

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: P641734

Luminaire Tested: GWS-SA6B-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-740-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17652 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

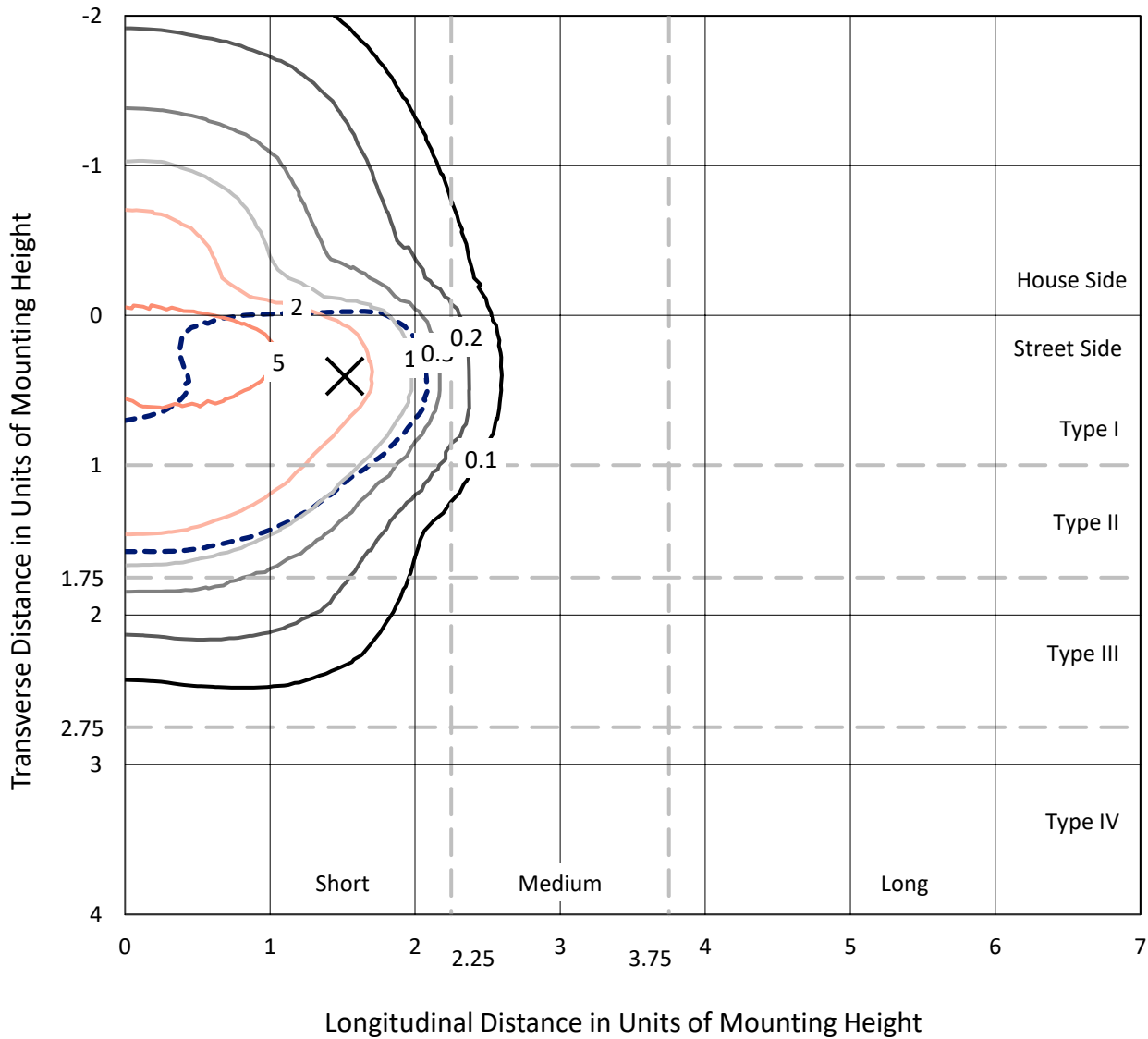
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

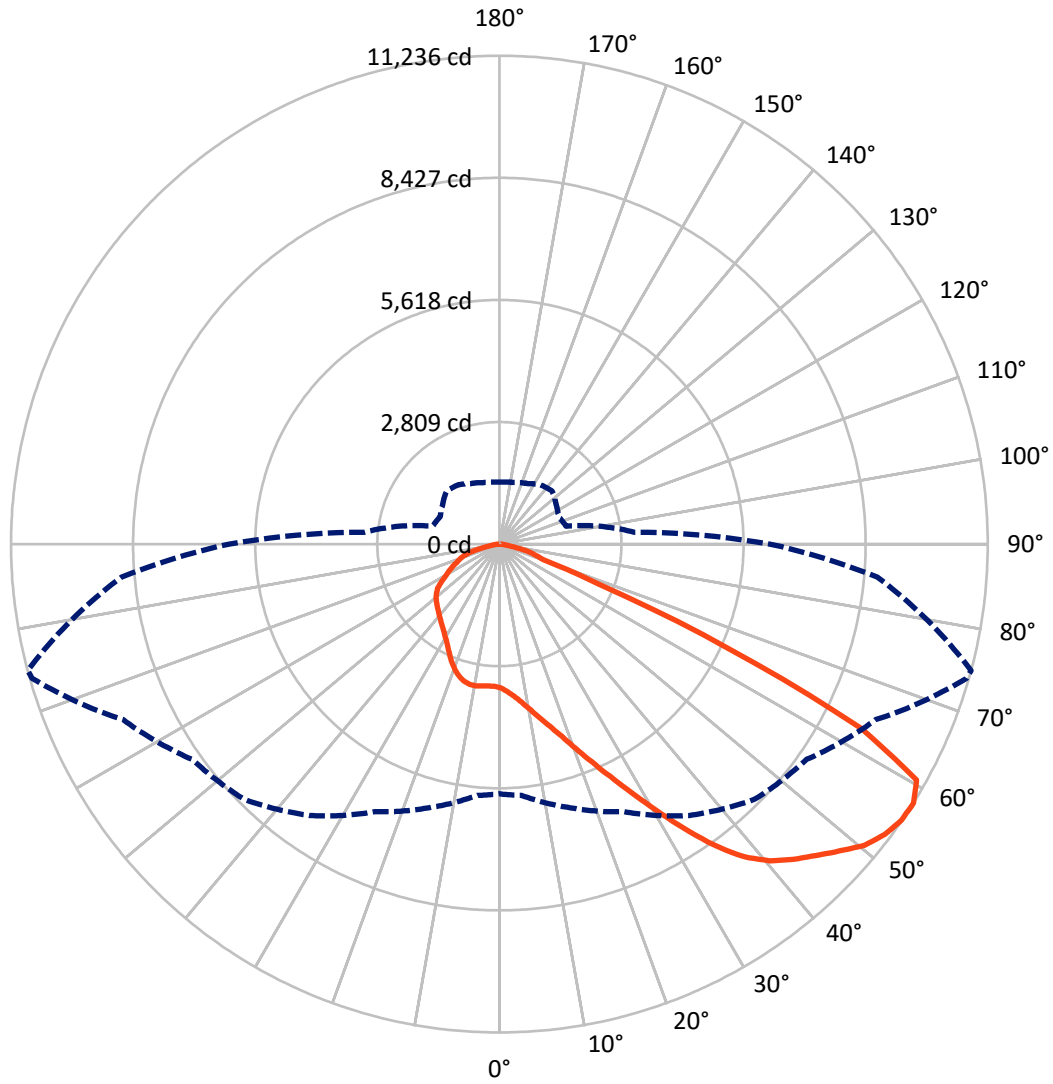
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4775.2	0.0	4775.2
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	12876.8	0.0	12876.8
	% Fixture	72.9	0.0	72.9
Total	Lumens	17652.0	0.0	17652.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.8	1.9
10°-20°	1053.2	6.0
20°-30°	1867.9	10.6
30°-40°	2859.4	16.2
40°-50°	3981.5	22.6
50°-60°	4562.0	25.8
60°-70°	2344.0	13.3
70°-80°	590.1	3.3
80°-90°	63.1	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°	17652.0	100.0
0°-180°	17652.0	100.0

Coefficient of Utilization



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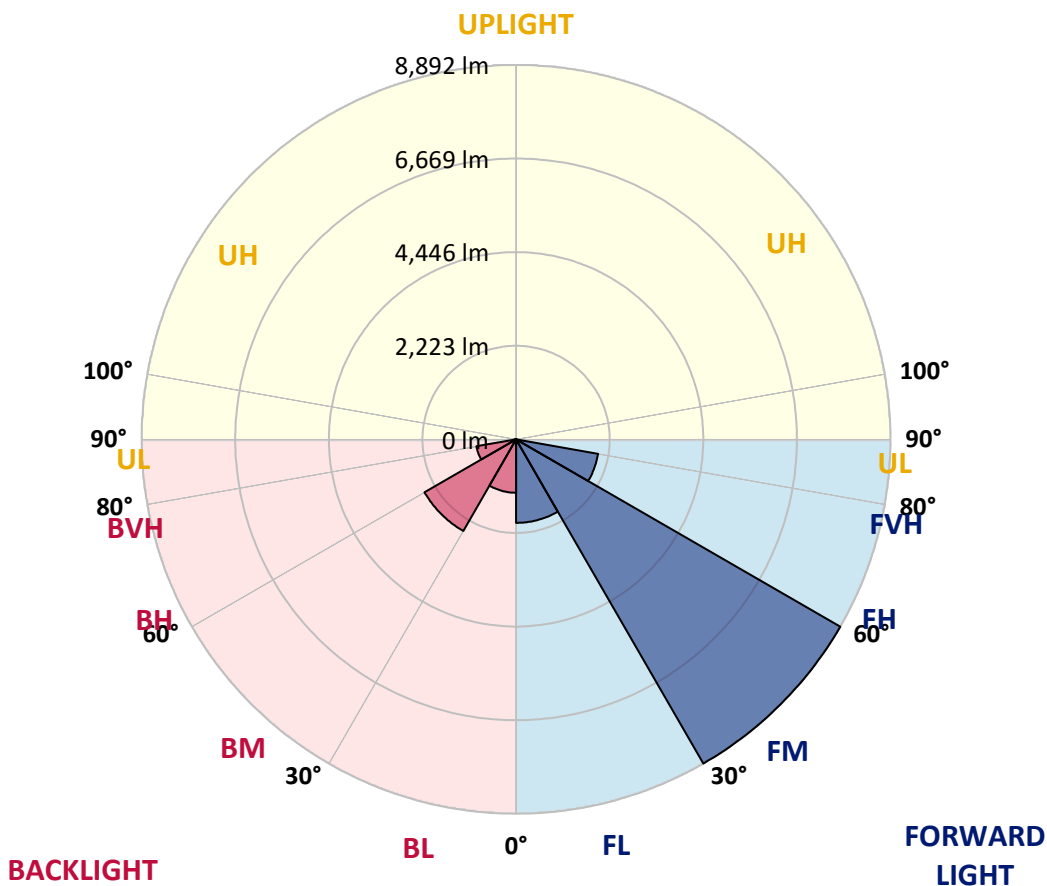
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1983.3	11.2			
FM (30°-60°)	8891.5	50.4			
FH (60°-80°)	1978.6	11.2			G2/5000
FVH (80°-90°)	23.3	0.1			G1/100
BL (0°-30°)	1268.6	7.2	B3/2500		
BM (30°-60°)	2511.3	14.2	B3/5000		
BH (60°-80°)	955.5	5.4	B2/1000		G2/1000
BVH (80°-90°)	39.7	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8
