

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: P675180

Luminaire Tested: **CCW-SA-1D-835-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675180
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-835-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T4FT distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

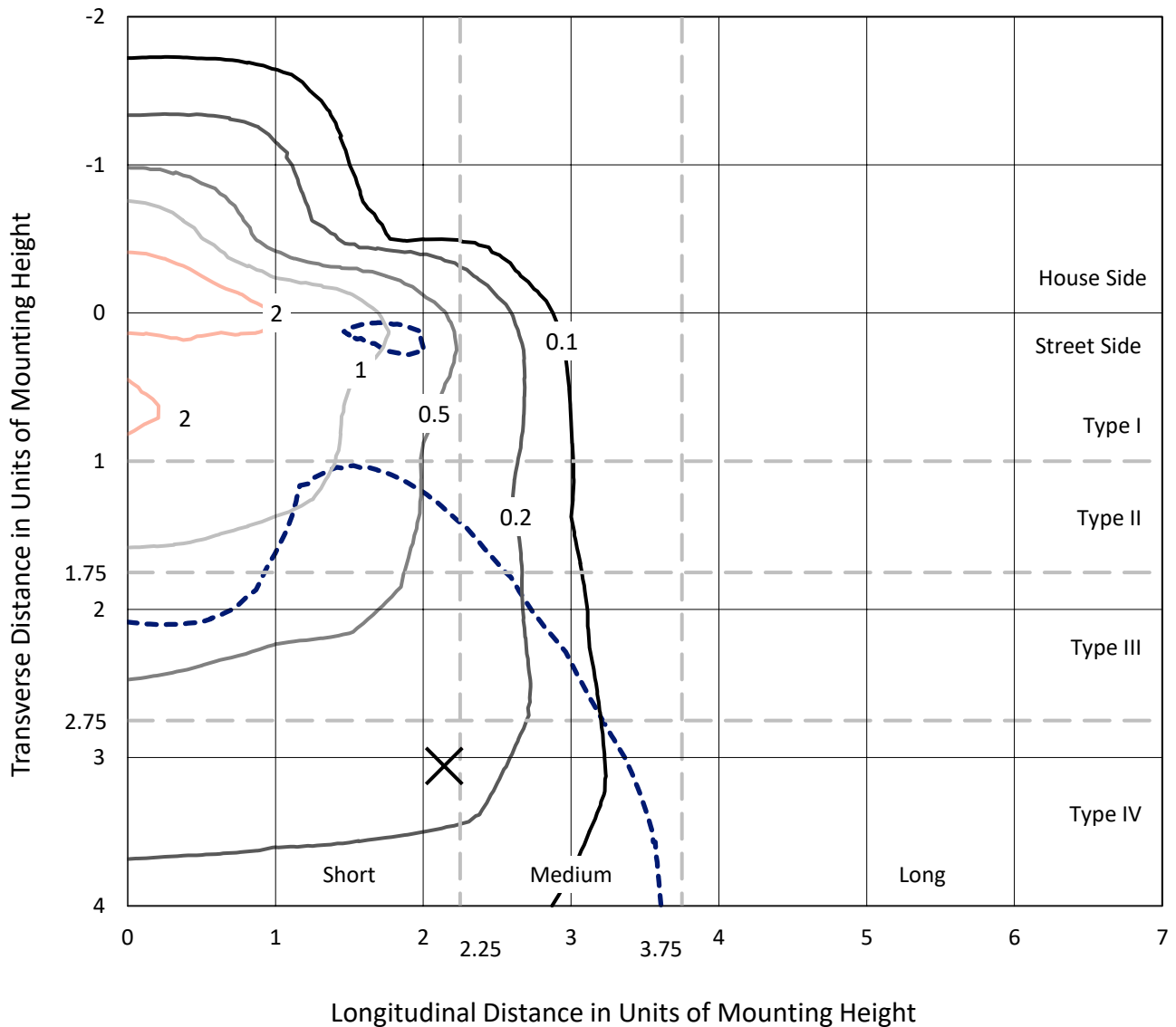
Lumens per Lamp: N/A
Luminaire Lumens: 4592.5 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

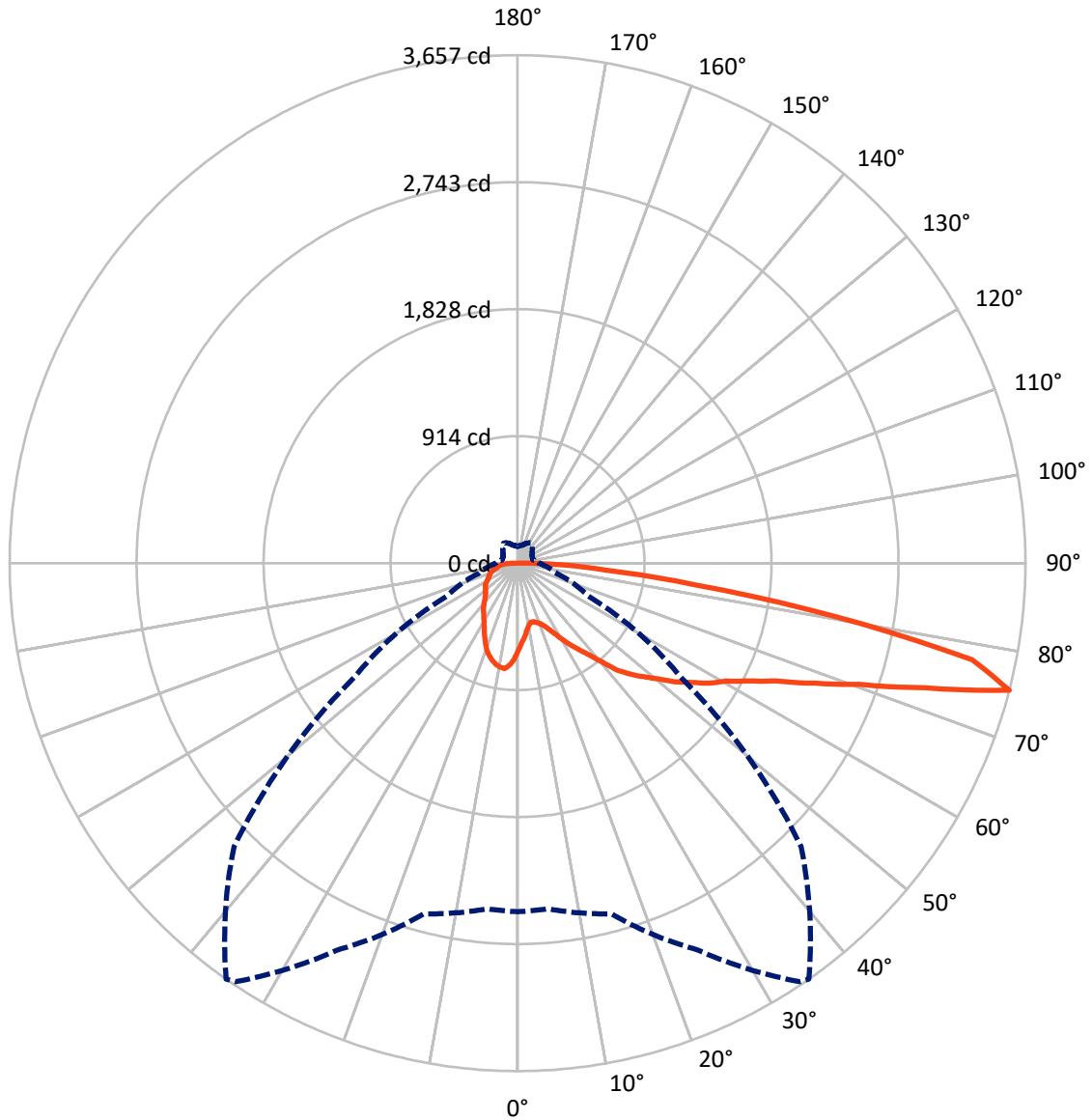
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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	1055.5	0.0	1055.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3537.0	0.0	3537.0
	% Fixture	77.0	0.0	77.0
Total	Lumens	4592.5	0.0	4592.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	1.3
10°-20°	174.0	3.8
20°-30°	288.7	6.3
30°-40°	428.0	9.3
40°-50°	617.1	13.4
50°-60°	848.6	18.5
60°-70°	1048.3	22.8
70°-80°	959.0	20.9
80°-90°	168.8	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°	4592.5	100.0
0°-180°	4592.5	100.0



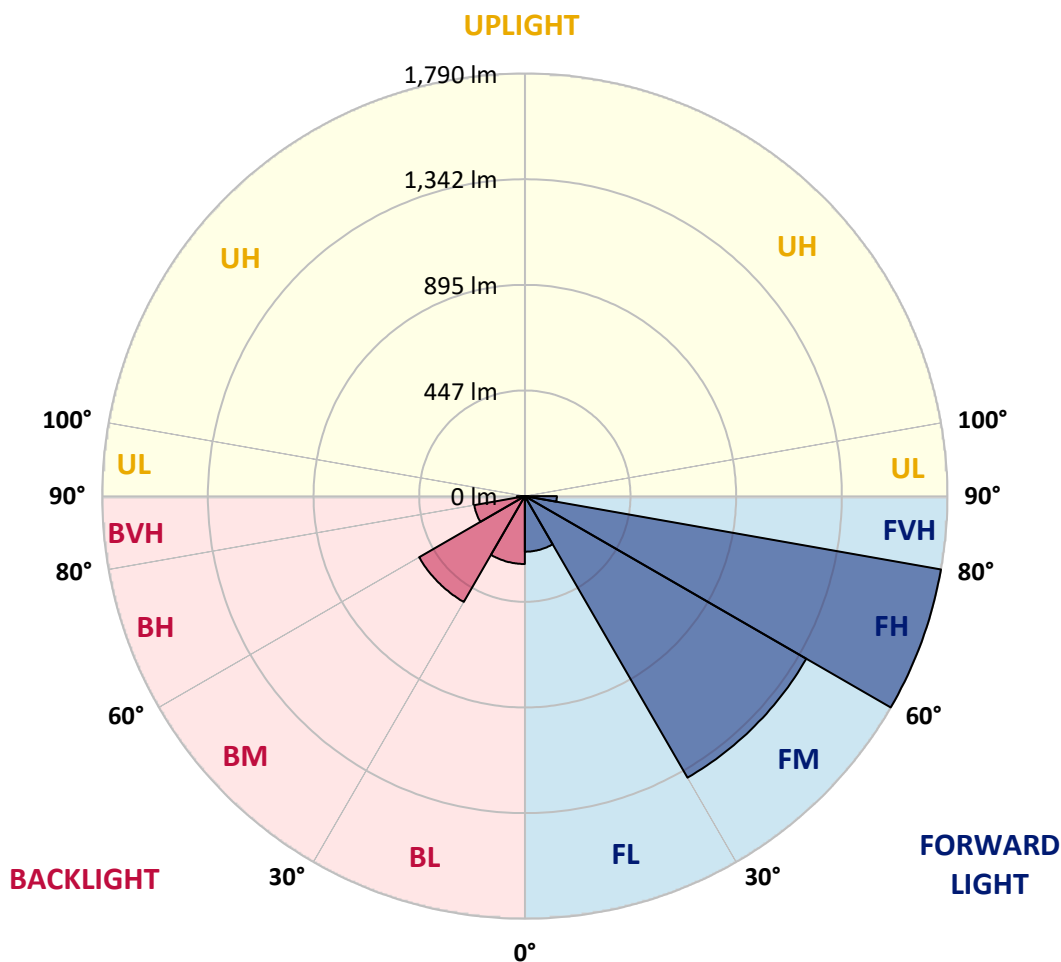
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.4	5.1			
FM (30°-60°)	1376.5	30.0			
FH (60°-80°)	1789.6	39.0			G1/1800
FVH (80°-90°)	135.5	3.0			G2/225
BL (0°-30°)	287.3	6.3	B1/500		
BM (30°-60°)	517.2	11.3	B1/1000		
BH (60°-80°)	217.6	4.7	B1/500		G1/500
