

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: P674765

Luminaire Tested: **CCP-SA-2C-835-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674765  
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-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield  
Light Source: (32) 3500K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

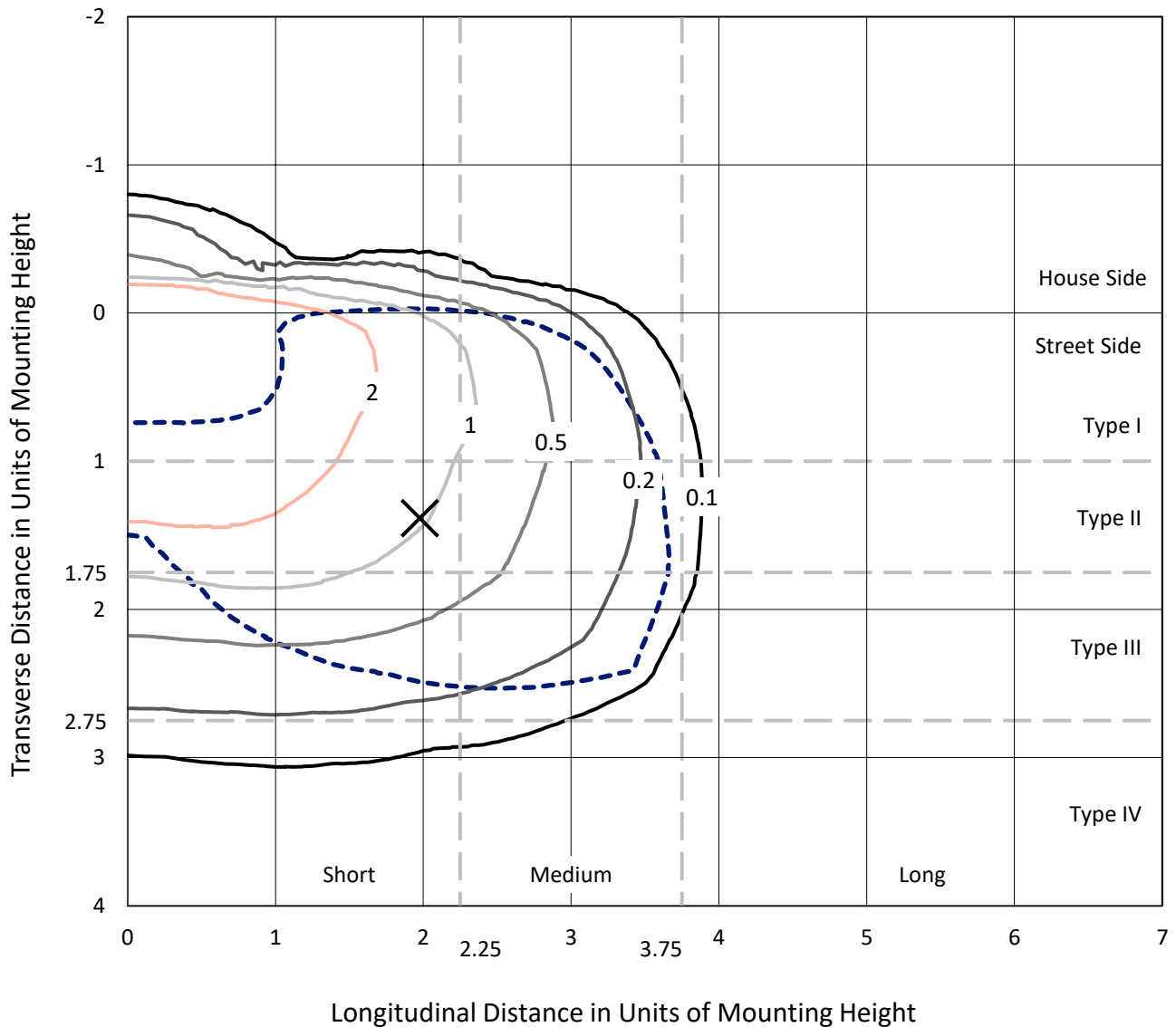
Lumens per Lamp: N/A  
Luminaire Lumens: 5908.7 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

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

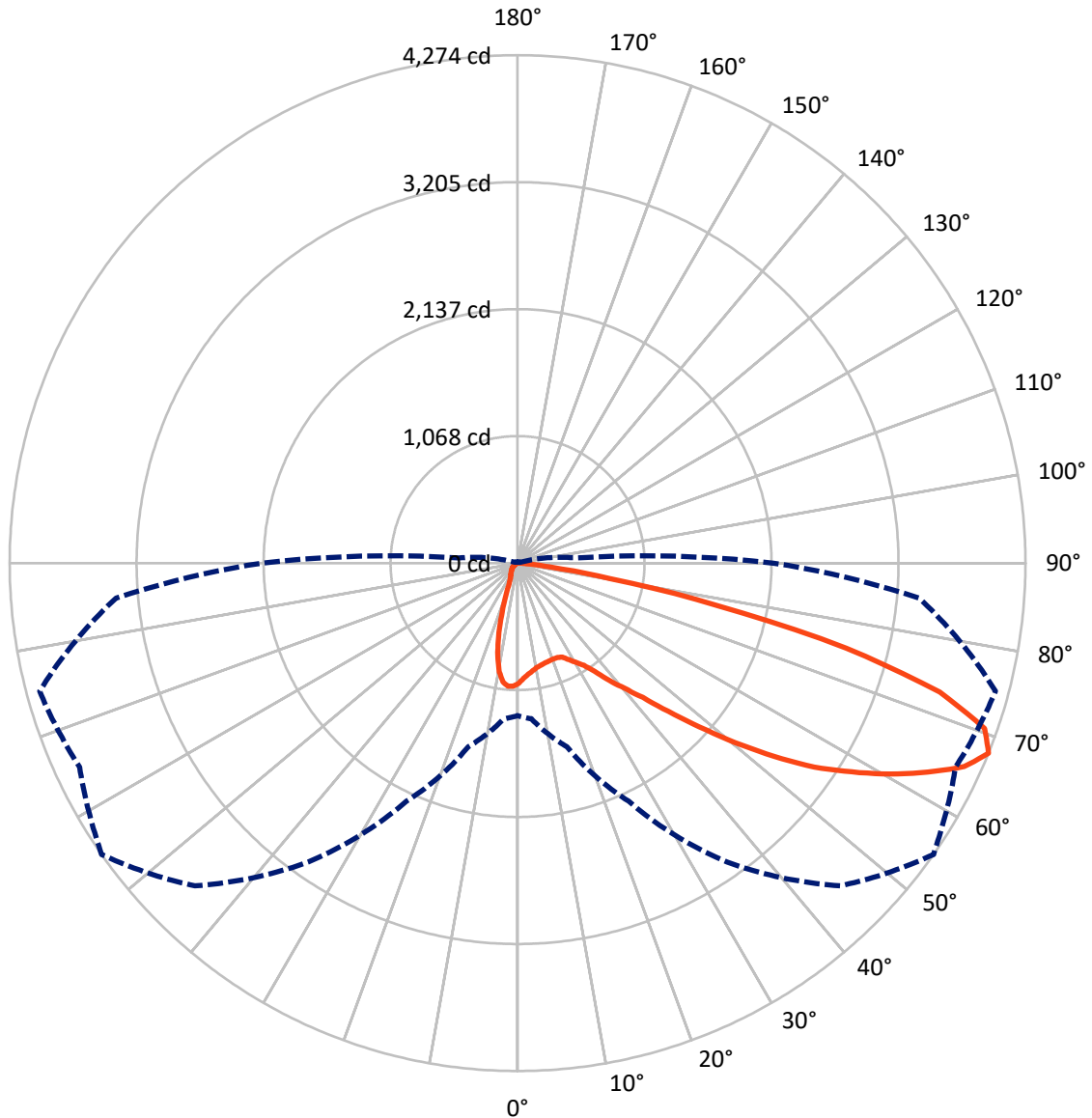
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	530.8	0.0	530.8
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	5377.9	0.0	5377.9
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	5908.7	0.0	5908.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.9	1.5
10°-20°	202.3	3.4
20°-30°	324.6	5.5
30°-40°	563.0	9.5
40°-50°	938.8	15.9
50°-60°	1372.8	23.2
60°-70°	1600.7	27.1
70°-80°	776.8	13.1
80°-90°	40.6	0.7
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°	5908.7	100.0
0°-180°	5908.7	100.0



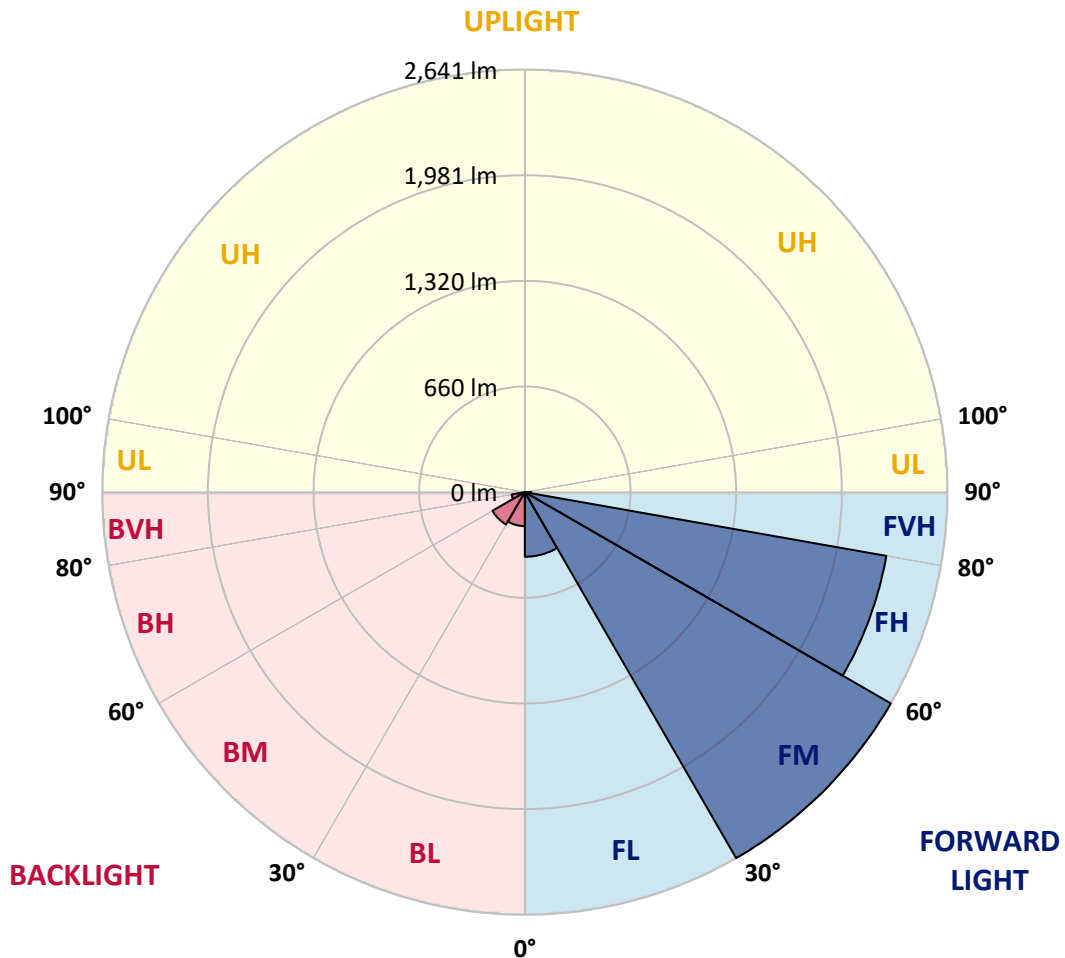
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	403.6	6.8			
FM (30°-60°)	2641.0	44.7			
FH (60°-80°)	2293.8	38.8			G2/5000
FVH (80°-90°)	39.4	0.7			G1/100