2.5°	3551.7	3560.8	3551.7	3566.9	3536.5	3522.8	3489.5	3439.4	3399.9	3393.8	3349.8
5°	3827.9	3847.7	3835.5	3829.4	3788.5	3758.1	3708.0	3607.8	3525.9	3513.7	3427.2
7.5°	4005.5	4019.2	4019.2	4023.7	4008.5	3973.6	3920.5	3802.1	3686.8	3668.6	3538.0
10°	4064.7	4075.3	4095.1	4133.0	4163.4	4174.0	4139.1	4025.2	3884.1	3865.9	3683.7
12.5°	4078.4	4090.5	4120.9	4190.7	4274.2	4350.1	4356.1	4272.6	4114.8	4095.1	3852.2
15°	4104.2	4116.3	4157.3	4243.8	4366.7	4512.5	4602.0	4544.3	4369.8	4348.5	4043.5
17.5°	4101.1	4114.8	4175.5	4290.9	4456.3	4667.3	4840.3	4864.6	4684.0	4647.5	4260.5
20°	4093.5	4105.7	4170.9	4312.1	4517.0	4806.9	5119.6	5245.6	5051.3	5017.9	4514.0
22.5°	4154.3	4167.9	4218.0	4334.9	4548.9	4914.7	5377.6	5681.2	5486.9	5439.8	4805.4
25°	4290.9	4310.6	4340.9	4421.4	4606.6	5010.3	5641.7	6174.5	5975.6	5919.5	5122.6
27.5°	4501.8	4526.1	4568.6	4606.6	4735.6	5131.7	5904.3	6726.9	6528.1	6468.9	5458.1
30°	4759.9	4791.7	4846.4	4872.2	4960.2	5310.8	6189.6	7296.1	7180.8	7098.8	5836.0
32.5°	5116.5	5160.6	5212.2	5219.8	5272.9	5582.5	6472.0	7860.8	7859.2	7801.6	6265.5
35°	5581.0	5628.0	5638.7	5649.3	5675.1	5955.9	6813.5	8375.3	8574.1	8507.3	6733.0
37.5°	6087.9	6156.2	6172.9	6125.9	6162.3	6405.2	7197.5	8788.1	9196.4	9125.1	7185.3
40°	6629.8	6657.1	6702.7	6628.3	6673.8	6919.7	7573.9	9052.2	9660.9	9585.0	7542.0
42.5°	7018.4	7068.5	7136.8	7109.4	7135.2	7359.9	7838.0	9179.7	9991.8	9915.9	7798.5
45°	7440.3	7455.5	7499.5	7493.4	7508.6	7718.1	8027.7	9235.9	10287.7	10219.4	8017.1
