

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: P674672

Luminaire Tested: **CCP-SA-1D-727-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674672  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1D-727-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

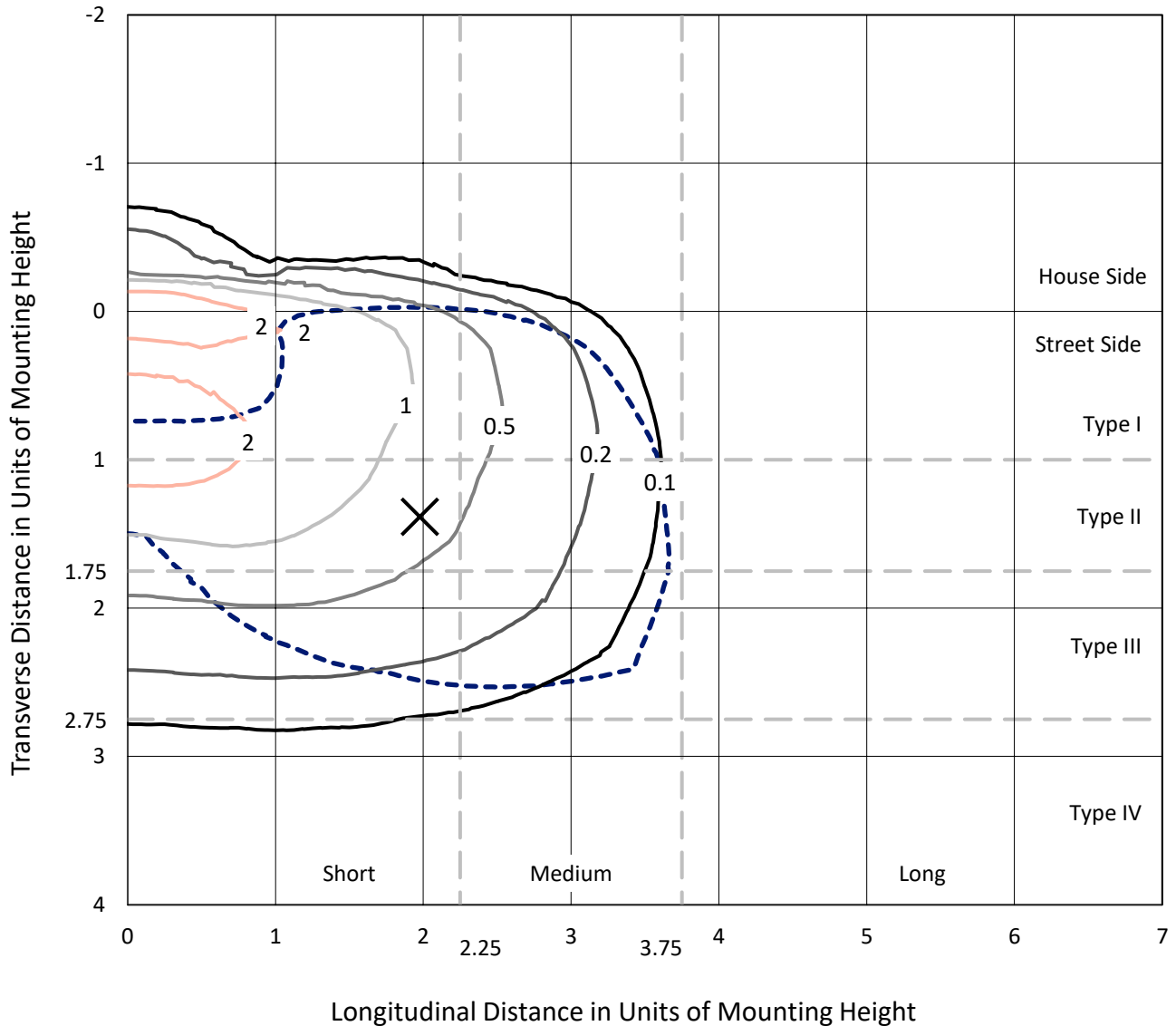
Lumens per Lamp: N/A  
Luminaire Lumens: 3698.9 lumens  
Efficiency: N/A  
Efficacy: 84.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 44  
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

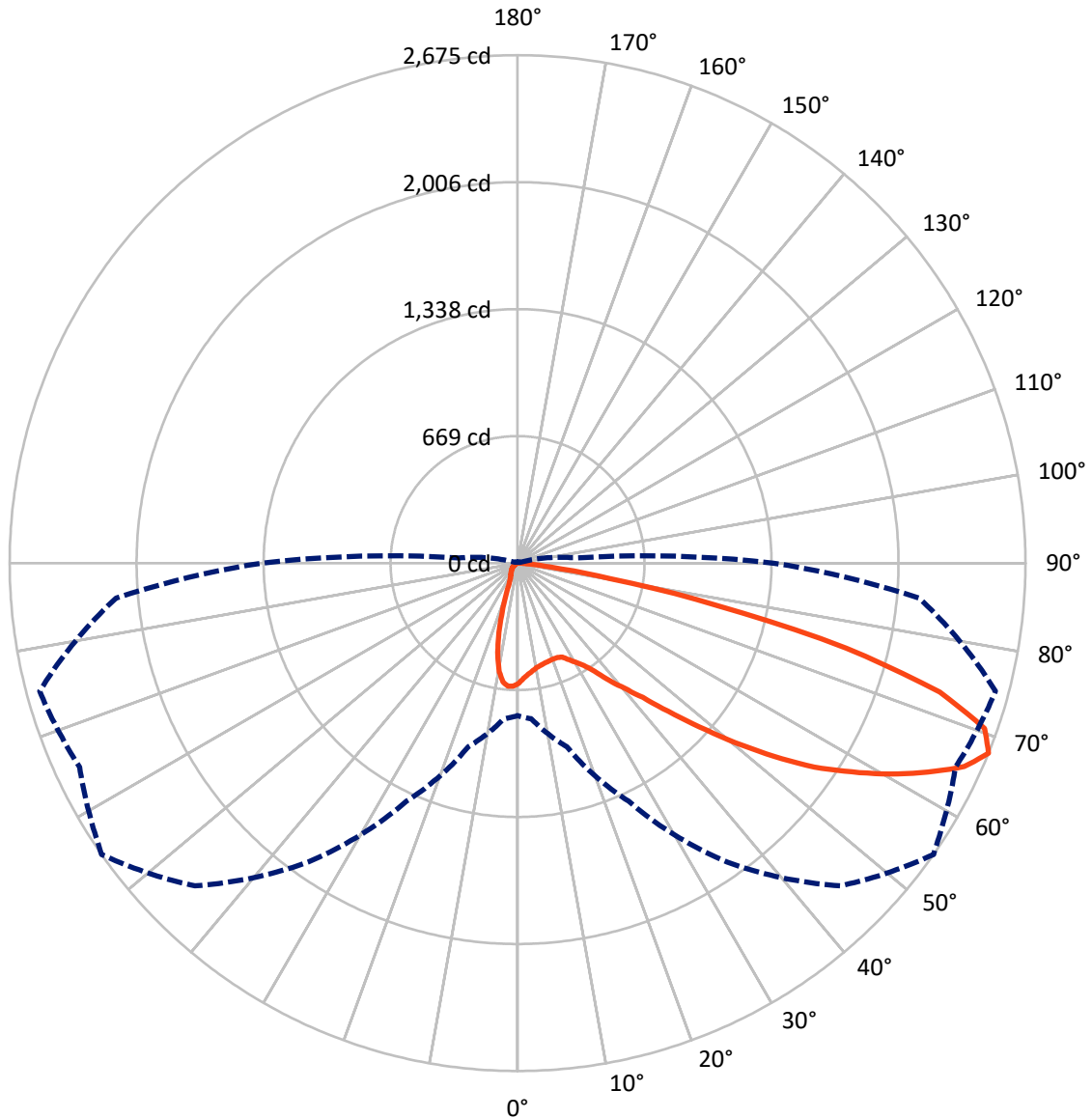
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 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	332.3	0.0	332.3
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	3366.6	0.0	3366.6
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	3698.9	0.0	3698.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.6	1.5
10°-20°	126.7	3.4
20°-30°	203.2	5.5
30°-40°	352.5	9.5
40°-50°	587.7	15.9
50°-60°	859.4	23.2
60°-70°	1002.1	27.1
70°-80°	486.3	13.1
80°-90°	25.4	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°	3698.9	100.0
0°-180°	3698.9	100.0



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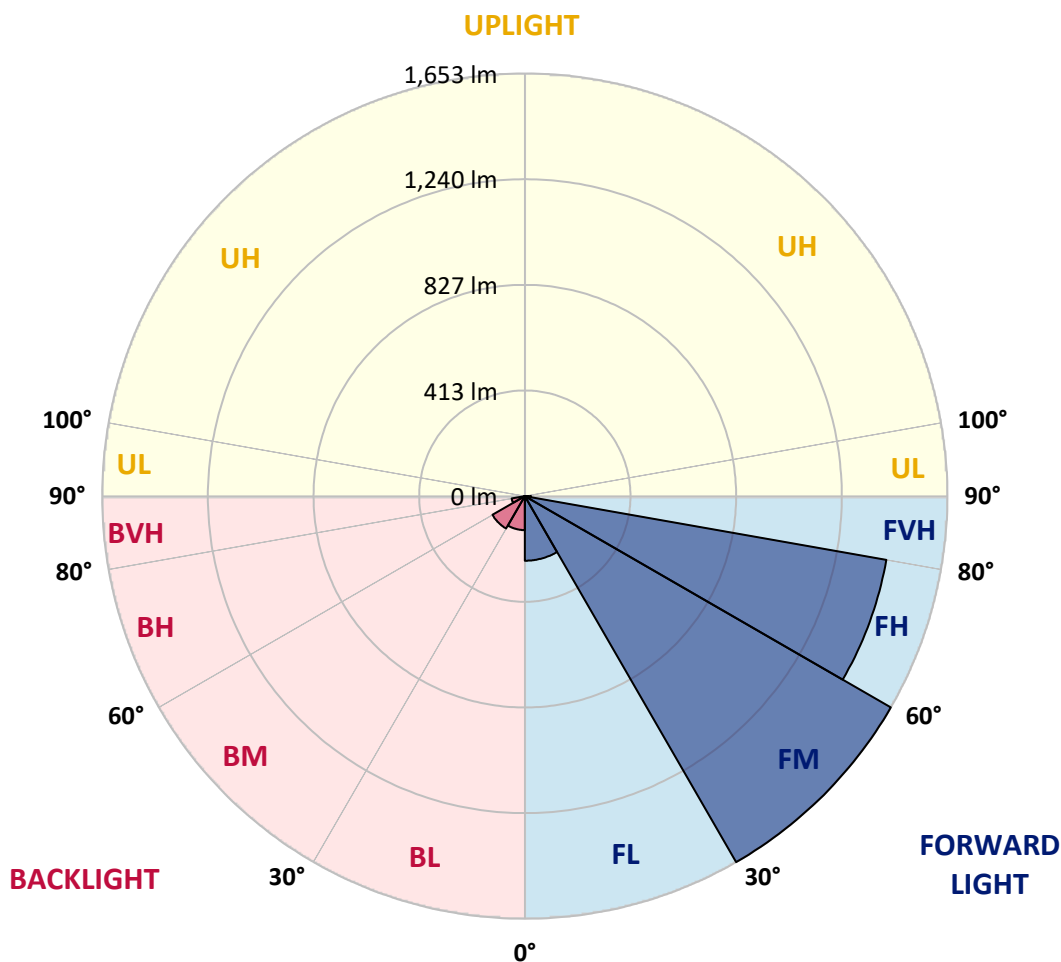
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.7	6.8			
FM (30°-60°)	1653.3	44.7			
