

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: P672173

Luminaire Tested: **CCP-SA-2C-835-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672173  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-835-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2R distribution lens  
Light Source: (32) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

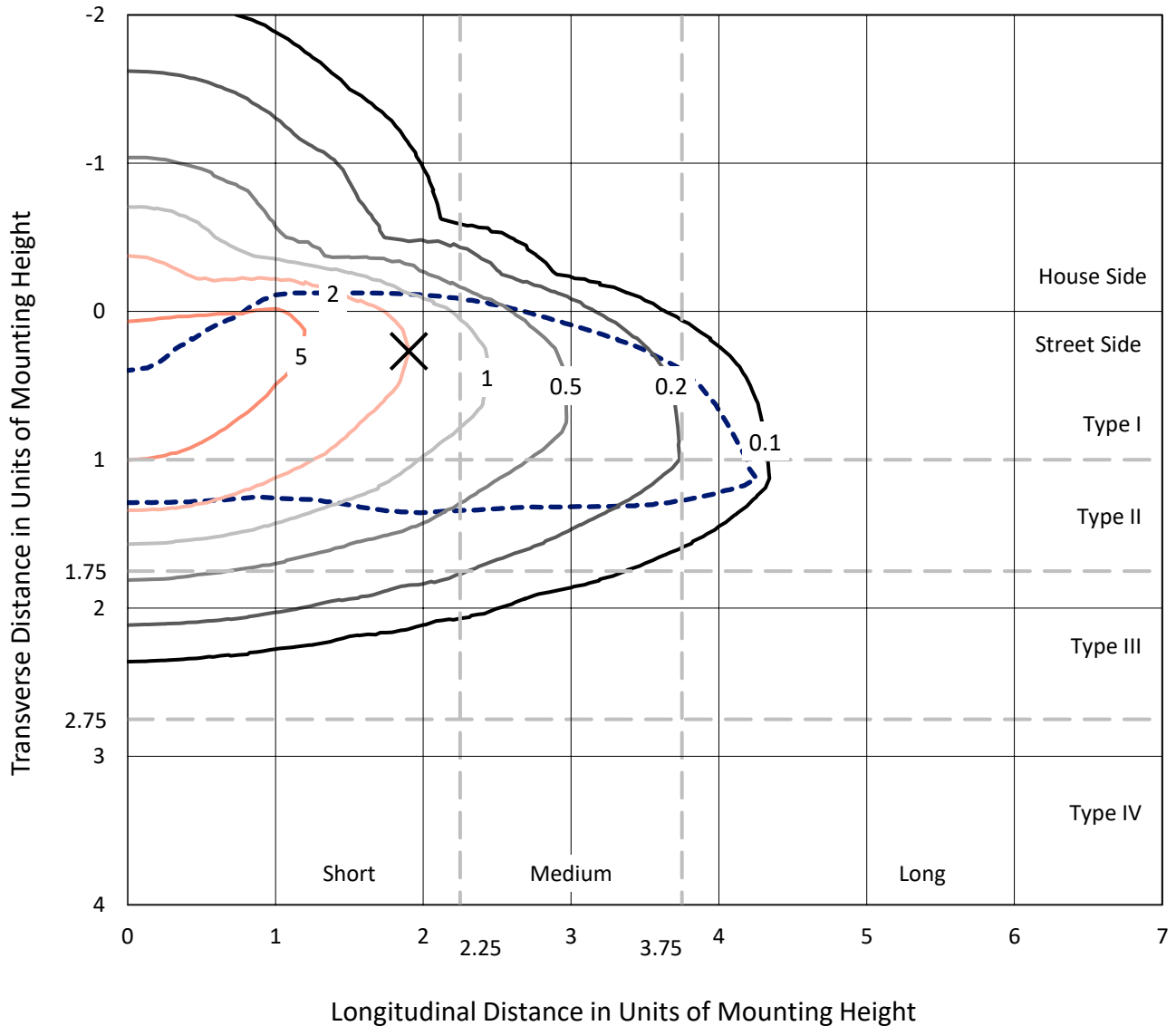
Lumens per Lamp: N/A  
Luminaire Lumens: 7567.7 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1  
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

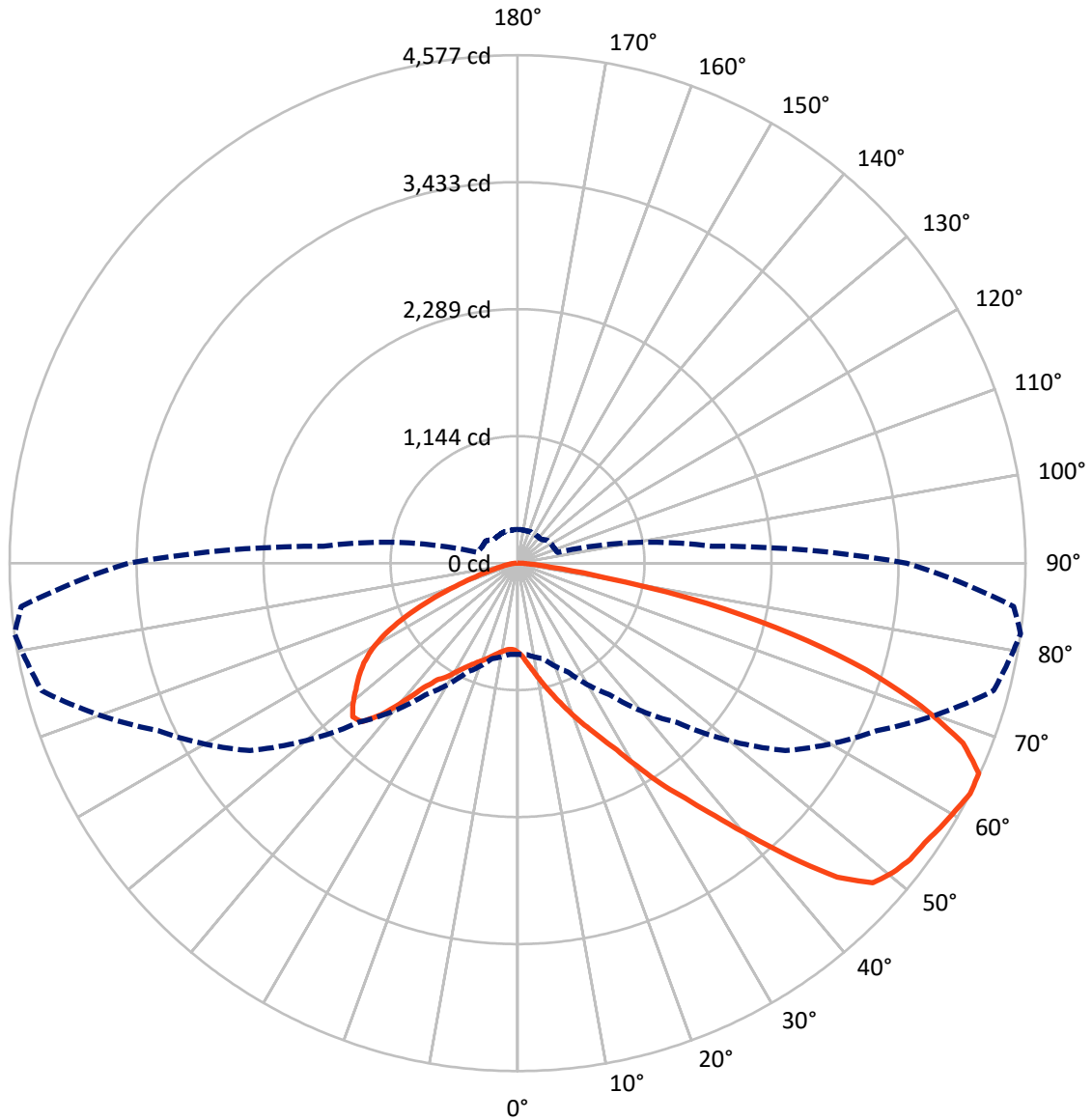
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1425.7	0.0	1425.7
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	6141.9	0.0	6141.9
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	7567.7	0.0	7567.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.0	1.2
10°-20°	335.9	4.4
20°-30°	695.6	9.2
30°-40°	1180.6	15.6
40°-50°	1607.8	21.2
50°-60°	1627.4	21.5
60°-70°	1282.6	16.9
70°-80°	631.8	8.3
80°-90°	116.9	1.5
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°	7567.7	100.0
0°-180°	7567.7	100.0



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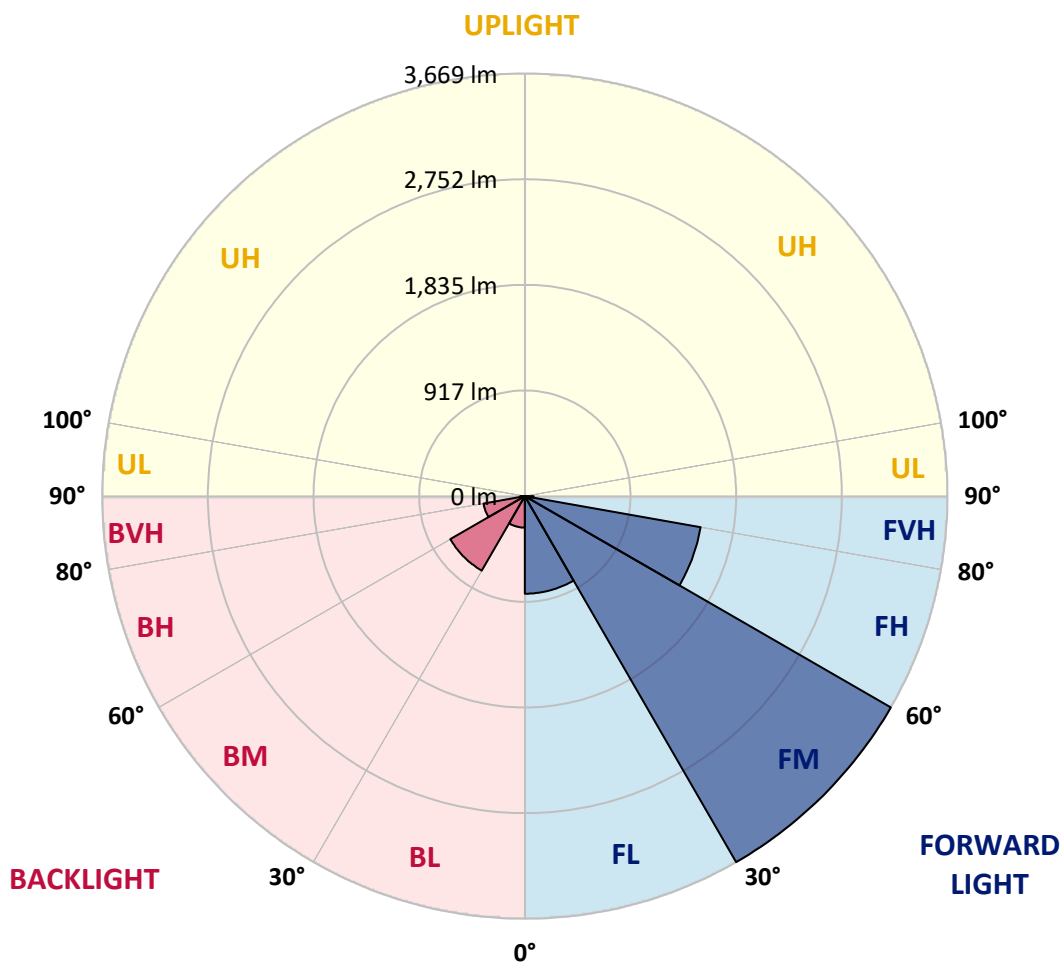
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	847.0	11.2			
FM (30°-60°)	3669.0	48.5			
FH (60°-80°)	1550.0	20.5			G1/1800
FVH (80°-90°)	75.9	1.0			G1/100
