

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: P642320

Luminaire Tested: GWS-SA6C-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642320
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24399.4 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

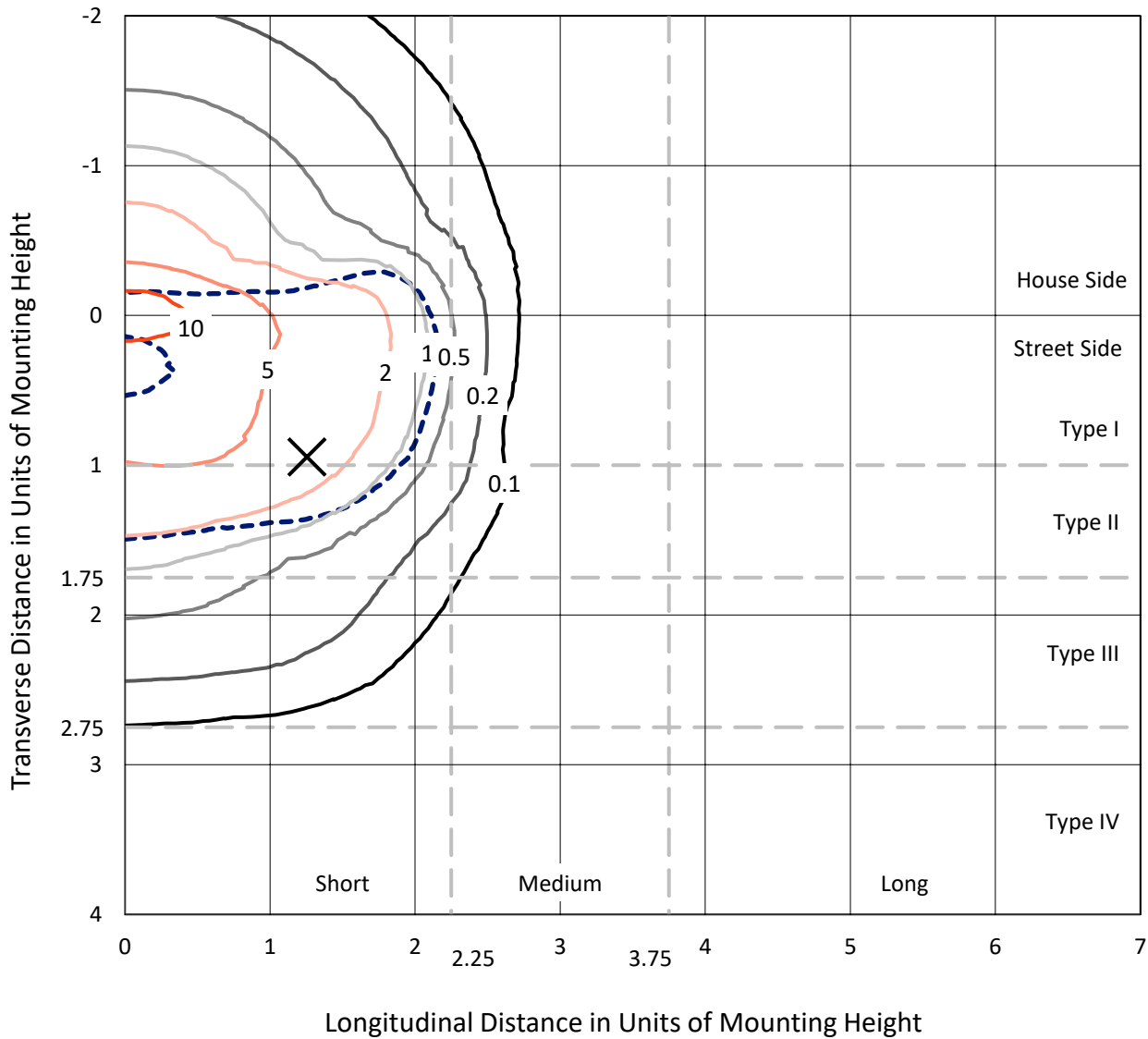
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

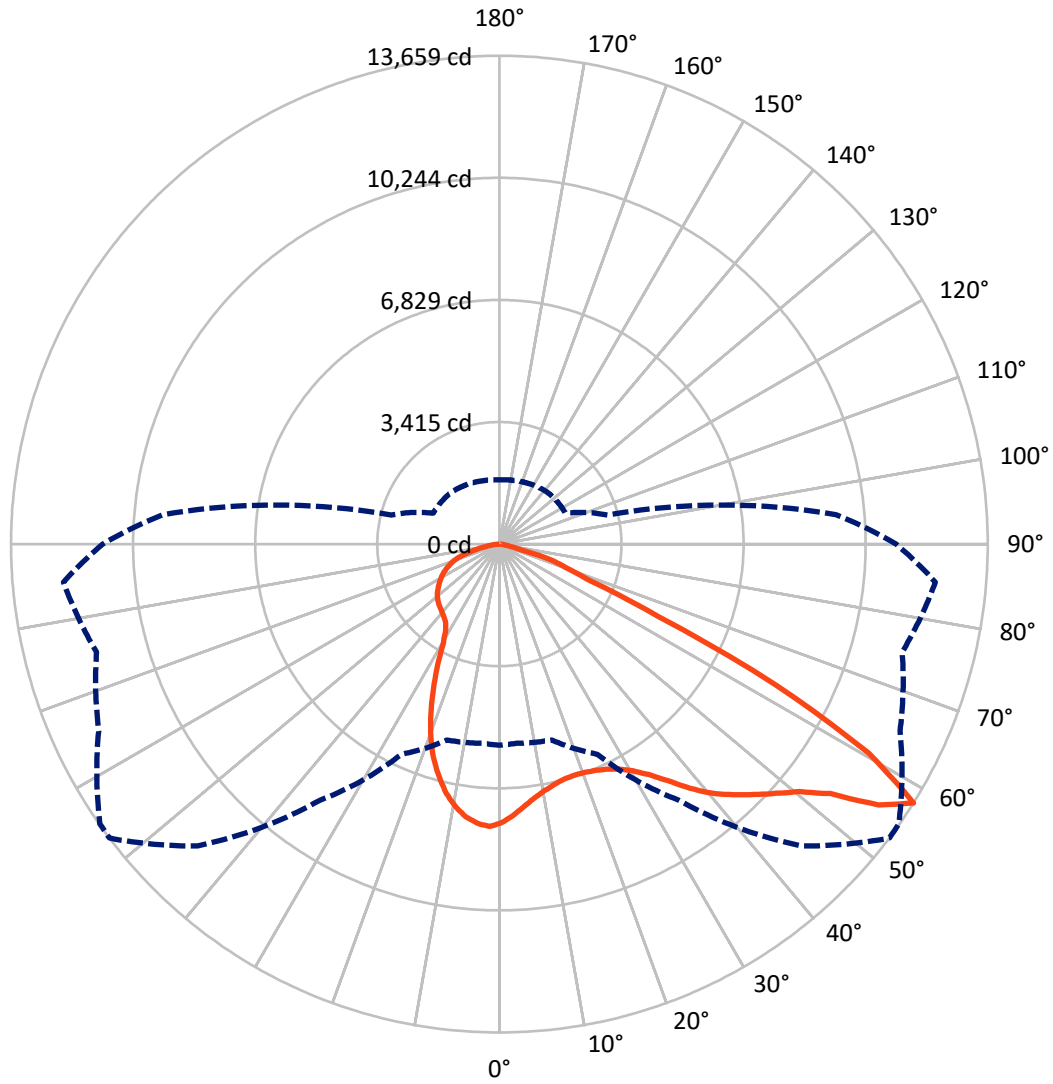
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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	7628.8	0.0	7628.8
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	16770.6	0.0	16770.6
	% Fixture	68.7	0.0	68.7
Total	Lumens	24399.4	0.0	24399.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.6	2.9
10°-20°	1848.5	7.6
20°-30°	2723.5	11.2
30°-40°	3812.1	15.6
40°-50°	5011.3	20.5
50°-60°	5875.8	24.1
60°-70°	3461.5	14.2
70°-80°	861.1	3.5
80°-90°	101.0	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°	24399.4	100.0
0°-180°	24399.4	100.0

Coefficient of Utilization



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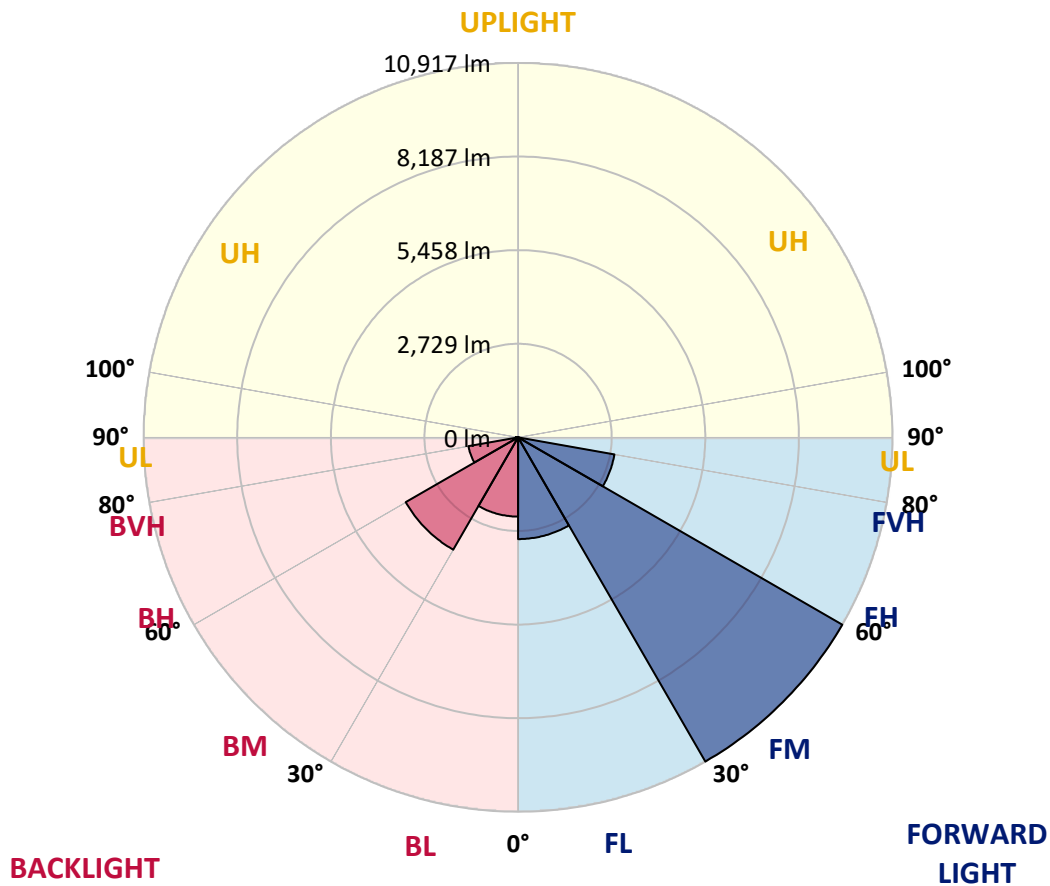
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2966.5	12.2			
FM (30°-60°)	10916.5	44.7			
FH (60°-80°)	2853.8	11.7			G2/5000
FVH (80°-90°)	33.8	0.1			G1/100
BL (0°-30°)	2310.0	9.5	B3/2500		
BM (30°-60°)	3782.8	15.5	B3/5000		
BH (60°-80°)	1468.8	6.0	B3/2500		G3/2500
BVH (80°-90°)	67.2	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°	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4
