

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: P671389

Luminaire Tested: **CCP-SA-2E-735-U-SL3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671389  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-735-U-SL3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL3 distribution lens  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

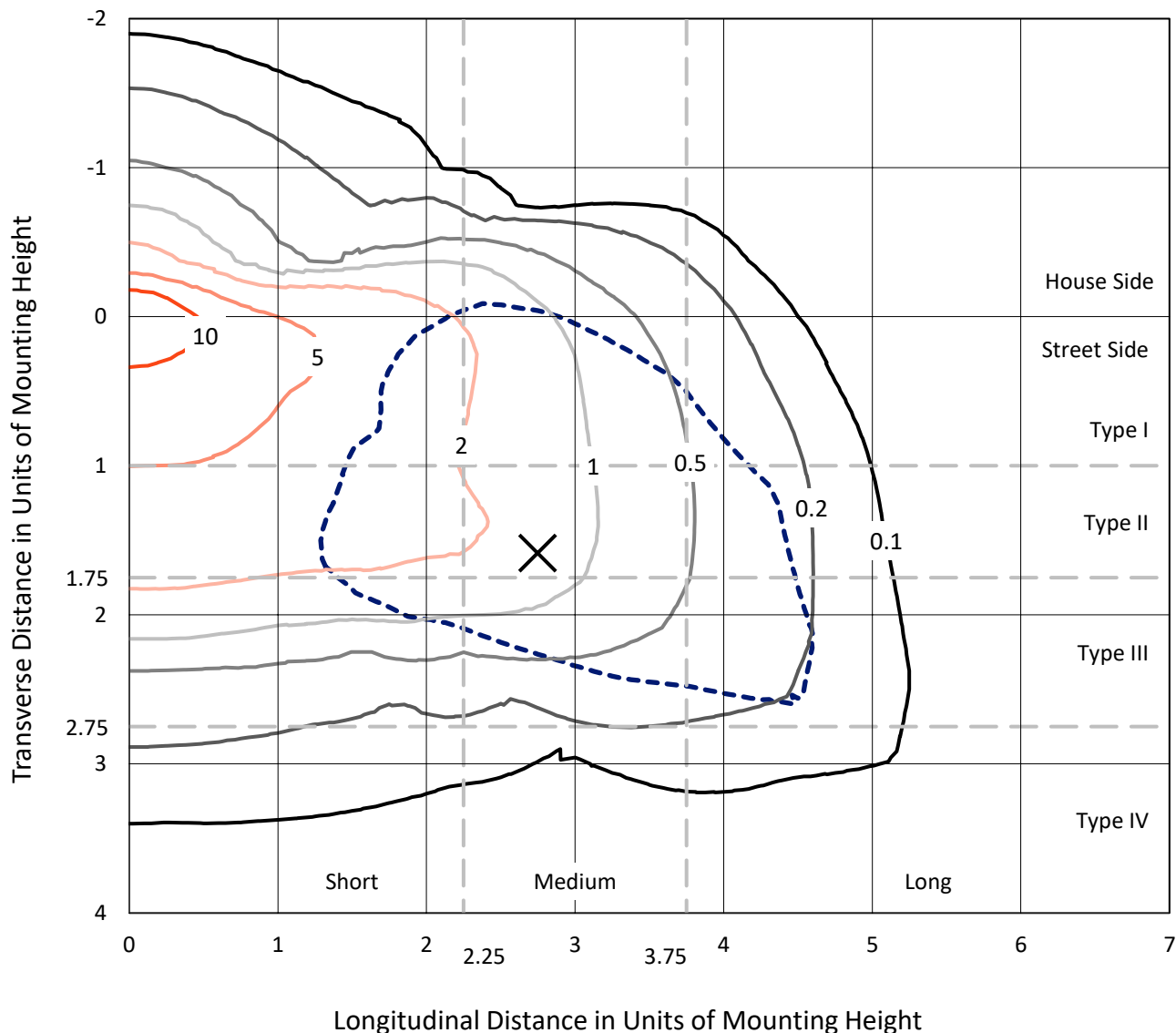
Lumens per Lamp: N/A  
Luminaire Lumens: 13333.9 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

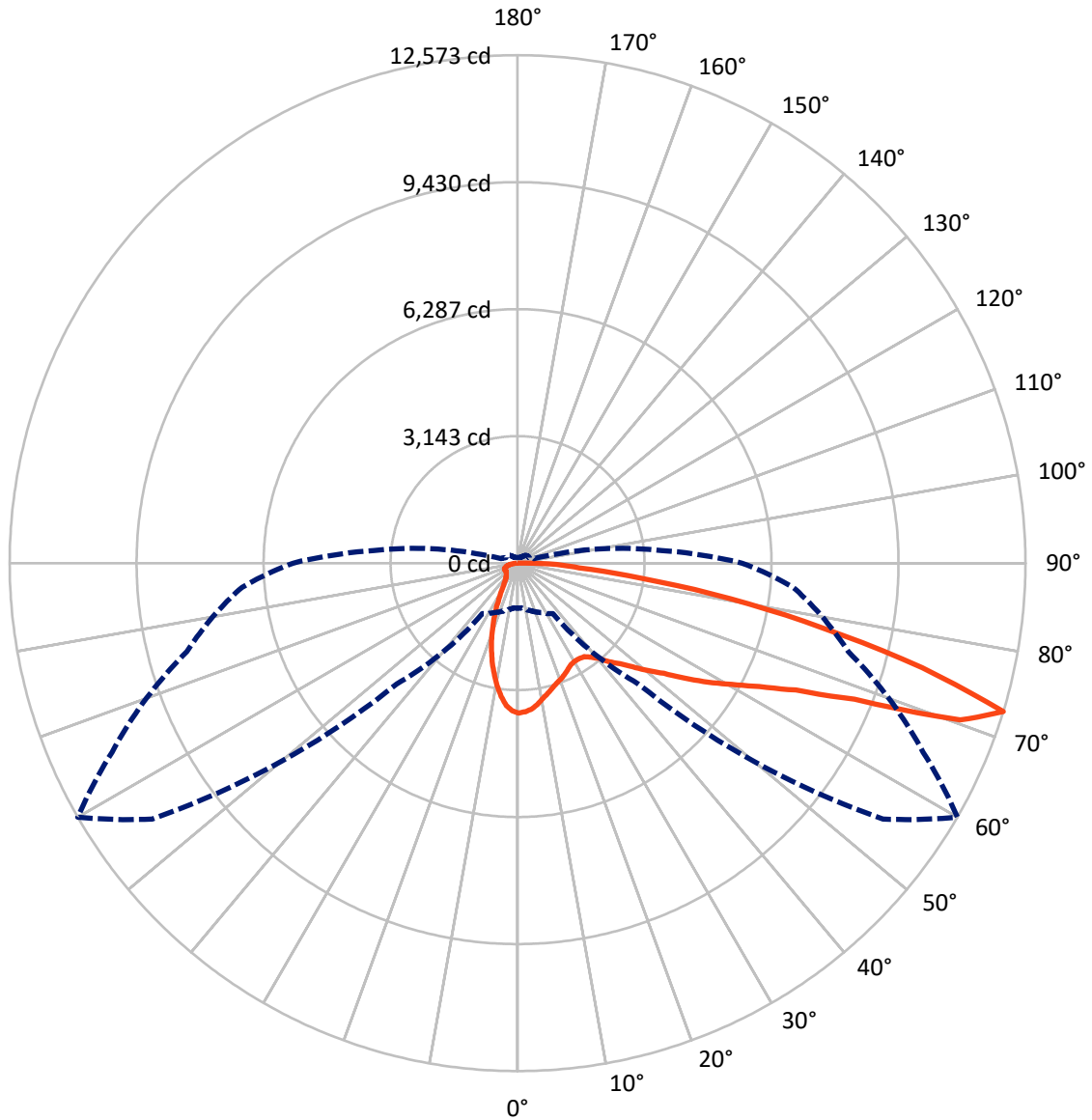
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 16.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2290.5	0.0	2290.5
	% Fixture	17.2	0.0	17.2
<b>Street Side</b>	Lumens	11043.3	0.0	11043.3
	% Fixture	82.8	0.0	82.8
<b>Total</b>	Lumens	13333.9	0.0	13333.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.8	2.4
10°-20°	729.8	5.5
20°-30°	933.9	7.0
30°-40°	1194.8	9.0
40°-50°	1638.6	12.3
50°-60°	2370.2	17.8
60°-70°	3251.4	24.4
70°-80°	2439.9	18.3
80°-90°	453.5	3.4
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°	13333.9	100.0
0°-180°	13333.9	100.0



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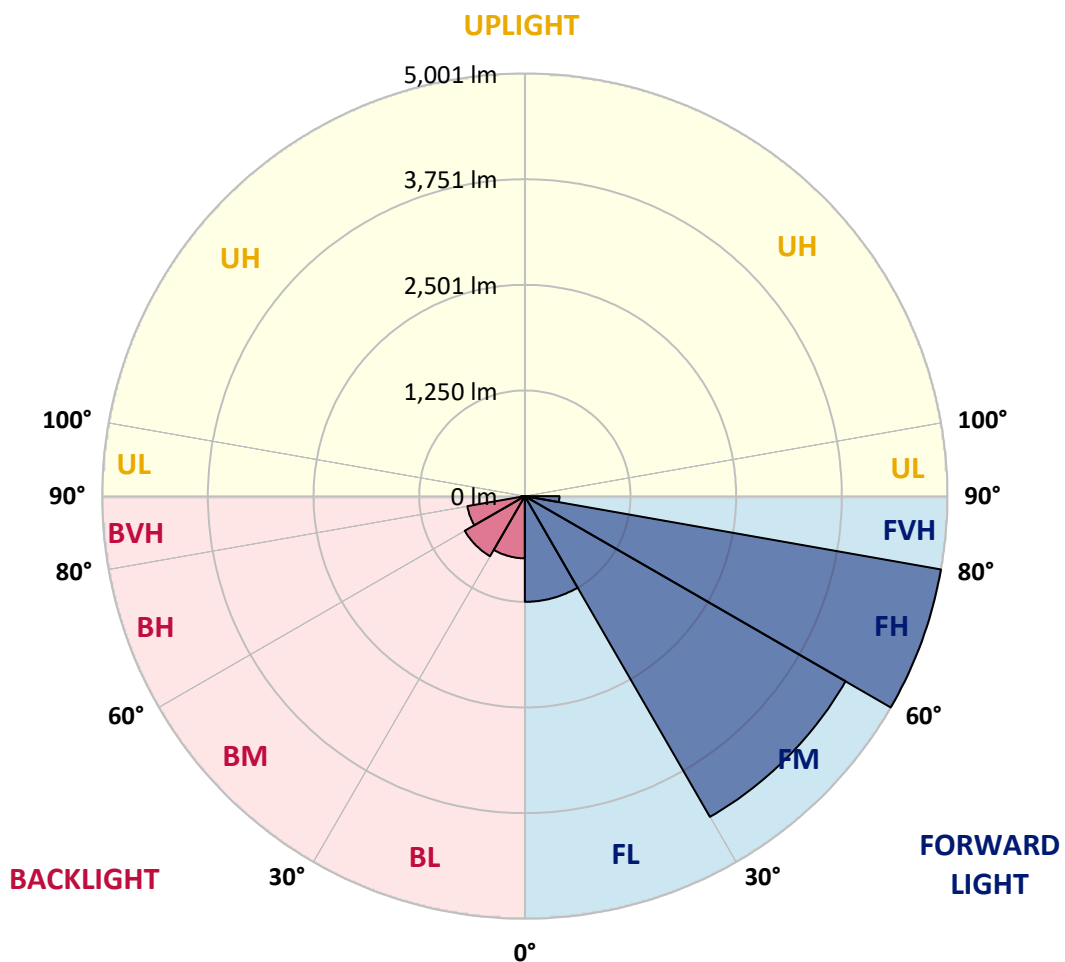
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1250.2	9.4			
FM (30°-60°)	4382.7	32.9			
FH (60°-80°)	5001.0	37.5			G3/7500
FVH (80°-90°)	409.3	3.1			G3/500
BL (0°-30°)	735.3	5.5	B2/1000		
BM (30°-60°)	820.8	6.2	B1/1000		