BL (0°-30°)	212.2	3.6	B1/500		
BM (30°-60°)	233.7	4.0	B1/1000		
BH (60°-80°)	83.7	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6
2.5°	934.7	940.7	948.3	951.1	960.3	973.4	969.6	966.9	981.6	1001.7	1008.2
5°	876.5	877.0	889.0	897.7	913.5	926.0	939.6	938.5	965.2	999.5	1021.3
7.5°	819.3	820.4	832.9	846.5	869.4	893.9	914.6	913.5	956.5	1002.2	1043.6
10°	744.2	749.6	764.9	788.8	824.8	863.4	892.3	895.0	946.7	1012.6	1074.1
12.5°	683.8	686.5	703.4	734.4	776.9	827.5	881.4	879.7	948.9	1031.6	1113.8
15°	658.2	656.5	666.9	689.8	738.2	801.9	870.5	874.3	956.5	1053.4	1155.2
17.5°	664.2	662.5	668.0	676.1	710.4	780.7	864.5	871.0	968.5	1076.3	1193.9
20°	730.6	719.2	709.4	700.6	705.5	763.2	860.7	867.8	975.6	1093.7	1234.7
22.5°	858.5	844.4	818.2	769.8	737.7	764.3	861.8	871.0	991.4	1122.0	1284.2
25°	1067.0	1053.4	997.3	898.3	813.3	803.5	876.5	886.3	1027.8	1165.0	1337.0
27.5°	1343.0	1312.5	1244.5	1102.4	938.5	866.1	920.6	931.5	1079.5	1198.2	1373.0
30°	1572.2	1565.1	1499.8	1325.6	1111.1	958.1	970.1	976.1	1103.0	1218.4	1408.9
32.5°	1810.1	1795.4	1735.5	1566.2	1311.5	1089.3	1025.6	1028.4	1133.4	1248.3	1461.2
35°	2017.0	2003.4	1953.3	1788.9	1545.5	1265.7	1117.7	1111.7	1196.6	1314.2	1531.9
37.5°	2208.6	2207.0	2162.9	1995.2	1755.7	1448.6	1253.2	1248.3	1295.1	1386.6	1627.8
40°	2395.9	2391.5	2354.0	2201.0	1962.6	1631.0	1382.2	1369.7	1379.0	1487.8	1754.1