BVH (80°-90°)	33.3	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°	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2
2.5°	570.0	564.9	570.0	573.4	573.4	573.4	578.5	593.7	603.8	610.6	622.4
5°	510.8	512.5	515.9	524.3	529.4	532.8	541.2	559.9	575.1	597.1	622.4
7.5°	458.4	461.8	466.8	475.3	487.1	485.4	504.0	529.4	558.2	586.9	624.1
10°	431.3	438.1	439.8	441.5	453.3	453.3	478.7	507.4	542.9	580.2	624.1
12.5°	436.4	436.4	431.3	429.6	436.4	434.7	456.7	490.5	529.4	581.8	630.9
15°	451.6	451.6	441.5	431.3	441.5	438.1	456.7	483.7	529.4	583.5	644.4
17.5°	471.9	473.6	461.8	444.8	448.2	449.9	463.4	488.8	529.4	586.9	663.0
20°	512.5	504.0	485.4	458.4	470.2	465.1	485.4	507.4	539.6	600.4	690.1
22.5°	548.0	548.0	512.5	488.8	490.5	490.5	509.1	527.7	554.8	619.1	710.4
25°	605.5	602.1	558.2	522.6	526.0	527.7	537.9	559.9	580.2	629.2	735.8
27.5°	678.3	669.8	625.8	585.2	571.7	576.8	581.8	598.8	603.8	646.1	766.2
30°	756.1	744.2	707.0	642.7	636.0	637.7	629.2	639.4	632.6	673.2	796.7
32.5°	805.1	805.1	769.6	722.2	703.6	703.6	674.9	681.6	681.6	698.6	850.8
35°	847.4	844.0	820.3	784.8	773.0	766.2	737.5	747.6	730.7	747.6	926.9
37.5°	911.7	901.5	891.4	867.7	844.0	838.9	823.7	830.5	806.8	798.3	1013.2
40°	986.1	981.0	970.9	960.7	937.0	935.3	918.4	925.2	899.8	867.7	1099.4
42.5°	1096.0	1080.8	1048.7	1040.2	1045.3	1052.1	1045.3	1033.4	987.8	947.2	1192.4
