

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: P642186

Luminaire Tested: GWS-SA6C-735-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24553.4 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

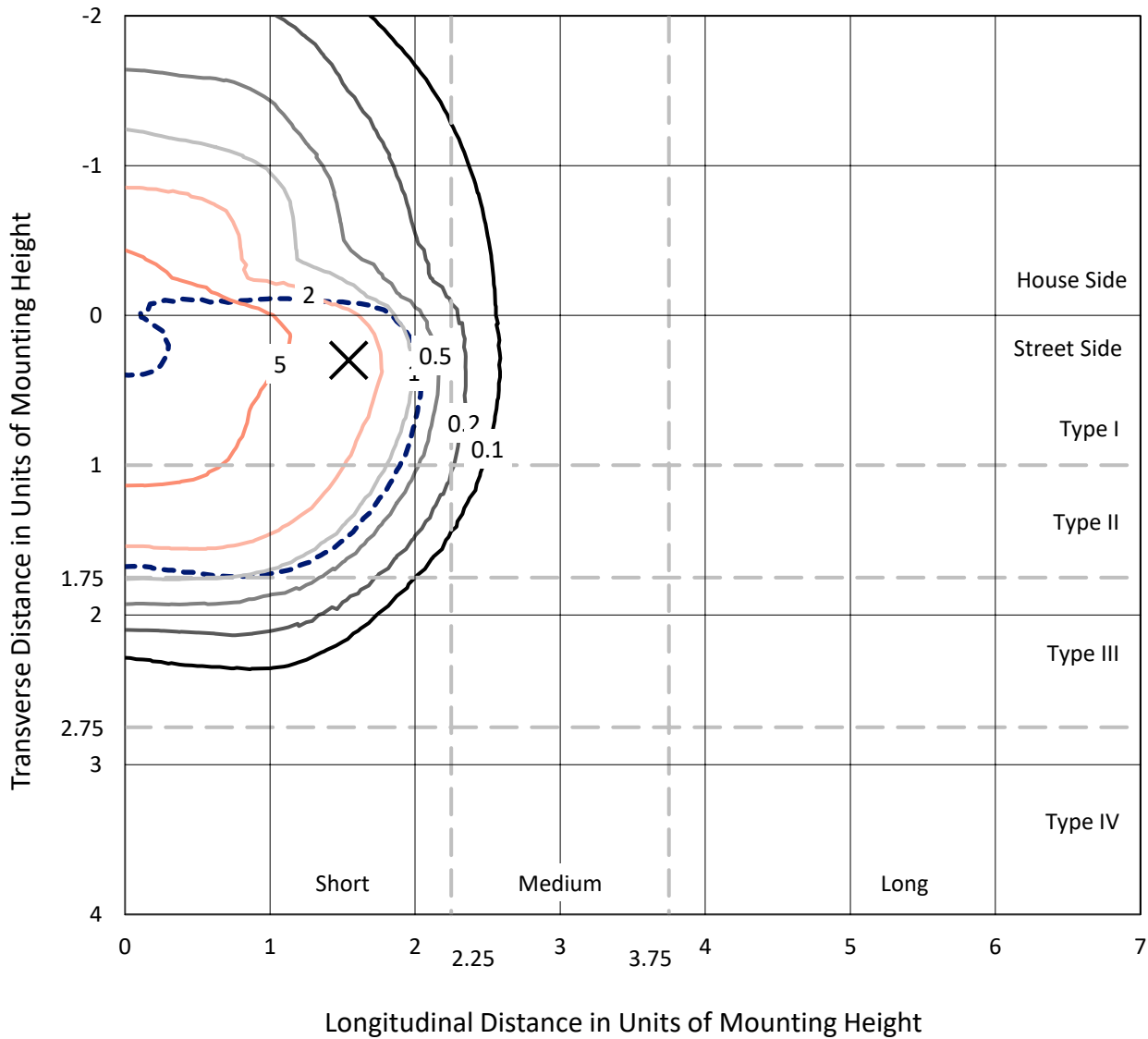
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

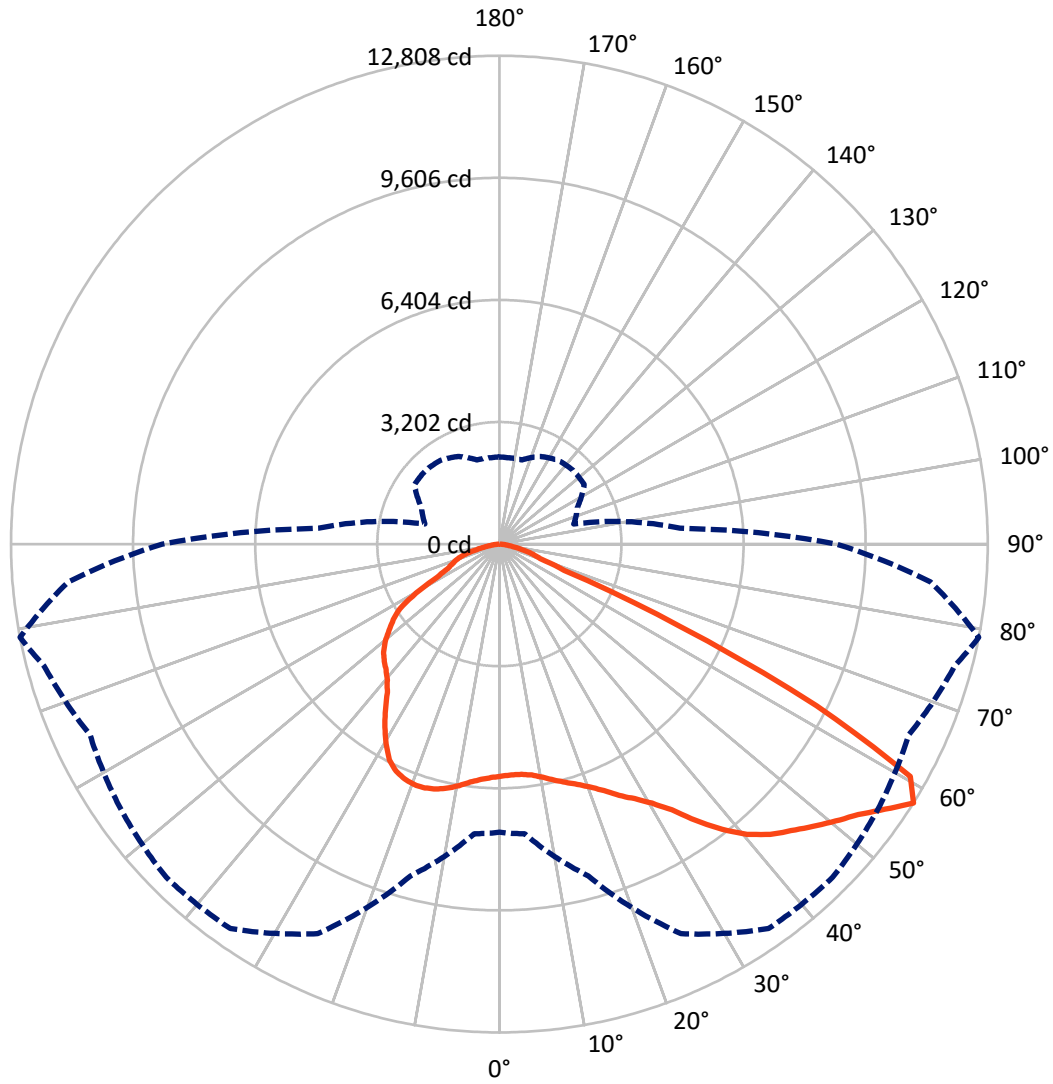
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7298.6	0.0	7298.6
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	17254.8	0.0	17254.8
	% Fixture	70.3	0.0	70.3
Total	Lumens	24553.4	0.0	24553.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.5	2.3
10°-20°	1566.0	6.4
20°-30°	2654.5	10.8
30°-40°	4063.0	16.5
40°-50°	5417.6	22.1
50°-60°	6256.9	25.5
60°-70°	3251.3	13.2
70°-80°	691.1	2.8
80°-90°	89.5	0.4
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°	24553.4	100.0
0°-180°	24553.4	100.0

Coefficient of Utilization



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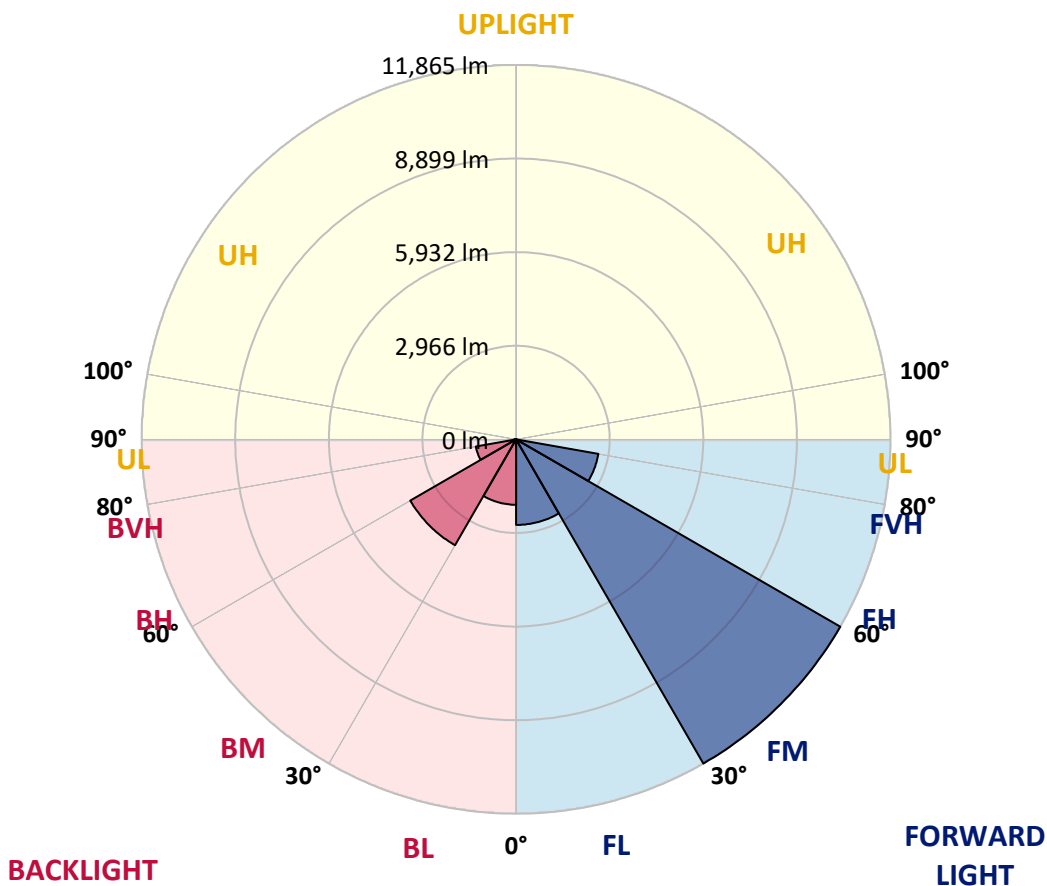
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2711.2	11.0			
FM (30°-60°)	11864.9	48.3			
FH (60°-80°)	2647.5	10.8			G2/5000
FVH (80°-90°)	31.2	0.1			G1/100
BL (0°-30°)	2072.7	8.4	B3/2500		
BM (30°-60°)	3872.6	15.8	B3/5000		
BH (60°-80°)	1295.0	5.3	B3/2500		G3/2500
BVH (80°-90°)	58.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9
2.5°	5807.9	5795.8	5799.8	5815.9	5876.1	5920.3	5966.5	6008.6	6048.8	6060.8	6070.8