42.5°	2510.8	2520.0	2533.1	2436.2	2208.1	1845.0	1545.5	1537.9	1536.3	1646.3	1920.1
45°	2572.8	2589.2	2665.9	2657.2	2468.3	2111.2	1778.0	1758.4	1751.9	1864.0	2110.1
47.5°	2633.3	2640.3	2766.1	2818.9	2717.6	2388.8	2058.9	2031.7	2005.0	2129.7	2337.1
50°	2637.1	2648.5	2804.2	2932.7	2926.7	2662.1	2374.1	2350.2	2319.7	2453.1	2558.7
52.5°	2583.7	2606.6	2799.3	3004.5	3056.3	2903.3	2701.3	2681.7	2656.7	2756.3	2745.4
55°	2215.2	2253.8	2703.5	3011.1	3147.2	3110.2	3030.1	3002.9	2978.4	3049.2	2928.3
57.5°	2039.9	2061.6	2412.8	3006.2	3263.1	3301.8	3315.4	3302.9	3268.6	3356.8	3119.4
60°	1934.8	1966.4	2274.0	2951.7	3388.3	3518.5	3603.9	3578.9	3537.0	3658.4	3324.1
62.5°	1809.0	1831.9	2135.7	2794.9	3462.9	3738.9	3874.5	3851.6	3765.1	3936.6	3489.6
65°	1577.1	1611.4	1915.7	2548.3	3362.8	3900.6	4129.3	4121.6	3971.4	4146.7	3534.8
67.5°	1283.7	1314.7	1598.4	2210.3	3069.9	3840.2	4273.5	4249.6	4065.0	4162.5	3391.6
70°	963.6	980.5	1194.4	1688.7	2515.1	3517.4	4169.0	4164.1	3922.9	3928.4	2952.3
72.5°	517.2	564.0	794.3	1130.2	1768.8	2848.8	3715.5	3695.9	3499.9	3217.4	2123.2
75°	180.7	194.4	423.0	634.8	960.9	1897.8	2857.0	2811.3	2617.5	2092.7	1156.8
77.5°	111.1	121.9	187.8	324.5	374.0	823.7	1716.5	1657.2	1531.9	904.8	395.2
80°	76.8	86.6	125.8	169.9	127.4	266.8	789.9	767.6	590.7	215.6	90.9