BH (60°-80°)	690.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	44.2	0.3			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8
2.5°	3633.4	3668.2	3678.1	3678.1	3707.9	3673.1	3722.8	3683.0	3693.0	3707.9	3697.9
5°	3459.7	3519.2	3484.5	3549.0	3524.2	3568.9	3628.4	3628.4	3613.6	3643.3	3618.5
7.5°	3290.9	3271.1	3330.6	3330.6	3370.3	3429.9	3479.5	3529.2	3534.1	3544.1	3539.1
10°	3062.6	3087.4	3117.2	3156.9	3206.5	3266.1	3370.3	3410.0	3420.0	3479.5	3464.6
12.5°	2874.0	2908.7	2928.6	3008.0	3052.7	3137.0	3256.2	3310.8	3315.7	3400.1	3400.1
15°	2735.0	2754.8	2799.5	2829.3	2928.6	3047.7	3161.9	3211.5	3266.1	3355.4	3330.6
17.5°	2640.7	2665.5	2685.3	2725.1	2819.4	2918.6	3097.3	3127.1	3191.6	3320.7	3290.9
20°	2586.1	2591.0	2620.8	2645.6	2730.0	2824.3	2983.2	3062.6	3147.0	3261.1	3231.4
22.5°	2596.0	2576.1	2571.2	2605.9	2620.8	2710.2	2903.7	2988.1	3107.3	3241.3	3191.6
25°	2615.9	2620.8	2610.9	2581.1	2586.1	2665.5	2794.5	2903.7	3037.8	3236.3	3137.0
27.5°	2665.5	2690.3	2650.6	2620.8	2591.0	2620.8	2754.8	2834.3	2983.2	3261.1	3132.1
30°	2715.1	2739.9	2730.0	2685.3	2625.8	2615.9	2710.2	2809.4	2953.4	3281.0	3132.1
32.5°	2789.6	2824.3	2789.6	2804.5	2735.0	2690.3	2725.1	2814.4	2983.2	3350.5	3137.0
35°	2874.0	2903.7	2913.7	2878.9	2864.0	2779.7	2799.5	2844.2	3012.9	3429.9	3186.7
37.5°	2968.3	3003.0	3032.8	3037.8	2988.1	2938.5	2928.6	2953.4	3087.4	3568.9	3241.3
40°	3032.8	3052.7	3112.2	3161.9	3176.7	3107.3	3102.3	3102.3	3221.4	3693.0	3340.6
