

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: P674708

Luminaire Tested: **CCP-SA-2A-740-U-T3R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674708  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-740-U-T3R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

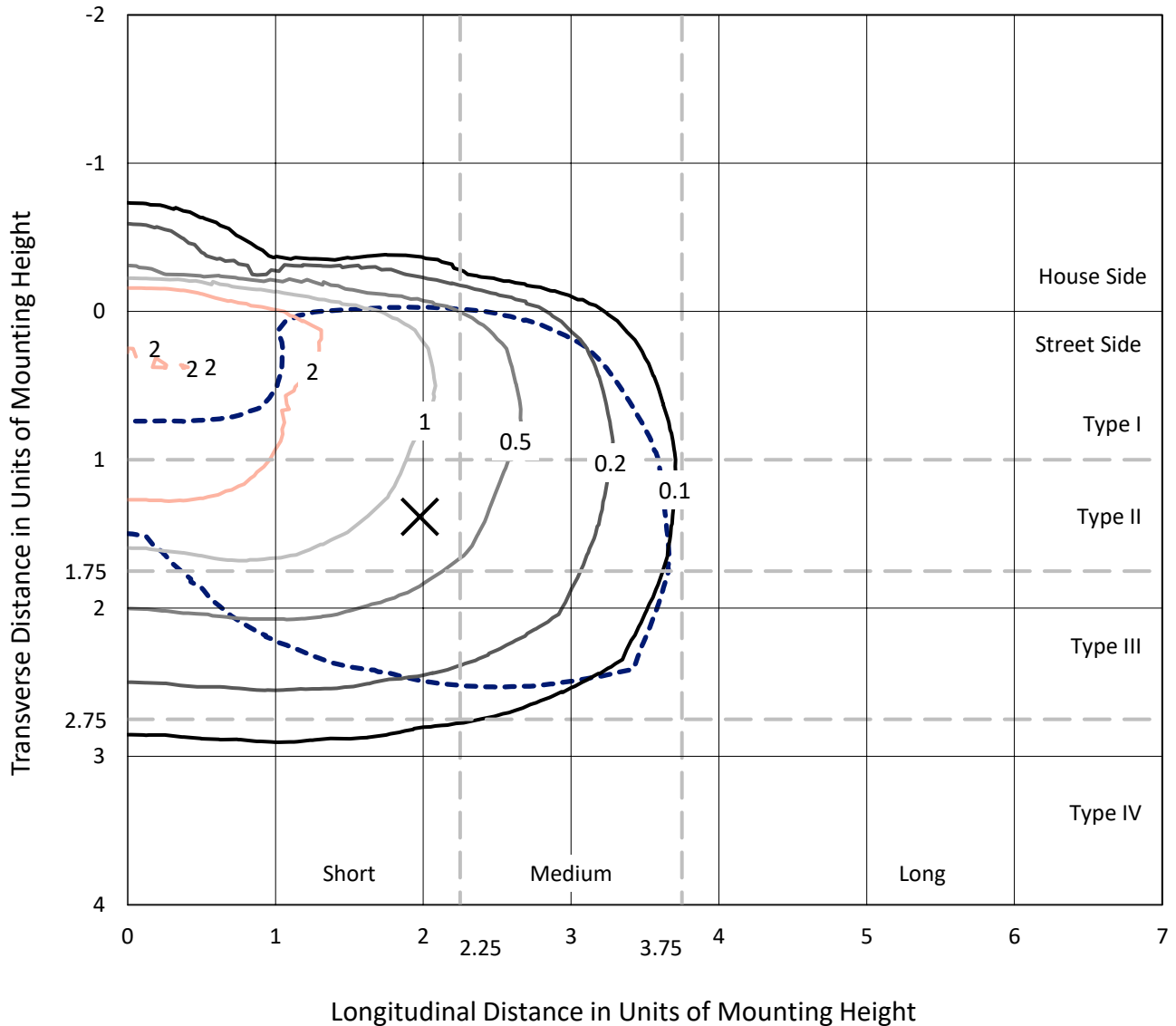
Lumens per Lamp: N/A  
Luminaire Lumens: 4339.5 lumens  
Efficiency: N/A  
Efficacy: 119.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2  
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

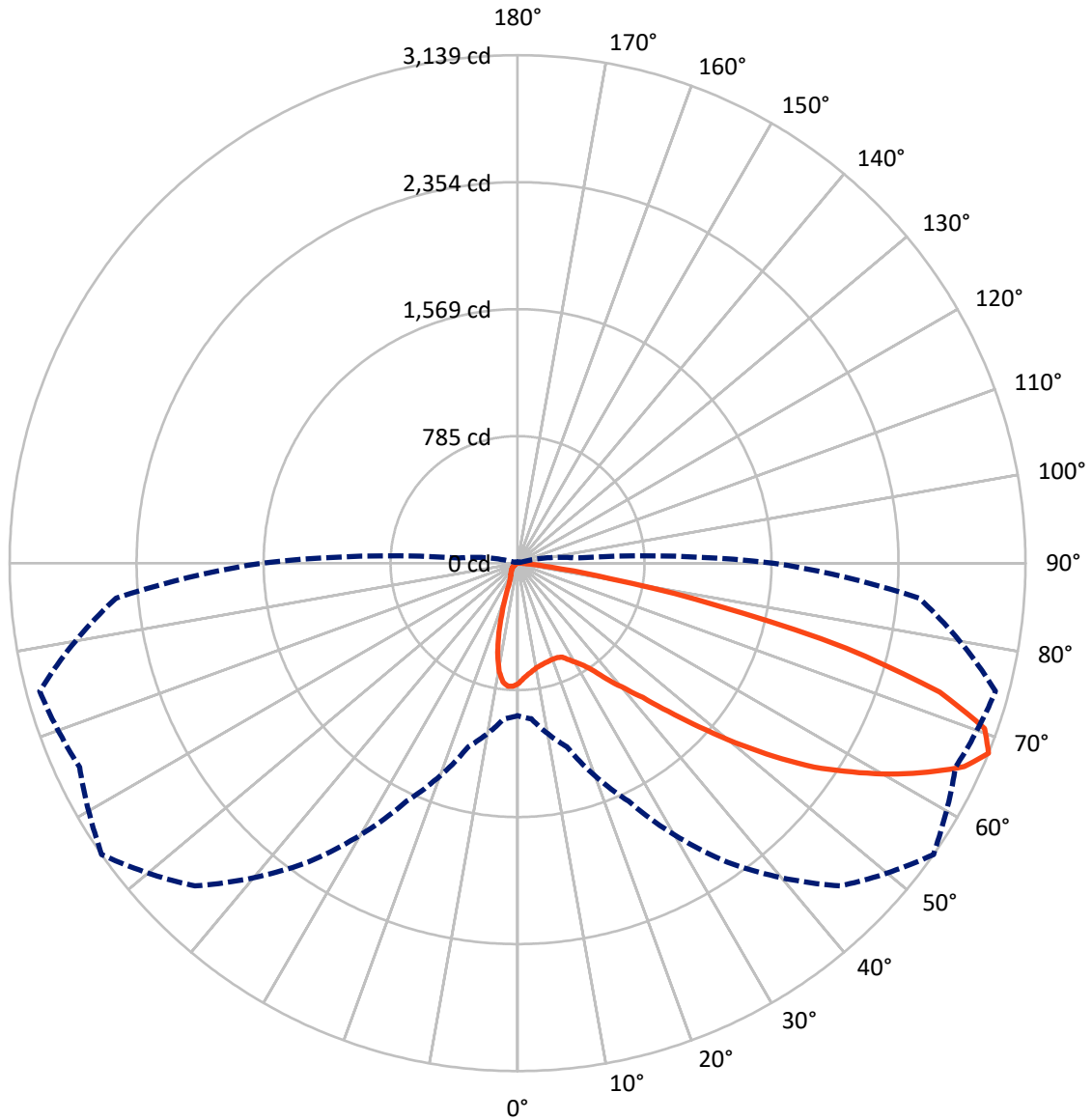
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 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	389.9	0.0	389.9
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	3949.7	0.0	3949.7
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	4339.5	0.0	4339.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.3	1.5
10°-20°	148.6	3.4
20°-30°	238.4	5.5
30°-40°	413.5	9.5
40°-50°	689.5	15.9
50°-60°	1008.3	23.2
60°-70°	1175.6	27.1
70°-80°	570.5	13.1
80°-90°	29.8	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°	4339.5	100.0
0°-180°	4339.5	100.0

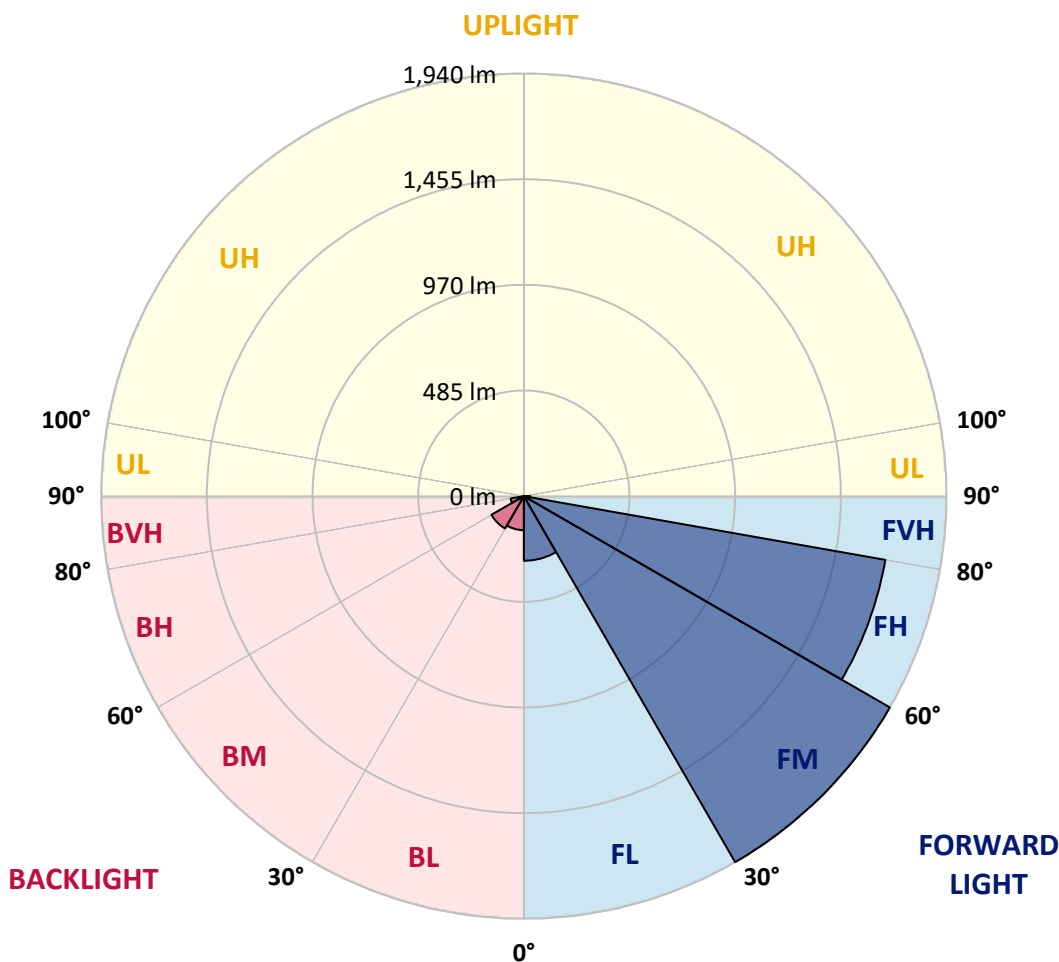


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.4	6.8			
FM (30°-60°)	1939.6	44.7			
FH (60°-80°)	1684.7	38.8			G1/1800