82.5°	43.0	51.7	95.3	83.3	51.2	69.1	273.8	253.7	157.3	58.3	30.5
85°	25.0	29.9	67.0	58.8	26.1	24.5	71.3	63.7	40.8	21.8	14.7
87.5°	13.1	16.9	49.0	39.2	15.8	8.7	16.3	15.8	10.3	7.6	9.8
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°	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6	1012.6
2.5°	1020.2	1017.5	1031.6	1036.5	1035.4	1033.3	1038.7	1031.6	1031.1	1029.5	1027.8
5°	1038.7	1043.1	1054.5	1054.5	1039.3	1014.2	999.0	978.3	960.9	950.5	948.9
7.5°	1066.5	1075.2	1082.8	1059.4	1007.1	945.1	879.2	827.5	782.3	758.9	756.7
10°	1105.7	1113.8	1107.9	1040.9	928.7	800.3	693.0	585.2	531.3	501.9	501.9
12.5°	1152.5	1159.0	1122.6	994.6	799.7	613.5	470.4	357.1	303.2	268.4	266.2
15°	1203.1	1204.8	1120.4	914.0	640.2	412.1	270.0	198.2	175.3	170.4	169.3
17.5°	1247.2	1240.7	1097.5	794.8	461.1	245.5	171.5	155.2	150.8	150.8	150.8
20°	1288.6	1266.8	1051.8	656.0	295.6	167.1	147.5	143.2	143.2	143.7	143.7
22.5°	1334.3	1291.3	986.5	501.9	190.0	143.2	138.3	136.1	135.6	137.2	136.6
25°	1388.2	1315.3	892.8	346.8	147.0	133.4	131.2	129.0	129.0	129.0	129.0
27.5°	1418.2	1312.0	786.1	218.8	128.5	123.6	121.4	119.2	117.6	117.0	117.6
30°	1444.3	1292.9	646.7	153.0	116.0	110.5	108.9	106.2	102.9	101.8	101.8
32.5°	1478.6	1277.2	500.8	123.0	105.1	99.1	94.2	89.8	84.4	82.2	81.7
35°	1516.7	1248.3	366.9	108.3	95.3	87.6	80.0	72.9	65.9	63.7	63.2
