

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: P642155

Luminaire Tested: GWS-SA6C-735-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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: 23852.7 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

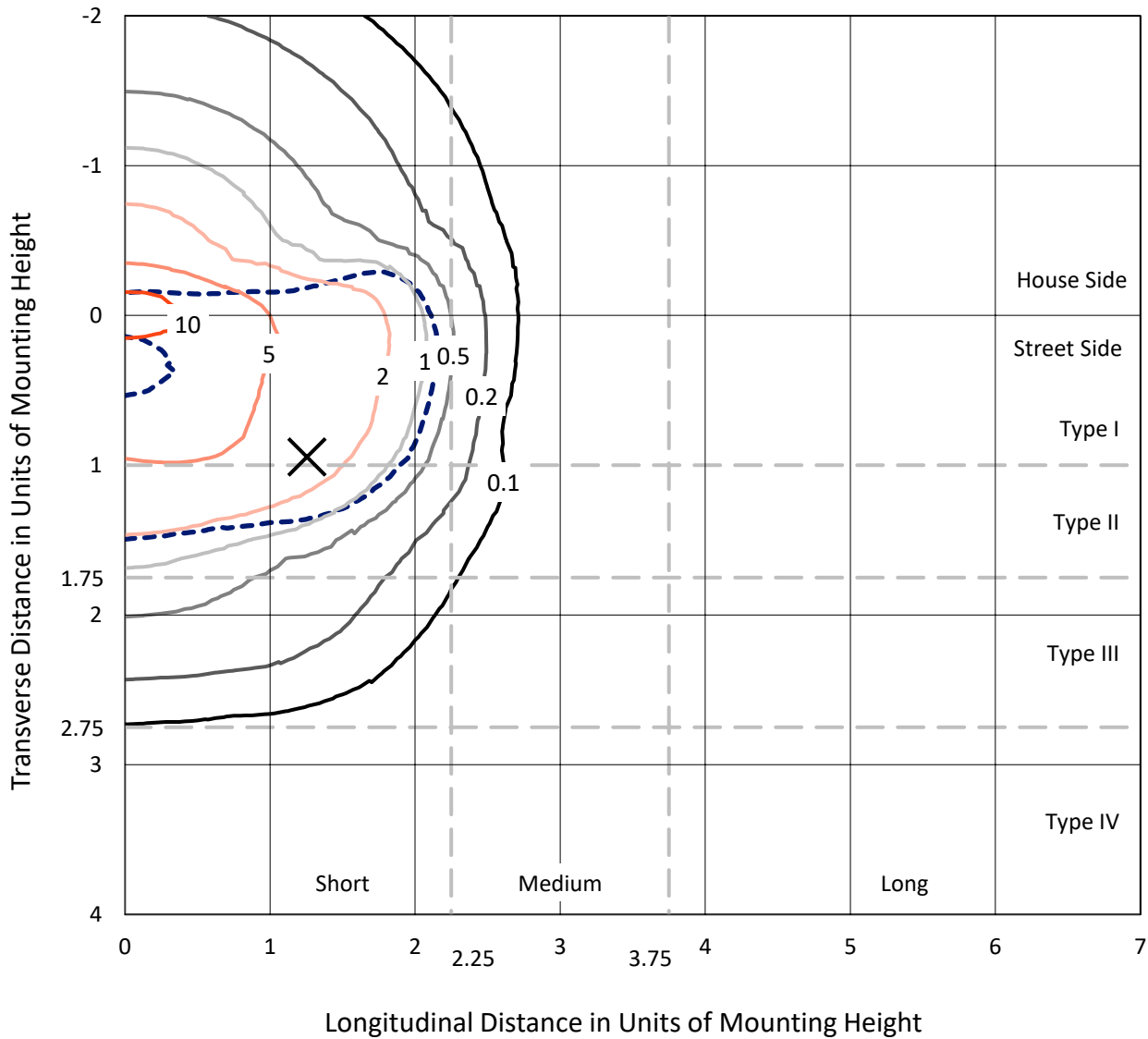
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

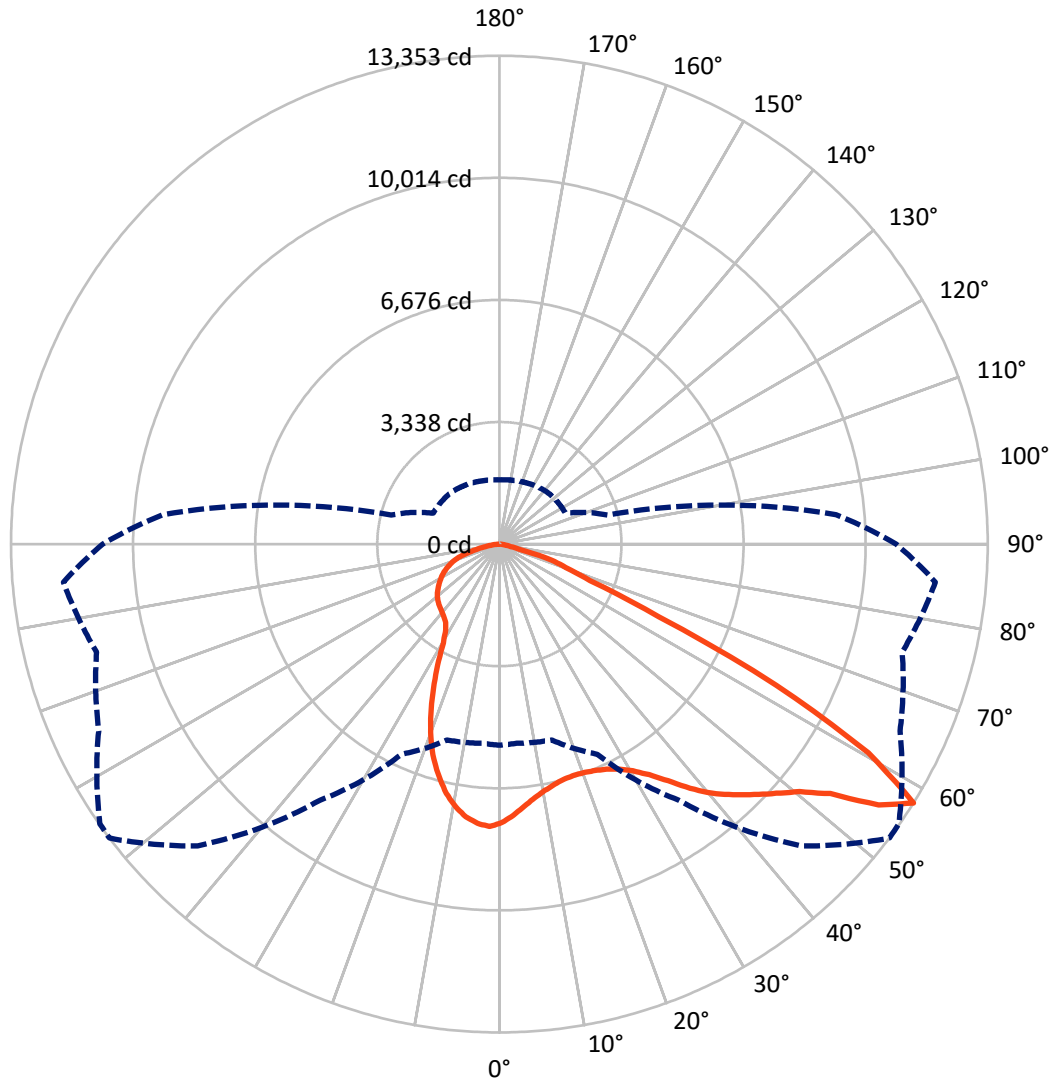
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7457.9	0.0	7457.9
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	16394.8	0.0	16394.8
	% Fixture	68.7	0.0	68.7
Total	Lumens	23852.7	0.0	23852.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.8	2.9
10°-20°	1807.1	7.6
20°-30°	2662.4	11.2
30°-40°	3726.7	15.6
40°-50°	4899.0	20.5
50°-60°	5744.1	24.1
60°-70°	3383.9	14.2
70°-80°	841.8	3.5
80°-90°	98.8	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°	23852.7	100.0
0°-180°	23852.7	100.0

Coefficient of Utilization



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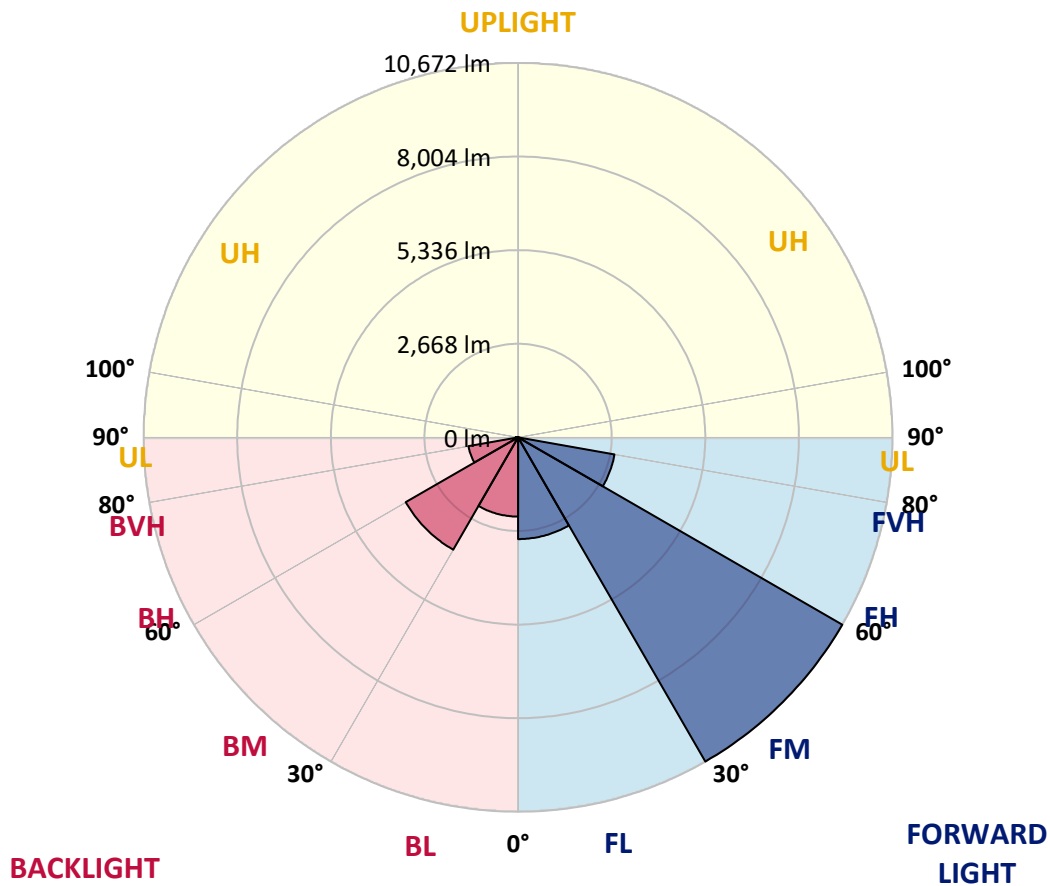
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2900.0	12.2			
FM (30°-60°)	10671.9	44.7			
FH (60°-80°)	2789.9	11.7			G2/5000
FVH (80°-90°)	33.1	0.1			G1/100
BL (0°-30°)	2258.3	9.5	B3/2500		
BM (30°-60°)	3698.0	15.5	B3/5000		
BH (60°-80°)	1435.9	6.0	B3/2500		G3/2500
BVH (80°-90°)	65.7	0.3			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°	53°	55°	65°	75°	85°
0°	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8
