

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: P642709

Luminaire Tested: GWS-SA6D-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29998.8 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

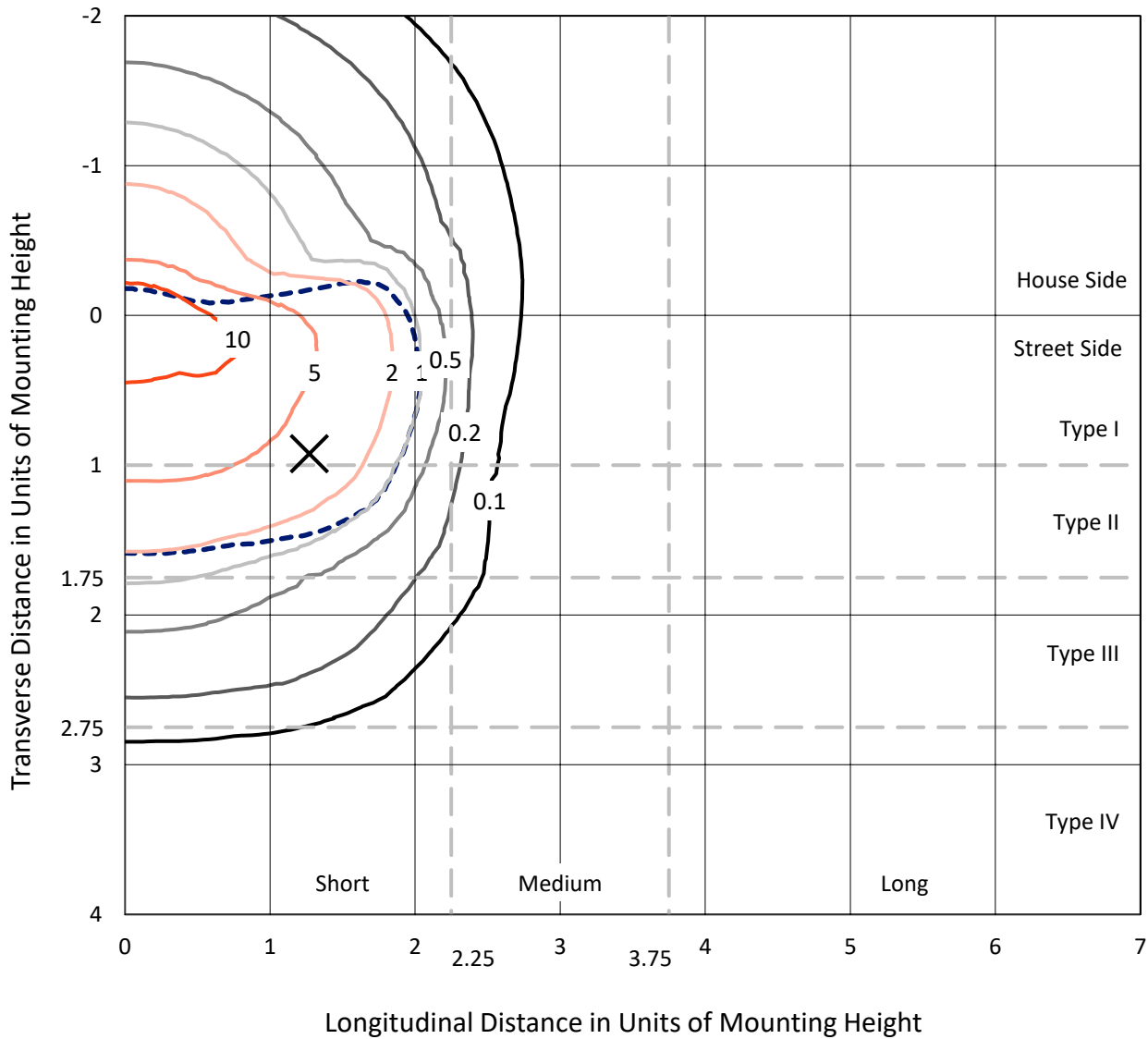
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

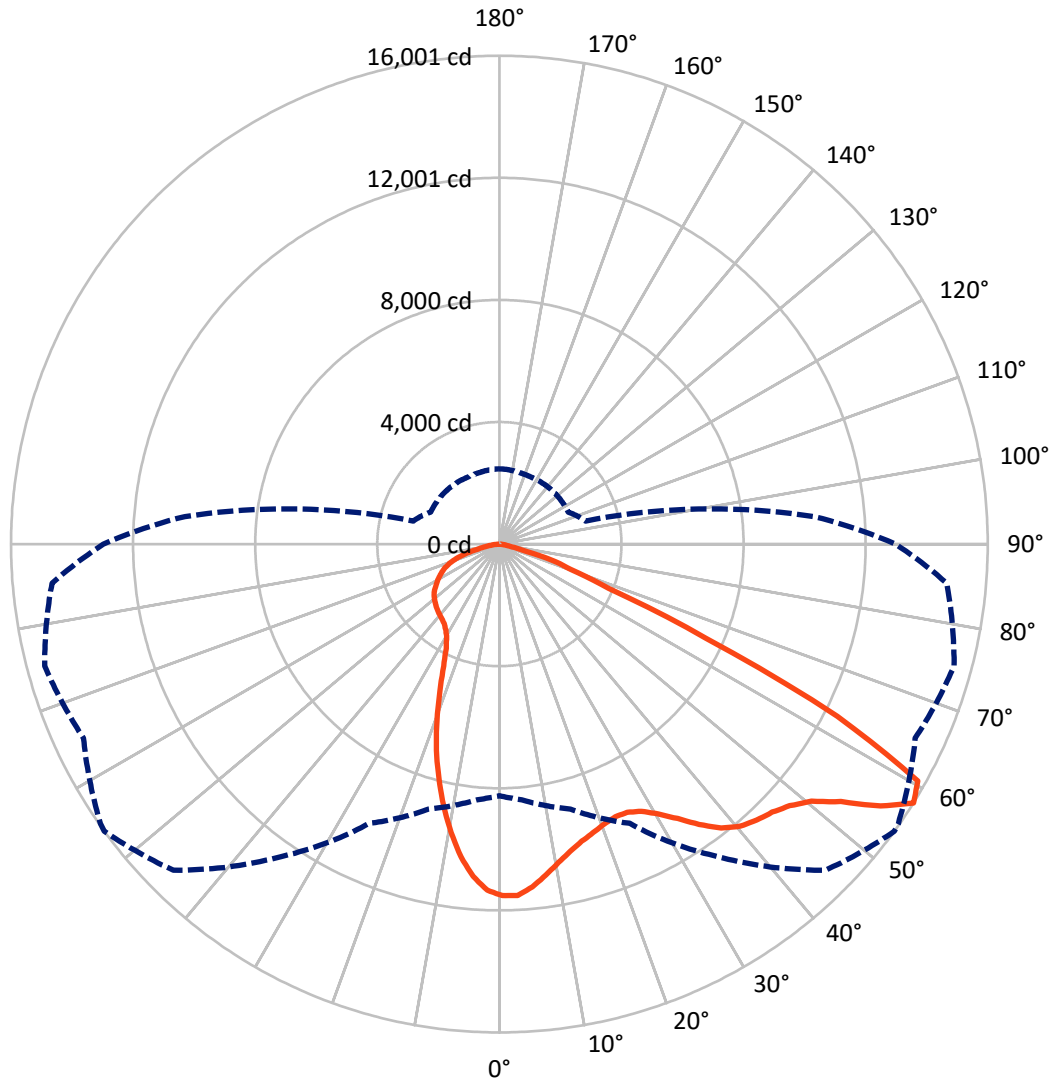
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8721.0	0.0	8721.0
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	21277.8	0.0	21277.8
	% Fixture	70.9	0.0	70.9
Total	Lumens	29998.8	0.0	29998.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1012.3	3.4
10°-20°	2415.6	8.1
20°-30°	3342.8	11.1
30°-40°	4644.9	15.5
40°-50°	6134.5	20.4
50°-60°	7289.9	24.3
60°-70°	4038.7	13.5
70°-80°	1005.7	3.4
80°-90°	114.4	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°	29998.8	100.0
0°-180°	29998.8	100.0

Coefficient of Utilization



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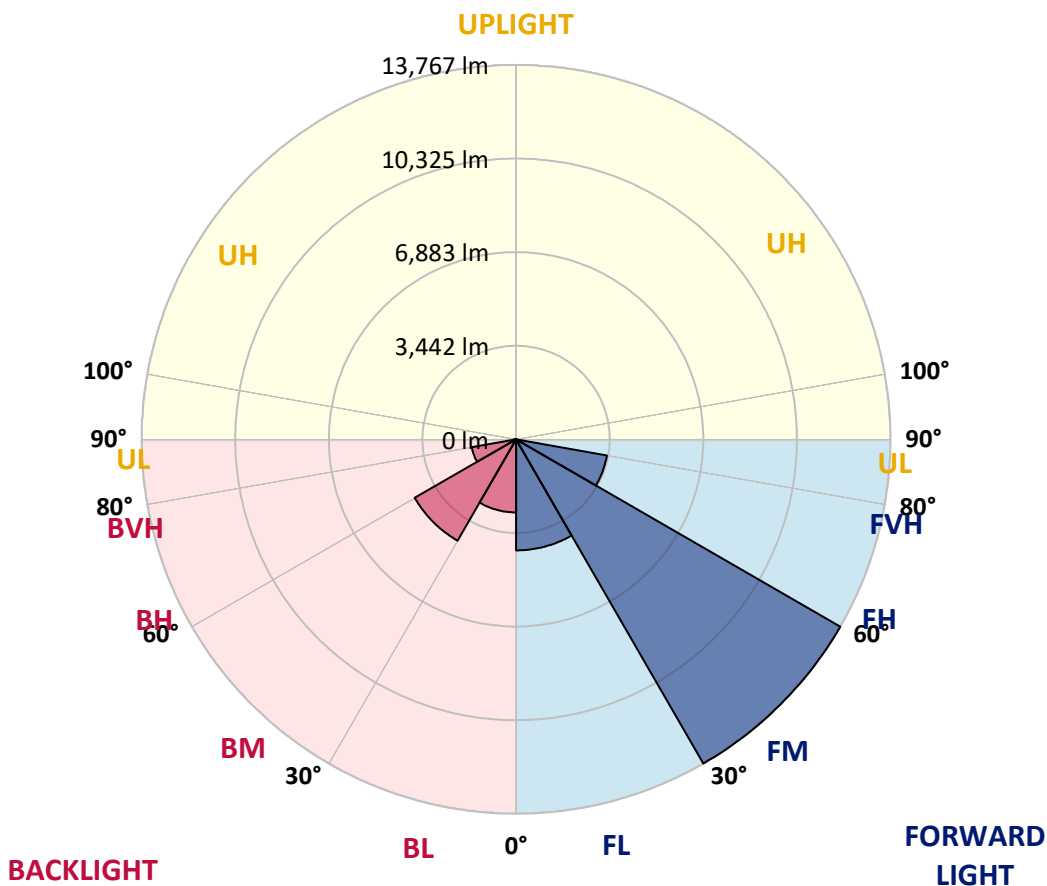
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4083.3	13.6			
FM (30°-60°)	13766.9	45.9			
FH (60°-80°)	3391.8	11.3			G2/5000
FVH (80°-90°)	35.8	0.1			G1/100
BL (0°-30°)	2687.5	9.0	B4/5000		
BM (30°-60°)	4302.3	14.3	B3/5000		
BH (60°-80°)	1652.7	5.5	B3/2500		G3/2500
BVH (80°-90°)	78.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2
2.5°	11301.5	11324.6	11340.0	11394.0	11440.2	11481.3	11524.9	11524.9	11522.4	11514.7	11499.2
