3226.7	3266.4	3117.5	2829.6	2636.0	2581.4	2581.4	2755.1	2998.3
40°	3345.8	3311.1	3430.2	3499.7	3440.1	3097.6	2844.5	2700.5	2705.5	2839.5	3062.9
42.5°	3509.6	3544.4	3668.5	3792.6	3718.1	3425.3	3072.8	2894.1	2894.1	2963.6	3162.2
45°	3693.3	3733.0	3906.8	4055.7	4110.3	3817.4	3385.5	3172.1	3162.2	3206.8	3340.9
47.5°	3896.8	3951.5	4150.0	4323.8	4467.7	4224.5	3787.6	3509.6	3504.7	3539.4	3638.7
50°	4130.2	4150.0	4313.8	4631.5	4919.5	4765.6	4279.1	3986.2	3961.4	3976.3	4110.3
52.5°	4199.7	4184.8	4373.4	4715.9	5242.1	5425.8	4949.2	4527.3	4517.4	4482.6	4656.4
55°	3946.5	3996.1	4179.8	4616.6	5505.2	6205.2	5683.9	5266.9	5177.6	5083.3	5291.8
57.5°	3440.1	3445.1	3653.6	4169.9	5301.7	6850.5	6929.9	5991.7	5996.7	5743.5	5981.8
60°	2675.7	2660.8	2824.6	3291.2	4720.9	7049.1	8290.1	7148.4	7098.7	6403.7	6622.2
62.5°	1931.0	1901.3	1936.0	2209.0	3529.5	6746.3	9625.5	8444.0	8235.5	7078.9	7247.6
65°	1588.5	1603.4	1618.3	1633.2	1980.7	5564.8	10037.5	10558.7	10280.7	7868.2	7937.7
67.5°	1315.5	1325.4	1390.0	1479.3	1469.4	3286.3	9560.9	12514.6	12410.3	8846.1	8533.4
70°	1116.9	1112.0	1186.4	1350.2	1375.1	1707.7	7570.3	12916.7	13140.1	9898.5	9208.5
72.5°	893.5	903.5	968.0	1186.4	1350.2	1439.6	4358.5	12052.9	12048.0	10707.6	8846.1
75°	640.4	640.4	729.7	982.9	1305.6	1424.7	2412.6	9784.3	9968.0	10062.3	7674.6
77.5°	422.0	441.8	511.3	734.7	1226.1	1394.9	1529.0	7113.6	7342.0	7525.6	5872.6
80°	287.9	297.8	342.5	511.3	1037.5	1404.9	1251.0	4785.4	4874.8	4155.0	2382.8
82.5°	173.7	178.7	228.4	357.4	744.6	1335.4	1176.5	2640.9	2586.3	1255.9	685.1
85°	94.3	99.3	144.0	238.3	491.4	1166.6	1156.6	1295.6	1206.3	461.7	287.9
87.5°	34.7	34.7	64.5	119.1	283.0	799.2	1007.7	769.4	719.8	233.3	134.0
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: P675409  
 CATALOG NUMBER: CCW-SA-2E-735-U-SL2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7	2948.7
2.5°	2953.7	2953.7	2953.7	2953.7	2948.7	2928.8	2943.7	2938.8	2909.0	2913.9	2894.1
5°	2943.7	2968.6	2953.7	2933.8	2909.0	2849.4	2829.6	2814.7	2775.0	2760.1	2775.0
7.5°	2968.6	2948.7	2938.8	2904.0	2804.7	2750.1	2680.6	2596.2	2536.7	2521.8	2536.7
10°	2963.6	2963.6	2918.9	2819.6	2725.3	2566.5	2477.1	2328.2	2243.8	2219.0	2223.9
12.5°	2943.7	2958.6	2889.1	2730.3	2551.6	2358.0	2194.1	2035.3	1886.4	1826.8	1816.9
15°	2963.6	2948.7	2824.6	2621.1	2372.9	2104.8	1866.5	1633.2	1494.2	1404.9	1385.0
17.5°	2933.8	2918.9	2740.2	2472.1	2139.5	1797.0	1499.2	1246.0	1107.0	1072.3	1072.3
20°	2968.6	2874.2	2640.9	2293.4	1896.3	1459.5	1121.9	933.3	898.5	898.5	908.4
22.5°	2963.6	2864.3	2556.5	2119.7	1603.4	1102.0	834.0	779.4	784.3	824.0	819.1
25°	2933.8	2844.5	2437.4	1926.1	1295.6	829.0	690.0	675.1	709.9	754.5	749.6
27.5°	2928.8	2789.8	2328.2	1697.7	987.9	655.3	600.7	600.7	635.4	675.1	670.2
30°	2899.1	2745.2	2194.1	1439.6	744.6	570.9	551.0	551.0	565.9	585.8	585.8
32.5°	2894.1	2685.6	2045.2	1171.5	595.7	516.3	506.3	511.3	511.3	521.2	516.3
35°	2854.4	2606.2	1891.3	908.4	516.3	486.5	476.6	471.6	471.6	466.6	466.6
37.5°	2839.5	2556.5	1732.5	704.9	481.5	461.7	451.7	436.8	431.9	431.9	426.9
40°	2854.4	2506.9	1578.6	570.9	451.7	441.8	426.9	407.1	402.1	402.1	402.1
42.5°	2909.0	2501.9	1419.7	496.4	436.8	422.0	402.1	382.2	377.3	382.2	377.3
45°	3033.1	2541.6	1265.9	461.7	417.0	402.1	377.3	362.4	357.4	362.4	362.4
47.5°	3236.6	2650.8	1126.9	441.8	402.1	382.2	357.4	342.5	342.5	342.5	342.5
50°	3574.2	2859.3	992.8	426.9	392.2	367.3	342.5	322.7	317.7	317.7	322.7
52.5°	4080.5	3216.8	883.6	417.0	377.3	347.5	322.7	307.8	297.8	292.9	297.8
55°	4691.1	3738.0	848.9	407.1	357.4	332.6	307.8	287.9	278.0	278.0	273.0
57.5°	5346.4	4313.8	908.4	397.1	342.5	312.7	287.9	268.1	258.1	253.2	253.2
60°	6056.2	4993.9	1126.9	392.2	327.6	292.9	268.1	253.2	238.3	233.3	233.3
62.5°	6701.6	5609.5	1519.0	387.2	317.7	273.0	248.2	228.4	218.4	213.5	213.5
65°	7436.3	6294.5	1901.3	407.1	312.7	258.1	228.4	208.5	198.6	193.6	193.6
67.5°	8076.7	6890.2	2124.7	456.7	327.6	238.3	203.5	188.6	183.7	178.7	178.7
70°	8543.3	7073.9	1424.7	501.4	352.5	223.4	183.7	173.7	163.8	163.8	163.8
72.5°	7917.8	6314.4	843.9	471.6	332.6	208.5	163.8	153.9	148.9	148.9	144.0
75°	6771.1	5376.2	650.3	382.2	268.1	178.7	144.0	134.0	129.1	129.1	124.1
77.5°	4998.9	3852.2	481.5	302.8	208.5	144.0	124.1	119.1	114.2	109.2	109.2
80°	1955.9	1687.8	327.6	223.4	153.9	114.2	104.2	99.3	94.3	89.4	89.4
82.5°	605.6	511.3	188.6	148.9	109.2	89.4	84.4	79.4	74.5	69.5	69.5
85°	263.1	253.2	124.1	94.3	74.5	59.6	59.6	54.6	49.6	44.7	44.7
87.5°	129.1	124.1	69.5	44.7	39.7	29.8	29.8	24.8	19.9	19.9	19.9
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)