

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: P674693

Luminaire Tested: **CCP-SA-1C-735-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674693
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-735-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

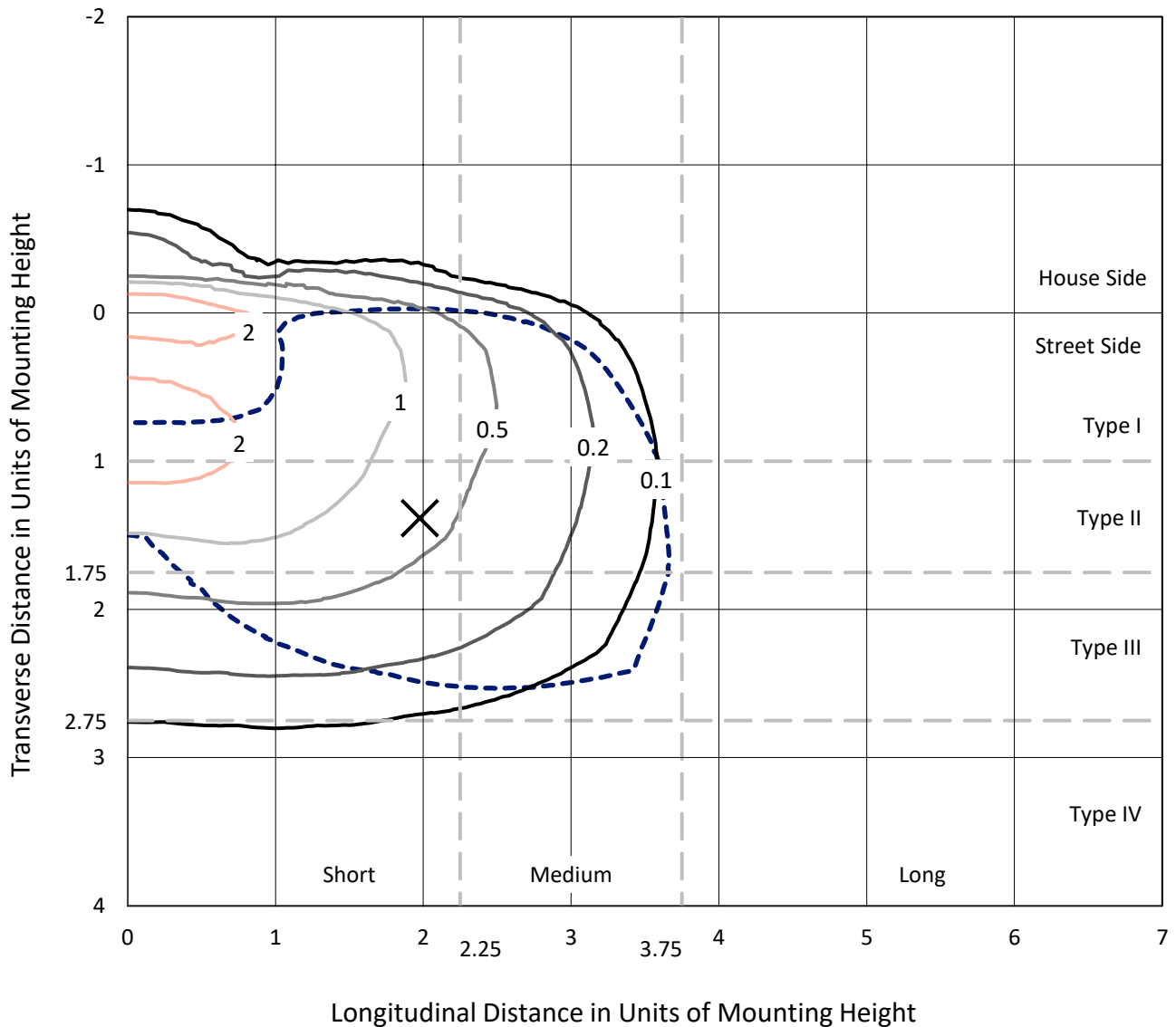
Lumens per Lamp: N/A
Luminaire Lumens: 3536.7 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
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

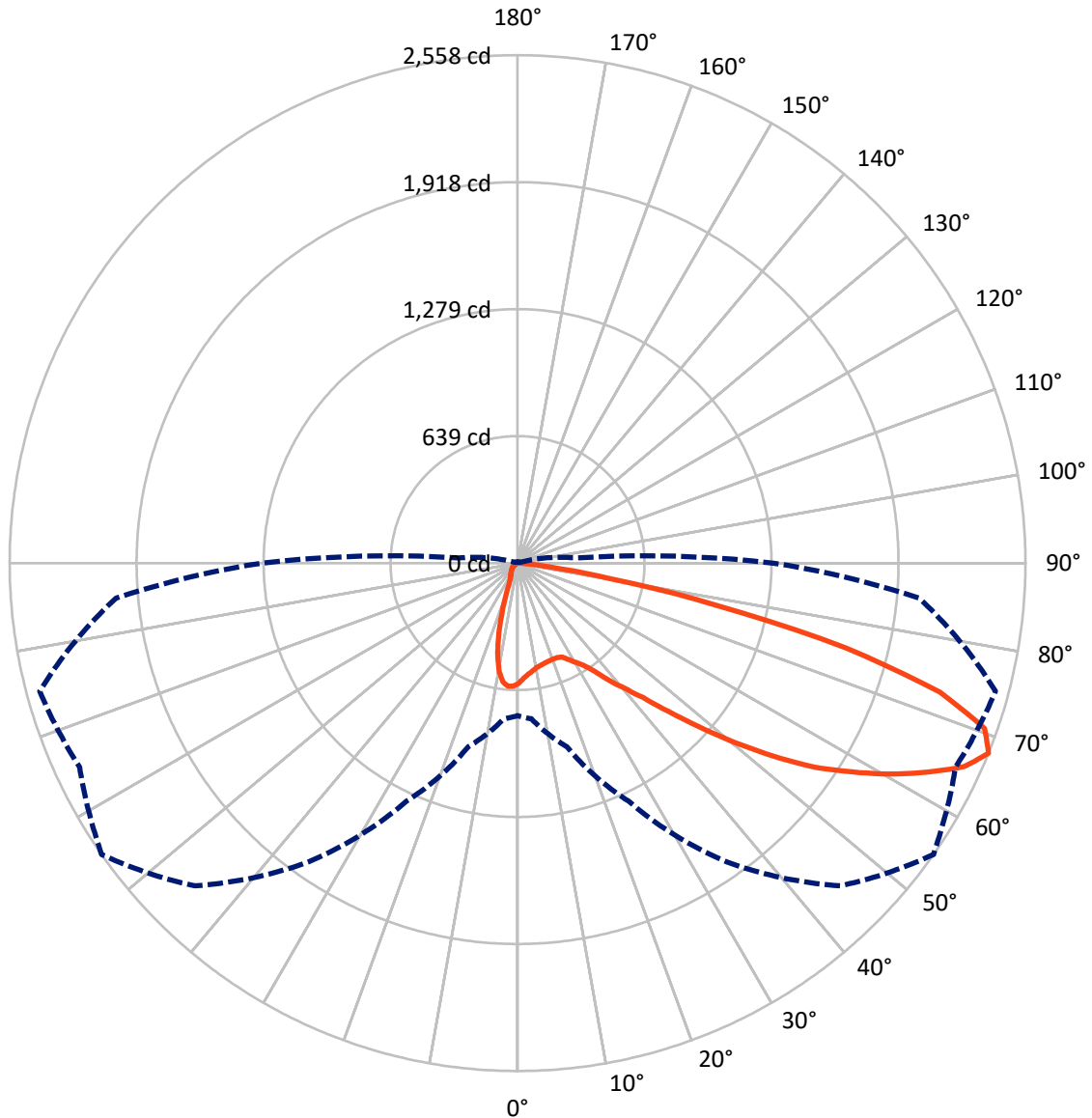
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 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
House Side	Lumens	317.7	0.0	317.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3218.9	0.0	3218.9
	% Fixture	91.0	0.0	91.0
Total	Lumens	3536.7	0.0	3536.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.2	1.5
10°-20°	121.1	3.4
20°-30°	194.3	5.5
30°-40°	337.0	9.5
40°-50°	561.9	15.9
50°-60°	821.7	23.2
60°-70°	958.1	27.1
70°-80°	465.0	13.1
80°-90°	24.3	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°	3536.7	100.0
0°-180°	3536.7	100.0



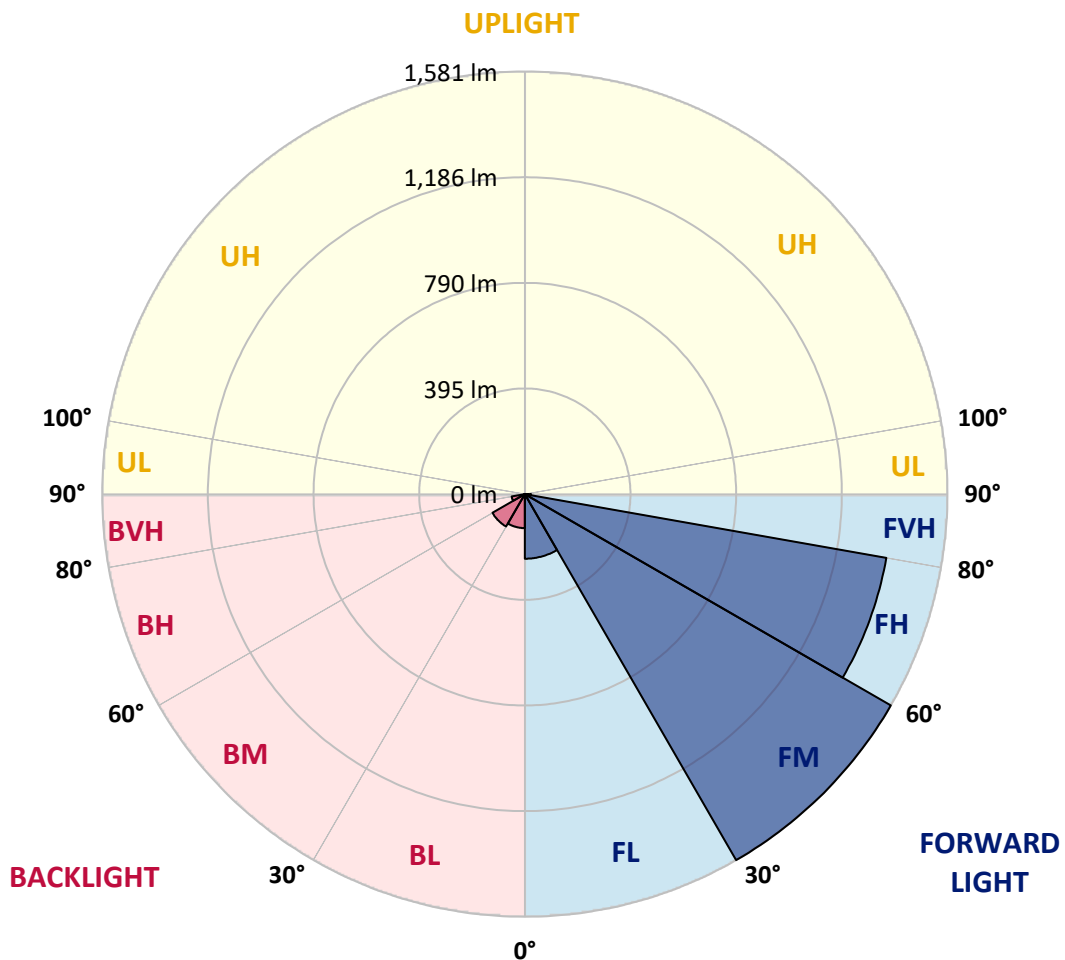
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.6	6.8			
FM (30°-60°)	1580.8	44.7			
FH (60°-80°)	1373.0	38.8			G1/1800
FVH (80°-90°)	23.6	0.7			G1/100