5°	5601.1	5579.0	5585.0	5611.1	5681.4	5755.7	5838.0	5938.3	6034.7	6066.8	6109.0
7.5°	5454.5	5450.5	5460.6	5500.7	5575.0	5645.2	5751.6	5894.2	6060.8	6115.0	6189.3
10°	5259.8	5251.8	5291.9	5374.2	5496.7	5609.1	5735.6	5904.2	6137.1	6217.4	6331.8
12.5°	5105.2	5101.2	5143.4	5257.8	5414.4	5593.0	5767.7	5956.4	6239.5	6349.9	6490.4
15°	5195.6	5177.5	5179.5	5259.8	5400.3	5611.1	5848.0	6050.8	6341.9	6482.4	6663.1
17.5°	5458.5	5426.4	5402.3	5416.4	5496.7	5715.5	5970.5	6177.2	6460.3	6624.9	6845.8
20°	5821.9	5803.8	5737.6	5693.4	5711.5	5904.2	6163.2	6355.9	6614.9	6799.6	7036.5
22.5°	6309.7	6265.6	6175.2	6105.0	6050.8	6201.3	6440.2	6606.9	6829.7	7022.4	7269.4
25°	6914.0	6849.8	6707.2	6596.8	6480.4	6635.0	6847.8	6974.2	7124.8	7303.5	7538.4
27.5°	7530.3	7476.1	7317.5	7169.0	7024.4	7120.8	7373.8	7446.0	7430.0	7560.5	7761.2
30°	8186.8	8118.6	7968.0	7807.4	7620.7	7682.9	7909.8	7945.9	7775.3	7883.7	8020.2
32.5°	8879.4	8813.2	8682.7	8496.0	8285.2	8309.3	8371.5	8405.6	8243.0	8305.3	8409.6
35°	9584.1	9521.8	9389.3	9204.6	9050.1	8903.5	8746.9	8883.4	8789.1	8909.5	8901.5
37.5°	10228.5	10166.3	10084.0	9941.4	9676.4	9387.3	9026.0	9194.6	9341.2	9493.7	9467.6
40°	10664.1	10622.0	10642.1	10620.0	10278.7	9706.5	9162.5	9347.2	9746.7	10007.7	9993.6
42.5°	11039.5	10997.4	11113.8	11198.1	10796.6	10001.6	9228.7	9405.4	10005.7	10413.2	10393.1
45°	11206.2	11194.1	11386.9	11653.9	11270.4	10314.8	9399.4	9525.9	10202.4	10724.4	10648.1