42.5°	3142.0	3132.1	3216.5	3305.8	3330.6	3290.9	3300.8	3340.6	3410.0	3871.7	3499.4
45°	3196.6	3186.7	3286.0	3434.9	3549.0	3529.2	3539.1	3554.0	3618.5	4154.6	3767.4
47.5°	3271.1	3281.0	3424.9	3593.7	3712.8	3782.3	3836.9	3832.0	3881.6	4442.5	4065.2
50°	3345.5	3365.4	3539.1	3717.8	3926.3	4045.4	4124.8	4179.4	4229.0	4745.3	4407.7
52.5°	3489.5	3509.3	3702.9	3896.5	4164.5	4338.2	4536.8	4531.8	4536.8	5048.1	4750.2
55°	3697.9	3702.9	3817.1	4040.4	4402.8	4720.5	4993.5	5023.2	4938.9	5425.3	5142.4
57.5°	3936.2	3956.0	4055.3	4224.1	4591.4	5087.8	5504.7	5564.3	5335.9	5733.0	5499.7
60°	4159.6	4174.4	4328.3	4521.9	4919.0	5549.4	6020.9	6090.4	5842.2	6110.3	5872.0
62.5°	3906.4	3980.9	4253.9	4695.6	5494.8	6249.3	6676.1	6720.8	6333.6	6492.5	6269.1
65°	3127.1	3176.7	3568.9	4283.6	5534.5	7520.0	7688.7	7569.6	7008.7	6983.9	6869.7
67.5°	1742.2	1782.0	2050.0	2799.5	4660.9	7996.5	9867.8	8994.2	8056.0	7723.5	7683.8
70°	1374.9	1384.9	1419.6	1573.5	2586.1	7048.4	11585.2	11624.9	9768.5	8741.0	7857.5
72.5°	1116.8	1111.9	1216.1	1350.1	1528.8	4229.0	11044.2	12573.0	11078.9	8473.0	6844.9
75°	853.8	868.6	1002.7	1196.2	1399.8	1990.4	8239.7	10344.3	10379.0	7897.2	5772.7
77.5°	650.2	655.2	804.1	1057.3	1370.0	1404.7	5375.7	7708.6	7743.3	6115.2	3181.7
80°	486.4	486.4	610.5	893.5	1335.2	1295.5	3310.8	5345.9	4839.6	2149.3	694.9
82.5°	278.0	297.8	407.0	680.0	1211.1	1245.9	1866.3	3062.6	2045.0	585.7	322.6
