

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: P674673

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674673
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-727-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

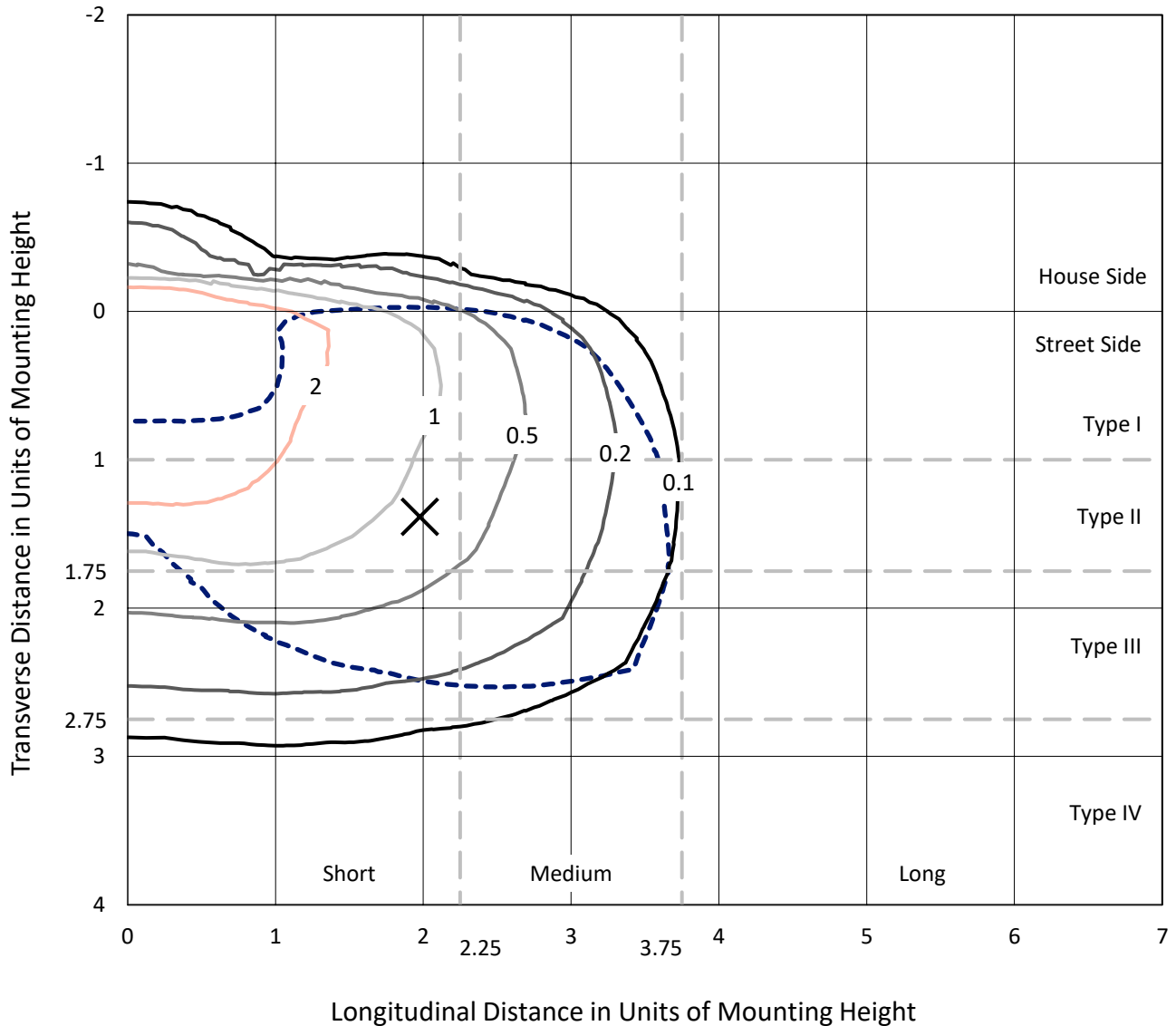
Lumens per Lamp: N/A
Luminaire Lumens: 4534.7 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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

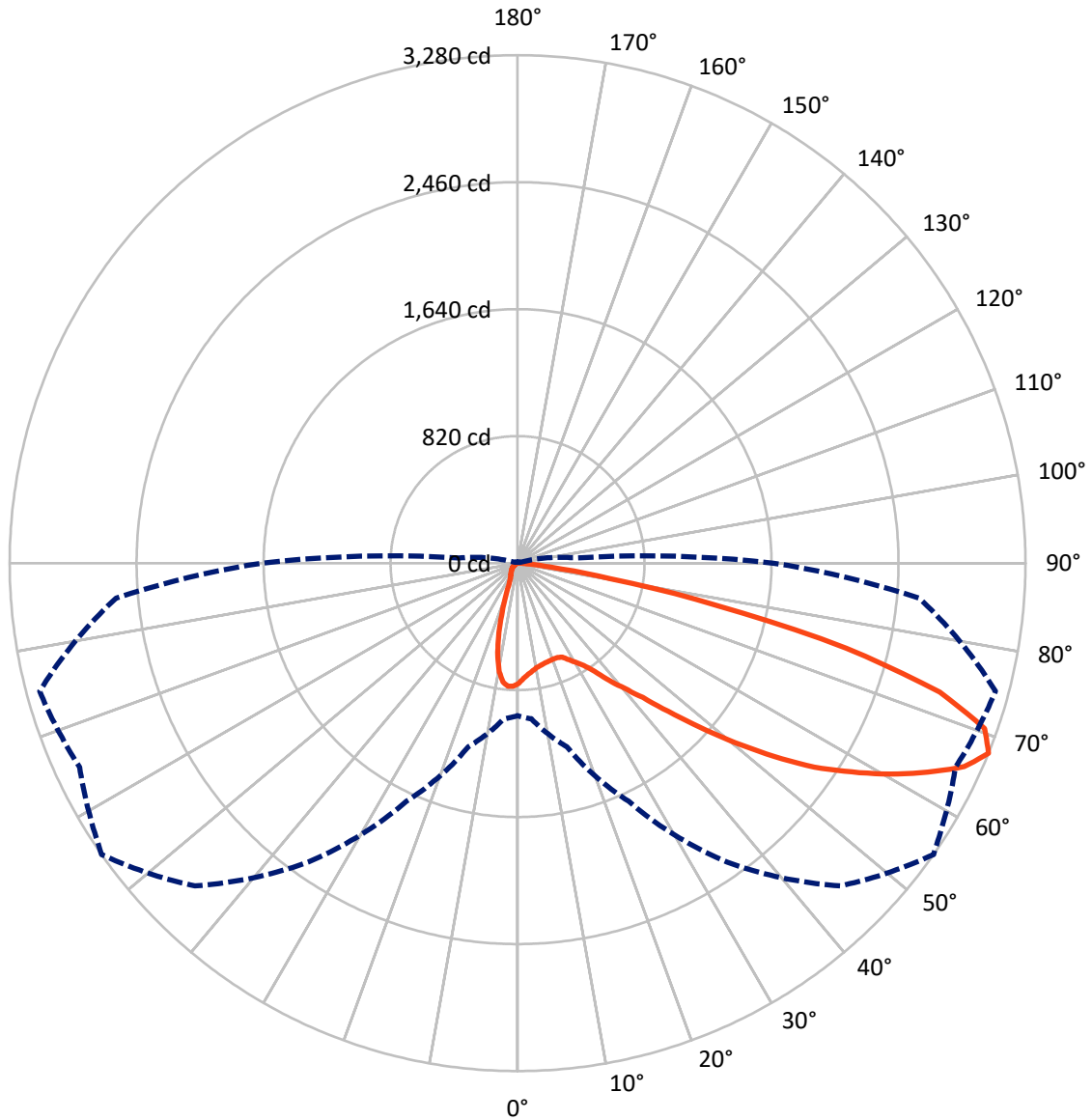
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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	407.4	0.0	407.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4127.4	0.0	4127.4
	% Fixture	91.0	0.0	91.0
Total	Lumens	4534.7	0.0	4534.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	1.5
10°-20°	155.3	3.4
20°-30°	249.1	5.5
30°-40°	432.1	9.5
40°-50°	720.5	15.9
50°-60°	1053.6	23.2
60°-70°	1228.5	27.1
70°-80°	596.2	13.1
80°-90°	31.2	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°	4534.7	100.0
0°-180°	4534.7	100.0



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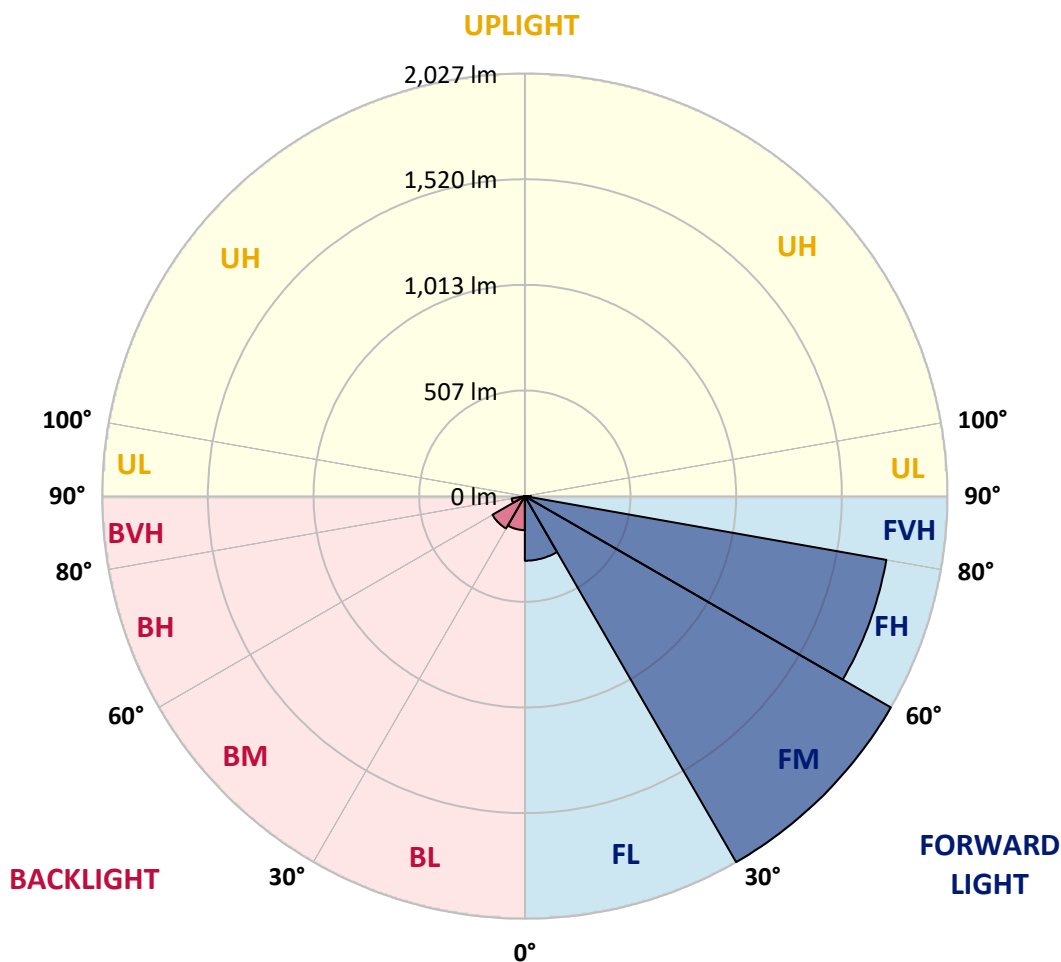
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.8	6.8			
FM (30°-60°)	2026.9	44.7			
FH (60°-80°)	1760.5	38.8			G1/1800
FVH (80°-90°)	30.3	0.7			G1/100
BL (0°-30°)	162.9	3.6	B1/500		