BL (0°-30°)	127.0	3.6	B1/500		
BM (30°-60°)	139.9	4.0	B0/220		
BH (60°-80°)	50.1	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°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1
2.5°	559.5	563.1	567.6	569.3	574.8	582.6	580.3	578.7	587.5	599.6	603.5
5°	524.6	524.9	532.1	537.3	546.8	554.3	562.4	561.8	577.7	598.3	611.3
7.5°	490.4	491.1	498.6	506.7	520.4	535.0	547.4	546.8	572.5	599.9	624.7
10°	445.4	448.7	457.8	472.2	493.7	516.8	534.1	535.7	566.7	606.1	642.9
12.5°	409.3	410.9	421.0	439.6	465.0	495.3	527.6	526.6	568.0	617.5	666.7
15°	394.0	393.0	399.2	412.9	441.9	480.0	521.0	523.3	572.5	630.5	691.5
17.5°	397.5	396.6	399.8	404.7	425.2	467.3	517.4	521.4	579.7	644.2	714.6
20°	437.3	430.4	424.6	419.4	422.3	456.8	515.2	519.4	583.9	654.6	739.0
22.5°	513.9	505.4	489.8	460.8	441.5	457.5	515.8	521.4	593.4	671.6	768.7
25°	638.7	630.5	597.0	537.7	486.8	481.0	524.6	530.5	615.2	697.3	800.3
27.5°	803.9	785.6	744.9	659.8	561.8	518.4	551.0	557.5	646.2	717.2	821.8
30°	941.1	936.8	897.7	793.4	665.1	573.5	580.7	584.2	660.2	729.3	843.3
32.5°	1083.5	1074.7	1038.8	937.5	785.0	652.0	613.9	615.5	678.4	747.2	874.6
35°	1207.3	1199.1	1169.1	1070.7	925.1	757.6	669.0	665.4	716.2	786.6	916.9
37.5°	1322.0	1321.0	1294.6	1194.2	1050.9	867.1	750.1	747.2	775.2	829.9	974.3
