

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P634260

Luminaire Tested: GWS-SA3B-735-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10460.8 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

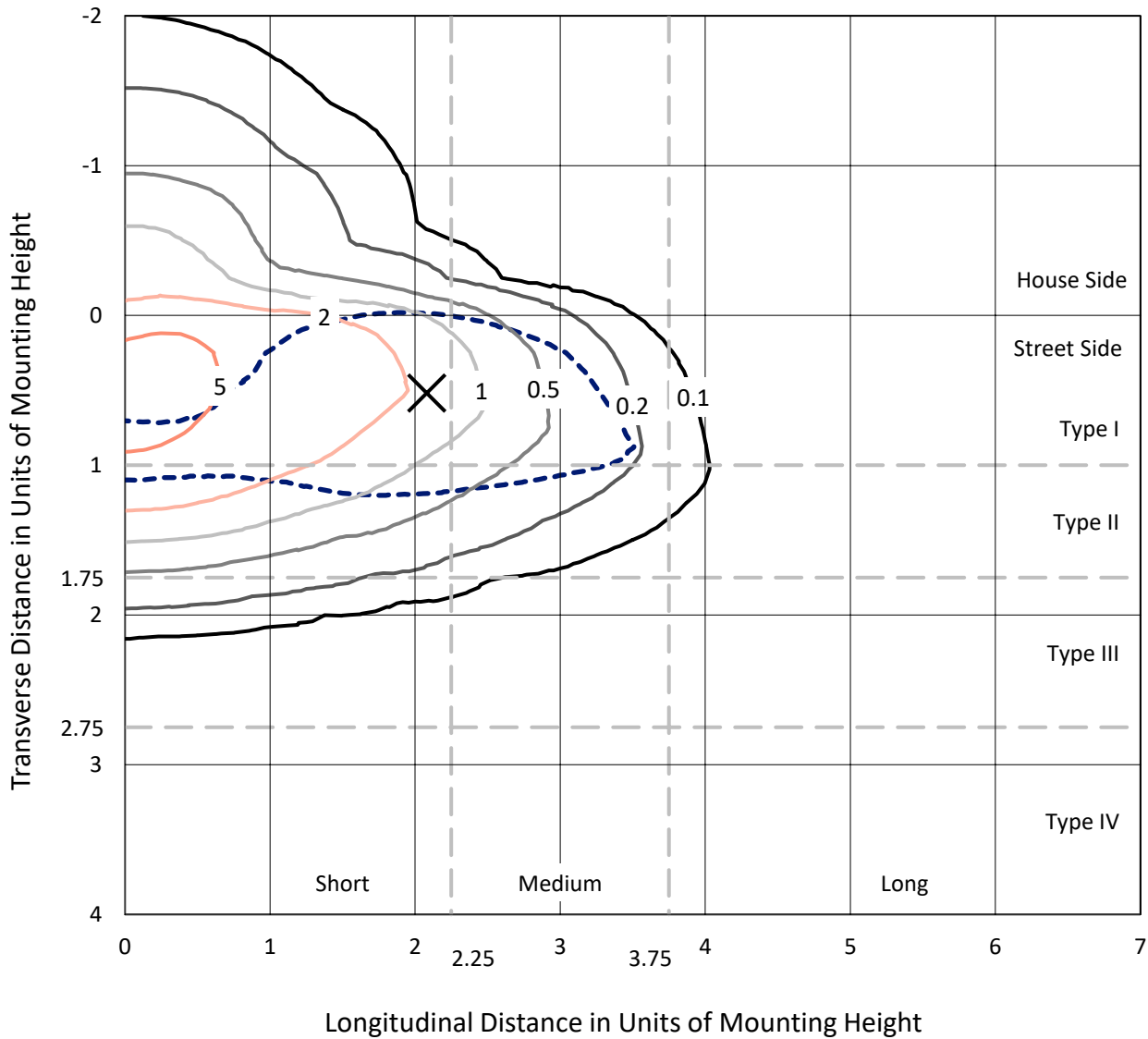


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Iso-Footcandle Lines of Horizontal Illumination

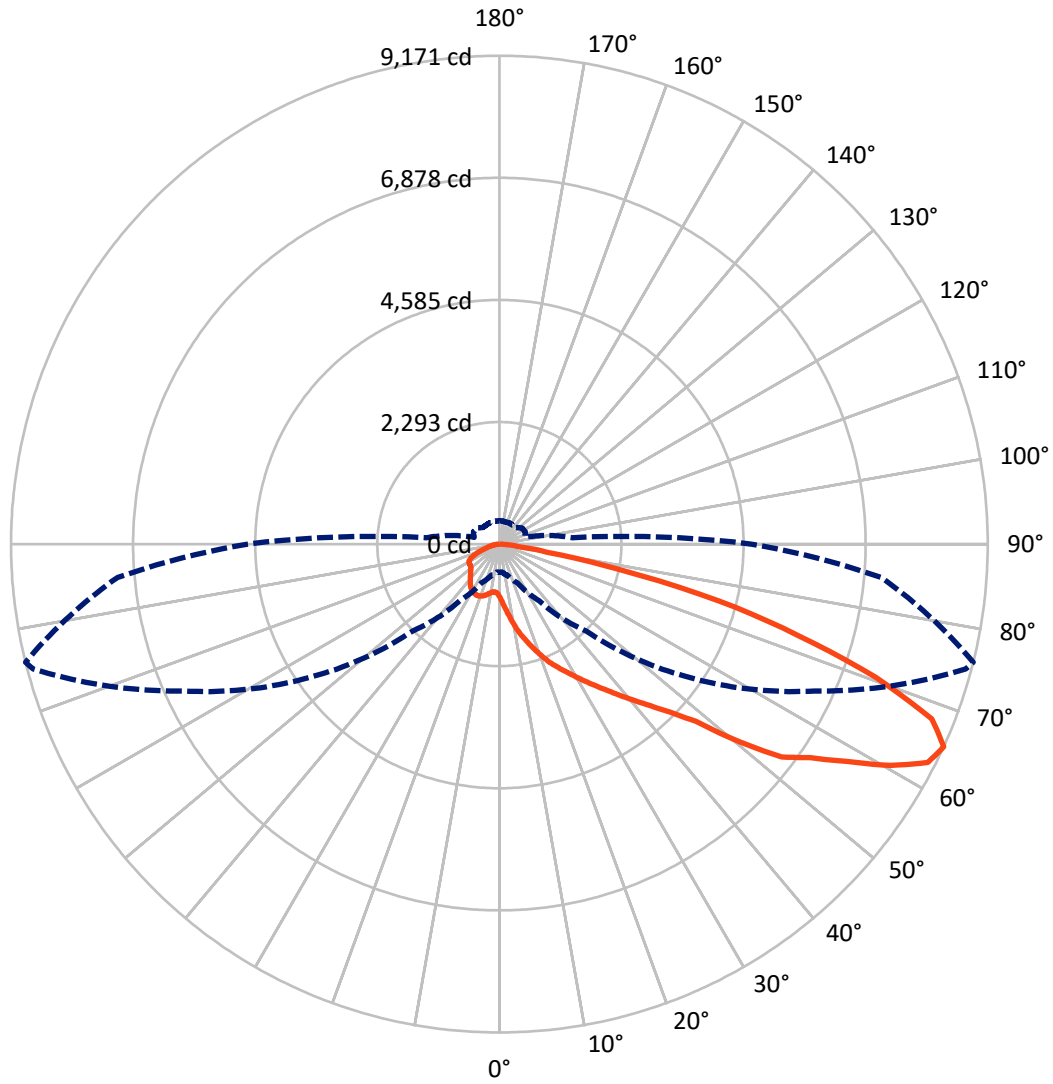
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1748.5	0.0	1748.5
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	8712.3	0.0	8712.3
	% Fixture	83.3	0.0	83.3
Total	Lumens	10460.8	0.0	10460.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	1.1
10°-20°	448.3	4.3
20°-30°	873.6	8.4
30°-40°	1461.1	14.0
40°-50°	2091.9	20.0
50°-60°	2476.6	23.7
60°-70°	2059.3	19.7
70°-80°	842.7	8.1
80°-90°	89.7	0.9
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°	10460.8	100.0
0°-180°	10460.8	100.0

Coefficient of Utilization



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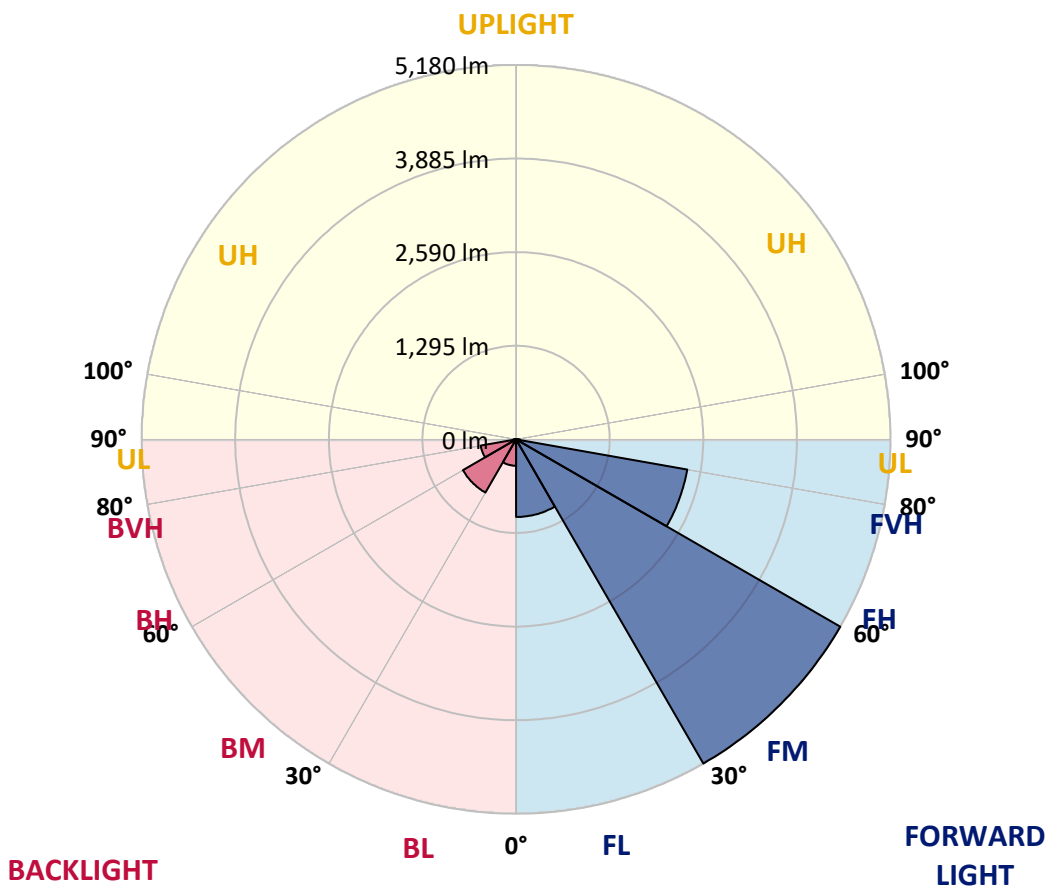
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1073.8	10.3			
FM (30°-60°)	5179.8	49.5			
FH (60°-80°)	2405.2	23.0			G2/5000
FVH (80°-90°)	53.5	0.5			G1/100
BL (0°-30°)	365.8	3.5	B1/500		
BM (30°-60°)	849.7	8.1	B1/1000		
BH (60°-80°)	496.8	4.7	B1/500		G1/500
BVH (80°-90°)	36.2	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	990.6	990.6	990.6	990.6	990.6	990.6	990.6	990.6	990.6	990.6	990.6