85°	148.9	153.9	248.2	456.7	997.7	1191.3	1424.6	1523.8	814.0	312.7	148.9
87.5°	54.6	54.6	114.2	233.3	630.4	883.5	1131.7	972.9	466.6	143.9	74.5
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°	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8	3712.8
2.5°	3707.9	3688.0	3673.1	3688.0	3633.4	3608.6	3638.4	3623.5	3593.7	3578.8	3568.9
5°	3633.4	3608.6	3583.8	3568.9	3509.3	3449.8	3420.0	3360.4	3310.8	3325.7	3295.9
7.5°	3554.0	3529.2	3454.7	3385.2	3266.1	3147.0	3092.4	3008.0	2978.2	2953.4	2938.5
10°	3454.7	3410.0	3295.9	3156.9	2983.2	2849.1	2710.2	2610.9	2506.7	2462.0	2476.9
12.5°	3330.6	3305.8	3127.1	2913.7	2670.5	2447.1	2283.3	2124.5	1985.5	1911.0	1891.2
15°	3276.0	3201.6	2943.5	2660.5	2352.8	2074.8	1831.6	1553.6	1389.8	1310.4	1310.4
17.5°	3216.5	3077.5	2769.7	2382.6	2030.1	1672.8	1330.3	1077.1	948.1	903.4	903.4
20°	3122.1	2968.3	2566.2	2119.5	1692.6	1260.8	953.0	814.0	774.3	744.6	749.5
22.5°	3052.7	2864.0	2377.6	1861.4	1340.2	938.1	749.5	704.8	690.0	680.0	685.0
25°	2973.2	2739.9	2179.1	1583.4	1052.3	739.6	650.2	630.4	640.3	645.3	645.3
27.5°	2908.7	2635.7	1975.5	1285.6	794.2	625.4	585.7	580.7	600.6	610.5	615.5
30°	2864.0	2541.4	1777.0	1012.6	635.3	555.9	536.1	536.1	560.9	570.8	575.8
32.5°	2819.4	2462.0	1563.6	774.3	541.0	496.4	491.4	496.4	511.3	511.3	516.2
35°	2834.3	2387.5	1360.0	625.4	486.4	456.7	456.7	456.7	461.6	466.6	466.6
37.5°	2864.0	2367.7	1141.6	526.1	446.7	426.9	426.9	421.9	426.9	421.9	426.9