47.5°	11007.4	11049.6	11429.0	11880.7	11663.9	10686.2	9748.7	9780.8	10459.4	11061.6	10846.8
50°	10611.9	10704.3	11216.2	11886.7	11951.0	11105.8	10232.5	10152.2	10804.7	11421.0	10951.2
52.5°	10035.8	10132.1	10967.3	11840.6	12115.6	11591.6	10876.9	10762.5	11240.3	11780.3	10969.3
55°	8712.8	8843.3	10397.1	11736.2	12276.2	12033.3	11603.7	11370.8	11802.4	12274.2	11148.0
57.5°	7558.4	7626.7	9007.9	11272.4	12308.3	12358.5	12121.6	11844.6	12360.5	12808.2	11348.7
60°	5546.9	5562.9	6805.6	9327.1	11322.6	12169.8	12079.5	11667.9	12095.5	12380.6	10429.2
62.5°	3133.8	3135.8	4127.5	6225.4	8457.8	9919.3	9975.5	9612.2	9252.8	9337.1	7259.3
65°	1176.4	1286.8	1885.1	3059.5	4876.4	5856.0	6088.9	6173.2	5575.0	5203.6	3892.6
67.5°	787.0	813.1	1100.1	1573.9	2170.2	2505.4	2802.5	2810.6	2055.7	1832.9	1533.8
70°	600.3	626.4	865.3	1126.2	1100.1	1015.8	1098.1	1068.0	1104.2	1134.3	1166.4
72.5°	447.7	473.8	670.5	795.0	660.5	650.4	736.8	819.1	895.4	927.5	977.7
75°	297.1	317.2	451.7	425.6	365.4	431.6	538.0	620.3	664.5	702.6	740.8
77.5°	188.7	202.8	240.9	194.7	202.8	253.0	313.2	387.5	429.6	467.8	487.8
80°	86.3	84.3	82.3	92.3	114.4	148.6	188.7	232.9	265.0	281.1	293.1
82.5°	34.1	38.1	42.2	50.2	62.2	80.3	106.4	136.5	162.6	166.6	176.7
85°	14.1	16.1	18.1	22.1	28.1	36.1	44.2	62.2	78.3	84.3	90.3
87.5°	0.0	0.0	0.0	0.0	2.0	4.0	6.0	10.0	18.1	20.1	22.1
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°	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9	6084.9