45°	1206.0	1182.3	1121.4	1107.9	1146.8	1141.7	1170.5	1165.4	1091.0	1026.7	1290.5
47.5°	1277.0	1256.7	1207.7	1199.2	1216.1	1222.9	1309.1	1293.9	1175.5	1099.4	1385.3
50°	1327.8	1329.4	1265.2	1287.2	1309.1	1309.1	1417.4	1415.7	1278.7	1189.1	1508.7
52.5°	1402.2	1378.5	1351.4	1371.7	1402.2	1419.1	1552.7	1515.5	1343.0	1265.2	1647.4
55°	1441.1	1430.9	1407.2	1442.8	1507.0	1515.5	1657.6	1628.8	1415.7	1354.8	1789.5
57.5°	1456.3	1464.8	1503.7	1518.9	1608.5	1630.5	1752.3	1711.7	1483.4	1466.4	1899.4
60°	1524.0	1512.1	1564.5	1625.4	1711.7	1723.5	1870.7	1782.7	1549.3	1539.2	1935.0
62.5°	1661.0	1630.5	1659.3	1732.0	1852.1	1867.3	1995.9	1877.5	1578.1	1588.2	1933.3
65°	1860.5	1838.6	1796.3	1853.8	2022.9	2044.9	2143.0	1958.6	1569.6	1571.3	1796.3
67.5°	2095.7	2060.1	2016.2	2051.7	2258.0	2308.8	2322.3	1994.2	1510.4	1476.6	1461.4
70°	2302.0	2278.3	2249.6	2310.5	2598.0	2616.6	2545.6	1972.2	1346.4	1185.7	974.2
72.5°	2494.8	2483.0	2499.9	2728.2	3058.1	3069.9	2755.3	1833.5	1063.9	718.8	453.3
75°	2510.0	2498.2	2614.9	3073.3	3634.8	3656.8	2885.5	1437.7	561.5	292.6	191.1
77.5°	1699.9	1735.4	1953.6	2691.0	3338.8	3343.9	2359.5	668.1	231.7	172.5	133.6
80°	417.8	463.4	735.8	1392.0	2251.3	2307.1	1292.2	225.0	152.2	131.9	99.8
82.5°	152.2	165.8	299.4	629.2	1265.2	1287.2	451.6	121.8	109.9	101.5	72.7
85°	72.7	74.4	142.1	309.5	639.4	632.6	162.4	72.7	79.5	69.3	44.0