47.5°	7807.6	7830.4	7859.2	7825.8	7792.4	7929.1	8182.5	9284.5	10629.2	10547.3	8246.3
50°	8161.3	8181.0	8215.9	8118.8	7994.3	8029.2	8258.4	9351.2	10949.5	10891.8	8426.9
52.5°	8226.5	8247.8	8411.7	8431.4	8272.1	8149.1	8392.0	9498.5	11137.7	11101.3	8492.2
55°	7405.4	7443.4	7769.7	8144.6	8537.7	8498.2	8606.0	9575.9	11212.1	11221.2	8609.0
57.5°	5748.0	5802.6	6279.2	6793.7	7620.9	8305.5	8633.3	9556.1	11186.3	11236.4	8728.9
60°	3770.2	3802.1	4366.7	4943.5	5801.1	6748.2	7727.2	9201.0	10957.1	11028.4	8698.6
62.5°	2276.7	2313.1	2767.0	3204.1	3709.5	4342.5	5241.0	7394.8	9184.3	9343.7	6966.8
65°	1589.1	1637.7	2035.4	2395.1	2569.7	2439.1	2654.7	4130.0	5722.2	5788.9	4257.5
67.5°	1152.0	1185.4	1511.7	1939.8	2132.5	1722.7	1312.9	1829.0	2492.2	2516.5	1756.1
70°	754.4	792.3	1088.3	1476.8	1740.9	1396.4	982.0	989.6	1048.8	1061.0	1020.0
72.5°	414.4	437.1	672.4	980.5	1029.1	834.8	766.5	822.7	863.6	863.6	874.3
75°	214.0	233.7	274.7	323.3	390.1	456.9	552.5	636.0	680.0	683.0	678.5
77.5°	109.3	116.9	147.2	159.4	174.5	203.4	264.1	338.5	377.9	393.1	390.1
80°	51.6	54.6	62.2	72.9	89.6	113.8	142.7	170.0	194.3	197.3	214.0
82.5°	27.3	30.4	33.4	39.5	48.6	60.7	83.5	100.2	115.4	118.4	132.0
85°	10.6	12.1	13.7	15.2	21.2	25.8	34.9	47.1	57.7	57.7	68.3
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	6.1	7.6	10.6	10.6	18.2
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°	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8	3305.8