40°	1434.1	1431.5	1409.0	1317.4	1174.7	976.2	827.3	819.8	825.4	890.5	1049.9
42.5°	1502.8	1508.4	1516.2	1458.2	1321.6	1104.3	925.1	920.5	919.5	985.4	1149.3
45°	1540.0	1549.7	1595.7	1590.5	1477.4	1263.6	1064.2	1052.5	1048.6	1115.7	1263.0
47.5°	1576.1	1580.4	1655.6	1687.3	1626.6	1429.8	1232.4	1216.1	1200.1	1274.7	1398.9
50°	1578.4	1585.3	1678.5	1755.4	1751.8	1593.4	1421.0	1406.7	1388.4	1468.3	1531.5
52.5°	1546.5	1560.2	1675.5	1798.4	1829.3	1737.8	1616.9	1605.1	1590.1	1649.8	1643.3
55°	1325.9	1349.0	1618.2	1802.3	1883.7	1861.6	1813.7	1797.4	1782.7	1825.1	1752.7
57.5°	1221.0	1234.0	1444.2	1799.3	1953.1	1976.3	1984.4	1976.9	1956.4	2009.2	1867.1
60°	1158.1	1177.0	1361.1	1766.8	2028.1	2106.0	2157.1	2142.1	2117.0	2189.7	1989.6
62.5°	1082.8	1096.5	1278.3	1672.9	2072.7	2237.9	2319.1	2305.4	2253.6	2356.2	2088.7
65°	944.0	964.5	1146.7	1525.3	2012.8	2334.7	2471.6	2467.0	2377.1	2482.0	2115.7
67.5°	768.4	786.9	956.7	1323.0	1837.5	2298.5	2557.9	2543.6	2433.1	2491.4	2030.0
70°	576.8	586.9	714.9	1010.8	1505.4	2105.3	2495.4	2492.4	2348.1	2351.3	1767.1
72.5°	309.6	337.6	475.4	676.5	1058.7	1705.2	2223.9	2212.2	2094.9	1925.8	1270.8
75°	108.2	116.3	253.2	379.9	575.1	1135.9	1710.1	1682.7	1566.7	1252.6	692.4
77.5°	66.5	73.0	112.4	194.2	223.9	493.0	1027.4	991.9	916.9	541.6	236.6