FVH (80°-90°)	29.0	0.7			G1/100
BL (0°-30°)	155.8	3.6	B1/500		
BM (30°-60°)	171.6	4.0	B0/220		
BH (60°-80°)	61.5	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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°	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7
2.5°	686.5	690.9	696.5	698.5	705.3	714.9	712.1	710.1	720.9	735.7	740.5
5°	643.7	644.1	652.9	659.3	670.9	680.1	690.1	689.3	708.9	734.1	750.1
7.5°	601.7	602.5	611.7	621.7	638.5	656.5	671.7	670.9	702.5	736.1	766.5
10°	546.6	550.6	561.7	579.3	605.7	634.1	655.3	657.3	695.3	743.7	788.8
12.5°	502.2	504.2	516.6	539.4	570.5	607.7	647.3	646.1	696.9	757.7	818.0
15°	483.4	482.2	489.8	506.6	542.2	588.9	639.3	642.1	702.5	773.7	848.4
17.5°	487.8	486.6	490.6	496.6	521.8	573.3	634.9	639.7	711.3	790.4	876.8
20°	536.6	528.2	521.0	514.6	518.2	560.5	632.1	637.3	716.5	803.2	906.8
22.5°	630.5	620.1	600.9	565.3	541.8	561.3	632.9	639.7	728.1	824.0	943.2
25°	783.6	773.7	732.5	659.7	597.3	590.1	643.7	650.9	754.9	855.6	982.0
27.5°	986.4	964.0	914.0	809.6	689.3	636.1	676.1	684.1	792.8	880.0	1008.3
30°	1154.7	1149.5	1101.5	973.6	816.0	703.7	712.5	716.9	810.0	894.8	1034.7
32.5°	1329.4	1318.6	1274.6	1150.3	963.2	800.0	753.3	755.3	832.4	916.8	1073.1
35°	1481.3	1471.3	1434.6	1313.8	1135.1	929.6	820.8	816.4	878.8	965.2	1125.1