40°	2893.8	2337.9	943.1	466.6	421.9	407.0	402.1	392.1	387.2	387.2	392.1
42.5°	3017.9	2377.6	774.3	426.9	402.1	392.1	377.2	367.3	362.3	362.3	362.3
45°	3176.7	2452.1	640.3	407.0	387.2	362.3	352.4	347.5	337.5	342.5	347.5
47.5°	3415.0	2566.2	560.9	392.1	372.3	342.5	332.6	322.6	322.6	332.6	332.6
50°	3727.7	2754.8	511.3	377.2	357.4	327.6	312.7	307.7	307.7	322.6	322.6
52.5°	4065.2	2973.2	491.4	372.3	342.5	312.7	297.8	292.9	292.9	312.7	312.7
55°	4402.8	3241.3	506.3	372.3	332.6	297.8	282.9	273.0	278.0	292.9	292.9
57.5°	4775.1	3529.2	580.7	372.3	322.6	292.9	273.0	258.1	263.1	268.0	268.0
60°	5182.1	3906.4	709.8	372.3	317.7	282.9	258.1	238.3	238.3	243.2	243.2
62.5°	5594.1	4278.7	893.5	377.2	322.6	278.0	238.3	218.4	213.4	218.4	218.4
65°	6135.1	4874.3	1077.1	377.2	337.5	268.0	223.4	198.5	193.6	193.6	198.5
67.5°	6894.5	5301.2	833.9	362.3	347.5	268.0	208.5	183.7	173.7	173.7	173.7
70°	6492.5	4472.3	531.1	337.5	332.6	278.0	198.5	168.8	158.8	153.9	153.9
72.5°	5559.3	3578.8	426.9	317.7	307.7	273.0	188.6	158.8	143.9	139.0	139.0
75°	4457.4	2824.3	372.3	287.9	268.0	228.3	173.7	143.9	134.0	124.1	124.1
77.5°	2184.0	1181.4	282.9	253.1	228.3	173.7	153.9	134.0	119.1	109.2	109.2
80°	546.0	412.0	208.5	198.5	168.8	134.0	124.1	114.2	104.2	94.3	94.3
82.5°	292.9	243.2	148.9	134.0	114.2	94.3	94.3	89.3	84.4	74.5	69.5
85°	148.9	143.9	99.3	89.3	74.5	59.6	64.5	64.5	59.6	44.7	44.7
87.5°	79.4	79.4	49.6	39.7	34.7	29.8	29.8	29.8	24.8	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)