2.5°	1388.5	1393.6	1376.7	1370.8	1331.1	1277.4	1232.5	1164.9	1102.4	1092.8	1036.9
5°	1763.5	1741.5	1722.3	1709.8	1654.7	1593.6	1498.8	1371.5	1238.4	1222.3	1101.6
7.5°	1986.3	1982.7	1959.1	1951.8	1909.1	1848.1	1750.3	1592.2	1398.8	1372.3	1189.2
10°	2165.1	2162.8	2151.1	2157.7	2118.7	2059.2	1964.3	1801.0	1574.5	1548.0	1287.0
12.5°	2321.0	2324.6	2322.4	2346.7	2326.8	2280.5	2182.0	2002.5	1750.3	1721.6	1406.1
15°	2434.9	2437.9	2448.9	2501.9	2512.9	2503.3	2403.3	2200.4	1923.8	1882.7	1528.9
17.5°	2467.3	2473.2	2499.7	2585.0	2644.5	2684.3	2610.0	2401.9	2094.5	2049.6	1653.9
20°	2510.7	2517.3	2543.8	2632.8	2720.3	2810.7	2797.5	2606.3	2266.5	2229.8	1780.4
22.5°	2711.5	2706.3	2694.5	2737.2	2799.7	2912.2	2945.3	2802.7	2444.5	2409.2	1920.2
25°	3098.3	3088.7	3013.7	2974.7	2954.1	3022.5	3081.4	2981.4	2618.1	2565.1	2050.3
27.5°	3524.8	3519.7	3424.1	3331.4	3204.9	3175.5	3210.1	3137.3	2786.5	2732.8	2163.6
30°	3928.6	3913.1	3813.1	3696.9	3527.8	3401.3	3350.5	3290.2	2971.1	2915.2	2296.0
32.5°	4289.7	4269.8	4152.1	4023.4	3846.2	3696.9	3545.4	3452.8	3179.9	3115.2	2431.3
35°	4586.0	4566.2	4445.6	4308.8	4113.9	4003.6	3796.2	3629.3	3392.5	3327.0	2590.9
37.5°	4815.5	4797.1	4671.3	4536.8	4366.9	4279.4	4099.2	3827.8	3637.3	3569.0	2760.0
40°	4944.2	4930.9	4830.2	4723.5	4580.9	4505.1	4424.2	4078.6	3911.7	3843.3	2959.3