2.5°	7179.2	7199.2	7203.2	7265.5	7269.5	7359.8	7420.1	7408.0	7470.3	7546.5	7606.8
5°	6835.9	6837.9	6857.9	6932.2	6972.4	7090.8	7191.2	7191.2	7311.7	7468.2	7602.8
7.5°	6552.8	6550.8	6568.8	6651.2	6717.4	6859.9	6996.5	7012.5	7181.2	7410.0	7628.9
10°	6289.8	6303.8	6323.9	6424.3	6508.6	6685.3	6847.9	6874.0	7086.8	7369.9	7665.0
12.5°	6121.2	6123.2	6153.3	6265.7	6374.1	6562.8	6733.5	6765.6	7010.5	7331.7	7691.1
15°	6012.7	6014.8	6046.9	6171.3	6297.8	6488.5	6663.2	6699.3	6966.4	7325.7	7741.3
17.5°	5964.6	5962.6	5992.7	6117.1	6255.7	6454.4	6641.1	6685.3	6986.4	7371.9	7829.6
20°	5964.6	5966.6	5982.6	6095.1	6235.6	6446.4	6663.2	6717.4	7064.7	7476.3	7966.1
22.5°	6048.9	6056.9	6064.9	6141.2	6251.6	6458.4	6721.4	6793.7	7233.4	7650.9	8144.8
25°	6213.5	6215.5	6223.5	6285.8	6336.0	6492.6	6817.8	6926.2	7496.4	7905.9	8369.7
27.5°	6434.3	6462.4	6470.5	6510.6	6510.6	6576.9	6968.4	7125.0	7851.7	8273.3	8656.7
30°	6743.5	6753.5	6767.6	6811.8	6763.6	6735.5	7189.2	7390.0	8263.3	8717.0	9002.1
32.5°	7014.5	7036.6	7112.9	7185.2	7098.9	7010.5	7514.4	7751.3	8658.8	9178.7	9369.4
35°	7245.4	7299.6	7446.2	7606.8	7546.5	7458.2	7946.1	8193.0	8984.0	9510.0	9694.7
37.5°	7524.5	7566.6	7767.4	8028.4	8082.6	8040.4	8472.0	8648.7	9200.8	9594.3	9871.3
40°	7807.5	7871.8	8130.8	8492.1	8698.9	8729.0	8957.9	9076.3	9275.1	9429.7	9837.2
42.5°	8096.6	8207.0	8562.4	8984.0	9351.4	9419.6	9367.4	9417.6	9251.0	9202.8	9678.6