5°	10854.7	10880.4	10916.3	10990.8	11090.9	11162.8	11281.0	11291.2	11342.6	11363.1	11352.9
7.5°	10336.0	10343.7	10389.9	10487.5	10646.7	10775.1	10944.6	10965.1	11088.4	11160.3	11147.4
10°	9768.5	9742.8	9824.9	9968.8	10176.8	10392.5	10610.7	10628.7	10826.4	10962.5	10952.3
12.5°	9249.7	9252.3	9334.5	9509.1	9768.5	10035.5	10328.3	10369.4	10613.3	10787.9	10769.9
15°	8815.7	8826.0	8926.2	9123.9	9419.2	9737.6	10102.3	10140.8	10449.0	10680.1	10628.7
17.5°	8469.1	8479.3	8566.7	8792.6	9108.5	9493.7	9937.9	9976.5	10359.1	10633.8	10528.6
20°	8230.3	8225.1	8309.9	8525.6	8851.7	9270.3	9794.1	9850.6	10330.8	10651.8	10461.8
22.5°	8132.7	8130.1	8191.7	8368.9	8674.5	9098.2	9706.8	9783.9	10361.6	10731.4	10420.7
25°	8181.5	8171.2	8225.1	8356.1	8600.0	9031.5	9732.5	9814.7	10492.6	10895.8	10428.4
27.5°	8333.0	8320.1	8366.4	8484.5	8669.4	9100.8	9912.3	10007.3	10769.9	11196.2	10531.1
30°	8564.1	8556.4	8602.6	8715.6	8877.4	9331.9	10256.4	10364.2	11198.8	11663.6	10754.5
32.5°	8833.7	8820.9	8903.1	9034.0	9221.5	9753.0	10718.6	10859.8	11707.2	12264.5	11129.5
35°	9136.7	9126.5	9239.5	9429.5	9699.1	10338.5	11278.4	11432.5	12226.0	12945.0	11627.6
37.5°	9432.1	9432.1	9650.3	9932.8	10271.8	10975.4	11804.8	11902.4	12585.5	13548.5	12161.8
40°	9694.0	9709.4	10038.1	10461.8	10893.2	11550.6	12151.5	12233.7	12744.7	13964.5	12626.6
42.5°	9984.2	9997.0	10379.6	10934.3	11447.9	12015.4	12362.1	12403.2	12775.5	14172.5	12955.3
45°	10215.3	10233.2	10708.3	11301.5	11930.7	12364.6	12529.0	12564.9	12819.2	14285.5	13194.1