FH (60°-80°)	1436.0	38.8			G1/1800
FVH (80°-90°)	24.7	0.7			G1/100
BL (0°-30°)	132.8	3.6	B1/500		
BM (30°-60°)	146.3	4.0	B0/220		
BH (60°-80°)	52.4	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	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-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9
2.5°	585.2	588.9	593.7	595.4	601.2	609.4	607.0	605.3	614.5	627.1	631.2
5°	548.7	549.0	556.5	562.0	571.9	579.7	588.2	587.5	604.2	625.7	639.3
7.5°	512.9	513.6	521.4	529.9	544.3	559.6	572.5	571.9	598.8	627.4	653.3
10°	465.9	469.3	478.8	493.8	516.3	540.5	558.6	560.3	592.7	633.9	672.4
12.5°	428.0	429.8	440.3	459.7	486.3	518.0	551.8	550.7	594.0	645.8	697.3
15°	412.0	411.0	417.5	431.8	462.1	502.0	544.9	547.3	598.8	659.5	723.2
17.5°	415.8	414.8	418.2	423.3	444.7	488.7	541.2	545.3	606.3	673.8	747.4
20°	457.4	450.2	444.1	438.6	441.7	477.8	538.8	543.2	610.7	684.7	772.9
22.5°	537.4	528.6	512.2	481.9	461.8	478.5	539.5	545.3	620.6	702.4	804.0
25°	668.0	659.5	624.4	562.3	509.2	503.0	548.7	554.8	643.4	729.3	837.0
27.5°	840.8	821.7	779.1	690.1	587.5	542.2	576.3	583.1	675.8	750.1	859.5
30°	984.2	979.8	938.9	829.9	695.6	599.8	607.3	611.1	690.5	762.7	882.0
32.5°	1133.2	1124.0	1086.5	980.5	821.0	681.9	642.1	643.8	709.6	781.5	914.7
35°	1262.7	1254.2	1222.8	1119.9	967.5	792.4	699.7	695.9	749.1	822.7	959.0