BM (30°-60°)	179.4	4.0	B0/220		
BH (60°-80°)	64.3	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°	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1
2.5°	717.4	722.0	727.8	729.9	737.0	747.0	744.1	742.0	753.3	768.8	773.8
5°	672.7	673.1	682.3	689.0	701.1	710.7	721.1	720.3	740.8	767.1	783.8
7.5°	628.8	629.6	639.2	649.7	667.2	686.0	701.9	701.1	734.1	769.2	800.9
10°	571.1	575.3	587.0	605.4	633.0	662.6	684.8	686.9	726.6	777.1	824.3
12.5°	524.8	526.9	539.8	563.6	596.2	635.1	676.4	675.2	728.2	791.7	854.8
15°	505.1	503.9	511.8	529.4	566.5	615.4	668.1	671.0	734.1	808.5	886.6
17.5°	509.7	508.5	512.7	518.9	545.2	599.1	663.5	668.5	743.3	826.0	916.3
20°	560.7	551.9	544.4	537.7	541.5	585.8	660.6	666.0	748.7	839.4	947.6
22.5°	658.9	648.0	628.0	590.8	566.1	586.6	661.4	668.5	760.8	861.1	985.6
25°	818.9	808.5	765.4	689.4	624.2	616.7	672.7	680.2	788.8	894.1	1026.1
27.5°	1030.7	1007.3	955.1	846.1	720.3	664.7	706.5	714.9	828.5	919.6	1053.7
30°	1206.6	1201.2	1151.1	1017.4	852.7	735.3	744.5	749.1	846.5	935.1	1081.3
32.5°	1389.2	1377.9	1332.0	1202.0	1006.5	836.0	787.2	789.2	869.9	958.0	1121.4
35°	1548.0	1537.5	1499.1	1372.9	1186.2	971.4	857.8	853.2	918.3	1008.6	1175.7
37.5°	1695.1	1693.8	1660.0	1531.3	1347.4	1111.8	961.8	958.0	994.0	1064.2	1249.3
