

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: P634755

Luminaire Tested: GWS-SA3C-735-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634755
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-SA3C-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: 14029.1 lumens
Efficiency: N/A
Efficacy: 150.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 93
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

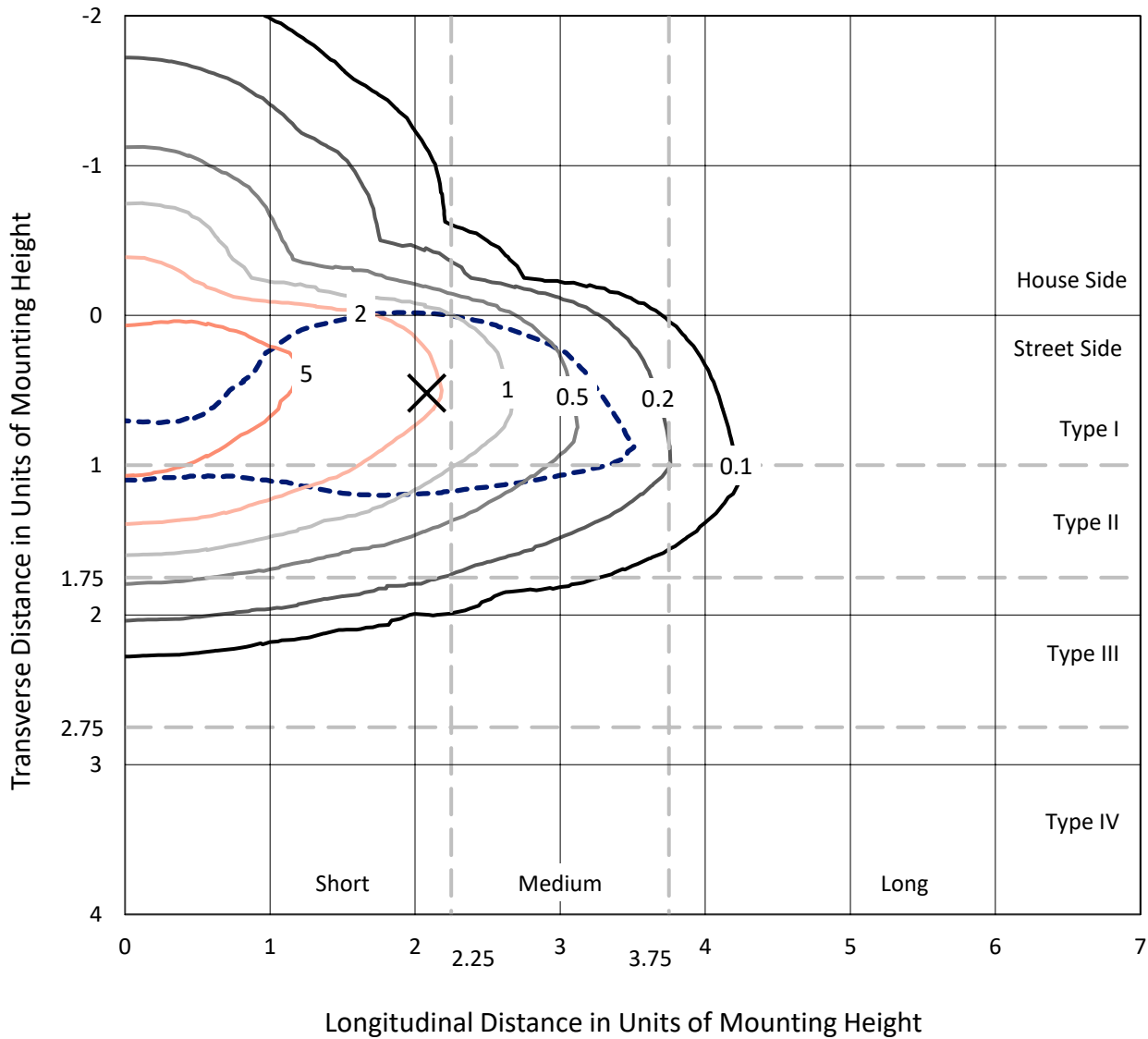


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Iso-Footcandle Lines of Horizontal Illumination

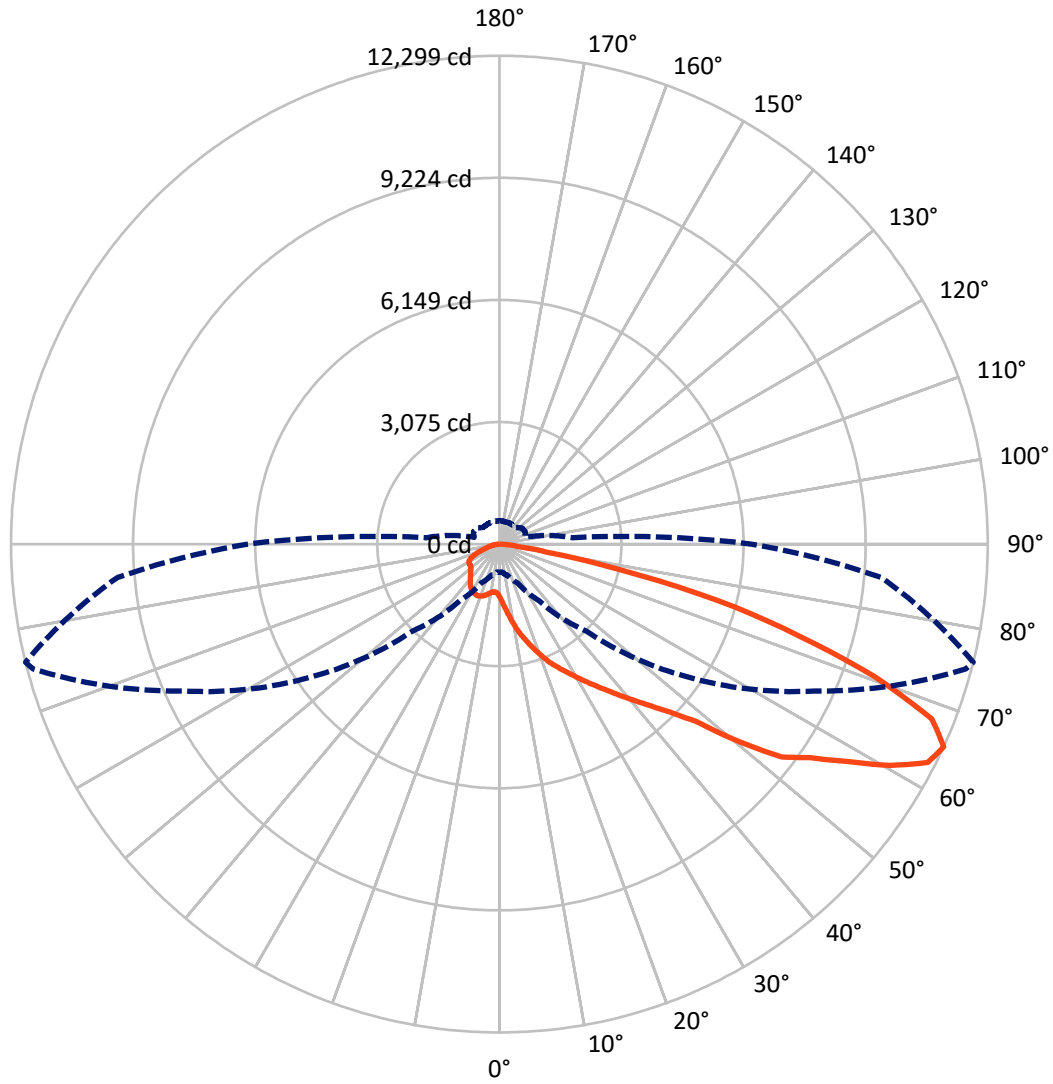
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.6 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	2345.0	0.0	2345.0
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	11684.1	0.0	11684.1
	% Fixture	83.3	0.0	83.3
Total	Lumens	14029.1	0.0	14029.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.8	1.1
10°-20°	601.2	4.3
20°-30°	1171.6	8.4
30°-40°	1959.4	14.0
40°-50°	2805.5	20.0
50°-60°	3321.3	23.7
60°-70°	2761.7	19.7
70°-80°	1130.2	8.1
80°-90°	120.3	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°	14029.1	100.0
0°-180°	14029.1	100.0

Coefficient of Utilization



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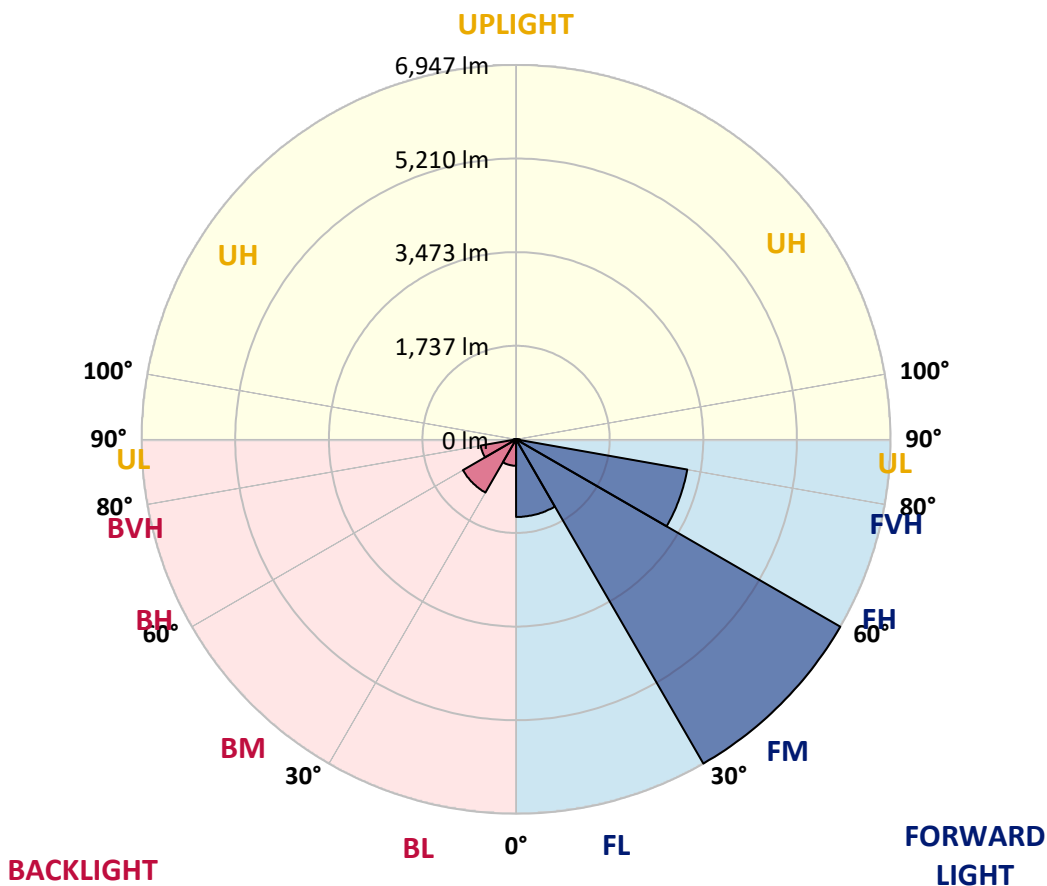
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1440.0	10.3			
FM (30°-60°)	6946.7	49.5			
FH (60°-80°)	3225.6	23.0			G2/5000