BL (0°-30°)	273.6	3.6	B1/500		
BM (30°-60°)	746.8	9.9	B1/1000		
BH (60°-80°)	364.4	4.8	B1/500		G1/500
BVH (80°-90°)	40.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8
2.5°	1071.8	1055.4	1046.7	1036.9	1009.6	992.2	959.5	921.4	877.2	839.6	832.6
5°	1297.9	1281.5	1283.7	1259.7	1220.0	1182.9	1121.9	1050.0	966.0	901.8	879.4
7.5°	1457.5	1439.5	1443.9	1434.1	1401.9	1361.1	1283.7	1191.1	1068.5	973.1	937.2
10°	1564.3	1566.5	1569.8	1565.9	1545.2	1516.4	1439.5	1337.1	1184.5	1057.6	1008.5
12.5°	1685.3	1691.3	1690.2	1691.8	1680.9	1658.0	1582.8	1486.4	1308.2	1148.6	1084.8
15°	1839.5	1833.5	1838.4	1845.5	1833.5	1808.4	1741.9	1627.5	1437.9	1249.9	1170.9
17.5°	2008.4	1995.8	2008.9	2001.8	1993.1	1976.8	1903.8	1781.7	1571.9	1359.4	1266.8
20°	2154.4	2146.2	2153.3	2154.4	2156.0	2152.8	2077.6	1947.9	1712.5	1478.8	1370.3
22.5°	2318.4	2314.6	2313.5	2314.0	2315.7	2319.5	2268.3	2129.9	1868.3	1604.1	1482.0
25°	2547.8	2544.0	2518.9	2491.1	2474.8	2486.8	2460.1	2336.4	2040.5	1744.7	1604.6
27.5°	2805.0	2799.0	2765.7	2695.5	2643.1	2651.9	2649.1	2564.1	2238.9	1905.9	1751.7
30°	3072.0	3057.2	3011.5	2912.9	2830.6	2815.3	2823.0	2794.6	2488.4	2120.1	1956.6
32.5°	3310.1	3282.8	3222.3	3122.6	3024.6	2980.4	2981.5	2994.0	2759.8	2369.6	2171.3
35°	3455.5	3437.6	3392.3	3291.5	3182.0	3152.6	3144.4	3207.1	3008.8	2600.6	2363.6
37.5°	3534.0	3516.6	3468.1	3386.9	3304.1	3292.1	3307.3	3404.3	3291.5	2888.9	2625.2
