

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: P674948

Luminaire Tested: **CCW-SA-1D-727-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674948
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-727-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T3 distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

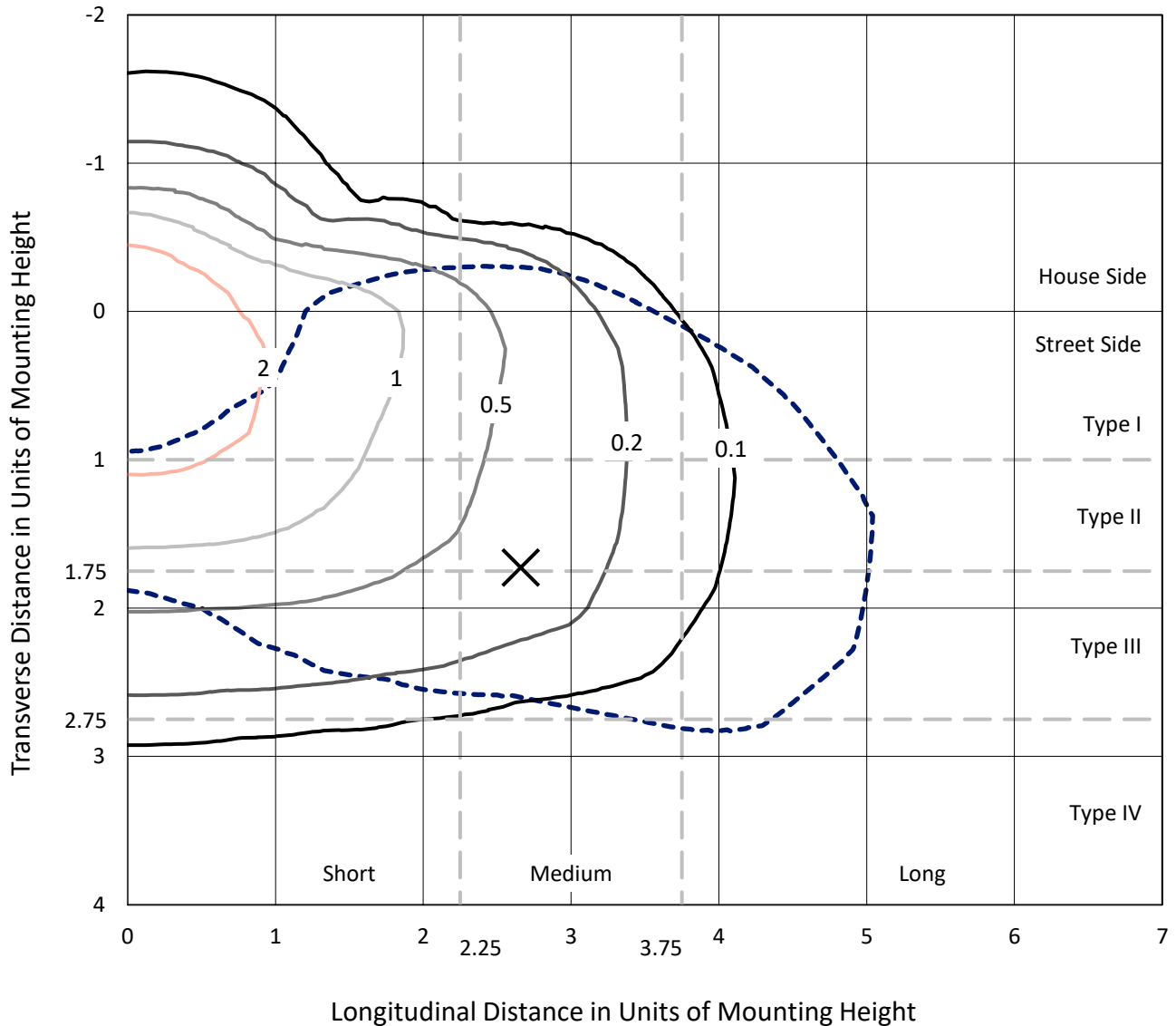
Lumens per Lamp: N/A
Luminaire Lumens: 4712.4 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

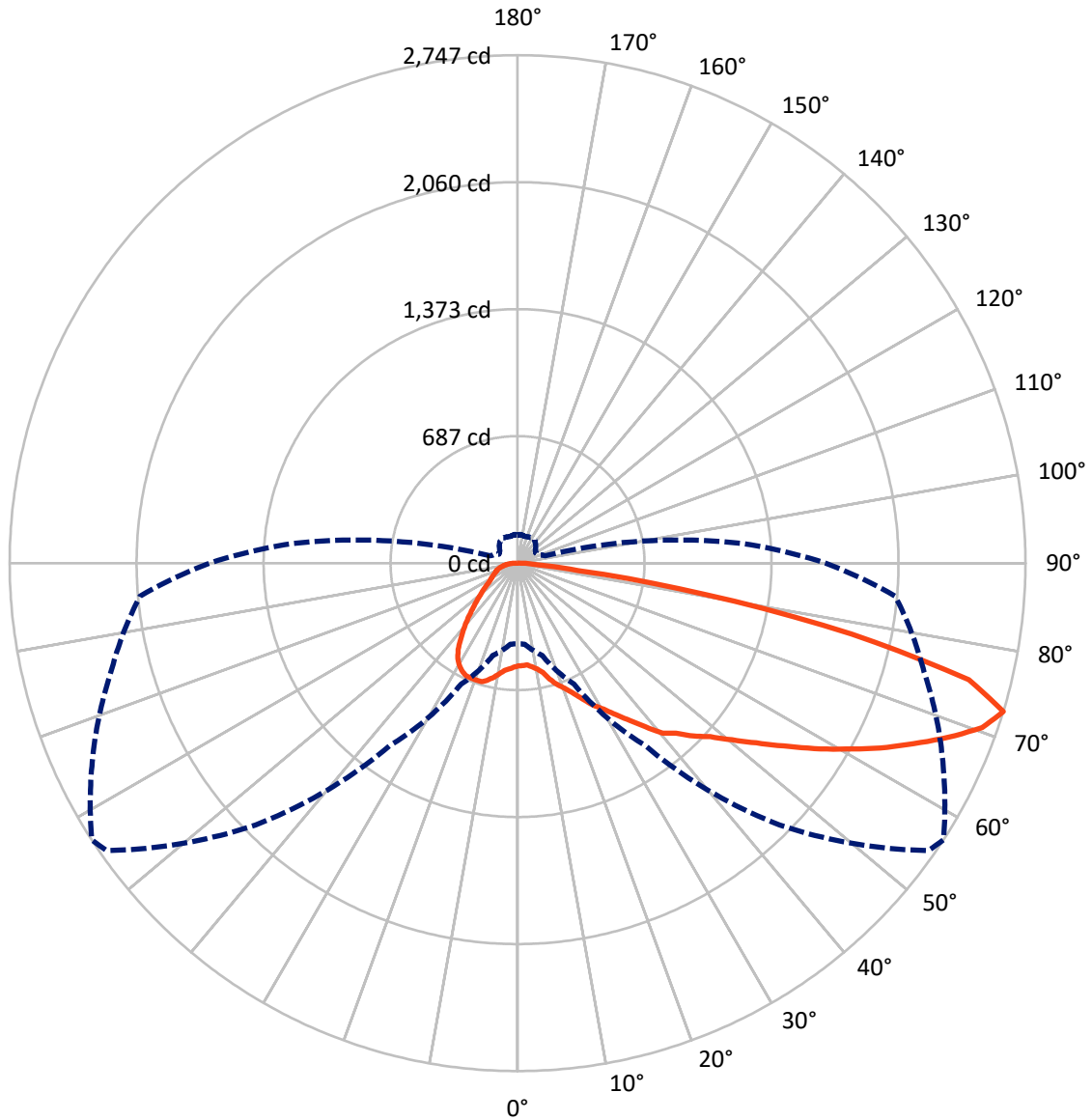
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1100.5	0.0	1100.5
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3611.9	0.0	3611.9
	% Fixture	76.6	0.0	76.6
Total	Lumens	4712.4	0.0	4712.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	1.2
10°-20°	186.1	3.9
20°-30°	340.1	7.2
30°-40°	499.0	10.6
40°-50°	687.1	14.6
50°-60°	942.2	20.0
60°-70°	1135.8	24.1
70°-80°	756.6	16.1
80°-90°	110.2	2.3
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°	4712.4	100.0
0°-180°	4712.4	100.0

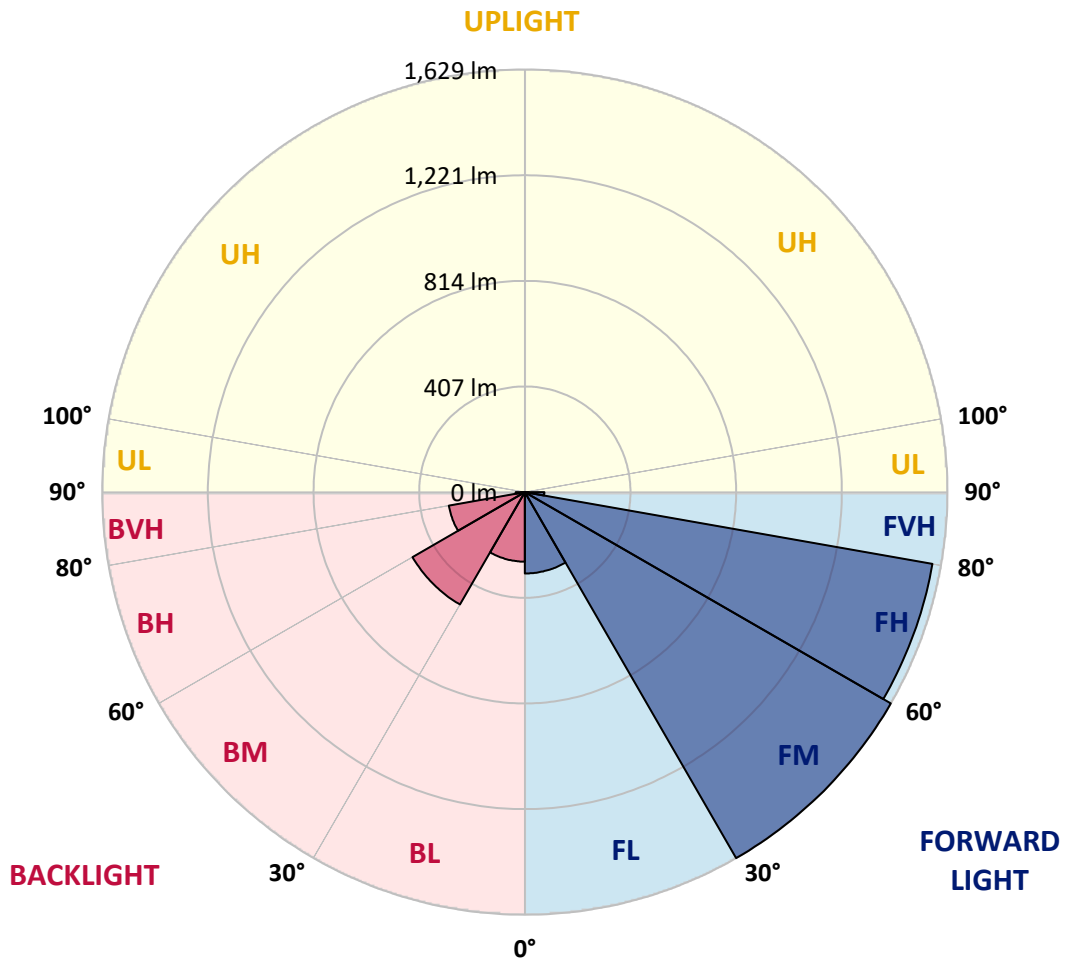


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	313.5	6.7			
FM (30°-60°)	1628.5	34.6			
FH (60°-80°)	1594.8	33.8			G1/1800
FVH (80°-90°)	75.0	1.6			G1/100
BL (0°-30°)	267.9	5.7	B1/500		
BM (30°-60°)	499.9	10.6	B1/1000		
BH (60°-80°)	297.6	6.3	B1/500		G1/500