FVH (80°-90°)	71.8	0.5			G1/100
BL (0°-30°)	490.6	3.5	B1/500		
BM (30°-60°)	1139.6	8.1	B2/2500		
BH (60°-80°)	666.2	4.7	B2/1000		G2/1000
BVH (80°-90°)	48.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5
2.5°	1862.1	1869.0	1846.3	1838.4	1785.1	1713.1	1653.0	1562.2	1478.4	1465.6	1390.6
5°	2365.1	2335.5	2309.8	2293.1	2219.1	2137.2	2010.0	1839.4	1660.9	1639.2	1477.4
7.5°	2663.9	2659.0	2627.4	2617.6	2560.4	2478.5	2347.3	2135.3	1875.9	1840.4	1594.8
10°	2903.6	2900.6	2884.8	2893.7	2841.4	2761.6	2634.3	2415.4	2111.6	2076.1	1726.0
12.5°	3112.7	3117.6	3114.6	3147.2	3120.6	3058.4	2926.3	2685.6	2347.3	2308.9	1885.7
15°	3265.5	3269.5	3284.3	3355.3	3370.1	3357.3	3223.1	2950.9	2580.1	2524.8	2050.5
17.5°	3308.9	3316.8	3352.3	3466.7	3546.6	3599.9	3500.3	3221.2	2808.9	2748.7	2218.1
20°	3367.1	3376.0	3411.5	3530.8	3648.2	3769.5	3751.8	3495.3	3039.7	2990.4	2387.8
22.5°	3636.4	3629.5	3613.7	3670.9	3754.7	3905.6	3950.0	3758.7	3278.4	3231.0	2575.1
25°	4155.1	4142.3	4041.7	3989.5	3961.8	4053.6	4132.5	3998.3	3511.1	3440.1	2749.7
27.5°	4727.2	4720.3	4592.1	4467.8	4298.2	4258.7	4305.1	4207.4	3737.0	3665.0	2901.6
30°	5268.6	5247.9	5113.8	4958.0	4731.1	4561.5	4493.4	4412.6	3984.5	3909.6	3079.1
32.5°	5752.9	5726.3	5568.5	5395.9	5158.2	4958.0	4754.8	4630.5	4264.6	4177.8	3260.6
35°	6150.4	6123.7	5962.0	5778.5	5517.2	5369.2	5091.1	4867.2	4549.7	4461.9	3474.6
37.5°	6458.1	6433.4	6264.8	6084.3	5856.5	5739.1	5497.5	5133.5	4878.1	4786.4	3701.5