40°	3519.8	3501.3	3469.7	3413.0	3358.6	3367.8	3435.4	3585.2	3600.5	3233.8	2997.9
42.5°	3403.2	3383.6	3380.9	3377.1	3351.5	3392.3	3514.4	3717.6	3884.4	3632.1	3449.0
45°	3197.3	3185.3	3199.5	3264.8	3297.0	3376.0	3551.4	3781.9	4133.9	4036.9	3875.6
47.5°	2936.3	2929.2	2961.4	3064.9	3168.9	3325.9	3576.0	3799.4	4305.5	4305.5	4155.2
50°	2644.2	2641.5	2684.0	2834.4	2997.3	3233.8	3573.2	3815.7	4380.7	4384.5	4253.8
52.5°	2236.7	2250.8	2364.2	2562.5	2783.7	3089.4	3535.1	3861.5	4423.2	4431.9	4319.7
55°	1767.0	1780.6	1951.7	2218.7	2502.0	2913.9	3421.2	3847.8	4431.4	4451.0	4357.3
57.5°	1410.7	1413.4	1520.2	1837.3	2188.2	2689.5	3289.9	3757.4	4407.4	4493.0	4415.1
60°	1103.9	1112.6	1184.0	1435.2	1824.2	2400.1	3143.3	3668.0	4421.0	4532.7	4467.4
62.5°	822.2	824.4	890.9	1085.4	1449.3	2031.3	2944.5	3572.7	4440.1	4577.4	4488.6
65°	535.6	535.1	599.4	774.8	1082.7	1633.0	2632.3	3423.4	4441.8	4567.6	4391.1
67.5°	340.5	342.7	370.5	481.1	724.7	1232.5	2207.3	3146.1	4364.4	4330.1	4035.8
70°	276.2	276.8	285.5	314.4	441.3	842.4	1659.1	2712.3	4119.7	3856.6	3507.9
72.5°	246.3	246.8	251.2	254.5	294.2	506.2	1088.6	2202.4	3684.9	3287.2	2910.1
75°	221.2	221.2	223.9	220.7	241.4	317.7	617.9	1655.9	3034.9	2559.8	2198.5
77.5°	194.0	193.4	193.4	191.8	208.7	232.1	309.5	1155.7	2186.0	1745.8	1425.9
80°	164.5	163.5	165.1	164.0	180.4	176.0	180.4	713.2	1185.1	800.4	607.0
82.5°	128.0	128.0	132.9	134.0	148.7	127.5	127.0	338.4	450.1	299.1	223.9