45°	8450.0	8580.5	8982.0	9520.0	10003.8	10110.2	9769.0	9722.8	9247.0	9116.5	9580.2
47.5°	8867.5	8998.0	9381.5	10007.9	10626.2	10704.5	10180.5	10096.2	9387.5	9249.0	9712.7
50°	9236.9	9327.3	9670.6	10371.2	11206.4	11252.6	10634.2	10531.8	9736.8	9616.4	10126.3
52.5°	8861.5	8851.5	9212.8	10076.1	11507.5	12063.6	11332.9	11234.5	10411.4	10226.7	10766.7
55°	7518.4	7404.0	7727.2	8576.4	10666.3	12784.4	12585.6	12388.9	11310.8	10841.0	11367.0
57.5°	5496.8	5464.7	5543.0	6340.0	8544.3	11668.1	13352.5	13334.4	12087.7	11403.1	11965.3
60°	4298.3	4250.1	4041.3	4063.4	5824.0	9114.5	11587.8	12119.8	12569.5	11740.4	12382.8
62.5°	3816.4	3780.3	3671.9	3372.8	3469.1	6111.1	8494.1	8982.0	10983.5	10369.2	10636.2
65°	3160.0	3149.9	3240.3	3228.2	2907.0	3374.8	4794.1	5286.0	6906.1	6992.4	6906.1
67.5°	2296.7	2278.6	2507.5	2959.2	2798.6	2547.6	2672.1	2842.8	3541.4	3180.0	2862.8
70°	1493.6	1467.6	1600.1	2138.1	2505.5	2220.4	1925.3	1897.2	1947.4	1210.6	1309.0
72.5°	1001.8	971.7	969.7	1176.5	1513.7	1495.7	1491.6	1477.6	1319.0	955.6	1060.0
75°	558.1	534.0	528.0	507.9	542.1	552.1	588.2	608.3	658.5	724.7	803.0
77.5°	94.4	92.3	116.4	148.6	204.8	263.0	325.2	343.3	423.6	501.9	552.1
80°	52.2	54.2	70.3	86.3	114.4	156.6	200.8	212.8	261.0	303.1	343.3
82.5°	28.1	28.1	36.1	46.2	62.2	82.3	108.4	118.4	150.6	176.7	204.8
85°	10.0	10.0	14.1	18.1	26.1	34.1	42.2	48.2	66.3	90.3	102.4
87.5°	0.0	0.0	0.0	0.0	2.0	4.0	8.0	8.0	10.0	18.1	26.1
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°	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8	7616.8