40°	6630.7	6612.9	6477.8	6334.8	6143.5	6041.9	5933.4	5469.8	5246.0	5154.2	3968.7
42.5°	6683.0	6671.1	6576.4	6502.5	6373.3	6296.3	6358.5	5865.3	5638.5	5558.6	4269.6
45°	6551.8	6551.8	6524.2	6561.6	6567.6	6566.6	6784.5	6312.1	6120.8	6033.0	4693.7
47.5°	6216.5	6238.1	6278.6	6463.0	6657.3	6820.0	7282.6	6907.8	6741.1	6669.1	5294.3
50°	5603.0	5662.2	5800.2	6160.2	6573.5	6987.7	7754.0	7788.6	7947.4	7820.1	6178.0
52.5°	4704.5	4695.6	5047.7	5560.6	6190.8	6994.6	8013.4	8565.7	8992.8	8905.0	6834.8
55°	3738.9	3724.2	4052.6	4759.7	5604.0	6730.3	8169.3	8921.8	9572.7	9493.8	7425.6
57.5°	2863.1	2844.4	3136.3	3774.5	4775.5	6169.1	8139.7	9345.9	10370.6	10330.2	8228.4
60°	1970.6	1947.9	2221.1	2779.3	3795.2	5311.1	7812.2	9563.8	11304.6	11318.4	9087.5
62.5°	1183.5	1170.7	1368.9	1801.9	2730.0	4247.9	7045.9	9431.7	12048.3	12110.4	9639.8
65°	714.1	705.2	821.6	1075.0	1731.9	3099.8	5864.4	8756.1	12155.8	12298.8	9652.6
67.5°	519.8	520.7	554.3	654.9	1009.9	2002.1	4400.7	7545.0	11595.6	11743.5	9044.1
70°	451.7	453.7	471.4	494.1	610.5	1146.0	2861.2	5956.1	9939.6	10054.0	7585.4
72.5°	401.4	401.4	413.2	425.1	477.4	698.3	1532.7	4163.0	7844.8	7875.4	5789.4
75°	353.1	350.1	356.0	362.0	414.2	488.2	745.6	2900.6	5794.3	5723.3	3741.9
77.5°	281.1	278.1	279.1	285.0	332.4	349.1	377.7	1811.8	3265.5	3082.1	1653.0
80°	200.2	198.2	209.1	223.9	245.6	214.0	236.7	876.8	1295.0	1205.2	641.1
82.5°	119.3	123.3	140.1	151.9	169.6	134.1	152.9	292.9	458.6	446.8	260.4