85°	67.0	75.2	101.3	105.7	112.2	80.1	93.2	158.0	180.4	114.4	81.7
87.5°	20.2	21.2	62.1	69.7	69.2	40.3	57.2	76.3	84.5	50.7	33.2
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°	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8
2.5°	814.6	795.5	755.2	719.2	692.0	665.8	647.8	638.6	626.6	628.2	624.4
5°	839.6	800.4	729.0	671.3	632.6	603.2	585.2	575.9	567.2	562.8	566.1
7.5°	877.2	816.2	716.5	646.8	606.4	581.4	571.6	568.8	566.7	565.0	567.8
10°	925.7	844.0	714.3	638.0	601.0	585.7	581.9	580.3	578.1	575.9	577.6
12.5°	975.3	874.5	721.9	640.2	609.7	598.3	593.4	591.2	585.7	583.0	583.6
15°	1037.4	911.6	732.3	648.9	621.1	606.4	599.9	593.9	585.2	581.4	583.0
17.5°	1103.9	955.7	746.5	657.1	625.5	607.5	594.4	585.7	577.0	571.6	572.1
20°	1179.1	999.3	759.0	659.8	623.3	598.3	582.5	572.1	560.7	554.7	553.0
22.5°	1257.0	1045.1	768.8	657.7	611.3	582.5	564.5	552.0	538.3	529.1	529.6
25°	1351.8	1107.2	777.0	650.0	595.5	561.8	541.6	525.8	511.6	502.9	503.5
27.5°	1465.7	1177.5	786.8	638.0	576.5	539.4	516.0	500.2	486.6	478.4	477.3
30°	1617.7	1269.0	797.7	623.3	552.5	514.9	492.0	475.7	462.6	455.0	455.0
32.5°	1788.8	1380.7	805.3	605.9	525.8	488.7	468.0	455.0	445.2	434.8	433.7
35°	1937.5	1467.3	828.7	592.3	502.4	464.2	450.1	440.8	426.1	416.3	414.6
37.5°	2156.0	1619.9	897.9	588.5	474.0	445.2	442.4	425.0	408.1	389.6	387.9
40°	2508.0	1884.1	978.6	569.9	444.6	434.8	432.1	408.7	368.9	357.4	355.3