37.5°	1382.6	1381.6	1354.0	1249.0	1099.1	906.9	784.5	781.5	810.8	868.0	1019.0
40°	1499.9	1497.1	1473.6	1377.9	1228.6	1021.0	865.3	857.5	863.3	931.4	1098.1
42.5°	1571.8	1577.6	1585.8	1525.1	1382.3	1155.0	967.5	962.8	961.7	1030.6	1202.0
45°	1610.6	1620.9	1668.9	1663.5	1545.2	1321.6	1113.1	1100.8	1096.7	1166.9	1321.0
47.5°	1648.5	1652.9	1731.6	1764.7	1701.3	1495.4	1288.9	1271.9	1255.2	1333.2	1463.1
50°	1650.8	1658.0	1755.5	1835.9	1832.2	1666.5	1486.2	1471.2	1452.2	1535.7	1601.8
52.5°	1617.4	1631.8	1752.4	1880.9	1913.3	1817.5	1691.1	1678.8	1663.1	1725.5	1718.7
55°	1386.7	1410.9	1692.4	1885.0	1970.2	1947.0	1896.9	1879.9	1864.5	1908.8	1833.2
57.5°	1277.0	1290.6	1510.4	1881.9	2042.8	2067.0	2075.5	2067.7	2046.2	2101.4	1952.8
60°	1211.2	1231.0	1423.5	1847.8	2121.2	2202.6	2256.1	2240.4	2214.2	2290.2	2080.9
62.5°	1132.5	1146.8	1337.0	1749.7	2167.8	2340.6	2425.5	2411.2	2357.0	2464.3	2184.5
65°	987.3	1008.8	1199.3	1595.3	2105.1	2441.9	2585.0	2580.2	2486.2	2595.9	2212.8
67.5°	803.6	823.0	1000.6	1383.7	1921.8	2404.0	2675.3	2660.3	2544.8	2605.8	2123.2
70°	603.2	613.8	747.7	1057.2	1574.5	2201.9	2609.9	2606.8	2455.8	2459.2	1848.2
72.5°	323.8	353.1	497.2	707.5	1107.3	1783.4	2326.0	2313.7	2191.0	2014.1	1329.1
75°	113.1	121.7	264.8	397.4	601.5	1188.0	1788.5	1759.9	1638.6	1310.0	724.2