40°	1838.8	1835.4	1806.6	1689.2	1506.2	1251.8	1060.8	1051.2	1058.3	1141.9	1346.2
42.5°	1926.9	1934.0	1944.1	1869.7	1694.6	1416.0	1186.2	1180.3	1179.1	1263.5	1473.6
45°	1974.6	1987.1	2046.0	2039.3	1894.3	1620.3	1364.6	1349.5	1344.5	1430.6	1619.4
47.5°	2020.9	2026.4	2122.9	2163.4	2085.7	1833.3	1580.2	1559.3	1538.8	1634.5	1793.7
50°	2023.9	2032.6	2152.1	2250.7	2246.1	2043.1	1822.1	1803.7	1780.3	1882.7	1963.7
52.5°	1982.9	2000.5	2148.4	2305.9	2345.6	2228.2	2073.2	2058.1	2038.9	2115.4	2107.0
55°	1700.1	1729.7	2074.8	2310.9	2415.4	2386.9	2325.5	2304.6	2285.8	2340.2	2247.4
57.5°	1565.5	1582.2	1851.7	2307.1	2504.4	2534.0	2544.5	2534.9	2508.5	2576.2	2394.0
60°	1484.9	1509.1	1745.2	2265.4	2600.4	2700.3	2765.9	2746.7	2714.5	2807.7	2551.1
62.5°	1388.4	1405.9	1639.1	2145.0	2657.7	2869.5	2973.6	2956.0	2889.6	3021.2	2678.2
65°	1210.4	1236.7	1470.3	1955.8	2580.8	2993.6	3169.1	3163.2	3047.9	3182.5	2712.8
67.5°	985.2	1009.0	1226.7	1696.3	2356.0	2947.2	3279.8	3261.4	3119.8	3194.6	2603.0
70°	739.5	752.5	916.7	1296.0	1930.3	2699.5	3199.6	3195.8	3010.7	3014.9	2265.8
72.5°	396.9	432.9	609.6	867.4	1357.5	2186.4	2851.6	2836.5	2686.1	2469.3	1629.5
75°	138.7	149.2	324.6	487.2	737.4	1456.5	2192.7	2157.6	2008.8	1606.1	887.8
77.5°	85.2	93.6	144.1	249.0	287.0	632.1	1317.4	1271.8	1175.7	694.4	303.3