BVH (80°-90°)	35.2	0.7			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2
2.5°	545.9	547.6	551.1	549.3	549.3	544.2	552.8	554.5	551.1	552.8	556.2
5°	545.9	549.3	554.5	551.1	552.8	551.1	547.6	552.8	552.8	554.5	559.6
7.5°	575.1	573.4	573.4	568.2	566.5	564.8	566.5	566.5	563.1	564.8	564.8
10°	607.7	607.7	604.3	604.3	600.8	592.3	583.7	582.0	576.8	578.5	578.5
12.5°	642.0	645.5	648.9	638.6	635.2	621.4	616.3	606.0	606.0	602.6	600.8
15°	685.0	679.8	683.2	679.8	671.2	657.5	648.9	650.6	638.6	635.2	630.0
17.5°	722.7	724.4	719.3	715.9	700.4	690.1	691.8	690.1	674.7	669.5	660.9
20°	767.4	765.6	765.6	755.3	741.6	727.9	722.7	721.0	724.4	714.1	693.5
22.5°	813.7	806.9	806.9	798.3	779.4	770.8	767.4	760.5	763.9	755.3	724.4
25°	851.5	851.5	863.5	846.3	836.0	818.9	812.0	813.7	815.4	798.3	762.2
27.5°	901.3	892.7	904.7	896.1	891.0	872.1	863.5	868.7	865.2	846.3	796.6
30°	964.8	966.5	959.6	947.6	940.8	927.0	921.9	916.7	921.9	897.8	834.3
32.5°	1043.8	1048.9	1031.7	1018.0	1006.0	992.3	982.0	976.8	982.0	945.9	863.5
35°	1134.7	1139.9	1126.2	1110.7	1097.0	1062.6	1054.1	1045.5	1026.6	968.2	891.0
37.5°	1218.9	1212.0	1208.6	1208.6	1182.8	1133.0	1127.9	1122.7	1086.7	1012.9	928.7
40°	1275.5	1284.1	1280.7	1277.2	1273.8	1227.4	1217.1	1208.6	1148.5	1079.8	982.0
42.5°	1339.0	1333.9	1347.6	1352.8	1340.7	1327.0	1285.8	1256.6	1203.4	1148.5	1060.9