37.5°	1622.1	1620.9	1588.5	1465.3	1289.4	1063.9	920.4	916.8	951.2	1018.3	1195.5
40°	1759.6	1756.4	1728.8	1616.5	1441.4	1197.9	1015.1	1005.9	1012.7	1092.7	1288.2
42.5°	1844.0	1850.8	1860.4	1789.2	1621.7	1355.0	1135.1	1129.5	1128.3	1209.1	1410.2
45°	1889.6	1901.5	1957.9	1951.5	1812.8	1550.5	1305.8	1291.4	1286.6	1369.0	1549.7
47.5°	1933.9	1939.1	2031.5	2070.3	1995.9	1754.4	1512.1	1492.1	1472.5	1564.1	1716.4
50°	1936.7	1945.1	2059.5	2153.8	2149.4	1955.1	1743.6	1726.0	1703.6	1801.6	1879.2
52.5°	1897.5	1914.3	2055.9	2206.6	2244.6	2132.2	1983.9	1969.5	1951.1	2024.3	2016.3
55°	1626.9	1655.3	1985.5	2211.4	2311.4	2284.2	2225.4	2205.4	2187.4	2239.4	2150.6
57.5°	1498.1	1514.1	1772.0	2207.8	2396.5	2424.9	2434.9	2425.7	2400.5	2465.3	2291.0
60°	1421.0	1444.2	1670.1	2167.8	2488.5	2584.0	2646.8	2628.4	2597.6	2686.8	2441.3
62.5°	1328.6	1345.4	1568.5	2052.7	2543.3	2746.0	2845.5	2828.7	2765.2	2891.1	2562.9
65°	1158.3	1183.5	1407.0	1871.6	2469.7	2864.7	3032.6	3027.0	2916.7	3045.4	2596.0
67.5°	942.8	965.6	1173.9	1623.3	2254.6	2820.3	3138.6	3121.0	2985.5	3057.0	2490.9
70°	707.7	720.1	877.2	1240.2	1847.2	2583.2	3061.8	3058.2	2881.1	2885.1	2168.2
72.5°	379.8	414.2	583.3	830.0	1299.0	2092.3	2728.8	2714.4	2570.4	2362.9	1559.3
75°	132.7	142.7	310.7	466.2	705.7	1393.8	2098.3	2064.7	1922.3	1536.9	849.6
77.5°	81.6	89.6	137.9	238.3	274.7	604.9	1260.6	1217.1	1125.1	664.5	290.3