2.5°	7343.7	7364.2	7368.3	7432.0	7436.1	7528.5	7590.1	7577.8	7641.5	7719.5	7781.1
5°	6992.5	6994.6	7015.1	7091.1	7132.2	7253.3	7356.0	7356.0	7479.2	7639.4	7777.0
7.5°	6703.0	6700.9	6719.4	6803.6	6871.4	7017.2	7156.8	7173.3	7345.8	7579.9	7803.7
10°	6434.0	6448.3	6468.9	6571.5	6657.8	6838.5	7004.9	7031.6	7249.2	7538.8	7840.7
12.5°	6261.4	6263.5	6294.3	6409.3	6520.2	6713.2	6887.8	6920.7	7171.2	7499.8	7867.4
15°	6150.6	6152.6	6185.5	6312.8	6442.2	6637.3	6815.9	6852.9	7126.0	7493.6	7918.7
17.5°	6101.3	6099.2	6130.0	6257.3	6399.0	6602.3	6793.3	6838.5	7146.6	7540.8	8009.1
20°	6101.3	6103.3	6119.8	6234.8	6378.5	6594.1	6815.9	6871.4	7226.6	7647.6	8148.7
22.5°	6187.5	6195.7	6203.9	6282.0	6394.9	6606.5	6875.5	6949.4	7399.1	7826.3	8331.5
25°	6355.9	6358.0	6366.2	6429.8	6481.2	6641.4	6974.1	7084.9	7668.2	8087.1	8561.5
27.5°	6581.8	6610.6	6618.8	6659.8	6659.8	6727.6	7128.1	7288.3	8031.7	8462.9	8855.2
30°	6898.1	6908.3	6922.7	6967.9	6918.6	6889.9	7354.0	7559.3	8452.6	8916.8	9208.4
32.5°	7175.3	7197.9	7275.9	7349.9	7261.6	7171.2	7686.7	7929.0	8857.2	9389.1	9584.2
35°	7411.5	7466.9	7616.8	7781.1	7719.5	7629.2	8128.2	8380.8	9189.9	9727.9	9916.9
37.5°	7696.9	7740.0	7945.4	8212.4	8267.8	8224.7	8666.2	8846.9	9411.7	9814.2	10097.6
40°	7986.5	8052.2	8317.1	8686.8	8898.3	8929.1	9163.2	9284.4	9487.7	9645.8	10062.7
42.5°	8282.2	8395.1	8758.6	9189.9	9565.7	9635.5	9582.1	9633.5	9463.0	9413.7	9900.4