47.5°	10336.0	10361.6	10906.1	11596.8	12256.8	12677.9	12803.8	12819.2	12998.9	14483.2	13481.7
50°	10315.4	10366.8	10980.5	11743.2	12498.2	12993.8	13245.4	13271.1	13366.1	14773.4	13818.1
52.5°	10497.7	10520.9	11139.7	11917.8	12842.3	13576.7	14013.3	14049.2	14005.6	14991.6	14018.4
55°	10194.7	10305.2	10942.0	11892.1	13366.1	14478.1	15150.9	15132.9	14585.9	15235.6	14352.2
57.5°	8245.7	8407.4	8990.4	10094.6	12503.3	15109.8	16000.8	15957.2	15035.3	15423.1	14714.3
60°	5708.5	5734.2	6260.6	7043.9	9650.3	13348.2	15751.8	15846.8	15117.5	15186.8	14044.1
62.5°	4565.8	4558.1	4606.9	4627.4	6137.4	9383.3	12434.0	12780.6	12559.8	11833.1	9953.3
65°	3898.1	3926.4	4070.2	3995.7	4006.0	5284.8	7429.1	7477.8	7323.8	7061.8	5264.3
67.5°	3050.7	3099.5	3353.7	3643.9	3551.5	3402.5	3854.5	3831.4	3019.9	2336.8	1931.1
70°	1910.5	1941.4	2213.6	2860.7	3091.8	2793.9	2478.1	2467.8	1617.8	1330.2	1458.6
72.5°	1114.5	1119.6	1196.7	1594.7	2051.8	1910.5	1823.2	1756.5	1040.0	1060.6	1163.3
75°	613.7	613.7	611.2	688.2	808.9	716.5	693.3	675.4	695.9	788.4	865.4
77.5°	128.4	131.0	138.7	182.3	236.3	287.6	362.1	364.6	454.5	526.4	588.1
80°	59.1	61.6	77.0	97.6	125.8	166.9	220.8	223.4	274.8	331.3	372.4
82.5°	30.8	33.4	41.1	51.4	66.8	87.3	123.3	123.3	164.3	195.2	220.8
85°	10.3	10.3	15.4	20.5	28.2	36.0	48.8	48.8	71.9	95.0	110.4
87.5°	0.0	0.0	0.0	0.0	2.6	5.1	10.3	10.3	12.8	15.4	25.7
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°	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2	11517.2