2.5°	3339.2	3295.2	3275.4	3243.6	3217.8	3188.9	3166.2	3149.5	3138.8	3132.8	3126.7
5°	3393.8	3327.0	3273.9	3210.2	3166.2	3123.7	3088.7	3064.5	3052.3	3043.2	3037.1
7.5°	3478.8	3389.3	3289.1	3190.4	3113.0	3044.7	3000.7	2974.9	2958.2	2952.1	2947.6
10°	3595.7	3471.2	3305.8	3149.5	3034.1	2959.7	2929.4	2917.2	2918.8	2915.7	2914.2
12.5°	3727.7	3557.8	3301.2	3076.6	2949.1	2905.1	2906.6	2926.3	2949.1	2955.2	2956.7
15°	3870.4	3642.8	3257.2	2982.5	2882.3	2886.9	2926.3	2973.4	3015.9	3032.6	3035.6
17.5°	4025.2	3714.1	3176.8	2879.3	2827.7	2876.3	2949.1	3026.5	3088.7	3116.1	3123.7
20°	4198.3	3774.8	3062.9	2777.6	2776.1	2856.5	2962.8	3064.5	3143.4	3179.8	3185.9
22.5°	4381.9	3812.7	2923.3	2683.5	2723.0	2830.7	2952.1	3058.4	3141.9	3178.3	3185.9
25°	4567.1	3824.9	2770.0	2597.0	2668.3	2789.7	2900.5	2985.5	3064.5	3096.3	3102.4
27.5°	4740.1	3790.0	2624.3	2522.6	2618.2	2729.0	2803.4	2848.9	2903.6	2927.9	2932.4
30°	4916.2	3720.2	2501.4	2463.4	2562.1	2645.5	2678.9	2682.0	2703.2	2703.2	2706.3
32.5°	5093.8	3616.9	2393.6	2405.7	2492.2	2546.9	2551.4	2516.5	2490.7	2448.2	2446.7
35°	5298.7	3512.2	2305.6	2340.5	2410.3	2443.7	2430.0	2363.2	2301.0	2231.2	2228.1
37.5°	5488.4	3404.5	2231.2	2273.7	2317.7	2342.0	2310.1	2229.7	2178.1	2106.7	2096.1
40°	5644.7	3307.3	2159.8	2203.9	2225.1	2246.4	2194.8	2129.5	2137.1	2097.6	2096.1
42.5°	5735.8	3213.2	2093.1	2126.5	2140.1	2155.3	2109.8	2061.2	2102.2	2071.8	2073.3