2.5°	6125.1	6099.0	6143.1	6173.2	6201.3	6171.2	6161.2	6135.1	6131.1	6131.1	6145.1
5°	6181.3	6163.2	6209.4	6227.4	6225.4	6159.2	6119.0	6066.8	6040.7	6040.7	6044.7
7.5°	6281.6	6271.6	6297.7	6269.6	6205.4	6070.8	5938.3	5827.9	5753.7	5715.5	5727.6
10°	6448.3	6436.2	6414.1	6309.7	6125.1	5846.0	5575.0	5374.2	5253.8	5185.5	5189.5
12.5°	6610.9	6590.8	6512.5	6281.6	5902.2	5458.5	5103.2	4878.4	4745.9	4665.6	4647.5
15°	6789.6	6737.4	6568.7	6137.1	5538.8	4984.8	4613.4	4370.4	4227.9	4179.7	4177.7
17.5°	6960.2	6867.8	6562.7	5880.1	5103.2	4488.9	4115.5	3964.9	3940.8	3962.9	3968.9
20°	7132.8	6984.3	6496.4	5524.8	4585.3	3995.0	3802.3	3864.5	3954.9	4015.1	4029.2
22.5°	7311.5	7080.6	6345.9	5067.1	4039.2	3661.8	3742.1	3878.6	3991.0	4071.3	4079.4
25°	7512.3	7171.0	6121.0	4507.0	3601.6	3569.4	3728.0	3872.6	3993.0	4085.4	4101.4
27.5°	7626.7	7173.0	5805.8	3930.8	3400.8	3533.3	3693.9	3830.4	3950.9	4051.2	4069.3
30°	7739.1	7118.8	5306.0	3463.0	3342.6	3491.1	3635.7	3762.2	3876.6	3975.0	3997.0
32.5°	7897.7	7068.6	4729.8	3194.0	3308.5	3451.0	3569.4	3681.9	3770.2	3814.4	3826.4
35°	8094.5	7004.4	4117.5	3077.6	3286.4	3418.9	3523.3	3583.5	3469.1	3445.0	3471.1
37.5°	8369.5	6944.1	3507.2	3027.4	3272.3	3406.8	3499.2	3344.6	3204.1	3147.8	3167.9
40°	8666.6	6910.0	3093.6	2987.2	3278.3	3418.9	3398.8	3169.9	2967.2	2848.7	2844.7
42.5°	8919.6	6857.8	2828.6	2961.1	3294.4	3465.0	3262.3	3015.3	2714.2	2644.0	2646.0