45°	1414.6	1411.1	1416.3	1435.2	1418.0	1423.1	1354.5	1333.9	1266.9	1234.3	1160.5
47.5°	1481.5	1490.1	1515.8	1521.0	1507.3	1531.3	1435.2	1402.5	1359.6	1333.9	1263.5
50°	1510.7	1521.0	1579.4	1615.4	1617.1	1654.9	1515.8	1502.1	1443.7	1454.0	1392.2
52.5°	1486.7	1519.3	1589.7	1684.1	1742.5	1780.2	1622.3	1615.4	1562.2	1594.8	1533.0
55°	1509.0	1539.9	1586.2	1718.4	1866.1	1874.6	1769.9	1744.2	1691.0	1735.6	1678.9
57.5°	1519.3	1502.1	1589.7	1756.2	1957.0	1979.4	1910.7	1891.8	1850.6	1893.5	1860.9
60°	1438.6	1459.2	1541.6	1745.9	1962.2	2090.9	2068.6	2041.2	2003.4	2042.9	2024.0
62.5°	1347.6	1361.3	1450.6	1684.1	1991.4	2171.6	2221.4	2200.8	2147.6	2181.9	2214.5
65°	1232.6	1234.3	1333.9	1574.2	1934.7	2218.0	2355.3	2353.6	2315.8	2307.2	2358.8
67.5°	1091.8	1105.6	1184.5	1457.5	1857.5	2269.5	2487.5	2513.3	2437.7	2370.8	2389.7
70°	837.8	851.5	927.0	1194.8	1699.5	2254.0	2650.6	2664.3	2516.7	2346.7	2298.7
72.5°	436.0	439.5	516.7	721.0	1205.1	2001.7	2710.7	2746.7	2537.3	2276.3	2049.7
75°	144.2	144.2	176.8	274.7	568.2	1280.7	2454.9	2520.1	2436.0	2101.2	1677.2
77.5°	85.8	87.6	104.7	137.3	226.6	511.6	1730.4	1845.5	1993.1	1787.1	1225.7
80°	61.8	63.5	79.0	94.4	135.6	164.8	868.7	1028.3	1224.0	1150.2	654.1
82.5°	46.4	46.4	61.8	70.4	92.7	97.9	242.1	331.3	528.7	412.0	180.3
85°	48.1	48.1	48.1	49.8	63.5	56.7	101.3	108.2	154.5	135.6	49.8