87.5°	30.4	30.4	62.6	143.8	282.5	274.0	52.4	33.8	45.7	40.6	22.0
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°	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2	629.2
2.5°	630.9	634.3	647.8	658.0	668.1	676.6	690.1	690.1	698.6	698.6	698.6
5°	629.2	647.8	669.8	693.5	708.7	723.9	737.5	739.1	744.2	751.0	752.7
7.5°	636.0	654.6	690.1	723.9	742.5	749.3	766.2	761.1	761.1	761.1	766.2
10°	649.5	669.8	718.8	749.3	762.8	764.5	759.4	756.1	745.9	742.5	737.5
12.5°	659.6	695.2	744.2	767.9	762.8	757.7	745.9	729.0	717.2	713.8	713.8
15°	685.0	720.5	766.2	774.7	766.2	739.1	723.9	705.3	695.2	679.9	686.7
17.5°	707.0	747.6	788.2	778.0	761.1	718.8	696.9	669.8	656.3	639.4	639.4
20°	735.8	773.0	808.5	781.4	744.2	698.6	663.0	629.2	610.6	593.7	597.1
22.5°	767.9	801.7	820.3	767.9	718.8	666.4	617.4	585.2	561.5	551.4	554.8
25°	793.3	830.5	827.1	745.9	688.4	625.8	571.7	541.2	536.2	526.0	526.0
27.5°	825.4	864.3	822.0	718.8	637.7	561.5	527.7	515.9	515.9	510.8	514.2
30°	867.7	894.8	810.2	679.9	573.4	504.0	487.1	493.9	505.7	500.7	502.3
32.5°	937.0	933.7	800.0	636.0	505.7	448.2	460.1	473.6	483.7	488.8	492.2
35°	1004.7	982.7	788.2	576.8	443.1	421.2	431.3	446.5	465.1	470.2	471.9
37.5°	1072.4	1033.4	767.9	504.0	404.2	397.5	407.6	416.1	431.3	434.7	438.1
40°	1143.4	1067.3	732.4	433.0	372.1	372.1	378.9	380.6	389.0	394.1	397.5