42.5°	4983.1	4974.3	4903.7	4848.6	4752.2	4694.9	4741.2	4373.5	4204.3	4144.8	3183.6
45°	4885.3	4885.3	4864.7	4892.7	4897.1	4896.4	5058.9	4706.6	4564.0	4498.5	3499.8
47.5°	4635.3	4651.5	4681.6	4819.2	4964.0	5085.4	5430.3	5150.8	5026.5	4972.9	3947.7
50°	4177.9	4222.0	4325.0	4593.4	4901.5	5210.4	5781.8	5807.5	5925.9	5831.1	4606.6
52.5°	3507.9	3501.3	3763.8	4146.2	4616.2	5215.5	5975.2	6387.0	6705.5	6640.0	5096.4
55°	2787.9	2776.9	3021.8	3549.1	4178.6	5018.4	6091.4	6652.5	7137.9	7079.1	5536.9
57.5°	2134.9	2120.9	2338.6	2814.4	3560.9	4600.0	6069.3	6968.8	7732.9	7702.7	6135.5
60°	1469.4	1452.4	1656.1	2072.4	2829.9	3960.2	5825.2	7131.3	8429.3	8439.6	6776.1
62.5°	882.5	872.9	1020.8	1343.6	2035.6	3167.4	5253.8	7032.7	8983.8	9030.1	7187.9
65°	532.4	525.8	612.6	801.6	1291.4	2311.4	4372.8	6529.0	9063.9	9170.6	7197.5
67.5°	387.6	388.3	413.3	488.3	753.1	1492.9	3281.4	5625.9	8646.2	8756.5	6743.7
70°	336.8	338.3	351.5	368.4	455.2	854.5	2133.4	4441.1	7411.5	7496.8	5656.0
72.5°	299.3	299.3	308.1	317.0	355.9	520.7	1142.8	3104.2	5849.5	5872.3	4316.9
75°	263.3	261.1	265.5	269.9	308.9	364.0	556.0	2162.8	4320.5	4267.6	2790.2
77.5°	209.6	207.4	208.1	212.5	247.8	260.3	281.7	1351.0	2434.9	2298.2	1232.5
80°	149.3	147.8	155.9	166.9	183.1	159.6	176.5	653.8	965.6	898.7	478.0
82.5°	89.0	91.9	104.4	113.3	126.5	100.0	114.0	218.4	342.0	333.1	194.1