42.5°	2955.9	2202.4	987.3	516.0	423.9	426.1	417.9	372.1	354.7	346.0	343.8
45°	3360.2	2460.6	937.7	461.0	408.7	413.0	396.1	358.5	348.7	340.5	338.4
47.5°	3587.4	2540.2	844.0	419.5	397.2	401.6	361.2	352.0	342.2	334.0	331.8
50°	3651.2	2471.0	735.0	395.6	388.5	390.1	352.0	346.5	337.8	331.3	328.0
52.5°	3663.7	2367.4	634.2	381.4	382.0	367.2	343.8	339.5	334.0	323.7	319.8
55°	3669.1	2274.3	543.8	372.7	377.6	337.8	335.1	331.8	327.5	316.6	314.4
57.5°	3683.3	2154.9	472.9	366.2	372.1	324.2	325.3	323.1	317.7	312.8	311.7
60°	3643.0	1989.9	418.5	359.6	364.5	312.8	313.8	314.9	310.0	308.9	308.4
62.5°	3507.9	1755.6	372.1	350.9	348.7	301.3	301.3	305.7	301.3	302.9	302.9
65°	3229.4	1457.0	330.7	334.5	324.2	288.8	288.2	295.9	289.3	296.4	297.0
67.5°	2754.8	1102.8	288.2	308.9	298.6	275.7	277.9	283.9	275.2	289.9	289.9
70°	2180.6	750.3	244.1	273.0	272.4	261.0	268.1	267.5	257.7	279.5	275.7
72.5°	1624.2	481.7	198.9	228.8	238.1	245.2	258.3	246.8	237.6	250.1	238.7
75°	1135.0	301.9	156.9	180.9	198.3	227.8	246.3	223.4	209.8	206.0	202.7
77.5°	679.4	192.9	123.7	137.9	154.7	207.0	231.0	198.9	178.2	176.0	169.5
80°	313.3	125.9	94.3	103.0	110.1	177.6	210.3	170.0	144.9	142.8	135.1
82.5°	141.7	82.8	70.3	73.6	74.1	141.1	177.6	134.6	110.6	179.3	155.3
85°	65.9	53.4	45.8	43.6	44.1	94.3	129.1	92.6	125.9	98.1	74.6
87.5°	28.3	27.2	23.4	18.5	16.9	20.2	49.6	38.7	55.0	21.8	14.7
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)