

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: P675117

Luminaire Tested: **CCW-SA-2A-735-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675117
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-735-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T4FT distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

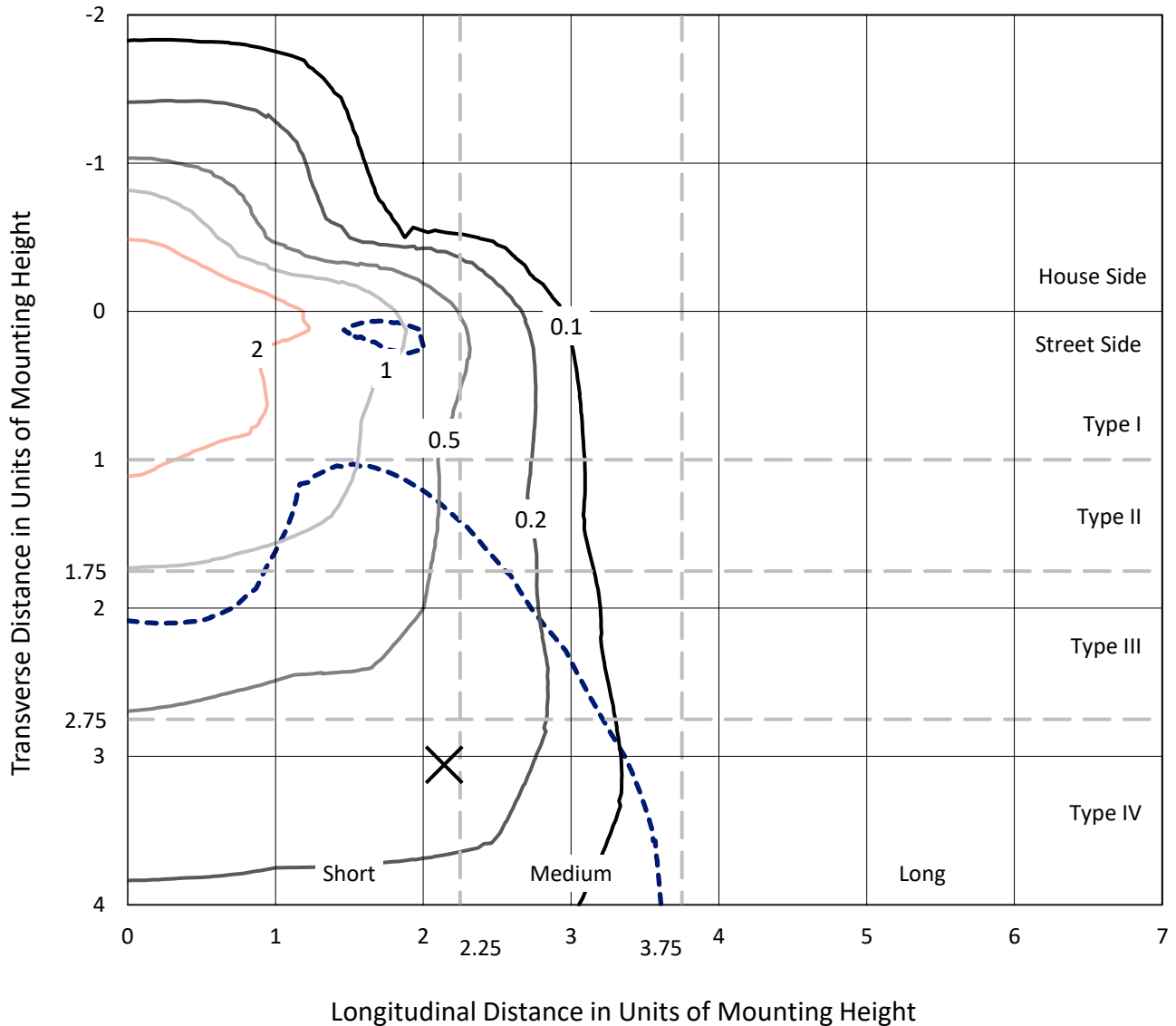
Lumens per Lamp: N/A
Luminaire Lumens: 5393.3 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

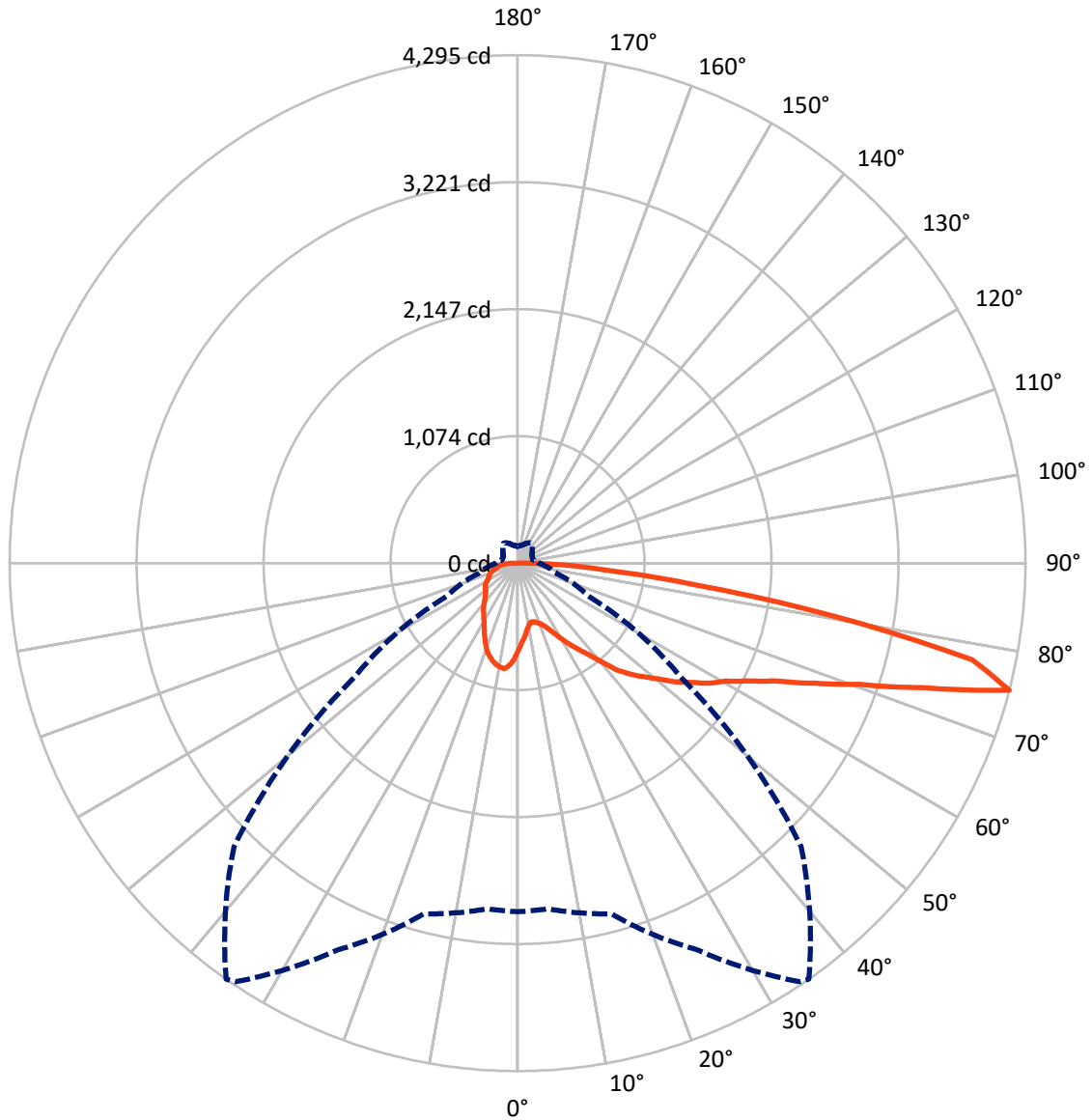
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1239.5	0.0	1239.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	4153.8	0.0	4153.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	5393.3	0.0	5393.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	1.3
10°-20°	204.3	3.8
20°-30°	339.1	6.3
30°-40°	502.6	9.3
40°-50°	724.7	13.4
50°-60°	996.6	18.5
60°-70°	1231.0	22.8
70°-80°	1126.2	20.9
80°-90°	198.3	3.7
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°	5393.3	100.0
0°-180°	5393.3	100.0



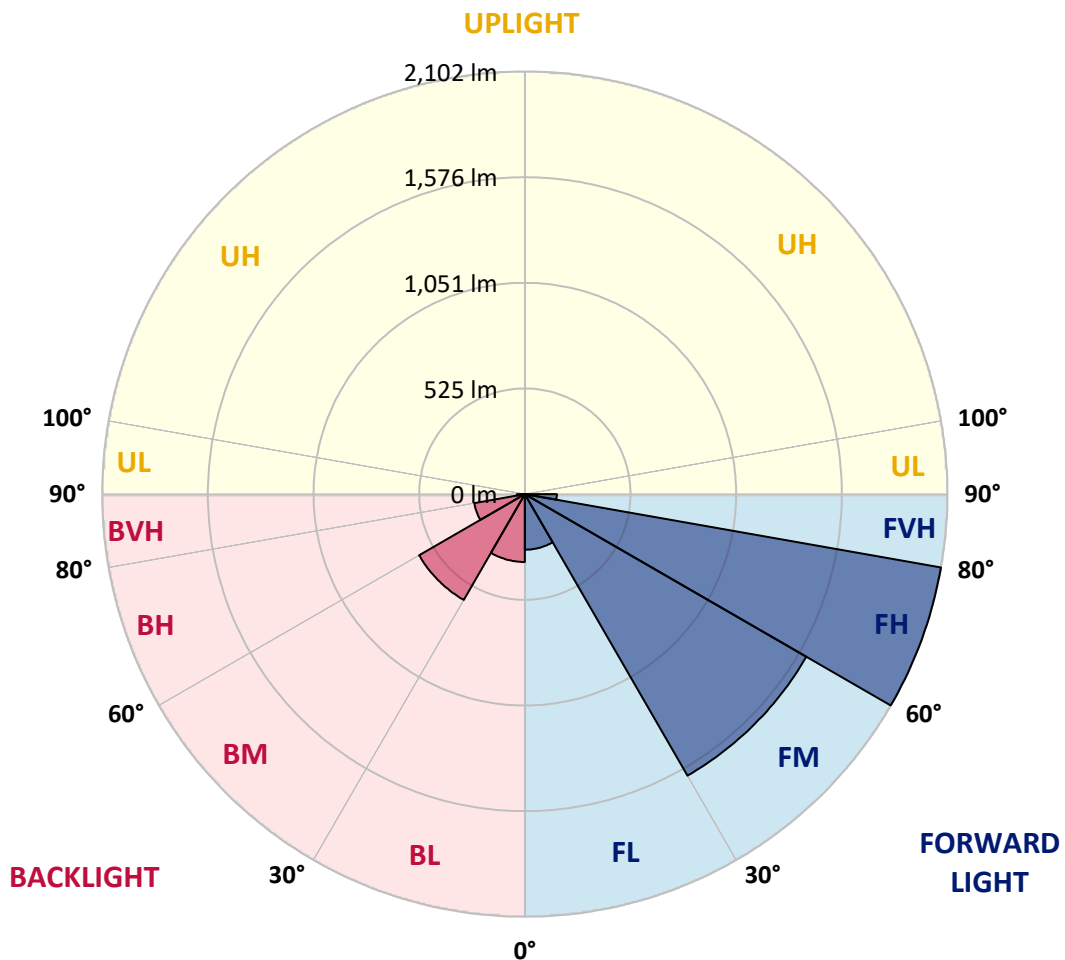
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.4	5.1			
FM (30°-60°)	1616.6	30.0			
FH (60°-80°)	2101.7	39.0			G2/5000
FVH (80°-90°)	159.1	3.0			G2/225
BL (0°-30°)	337.4	6.3	B1/500		
BM (30°-60°)	607.4	11.3	B1/1000		
BH (60°-80°)	255.6	4.7	B1/500		G1/500