80°	56.4	63.6	92.4	124.7	93.6	195.9	580.1	563.7	433.8	158.3	66.8
82.5°	31.6	38.0	70.0	61.2	37.6	50.8	201.1	186.3	115.5	42.8	22.4
85°	18.4	22.0	49.2	43.2	19.2	18.0	52.4	46.8	30.0	16.0	10.8
87.5°	9.6	12.4	36.0	28.8	11.6	6.4	12.0	11.6	7.6	5.6	7.2
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°	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7
2.5°	749.3	747.3	757.7	761.3	760.5	758.9	762.9	757.7	757.3	756.1	754.9
5°	762.9	766.1	774.5	774.5	763.3	744.9	733.7	718.5	705.7	698.1	696.9
7.5°	783.2	789.6	795.2	778.1	739.7	694.1	645.7	607.7	574.5	557.4	555.8
10°	812.0	818.0	813.6	764.5	682.1	587.7	509.0	429.8	390.2	368.6	368.6
12.5°	846.4	851.2	824.4	730.5	587.3	450.6	345.4	262.3	222.7	197.1	195.5
15°	883.6	884.8	822.8	671.3	470.2	302.7	198.3	145.5	128.7	125.1	124.3
17.5°	916.0	911.2	806.0	583.7	338.6	180.3	125.9	113.9	110.8	110.8	110.8
20°	946.4	930.4	772.5	481.8	217.1	122.7	108.4	105.2	105.2	105.6	105.6
22.5°	980.0	948.4	724.5	368.6	139.5	105.2	101.6	100.0	99.6	100.8	100.4
25°	1019.5	966.0	655.7	254.7	108.0	98.0	96.4	94.8	94.8	94.8	94.8
27.5°	1041.5	963.6	577.3	160.7	94.4	90.8	89.2	87.6	86.4	86.0	86.4
30°	1060.7	949.6	475.0	112.3	85.2	81.2	80.0	78.0	75.6	74.8	74.8
32.5°	1085.9	938.0	367.8	90.4	77.2	72.8	69.2	66.0	62.0	60.4	60.0
35°	1113.9	916.8	269.5	79.6	70.0	64.4	58.8	53.6	48.4	46.8	46.4