42.5°	1206.0	1099.4	668.1	367.0	338.3	350.1	351.8	348.4	341.7	345.0	346.7
45°	1282.1	1134.9	593.7	319.7	312.9	328.1	331.5	318.0	306.1	299.4	296.0
47.5°	1356.5	1172.1	529.4	280.8	289.2	312.9	312.9	297.7	277.4	260.5	253.7
50°	1424.2	1209.4	477.0	257.1	265.6	301.1	304.5	275.7	253.7	233.4	230.0
52.5°	1537.5	1271.9	422.9	238.5	252.0	292.6	290.9	265.6	236.8	214.8	213.1
55°	1637.3	1334.5	351.8	219.9	238.5	280.8	285.8	255.4	216.5	196.2	192.8
57.5°	1710.0	1349.7	280.8	201.3	225.0	267.2	274.0	235.1	203.0	186.1	184.4
60°	1723.5	1290.5	228.3	186.1	206.4	248.6	253.7	223.3	192.8	179.3	175.9
62.5°	1661.0	1177.2	194.5	172.5	191.1	230.0	240.2	209.7	182.7	170.8	169.1
65°	1518.9	1011.5	170.8	160.7	181.0	216.5	228.3	199.6	174.2	164.1	162.4
67.5°	1202.6	776.4	152.2	152.2	167.4	203.0	219.9	192.8	165.8	159.0	157.3
70°	786.5	466.8	138.7	140.4	157.3	191.1	209.7	184.4	155.6	153.9	150.5
72.5°	338.3	214.8	123.5	128.5	142.1	170.8	194.5	172.5	143.8	138.7	133.6
75°	155.6	130.2	111.6	115.0	126.9	150.5	175.9	159.0	133.6	125.2	120.1
77.5°	109.9	94.7	93.0	99.8	108.2	130.2	155.6	148.8	123.5	116.7	113.3
80°	81.2	72.7	77.8	84.6	89.6	120.1	147.2	137.0	113.3	103.2	98.1
82.5°	57.5	54.1	60.9	67.7	72.7	104.9	135.3	120.1	94.7	86.3	77.8
85°	33.8	35.5	42.3	45.7	50.7	77.8	113.3	96.4	72.7	55.8	54.1
87.5°	15.2	15.2	20.3	22.0	25.4	45.7	76.1	60.9	45.7	35.5	33.8
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)