77.5°	69.5	76.3	117.6	203.1	234.1	515.6	1074.6	1037.4	959.0	566.4	247.4
80°	48.1	54.2	78.7	106.3	79.7	167.0	494.5	480.5	369.8	135.0	56.9
82.5°	26.9	32.4	59.6	52.1	32.0	43.3	171.4	158.8	98.5	36.5	19.1
85°	15.7	18.7	41.9	36.8	16.4	15.3	44.6	39.9	25.6	13.6	9.2
87.5°	8.2	10.6	30.7	24.5	9.9	5.5	10.2	9.9	6.5	4.8	6.1
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°	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9	633.9
2.5°	638.7	637.0	645.8	648.9	648.2	646.8	650.3	645.8	645.5	644.5	643.4
5°	650.3	653.0	660.1	660.1	650.6	634.9	625.4	612.4	601.5	595.0	594.0
7.5°	667.6	673.1	677.9	663.2	630.5	591.6	550.4	518.0	489.7	475.1	473.7
10°	692.2	697.3	693.5	651.6	581.4	501.0	433.8	366.4	332.6	314.2	314.2
12.5°	721.5	725.6	702.7	622.6	500.6	384.1	294.5	223.6	189.8	168.0	166.7
15°	753.2	754.2	701.4	572.2	400.8	258.0	169.0	124.1	109.7	106.7	106.0
17.5°	780.8	776.7	687.1	497.6	288.7	153.7	107.4	97.1	94.4	94.4	94.4
20°	806.7	793.0	658.4	410.7	185.1	104.6	92.4	89.6	89.6	90.0	90.0
22.5°	835.3	808.4	617.5	314.2	118.9	89.6	86.6	85.2	84.9	85.9	85.5
25°	869.0	823.4	558.9	217.1	92.0	83.5	82.1	80.8	80.8	80.8	80.8
27.5°	887.8	821.3	492.1	137.0	80.4	77.4	76.0	74.6	73.6	73.3	73.6
30°	904.1	809.4	404.9	95.8	72.6	69.2	68.2	66.5	64.4	63.7	63.7
32.5°	925.6	799.5	313.5	77.0	65.8	62.0	59.0	56.2	52.8	51.5	51.1