37.5°	1564.1	1222.2	248.8	100.2	87.1	77.8	67.5	57.7	51.2	50.1	50.1
40°	1628.3	1200.4	172.0	93.1	79.5	68.6	56.1	45.7	41.4	40.3	40.3
42.5°	1715.9	1182.4	130.1	87.1	72.9	59.3	45.2	37.6	34.3	33.2	33.2
45°	1819.4	1154.7	110.0	81.7	66.4	50.1	37.6	31.6	29.9	29.9	29.9
47.5°	1938.1	1119.8	100.2	76.2	59.3	40.8	31.6	28.9	28.3	28.3	28.9
50°	2057.8	1078.5	93.1	69.7	51.2	34.8	28.9	27.2	27.2	27.8	27.8
52.5°	2138.9	1013.7	86.0	62.6	43.0	30.5	27.2	26.7	26.1	26.1	26.1
55°	2217.9	957.1	76.2	55.0	35.9	28.3	26.1	25.6	25.6	25.0	25.0
57.5°	2300.1	912.4	63.7	45.7	30.5	26.7	25.0	25.0	24.0	23.4	23.4
60°	2395.4	873.2	49.0	35.9	26.7	25.0	23.4	22.9	21.8	20.7	20.7
62.5°	2423.1	790.5	37.0	28.9	22.9	21.8	21.2	20.1	17.4	15.2	15.8
65°	2350.7	660.4	29.4	22.9	18.5	18.5	16.9	14.2	11.4	9.8	9.8
67.5°	2150.9	493.2	24.0	18.0	14.7	14.2	12.0	10.3	7.1	6.0	6.0
70°	1772.6	326.1	19.6	14.2	12.0	9.8	8.2	7.6	5.4	4.4	4.4
72.5°	1242.3	176.9	16.3	11.4	8.7	6.5	5.4	4.9	3.8	3.3	2.7
75°	656.0	68.0	13.1	8.7	5.4	4.4	3.3	3.3	2.7	2.2	2.2
77.5°	224.8	28.9	9.3	4.9	3.8	2.7	2.2	1.6	2.2	1.6	1.6
80°	53.4	16.9	6.0	3.3	2.2	1.6	1.6	1.1	1.1	1.1	1.1
82.5°	23.4	9.8	3.8	2.2	2.2	1.6	1.1	0.5	0.5	0.5	0.5
85°	15.8	6.0	2.7	2.2	1.6	1.1	0.5	0.5	0.0	0.0	0.0
87.5°	12.5	3.8	2.2	2.2	1.6	1.1	0.5	0.0	0.0	0.0	0.0
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)