2.5°	7657.0	7602.8	7677.0	7711.2	7723.2	7731.2	7679.0	7642.9	7630.9	7592.7	7570.6
5°	7685.1	7648.9	7719.2	7719.2	7669.0	7616.8	7510.4	7436.1	7383.9	7321.7	7311.7
7.5°	7733.3	7707.2	7745.3	7667.0	7540.5	7400.0	7215.3	7070.7	6954.3	6878.0	6880.0
10°	7797.5	7765.4	7735.3	7560.6	7329.7	7070.7	6787.7	6576.9	6384.1	6295.8	6247.6
12.5°	7839.7	7793.5	7667.0	7377.9	7038.6	6691.3	6291.8	5978.6	5699.6	5573.1	5563.0
15°	7891.9	7807.5	7554.6	7141.0	6669.2	6195.4	5681.5	5245.8	4868.4	4671.7	4661.6
17.5°	7960.1	7821.6	7420.1	6870.0	6279.8	5581.1	4934.7	4386.6	3985.1	3832.5	3858.6
20°	8056.5	7837.6	7267.5	6568.8	5795.9	4882.5	4077.4	3573.5	3418.9	3408.9	3388.8
22.5°	8164.9	7847.7	7098.9	6231.6	5209.7	4137.7	3368.7	3153.9	3151.9	3202.1	3214.2
25°	8287.3	7855.7	6908.1	5838.1	4575.3	3394.8	2979.3	2915.0	2965.2	3059.6	3071.6
27.5°	8443.9	7871.8	6677.3	5406.5	3900.8	2933.1	2764.5	2748.4	2808.6	2897.0	2892.9
30°	8674.8	7930.0	6432.3	4910.6	3208.1	2714.3	2634.0	2636.0	2660.1	2702.2	2708.2
32.5°	8909.7	8020.3	6193.4	4352.5	2810.6	2589.8	2553.7	2549.6	2549.6	2567.7	2571.7
35°	9132.5	8122.7	5934.4	3770.3	2617.9	2517.5	2493.4	2481.4	2475.4	2471.3	2465.3
37.5°	9257.0	8172.9	5681.5	3196.1	2515.5	2469.3	2445.2	2429.2	2407.1	2391.0	2387.0
40°	9202.8	8114.7	5388.4	2766.5	2453.3	2423.2	2395.1	2373.0	2342.9	2328.8	2320.8
42.5°	9022.1	7934.0	5069.2	2563.7	2403.1	2373.0	2338.8	2302.7	2282.6	2270.6	2268.6