BVH (80°-90°)	39.2	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	738.9	738.9	738.9	738.9	738.9	738.9	738.9	738.9	738.9	738.9	738.9
2.5°	669.4	663.4	669.4	673.4	673.4	673.4	679.3	697.2	709.1	717.1	731.0
5°	599.9	601.9	605.8	615.8	621.7	625.7	635.6	657.5	675.4	701.2	731.0
7.5°	538.3	542.3	548.2	558.2	572.1	570.1	591.9	621.7	655.5	689.3	733.0
10°	506.5	514.5	516.4	518.4	532.3	532.3	562.1	595.9	637.6	681.3	733.0
12.5°	512.5	512.5	506.5	504.5	512.5	510.5	536.3	576.0	621.7	683.3	740.9
15°	530.4	530.4	518.4	506.5	518.4	514.5	536.3	568.1	621.7	685.3	756.8
17.5°	554.2	556.2	542.3	522.4	526.4	528.4	544.3	574.1	621.7	689.3	778.6
20°	601.9	591.9	570.1	538.3	552.2	546.2	570.1	595.9	633.6	705.2	810.4
22.5°	643.6	643.6	601.9	574.1	576.0	576.0	597.9	619.7	651.5	727.0	834.3
25°	711.1	707.1	655.5	613.8	617.8	619.7	631.7	657.5	681.3	738.9	864.1
27.5°	796.5	786.6	734.9	687.3	671.4	677.3	683.3	703.2	709.1	758.8	899.8
30°	887.9	874.0	830.3	754.8	746.9	748.9	738.9	750.8	742.9	790.6	935.6
32.5°	945.5	945.5	903.8	848.2	826.3	826.3	792.5	800.5	800.5	820.4	999.1
35°	995.2	991.2	963.4	921.7	907.8	899.8	866.0	878.0	858.1	878.0	1088.5
37.5°	1070.6	1058.7	1046.8	1019.0	991.2	985.2	967.3	975.3	947.5	937.6	1189.8
40°	1158.0	1152.1	1140.2	1128.2	1100.4	1098.4	1078.6	1086.5	1056.7	1019.0	1291.1
42.5°	1287.1	1269.3	1231.5	1221.6	1227.6	1235.5	1227.6	1213.7	1160.0	1112.4	1400.4