87.5°	17.2	18.9	48.1	32.6	32.6	24.0	39.5	42.9	54.9	56.7	18.9
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°	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2
2.5°	557.9	557.9	559.6	559.6	563.1	566.5	571.7	568.2	568.2	569.9	568.2
5°	556.2	557.9	563.1	571.7	575.1	576.8	587.1	587.1	587.1	590.5	590.5
7.5°	563.1	566.5	575.1	583.7	585.4	590.5	604.3	607.7	616.3	619.7	621.4
10°	580.2	585.4	592.3	602.6	609.4	616.3	626.6	638.6	636.9	647.2	648.9
12.5°	606.0	604.3	616.3	626.6	633.5	643.8	647.2	647.2	647.2	647.2	650.6
15°	626.6	630.0	640.3	647.2	655.8	654.1	647.2	640.3	642.0	640.3	640.3
17.5°	657.5	657.5	666.1	667.8	671.2	654.1	643.8	643.8	648.9	648.9	645.5
20°	688.4	686.7	690.1	688.4	666.1	645.5	643.8	645.5	647.2	645.5	643.8
22.5°	717.6	714.1	709.0	702.1	662.6	643.8	640.3	631.7	623.2	623.2	618.0
25°	743.3	739.9	726.2	705.6	660.9	633.5	616.3	595.7	585.4	580.2	587.1
27.5°	767.4	760.5	741.6	705.6	645.5	606.0	573.4	547.6	539.0	532.2	539.0
30°	800.0	788.0	762.2	700.4	621.4	563.1	518.4	487.5	479.0	468.7	472.1
32.5°	829.2	801.7	779.4	685.0	590.5	515.0	463.5	432.6	417.2	408.6	415.4
35°	860.1	832.6	786.3	660.9	542.5	456.6	405.1	376.0	363.9	351.9	351.9
37.5°	891.0	875.5	796.6	616.3	484.1	401.7	355.4	333.0	312.4	290.1	290.1
40°	956.2	935.6	808.6	564.8	425.7	348.5	315.9	286.7	266.1	235.2	233.5
42.5°	1024.9	980.2	808.6	503.0	374.2	310.7	279.8	248.9	211.2	192.3	194.0