45°	8643.6	8777.1	9187.8	9738.2	10233.1	10342.0	9992.9	9945.6	9458.9	9325.4	9799.8
47.5°	9070.8	9204.3	9596.5	10237.2	10869.7	10949.8	10413.8	10327.6	9602.7	9461.0	9935.4
50°	9448.6	9541.1	9892.2	10608.9	11463.2	11510.5	10878.0	10773.2	9960.0	9836.8	10358.4
52.5°	9064.6	9054.4	9424.0	10307.1	11771.3	12340.1	11592.6	11492.0	10650.0	10461.1	11013.5
55°	7690.8	7573.7	7904.3	8773.0	10910.8	13077.4	12874.1	12672.8	11570.0	11089.5	11627.5
57.5°	5622.8	5589.9	5670.0	6485.3	8740.2	11935.6	13658.5	13640.1	12364.8	11664.5	12239.5
60°	4396.8	4347.5	4133.9	4156.5	5957.5	9323.4	11853.4	12397.6	12857.6	12009.5	12666.7
62.5°	3903.9	3866.9	3756.0	3450.1	3548.6	6251.2	8688.8	9187.8	11235.3	10606.9	10880.0
65°	3232.4	3222.1	3314.5	3302.2	2973.6	3452.1	4904.0	5407.1	7064.4	7152.7	7064.4
67.5°	2349.3	2330.8	2565.0	3027.0	2862.7	2606.0	2733.4	2907.9	3622.6	3252.9	2928.4
70°	1527.9	1501.2	1636.7	2187.1	2562.9	2271.3	1969.4	1940.7	1992.0	1238.3	1339.0
72.5°	1024.8	993.9	991.9	1203.4	1548.4	1529.9	1525.8	1511.5	1349.2	977.5	1084.3
75°	570.9	546.3	540.1	519.6	554.5	564.7	601.7	622.2	673.6	741.4	821.4
77.5°	96.5	94.5	119.1	152.0	209.5	269.0	332.7	351.2	433.3	513.4	564.7
80°	53.4	55.4	71.9	88.3	117.1	160.2	205.4	217.7	267.0	310.1	351.2
82.5°	28.8	28.8	37.0	47.2	63.7	84.2	110.9	121.2	154.0	180.7	209.5
85°	10.3	10.3	14.4	18.5	26.7	34.9	43.1	49.3	67.8	92.4	104.7
87.5°	0.0	0.0	0.0	0.0	2.1	4.1	8.2	8.2	10.3	18.5	26.7