80°	58.9	66.4	96.5	130.4	97.8	204.7	606.2	589.1	453.3	165.5	69.8
82.5°	33.0	39.7	73.1	63.9	39.3	53.1	210.2	194.7	120.7	44.7	23.4
85°	19.2	23.0	51.4	45.1	20.1	18.8	54.7	48.9	31.3	16.7	11.3
87.5°	10.0	13.0	37.6	30.1	12.1	6.7	12.5	12.1	7.9	5.8	7.5
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°	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1	777.1
2.5°	783.0	780.9	791.7	795.5	794.7	793.0	797.2	791.7	791.3	790.1	788.8
5°	797.2	800.5	809.3	809.3	797.6	778.4	766.7	750.8	737.4	729.5	728.2
7.5°	818.5	825.2	831.0	813.1	772.9	725.3	674.8	635.1	600.4	582.4	580.8
10°	848.6	854.8	850.2	798.9	712.8	614.2	531.9	449.1	407.8	385.2	385.2
12.5°	884.5	889.5	861.5	763.3	613.8	470.9	361.0	274.1	232.7	206.0	204.3
15°	923.4	924.6	859.9	701.5	491.3	316.3	207.2	152.1	134.5	130.8	129.9
17.5°	957.2	952.2	842.3	610.0	353.9	188.4	131.6	119.1	115.7	115.7	115.7
20°	989.0	972.2	807.2	503.5	226.9	128.3	113.2	109.9	109.9	110.3	110.3
22.5°	1024.1	991.0	757.1	385.2	145.8	109.9	106.1	104.5	104.0	105.3	104.9
25°	1065.4	1009.4	685.2	266.1	112.8	102.4	100.7	99.0	99.0	99.0	99.0
27.5°	1088.4	1006.9	603.3	168.0	98.6	94.8	93.2	91.5	90.2	89.8	90.2
30°	1108.4	992.3	496.4	117.4	89.0	84.8	83.6	81.5	79.0	78.1	78.1
32.5°	1134.8	980.2	384.4	94.4	80.6	76.0	72.3	68.9	64.8	63.1	62.7
35°	1164.0	958.0	281.6	83.1	73.1	67.3	61.4	56.0	50.6	48.9	48.5