37.5°	1148.7	897.6	182.7	73.6	64.0	57.2	49.6	42.4	37.6	36.8	36.8
40°	1195.9	881.6	126.3	68.4	58.4	50.4	41.2	33.6	30.4	29.6	29.6
42.5°	1260.2	868.4	95.6	64.0	53.6	43.6	33.2	27.6	25.2	24.4	24.4
45°	1336.2	848.0	80.8	60.0	48.8	36.8	27.6	23.2	22.0	22.0	22.0
47.5°	1423.4	822.4	73.6	56.0	43.6	30.0	23.2	21.2	20.8	20.8	21.2
50°	1511.3	792.0	68.4	51.2	37.6	25.6	21.2	20.0	20.0	20.4	20.4
52.5°	1570.9	744.5	63.2	46.0	31.6	22.4	20.0	19.6	19.2	19.2	19.2
55°	1628.9	702.9	56.0	40.4	26.4	20.8	19.2	18.8	18.8	18.4	18.4
57.5°	1689.2	670.1	46.8	33.6	22.4	19.6	18.4	18.4	17.6	17.2	17.2
60°	1759.2	641.3	36.0	26.4	19.6	18.4	17.2	16.8	16.0	15.2	15.2
62.5°	1779.6	580.5	27.2	21.2	16.8	16.0	15.6	14.8	12.8	11.2	11.6
65°	1726.4	485.0	21.6	16.8	13.6	13.6	12.4	10.4	8.4	7.2	7.2
67.5°	1579.7	362.2	17.6	13.2	10.8	10.4	8.8	7.6	5.2	4.4	4.4
70°	1301.8	239.5	14.4	10.4	8.8	7.2	6.0	5.6	4.0	3.2	3.2
72.5°	912.4	129.9	12.0	8.4	6.4	4.8	4.0	3.6	2.8	2.4	2.0
75°	481.8	50.0	9.6	6.4	4.0	3.2	2.4	2.4	2.0	1.6	1.6
77.5°	165.1	21.2	6.8	3.6	2.8	2.0	1.6	1.2	1.6	1.2	1.2
80°	39.2	12.4	4.4	2.4	1.6	1.2	1.2	0.8	0.8	0.8	0.8
82.5°	17.2	7.2	2.8	1.6	1.6	1.2	0.8	0.4	0.4	0.4	0.4
85°	11.6	4.4	2.0	1.6	1.2	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.2	2.8	1.6	1.6	1.2	0.8	0.4	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)