80°	45.9	51.8	75.3	101.7	76.2	159.7	472.8	459.4	353.5	129.0	54.4
82.5°	25.7	31.0	57.0	49.9	30.6	41.4	163.9	151.8	94.2	34.9	18.2
85°	15.0	17.9	40.1	35.2	15.6	14.7	42.7	38.1	24.4	13.0	8.8
87.5°	7.8	10.1	29.3	23.5	9.4	5.2	9.8	9.4	6.2	4.6	5.9
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°	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1	606.1
2.5°	610.6	609.0	617.5	620.4	619.8	618.5	621.7	617.5	617.2	616.2	615.2
5°	621.7	624.3	631.2	631.2	622.0	607.1	597.9	585.6	575.1	568.9	568.0
7.5°	638.3	643.6	648.1	634.1	602.8	565.7	526.2	495.3	468.2	454.2	452.9
10°	661.8	666.7	663.1	623.0	555.9	479.0	414.8	350.3	318.0	300.4	300.4
12.5°	689.8	693.7	671.9	595.3	478.7	367.2	281.5	213.8	181.5	160.6	159.3
15°	720.1	721.1	670.6	547.1	383.2	246.7	161.6	118.6	104.9	102.0	101.3
17.5°	746.5	742.6	656.9	475.7	276.0	147.0	102.6	92.9	90.3	90.3	90.3
20°	771.3	758.3	629.5	392.6	176.9	100.0	88.3	85.7	85.7	86.0	86.0
22.5°	798.7	772.9	590.4	300.4	113.7	85.7	82.8	81.5	81.1	82.1	81.8
25°	830.9	787.3	534.4	207.6	88.0	79.8	78.5	77.2	77.2	77.2	77.2
27.5°	848.8	785.3	470.5	131.0	76.9	74.0	72.7	71.4	70.4	70.1	70.4
30°	864.5	773.9	387.1	91.6	69.4	66.1	65.2	63.5	61.6	60.9	60.9
32.5°	885.0	764.4	299.8	73.6	62.9	59.3	56.4	53.8	50.5	49.2	48.9
35°	907.8	747.2	219.6	64.8	57.0	52.5	47.9	43.7	39.4	38.1	37.8