45°	1416.3	1388.5	1316.9	1301.1	1346.7	1340.8	1374.5	1368.6	1281.2	1205.7	1515.6
47.5°	1499.7	1475.9	1418.2	1408.3	1428.2	1436.1	1537.4	1519.6	1380.5	1291.1	1626.8
50°	1559.3	1561.3	1485.8	1511.6	1537.4	1537.4	1664.6	1662.6	1501.7	1396.4	1771.8
52.5°	1646.7	1618.9	1587.1	1610.9	1646.7	1666.5	1823.5	1779.8	1577.2	1485.8	1934.7
55°	1692.4	1680.4	1652.6	1694.3	1769.8	1779.8	1946.6	1912.8	1662.6	1591.1	2101.5
57.5°	1710.2	1720.2	1765.9	1783.7	1889.0	1914.8	2057.8	2010.2	1742.0	1722.2	2230.7
60°	1789.7	1775.8	1837.4	1908.9	2010.2	2024.1	2196.9	2093.6	1819.5	1807.6	2272.4
62.5°	1950.6	1914.8	1948.6	2034.0	2175.0	2192.9	2343.9	2204.8	1853.3	1865.2	2270.4
65°	2185.0	2159.2	2109.5	2177.0	2375.7	2401.5	2516.7	2300.2	1843.3	1845.3	2109.5
67.5°	2461.1	2419.4	2367.7	2409.4	2651.8	2711.4	2727.2	2341.9	1773.8	1734.1	1716.2
70°	2703.4	2675.6	2641.8	2713.3	3051.0	3072.9	2989.4	2316.1	1581.1	1392.4	1144.1
72.5°	2929.9	2915.9	2935.8	3204.0	3591.3	3605.2	3235.7	2153.2	1249.4	844.2	532.3
75°	2947.7	2933.8	3070.9	3609.2	4268.6	4294.5	3388.7	1688.4	659.5	343.6	224.5
77.5°	1996.3	2038.0	2294.2	3160.3	3921.0	3927.0	2770.9	784.6	272.1	202.6	156.9
80°	490.6	544.3	864.1	1634.8	2643.8	2709.4	1517.6	264.2	178.8	154.9	117.2
82.5°	178.8	194.7	351.6	738.9	1485.8	1511.6	530.4	143.0	129.1	119.2	85.4
85°	85.4	87.4	166.9	363.5	750.8	742.9	190.7	85.4	93.4	81.4	51.6