85°	16.8	17.8	50.3	58.2	73.0	52.3	80.9	132.2	183.4	196.3	91.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.9	23.7	52.3	53.3	22.7
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°	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5	1328.5
2.5°	1352.2	1305.8	1239.7	1184.5	1138.2	1100.7	1069.1	1045.4	1038.5	1028.7	1028.7
5°	1401.5	1317.7	1199.3	1115.5	1067.1	1038.5	1018.8	1009.0	1004.0	998.1	995.1
7.5°	1469.5	1352.2	1192.4	1107.6	1070.1	1052.3	1039.5	1033.6	1029.7	1023.7	1023.7
10°	1563.2	1403.5	1214.1	1135.2	1105.6	1087.9	1073.1	1063.2	1054.3	1045.4	1043.5
12.5°	1664.8	1470.5	1253.5	1172.7	1141.1	1119.4	1098.7	1083.9	1073.1	1062.2	1059.3
15°	1777.3	1539.6	1296.0	1209.2	1169.7	1140.1	1115.5	1092.8	1078.0	1062.2	1060.2
17.5°	1887.7	1609.6	1331.5	1233.8	1183.5	1147.0	1111.5	1081.9	1063.2	1045.4	1040.5
20°	2019.9	1679.6	1356.1	1240.7	1180.6	1132.2	1089.8	1052.3	1031.6	1010.9	1008.0
22.5°	2141.2	1744.7	1368.0	1230.9	1157.9	1100.7	1051.4	1010.9	988.2	967.5	963.6
25°	2258.6	1801.9	1363.0	1207.2	1123.4	1057.3	1006.0	965.6	943.9	922.2	916.2
27.5°	2372.0	1840.4	1343.3	1170.7	1080.0	1009.0	959.6	923.1	904.4	885.7	877.8
30°	2483.4	1875.9	1312.7	1123.4	1024.7	958.7	918.2	892.6	873.8	854.1	848.2
32.5°	2595.9	1901.5	1266.4	1068.1	968.5	914.3	889.6	870.9	851.1	831.4	825.5
35°	2709.3	1912.4	1210.2	1005.0	921.2	885.7	876.8	855.1	828.5	804.8	796.9
37.5°	2844.4	1922.2	1140.1	942.9	879.8	871.9	869.9	837.3	805.8	773.2	764.4