37.5°	936.2	731.5	148.9	60.0	52.1	46.6	40.4	34.5	30.6	30.0	30.0
40°	974.6	718.5	103.0	55.7	47.6	41.1	33.6	27.4	24.8	24.1	24.1
42.5°	1027.1	707.7	77.9	52.1	43.7	35.5	27.0	22.5	20.5	19.9	19.9
45°	1089.0	691.1	65.8	48.9	39.8	30.0	22.5	18.9	17.9	17.9	17.9
47.5°	1160.0	670.3	60.0	45.6	35.5	24.4	18.9	17.3	16.9	16.9	17.3
50°	1231.7	645.5	55.7	41.7	30.6	20.9	17.3	16.3	16.3	16.6	16.6
52.5°	1280.3	606.7	51.5	37.5	25.7	18.2	16.3	16.0	15.6	15.6	15.6
55°	1327.5	572.8	45.6	32.9	21.5	16.9	15.6	15.3	15.3	15.0	15.0
57.5°	1376.7	546.1	38.1	27.4	18.2	16.0	15.0	15.0	14.3	14.0	14.0
60°	1433.7	522.7	29.3	21.5	16.0	15.0	14.0	13.7	13.0	12.4	12.4
62.5°	1450.4	473.1	22.2	17.3	13.7	13.0	12.7	12.1	10.4	9.1	9.4
65°	1407.0	395.3	17.6	13.7	11.1	11.1	10.1	8.5	6.8	5.9	5.9
67.5°	1287.4	295.2	14.3	10.8	8.8	8.5	7.2	6.2	4.2	3.6	3.6
70°	1061.0	195.2	11.7	8.5	7.2	5.9	4.9	4.6	3.3	2.6	2.6
72.5°	743.6	105.9	9.8	6.8	5.2	3.9	3.3	2.9	2.3	2.0	1.6
75°	392.6	40.7	7.8	5.2	3.3	2.6	2.0	2.0	1.6	1.3	1.3
77.5°	134.6	17.3	5.5	2.9	2.3	1.6	1.3	1.0	1.3	1.0	1.0
80°	31.9	10.1	3.6	2.0	1.3	1.0	1.0	0.7	0.7	0.7	0.7
82.5°	14.0	5.9	2.3	1.3	1.3	1.0	0.7	0.3	0.3	0.3	0.3
85°	9.4	3.6	1.6	1.3	1.0	0.7	0.3	0.3	0.0	0.0	0.0
87.5°	7.5	2.3	1.3	1.3	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)