37.5°	1200.4	938.0	190.9	76.9	66.8	59.7	51.8	44.3	39.3	38.4	38.4
40°	1249.7	921.3	132.0	71.4	61.0	52.6	43.0	35.1	31.8	30.9	30.9
42.5°	1316.9	907.5	99.9	66.8	56.0	45.5	34.7	28.8	26.3	25.5	25.5
45°	1396.3	886.2	84.4	62.7	51.0	38.4	28.8	24.2	23.0	23.0	23.0
47.5°	1487.4	859.4	76.9	58.5	45.5	31.3	24.2	22.1	21.7	21.7	22.1
50°	1579.3	827.7	71.4	53.5	39.3	26.7	22.1	20.9	20.9	21.3	21.3
52.5°	1641.6	778.0	66.0	48.0	33.0	23.4	20.9	20.5	20.1	20.1	20.1
55°	1702.2	734.5	58.5	42.2	27.6	21.7	20.1	19.6	19.6	19.2	19.2
57.5°	1765.2	700.2	48.9	35.1	23.4	20.5	19.2	19.2	18.4	18.0	18.0
60°	1838.4	670.2	37.6	27.6	20.5	19.2	18.0	17.5	16.7	15.9	15.9
62.5°	1859.7	606.7	28.4	22.1	17.5	16.7	16.3	15.5	13.4	11.7	12.1
65°	1804.1	506.8	22.6	17.5	14.2	14.2	13.0	10.9	8.8	7.5	7.5
67.5°	1650.8	378.5	18.4	13.8	11.3	10.9	9.2	7.9	5.4	4.6	4.6
70°	1360.4	250.3	15.0	10.9	9.2	7.5	6.3	5.8	4.2	3.3	3.3
72.5°	953.4	135.8	12.5	8.8	6.7	5.0	4.2	3.8	2.9	2.5	2.1
75°	503.5	52.2	10.0	6.7	4.2	3.3	2.5	2.5	2.1	1.7	1.7
77.5°	172.6	22.1	7.1	3.8	2.9	2.1	1.7	1.3	1.7	1.3	1.3
80°	40.9	13.0	4.6	2.5	1.7	1.3	1.3	0.8	0.8	0.8	0.8
82.5°	18.0	7.5	2.9	1.7	1.7	1.3	0.8	0.4	0.4	0.4	0.4
85°	12.1	4.6	2.1	1.7	1.3	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.6	2.9	1.7	1.7	1.3	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)