2.5°	11465.9	11386.3	11388.8	11404.2	11355.4	11281.0	11232.2	11170.5	11132.0	11124.3	11152.6
5°	11301.5	11209.1	11144.9	11078.1	10939.4	10775.1	10646.7	10541.4	10472.1	10446.4	10415.6
7.5°	11075.5	10954.8	10793.1	10605.6	10353.9	10061.2	9855.8	9663.2	9529.6	9491.1	9473.1
10°	10849.6	10674.9	10387.3	10038.1	9619.5	9224.0	8851.7	8566.7	8340.7	8212.3	8253.4
12.5°	10615.9	10400.2	9950.8	9414.1	8831.2	8235.4	7747.5	7275.0	6910.3	6728.0	6674.1
15°	10410.4	10117.7	9491.1	8764.4	7988.9	7239.0	6532.8	5824.1	5361.9	5110.2	5040.9
17.5°	10235.8	9855.8	9005.8	8101.9	7174.8	6106.6	5238.6	4581.2	4265.4	4126.7	4116.4
20°	10063.8	9599.0	8525.6	7388.0	6235.0	5038.3	4262.8	3954.6	3841.6	3792.9	3790.3
22.5°	9909.7	9329.3	8019.7	6674.1	5300.2	4234.5	3808.3	3674.7	3643.9	3643.9	3638.8
25°	9778.7	9059.7	7501.0	5916.5	4455.4	3769.7	3572.0	3515.5	3528.4	3551.5	3554.0
27.5°	9724.8	8849.1	7000.2	5138.5	3872.5	3500.1	3410.2	3402.5	3438.5	3474.4	3479.6
30°	9781.3	8705.3	6486.6	4393.7	3523.2	3335.8	3294.7	3310.1	3353.7	3389.7	3389.7
32.5°	9955.9	8633.4	5962.8	3849.3	3320.3	3220.2	3207.4	3222.8	3256.2	3276.7	3279.3
35°	10251.2	8661.7	5420.9	3482.1	3189.4	3135.5	3132.9	3143.2	3156.0	3168.8	3171.4
37.5°	10623.6	8787.5	4840.6	3269.0	3104.6	3073.8	3068.7	3066.1	3068.7	3068.7	3071.3
40°	10988.2	8977.5	4321.8	3143.2	3045.6	3019.9	3007.1	2989.1	2986.5	2981.4	2978.8
42.5°	11257.9	9123.9	3908.4	3053.3	2991.7	2960.8	2945.4	2917.2	2914.6	2912.0	2909.5