45°	1112.4	1060.9	786.3	448.1	322.7	279.8	245.5	206.0	188.8	176.8	176.8
47.5°	1222.3	1141.6	758.8	388.0	281.5	252.4	209.4	185.4	173.4	163.1	161.4
50°	1352.8	1215.4	724.4	336.5	247.2	226.6	190.6	171.7	161.4	154.5	154.5
52.5°	1490.1	1323.6	700.4	290.1	219.7	192.3	176.8	164.8	156.2	151.1	149.4
55°	1629.2	1431.7	683.2	240.3	194.0	176.8	173.4	163.1	159.7	154.5	151.1
57.5°	1785.4	1521.0	679.8	206.0	173.4	170.0	176.8	168.2	163.1	157.9	152.8
60°	1953.6	1641.2	648.9	178.5	163.1	166.5	171.7	163.1	159.7	154.5	151.1
62.5°	2120.1	1730.4	564.8	157.9	152.8	156.2	163.1	156.2	151.1	152.8	154.5
65°	2188.8	1737.3	437.8	142.5	140.8	142.5	152.8	151.1	145.9	156.2	156.2
67.5°	2120.1	1675.5	309.0	128.8	128.8	137.3	154.5	157.9	152.8	166.5	164.8
70°	1963.9	1522.7	209.4	120.2	123.6	145.9	159.7	156.2	149.4	166.5	163.1
72.5°	1666.9	1218.9	152.8	111.6	116.7	139.1	157.9	154.5	149.4	156.2	149.4
75°	1251.5	866.9	120.2	101.3	103.0	125.3	163.1	154.5	140.8	137.3	132.2
77.5°	836.0	535.6	92.7	89.3	89.3	109.9	156.2	144.2	127.0	121.9	120.2
80°	398.3	214.6	73.8	75.5	77.3	94.4	142.5	128.8	115.0	108.2	108.2
82.5°	127.0	80.7	61.8	61.8	61.8	77.3	118.5	108.2	99.6	94.4	85.8
85°	44.6	44.6	53.2	54.9	49.8	56.7	97.9	92.7	82.4	68.7	67.0
87.5°	17.2	25.8	36.1	42.9	30.9	39.5	70.4	65.2	60.1	44.6	42.9
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)