45°	9090.2	6725.3	2688.1	2933.0	3308.5	3475.1	3198.0	2802.5	2587.7	2543.6	2541.6
47.5°	9160.5	6484.4	2597.8	2888.9	3306.4	3392.8	3067.5	2714.2	2499.4	2487.4	2495.4
50°	9114.3	6088.9	2505.4	2802.5	3258.3	3306.4	2917.0	2635.9	2439.2	2505.4	2553.6
52.5°	8943.7	5577.0	2395.0	2684.1	3171.9	3208.1	2840.7	2587.7	2395.0	2483.3	2521.5
55°	8899.5	5161.4	2254.5	2529.5	3043.5	3033.4	2760.4	2563.6	2364.9	2330.8	2336.8
57.5°	8841.3	4755.9	2021.6	2252.5	2718.2	2734.3	2684.1	2535.5	2286.6	2276.6	2286.6
60°	7680.9	3645.7	1802.8	1943.3	2232.4	2318.7	2597.8	2483.3	2160.1	2118.0	2116.0
62.5°	5016.9	2208.3	1604.0	1694.4	1818.8	1919.2	2368.9	2332.8	2021.6	1995.5	2013.6
65°	2698.2	1573.9	1459.5	1513.7	1582.0	1658.2	1963.4	2077.8	1826.9	1734.5	1736.5
67.5°	1379.2	1339.0	1351.1	1389.2	1441.4	1479.6	1584.0	1684.3	1557.9	1479.6	1477.6
70°	1180.4	1212.6	1230.6	1252.7	1286.8	1280.8	1290.9	1308.9	1298.9	1260.7	1258.7
72.5°	1005.8	1056.0	1060.0	1064.0	1076.0	1047.9	1029.9	999.8	1001.8	1007.8	1009.8
75°	764.9	813.1	825.1	819.1	831.1	795.0	770.9	740.8	704.7	698.6	702.6
77.5°	497.9	536.0	554.1	550.1	556.1	528.0	515.9	483.8	441.7	425.6	425.6
80°	301.1	323.2	337.3	341.3	347.3	327.2	307.2	279.1	261.0	242.9	242.9
82.5°	182.7	196.7	206.8	206.8	212.8	190.7	174.7	154.6	146.6	130.5	130.5
85°	92.3	102.4	106.4	104.4	100.4	82.3	76.3	66.2	62.2	54.2	54.2
87.5°	22.1	28.1	28.1	20.1	20.1	10.0	6.0	2.0	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)