45°	5802.6	3131.2	2032.4	2044.5	2077.9	2100.7	2058.2	2003.5	2012.6	1895.7	1868.4
47.5°	5878.5	3085.7	1974.7	1962.5	2021.7	2061.2	1995.9	1917.0	1862.4	1747.0	1736.4
50°	5958.9	3069.0	1914.0	1880.6	1951.9	1989.9	1914.0	1815.3	1744.0	1681.7	1675.7
52.5°	5986.3	3067.5	1838.1	1781.9	1853.2	1906.4	1842.6	1742.4	1657.5	1596.7	1593.7
55°	6094.0	3111.5	1740.9	1646.8	1713.6	1822.9	1775.8	1631.6	1563.3	1536.0	1533.0
57.5°	6220.0	3119.1	1587.6	1499.6	1592.2	1721.2	1662.0	1537.5	1463.2	1429.8	1426.7
60°	6168.4	2932.4	1423.7	1387.3	1489.0	1625.6	1570.9	1463.2	1376.7	1344.8	1341.7
62.5°	4700.7	2070.3	1303.8	1290.1	1378.2	1487.5	1476.8	1364.5	1282.6	1259.8	1256.7
65°	2827.7	1454.1	1188.4	1186.9	1249.2	1353.9	1367.5	1276.5	1190.0	1158.1	1158.1
67.5°	1397.9	1112.6	1057.9	1050.3	1089.8	1164.2	1221.8	1147.5	1074.6	1044.3	1039.7
70°	988.1	980.5	962.3	941.0	948.6	979.0	1003.3	941.0	863.6	833.3	827.2
72.5°	854.5	856.0	843.9	827.2	821.1	799.9	778.6	733.1	686.1	654.2	657.2
75°	663.3	666.3	673.9	667.8	651.1	628.4	605.6	547.9	510.0	479.6	473.6
77.5°	387.0	402.2	426.5	420.4	423.5	391.6	382.5	326.3	291.4	270.2	265.6
80°	218.6	227.7	238.3	245.9	236.8	223.1	203.4	173.0	162.4	147.2	144.2
82.5°	132.0	141.2	145.7	151.8	148.7	130.5	115.4	95.6	86.5	78.9	77.4
85°	66.8	72.9	77.4	80.4	71.3	59.2	53.1	42.5	36.4	31.9	31.9
87.5°	16.7	18.2	21.2	18.2	16.7	7.6	6.1	1.5	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)