85°	12.5	13.2	37.5	43.4	54.4	39.0	60.3	98.5	136.8	146.3	68.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	5.1	17.6	39.0	39.7	16.9
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°	990.6	990.6	990.6	990.6	990.6	990.6	990.6	990.6	990.6	990.6	990.6
2.5°	1008.2	973.7	924.4	883.2	848.7	820.7	797.2	779.5	774.4	767.0	767.0
5°	1045.0	982.5	894.3	831.8	795.7	774.4	759.7	752.3	748.6	744.2	742.0
7.5°	1095.8	1008.2	889.1	825.9	797.9	784.7	775.1	770.7	767.8	763.4	763.4
10°	1165.6	1046.5	905.3	846.5	824.4	811.2	800.1	792.8	786.2	779.5	778.1
12.5°	1241.4	1096.5	934.7	874.4	850.9	834.7	819.2	808.2	800.1	792.0	789.8
15°	1325.2	1148.0	966.3	901.6	872.2	850.1	831.8	814.8	803.8	792.0	790.6
17.5°	1407.6	1200.2	992.8	920.0	882.5	855.3	828.8	806.7	792.8	779.5	775.9
20°	1506.1	1252.4	1011.2	925.1	880.3	844.3	812.6	784.7	769.2	753.8	751.6
22.5°	1596.6	1300.9	1020.0	917.8	863.4	820.7	783.9	753.8	736.9	721.4	718.5
25°	1684.1	1343.6	1016.3	900.1	837.6	788.4	750.1	720.0	703.8	687.6	683.2
27.5°	1768.7	1372.3	1001.6	872.9	805.3	752.3	715.6	688.3	674.4	660.4	654.5
30°	1851.8	1398.8	978.8	837.6	764.1	714.8	684.7	665.5	651.6	636.9	632.5
32.5°	1935.6	1417.9	944.3	796.5	722.2	681.7	663.3	649.4	634.7	620.0	615.5
35°	2020.2	1426.0	902.3	749.4	686.9	660.4	653.8	637.6	617.7	600.1	594.2
37.5°	2120.9	1433.3	850.1	703.1	656.0	650.1	648.6	624.4	600.8	576.6	569.9
40°	2242.3	1442.9	796.5	661.1	631.0	646.4	640.5	607.4	560.4	536.9	529.5