87.5°	35.8	35.8	73.5	168.8	331.7	321.8	61.6	39.7	53.6	47.7	25.8
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°	738.9	738.9	738.9	738.9	738.9	738.9	738.9	738.9	738.9	738.9	738.9
2.5°	740.9	744.9	760.8	772.7	784.6	794.5	810.4	810.4	820.4	820.4	820.4
5°	738.9	760.8	786.6	814.4	832.3	850.2	866.0	868.0	874.0	881.9	883.9
7.5°	746.9	768.7	810.4	850.2	872.0	879.9	899.8	893.9	893.9	893.9	899.8
10°	762.8	786.6	844.2	879.9	895.8	897.8	891.9	887.9	876.0	872.0	866.0
12.5°	774.7	816.4	874.0	901.8	895.8	889.9	876.0	856.1	842.2	838.2	838.2
15°	804.5	846.2	899.8	909.7	899.8	868.0	850.2	828.3	816.4	798.5	806.5
17.5°	830.3	878.0	925.6	913.7	893.9	844.2	818.4	786.6	770.7	750.8	750.8
20°	864.1	907.8	949.5	917.7	874.0	820.4	778.6	738.9	717.1	697.2	701.2
22.5°	901.8	941.5	963.4	901.8	844.2	782.6	725.0	687.3	659.5	647.5	651.5
25°	931.6	975.3	971.3	876.0	808.4	734.9	671.4	635.6	629.7	617.8	617.8
27.5°	969.3	1015.0	965.4	844.2	748.9	659.5	619.7	605.8	605.8	599.9	603.8
30°	1019.0	1050.8	951.5	798.5	673.4	591.9	572.1	580.0	593.9	588.0	589.9
32.5°	1100.4	1096.5	939.5	746.9	593.9	526.4	540.3	556.2	568.1	574.1	578.0
35°	1179.9	1154.1	925.6	677.3	520.4	494.6	506.5	524.4	546.2	552.2	554.2
37.5°	1259.3	1213.7	901.8	591.9	474.7	466.8	478.7	488.6	506.5	510.5	514.5
40°	1342.8	1253.4	860.1	508.5	437.0	437.0	444.9	446.9	456.9	462.8	466.8
42.5°	1416.3	1291.1	784.6	431.0	397.3	411.2	413.2	409.2	401.2	405.2	407.2