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°	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4	7791.4
2.5°	7832.5	7777.0	7853.0	7887.9	7900.2	7908.4	7855.0	7818.1	7805.8	7766.7	7744.2
5°	7861.2	7824.2	7896.1	7896.1	7844.8	7791.4	7682.5	7606.6	7553.2	7489.5	7479.2
7.5°	7910.5	7883.8	7922.8	7842.7	7713.4	7569.6	7380.7	7232.8	7113.7	7035.7	7037.7
10°	7976.2	7943.4	7912.6	7733.9	7497.7	7232.8	6943.2	6727.6	6530.5	6440.1	6390.8
12.5°	8019.3	7972.1	7842.7	7547.0	7199.9	6844.7	6436.0	6115.6	5830.2	5700.8	5690.5
15°	8072.7	7986.5	7727.7	7304.7	6822.1	6337.4	5811.7	5366.1	4980.0	4778.7	4768.5
17.5°	8142.6	8000.9	7590.1	7027.4	6423.7	5709.0	5047.8	4487.1	4076.4	3920.3	3947.0
20°	8241.1	8017.3	7434.1	6719.4	5928.8	4994.4	4170.9	3655.4	3497.3	3487.0	3466.5
22.5°	8352.0	8027.6	7261.6	6374.4	5329.1	4232.5	3446.0	3226.2	3224.2	3275.5	3287.8
25°	8477.3	8035.8	7066.5	5971.9	4680.2	3472.7	3047.6	2981.8	3033.2	3129.7	3142.0
27.5°	8637.5	8052.2	6830.3	5530.4	3990.2	3000.3	2827.8	2811.4	2873.0	2963.4	2959.2
30°	8873.6	8111.8	6579.8	5023.1	3281.7	2776.5	2694.3	2696.4	2721.0	2764.2	2770.3
32.5°	9113.9	8204.2	6335.4	4452.2	2875.1	2649.2	2612.2	2608.1	2608.1	2626.6	2630.7
35°	9341.9	8308.9	6070.5	3856.7	2677.9	2575.2	2550.6	2538.3	2532.1	2528.0	2521.8
37.5°	9469.2	8360.2	5811.7	3269.3	2573.2	2525.9	2501.3	2484.9	2462.3	2445.8	2441.7
40°	9413.7	8300.7	5511.9	2829.9	2509.5	2478.7	2450.0	2427.4	2396.6	2382.2	2374.0
42.5°	9228.9	8115.9	5185.4	2622.5	2458.2	2427.4	2392.5	2355.5	2335.0	2322.6	2320.6