35°	949.5	781.5	229.7	67.8	59.6	54.9	50.1	45.7	41.2	39.9	39.5
37.5°	979.1	765.1	155.7	62.7	54.5	48.7	42.3	36.1	32.0	31.4	31.4
40°	1019.3	751.5	107.7	58.3	49.8	42.9	35.1	28.6	25.9	25.2	25.2
42.5°	1074.2	740.2	81.5	54.5	45.7	37.1	28.3	23.5	21.5	20.8	20.8
45°	1139.0	722.8	68.8	51.1	41.6	31.4	23.5	19.8	18.7	18.7	18.7
47.5°	1213.3	701.0	62.7	47.7	37.1	25.6	19.8	18.1	17.7	17.7	18.1
50°	1288.2	675.1	58.3	43.6	32.0	21.8	18.1	17.0	17.0	17.4	17.4
52.5°	1339.0	634.6	53.8	39.2	26.9	19.1	17.0	16.7	16.4	16.4	16.4
55°	1388.4	599.1	47.7	34.4	22.5	17.7	16.4	16.0	16.0	15.7	15.7
57.5°	1439.9	571.2	39.9	28.6	19.1	16.7	15.7	15.7	15.0	14.7	14.7
60°	1499.5	546.6	30.7	22.5	16.7	15.7	14.7	14.3	13.6	13.0	13.0
62.5°	1516.9	494.8	23.2	18.1	14.3	13.6	13.3	12.6	10.9	9.5	9.9
65°	1471.6	413.4	18.4	14.3	11.6	11.6	10.6	8.9	7.2	6.1	6.1
67.5°	1346.5	308.8	15.0	11.2	9.2	8.9	7.5	6.5	4.4	3.7	3.7
70°	1109.7	204.1	12.3	8.9	7.5	6.1	5.1	4.8	3.4	2.7	2.7
72.5°	777.7	110.8	10.2	7.2	5.5	4.1	3.4	3.1	2.4	2.0	1.7
75°	410.7	42.6	8.2	5.5	3.4	2.7	2.0	2.0	1.7	1.4	1.4
77.5°	140.8	18.1	5.8	3.1	2.4	1.7	1.4	1.0	1.4	1.0	1.0
80°	33.4	10.6	3.7	2.0	1.4	1.0	1.0	0.7	0.7	0.7	0.7
82.5°	14.7	6.1	2.4	1.4	1.4	1.0	0.7	0.3	0.3	0.3	0.3
85°	9.9	3.7	1.7	1.4	1.0	0.7	0.3	0.3	0.0	0.0	0.0
87.5°	7.8	2.4	1.4	1.4	1.0	0.7	0.3	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)