45°	8831.4	7715.2	4683.7	2445.2	2354.9	2318.8	2278.6	2238.5	2216.4	2210.4	2208.4
47.5°	8825.4	7606.8	4274.2	2350.9	2296.7	2260.6	2210.4	2170.2	2146.1	2138.1	2130.1
50°	9090.4	7717.2	3812.4	2268.6	2236.5	2198.3	2142.1	2097.9	2067.8	2057.8	2055.8
52.5°	9640.5	8132.8	3398.9	2186.3	2156.2	2112.0	2065.8	2021.6	1985.5	1967.4	1965.4
55°	10234.7	8660.8	3141.9	2102.0	2061.8	2023.7	1981.5	1933.3	1893.2	1865.1	1861.0
57.5°	10849.0	9236.9	3063.6	1995.5	1965.4	1939.3	1889.1	1836.9	1790.8	1764.7	1758.7
60°	11355.0	9732.8	3210.1	1883.1	1867.1	1832.9	1786.8	1736.6	1704.4	1684.4	1680.4
62.5°	9506.0	7924.0	2591.8	1760.7	1760.7	1724.5	1672.3	1636.2	1614.1	1600.1	1596.0
65°	6032.8	4906.6	1768.7	1638.2	1636.2	1588.0	1543.8	1519.7	1509.7	1487.6	1483.6
67.5°	2627.9	2242.5	1511.7	1513.7	1505.7	1453.5	1409.3	1391.3	1371.2	1347.1	1345.1
70°	1363.2	1389.3	1353.1	1375.2	1361.1	1298.9	1256.8	1228.6	1186.5	1162.4	1164.4
72.5°	1100.2	1128.3	1168.4	1202.5	1172.4	1122.2	1056.0	1021.9	967.7	941.6	943.6
75°	839.2	869.3	907.4	943.6	919.5	857.2	815.1	781.0	718.7	688.6	694.6
77.5°	578.2	594.2	640.4	638.4	630.4	612.3	550.1	509.9	445.7	409.5	413.6
80°	359.4	369.4	391.5	401.5	397.5	373.4	323.2	293.1	255.0	232.9	234.9
82.5°	216.8	222.8	242.9	244.9	242.9	224.9	186.7	164.6	140.5	128.5	128.5
85°	110.4	114.4	126.5	126.5	114.4	96.4	86.3	76.3	62.2	56.2	56.2
87.5°	30.1	30.1	38.1	32.1	26.1	24.1	12.0	10.0	4.0	2.0	2.0
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)