45°	9033.8	7892.0	4791.1	2501.3	2408.9	2371.9	2330.8	2289.8	2267.2	2261.0	2259.0
47.5°	9027.7	7781.1	4372.1	2404.8	2349.3	2312.4	2261.0	2219.9	2195.3	2187.1	2178.9
50°	9298.7	7894.1	3899.8	2320.6	2287.7	2248.7	2191.2	2146.0	2115.2	2104.9	2102.9
52.5°	9861.4	8319.2	3476.8	2236.4	2205.6	2160.4	2113.2	2068.0	2031.0	2012.5	2010.5
55°	10469.3	8859.3	3213.9	2150.1	2109.1	2070.0	2026.9	1977.6	1936.6	1907.8	1903.7
57.5°	11097.7	9448.6	3133.8	2041.3	2010.5	1983.8	1932.4	1879.1	1831.8	1805.1	1799.0
60°	11615.2	9955.9	3283.7	1926.3	1909.9	1874.9	1827.7	1776.4	1743.5	1723.0	1718.9
62.5°	9723.8	8105.6	2651.2	1801.0	1801.0	1764.0	1710.7	1673.7	1651.1	1636.7	1632.6
65°	6171.1	5019.0	1809.2	1675.7	1673.7	1624.4	1579.2	1554.6	1544.3	1521.7	1517.6
67.5°	2688.2	2293.9	1546.4	1548.4	1540.2	1486.8	1441.6	1423.2	1402.6	1378.0	1375.9
70°	1394.4	1421.1	1384.1	1406.7	1392.3	1328.7	1285.6	1256.8	1213.7	1189.0	1191.1
72.5°	1125.4	1154.1	1195.2	1230.1	1199.3	1148.0	1080.2	1045.3	989.8	963.1	965.2
75°	858.4	889.2	928.2	965.2	940.6	876.9	833.8	798.9	735.2	704.4	710.5
77.5°	591.4	607.9	655.1	653.0	644.8	626.4	562.7	521.6	455.9	418.9	423.0
80°	367.6	377.9	400.5	410.7	406.6	382.0	330.6	299.8	260.8	238.2	240.3
82.5°	221.8	228.0	248.5	250.5	248.5	230.0	191.0	168.4	143.8	131.4	131.4
85°	112.9	117.1	129.4	129.4	117.1	98.6	88.3	78.0	63.7	57.5	57.5
87.5°	30.8	30.8	39.0	32.9	26.7	24.6	12.3	10.3	4.1	2.1	2.1
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)