40°	3007.1	1935.1	1068.1	886.7	846.2	866.9	859.0	814.7	751.5	720.0	710.1
42.5°	3206.4	1958.7	993.2	835.4	821.6	848.2	839.3	759.4	717.0	699.3	694.3
45°	3499.3	2045.5	918.2	794.9	802.8	821.6	807.8	726.9	710.1	698.3	692.4
47.5°	4021.0	2178.7	853.1	764.4	788.0	797.9	744.6	718.0	705.2	689.4	682.5
50°	4563.5	2236.9	800.9	745.6	771.3	776.2	710.1	706.2	697.3	680.5	673.6
52.5°	4930.4	2229.0	769.3	738.7	757.5	738.7	694.3	693.3	687.4	667.7	659.8
55°	5344.6	2242.8	755.5	740.7	751.5	675.6	674.6	677.6	674.6	652.9	649.0
57.5°	5903.8	2285.2	748.6	747.6	747.6	645.0	655.9	659.8	653.9	644.0	641.1
60°	6441.3	2288.1	735.8	755.5	744.6	626.3	634.2	638.1	631.2	629.2	628.3
62.5°	6643.5	2146.1	707.2	749.6	732.8	605.6	611.5	613.5	606.6	611.5	610.5
65°	6342.7	1844.3	659.8	721.0	696.3	586.8	582.9	587.8	576.0	588.8	589.8
67.5°	5631.6	1465.6	587.8	666.7	645.0	566.1	558.2	558.2	538.5	558.2	557.2
70°	4540.8	1035.6	482.3	579.9	588.8	541.5	537.5	514.8	483.3	512.9	509.9
72.5°	3442.1	743.6	379.7	458.6	506.9	506.9	507.9	469.5	433.0	446.8	434.9
75°	2180.6	523.7	303.8	351.1	397.5	444.8	467.5	396.5	363.9	358.0	352.1
77.5°	982.3	344.2	236.7	269.3	282.1	351.1	427.1	341.2	296.9	284.0	280.1
80°	411.3	214.0	168.7	190.3	173.6	294.9	376.8	265.3	218.0	200.2	187.4
82.5°	180.5	127.2	107.5	102.6	108.5	219.0	281.1	176.5	136.1	184.4	186.4
85°	75.9	67.1	55.2	50.3	44.4	83.8	132.2	69.0	84.8	48.3	39.5
87.5°	17.8	19.7	14.8	9.9	5.9	1.0	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)