45°	11460.7	9247.2	3564.3	2966.0	2935.2	2906.9	2873.5	2847.8	2853.0	2858.1	2858.1
47.5°	11689.3	9355.0	3312.6	2883.8	2865.8	2837.6	2796.5	2778.5	2796.5	2814.5	2814.5
50°	11966.6	9506.5	3107.2	2801.6	2793.9	2760.5	2724.6	2716.9	2737.4	2763.1	2763.1
52.5°	12169.5	9637.5	2960.8	2719.5	2719.5	2675.8	2645.0	2642.4	2665.5	2691.2	2693.8
55°	12549.5	9943.1	2909.5	2624.4	2614.2	2580.8	2557.7	2539.7	2567.9	2591.1	2591.1
57.5°	12978.4	10348.8	2922.3	2488.3	2475.5	2465.2	2447.2	2426.7	2434.4	2460.1	2462.7
60°	12069.3	9563.0	2781.1	2352.2	2344.5	2339.4	2316.3	2280.3	2290.6	2311.1	2313.7
62.5°	8430.6	6355.7	2249.5	2182.8	2208.4	2205.9	2175.0	2134.0	2136.5	2164.8	2164.8
65°	4375.8	3438.5	1974.7	2028.7	2067.2	2051.8	2000.4	1964.5	1959.3	1995.3	1987.6
67.5°	1887.4	1877.2	1797.6	1866.9	1908.0	1874.6	1820.7	1761.6	1766.7	1779.6	1769.3
70°	1520.2	1566.4	1599.8	1674.3	1707.7	1646.1	1587.0	1553.6	1525.4	1522.8	1504.8
72.5°	1214.6	1278.8	1353.3	1430.3	1440.6	1379.0	1304.5	1273.7	1230.0	1227.5	1209.5
75°	914.2	968.1	1027.2	1088.8	1088.8	1029.7	981.0	965.5	914.2	898.8	883.4
77.5°	624.0	657.4	703.6	719.0	734.4	711.3	662.5	636.8	577.8	562.4	541.8
80°	392.9	416.0	444.3	454.5	469.9	441.7	403.2	374.9	333.8	321.0	310.7
82.5°	236.3	251.7	269.6	274.8	287.6	267.1	231.1	210.6	187.5	177.2	169.5
85°	120.7	128.4	138.7	141.2	138.7	118.1	105.3	95.0	79.6	77.0	71.9
87.5°	30.8	36.0	38.5	36.0	33.4	25.7	18.0	12.8	5.1	5.1	2.6
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)