42.5°	2390.8	1460.5	740.6	622.9	612.6	632.5	625.8	566.3	534.6	521.4	517.7
45°	2609.2	1525.2	684.7	592.7	598.6	612.6	602.3	542.0	529.5	520.7	516.3
47.5°	2998.3	1624.5	636.1	569.9	587.6	594.9	555.2	535.4	525.8	514.1	508.9
50°	3402.7	1667.9	597.2	556.0	575.1	578.8	529.5	526.6	519.9	507.4	502.3
52.5°	3676.3	1662.0	573.6	550.8	564.8	550.8	517.7	517.0	512.6	497.9	492.0
55°	3985.2	1672.3	563.3	552.3	560.4	503.8	503.0	505.2	503.0	486.8	483.9
57.5°	4402.2	1703.9	558.2	557.4	557.4	481.0	489.0	492.0	487.6	480.2	478.0
60°	4803.0	1706.2	548.6	563.3	555.2	467.0	472.9	475.8	470.7	469.2	468.5
62.5°	4953.7	1600.3	527.3	558.9	546.4	451.5	456.0	457.4	452.3	456.0	455.2
65°	4729.4	1375.2	492.0	537.6	519.2	437.6	434.6	438.3	429.5	439.0	439.8
67.5°	4199.2	1092.8	438.3	497.1	481.0	422.1	416.2	416.2	401.5	416.2	415.5
70°	3385.8	772.2	359.6	432.4	439.0	403.7	400.8	383.9	360.4	382.4	380.2
72.5°	2566.6	554.5	283.1	342.0	378.0	378.0	378.7	350.1	322.8	333.1	324.3
75°	1626.0	390.5	226.5	261.8	296.4	331.7	348.6	295.6	271.4	267.0	262.5
77.5°	732.5	256.7	176.5	200.8	210.3	261.8	318.4	254.5	221.4	211.8	208.9
80°	306.7	159.6	125.8	141.9	129.4	219.9	280.9	197.8	162.5	149.3	139.7
82.5°	134.6	94.9	80.2	76.5	80.9	163.3	209.6	131.6	101.5	137.5	139.0
85°	56.6	50.0	41.2	37.5	33.1	62.5	98.5	51.5	63.2	36.0	29.4
87.5°	13.2	14.7	11.0	7.4	4.4	0.7	0.0	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)