45°	1505.6	1332.8	697.2	375.4	367.5	385.4	389.3	373.4	359.5	351.6	347.6
47.5°	1593.0	1376.5	621.7	329.7	339.7	367.5	367.5	349.6	325.8	305.9	298.0
50°	1672.5	1420.2	560.1	301.9	311.9	353.6	357.5	323.8	298.0	274.1	270.1
52.5°	1805.6	1493.7	496.6	280.1	296.0	343.6	341.7	311.9	278.1	252.3	250.3
55°	1922.8	1567.2	413.2	258.2	280.1	329.7	335.7	299.9	254.3	230.4	226.4
57.5°	2008.2	1585.1	329.7	236.4	264.2	313.8	321.8	276.1	238.4	218.5	216.5
60°	2024.1	1515.6	268.2	218.5	242.3	292.0	298.0	262.2	226.4	210.6	206.6
62.5°	1950.6	1382.5	228.4	202.6	224.5	270.1	282.1	246.3	214.5	200.6	198.6
65°	1783.7	1187.8	200.6	188.7	212.5	254.3	268.2	234.4	204.6	192.7	190.7
67.5°	1412.3	911.7	178.8	178.8	196.6	238.4	258.2	226.4	194.7	186.7	184.7
70°	923.6	548.2	162.9	164.9	184.7	224.5	246.3	216.5	182.7	180.8	176.8
72.5°	397.3	252.3	145.0	151.0	166.9	200.6	228.4	202.6	168.8	162.9	156.9
75°	182.7	152.9	131.1	135.1	149.0	176.8	206.6	186.7	156.9	147.0	141.0
77.5°	129.1	111.2	109.2	117.2	127.1	152.9	182.7	174.8	145.0	137.1	133.1
80°	95.3	85.4	91.4	99.3	105.3	141.0	172.8	160.9	133.1	121.2	115.2
82.5°	67.5	63.6	71.5	79.5	85.4	123.2	158.9	141.0	111.2	101.3	91.4
85°	39.7	41.7	49.7	53.6	59.6	91.4	133.1	113.2	85.4	65.5	63.6
87.5°	17.9	17.9	23.8	25.8	29.8	53.6	89.4	71.5	53.6	41.7	39.7
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)