

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: P642210

Luminaire Tested: GWS-SA6C-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642210
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24184.2 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

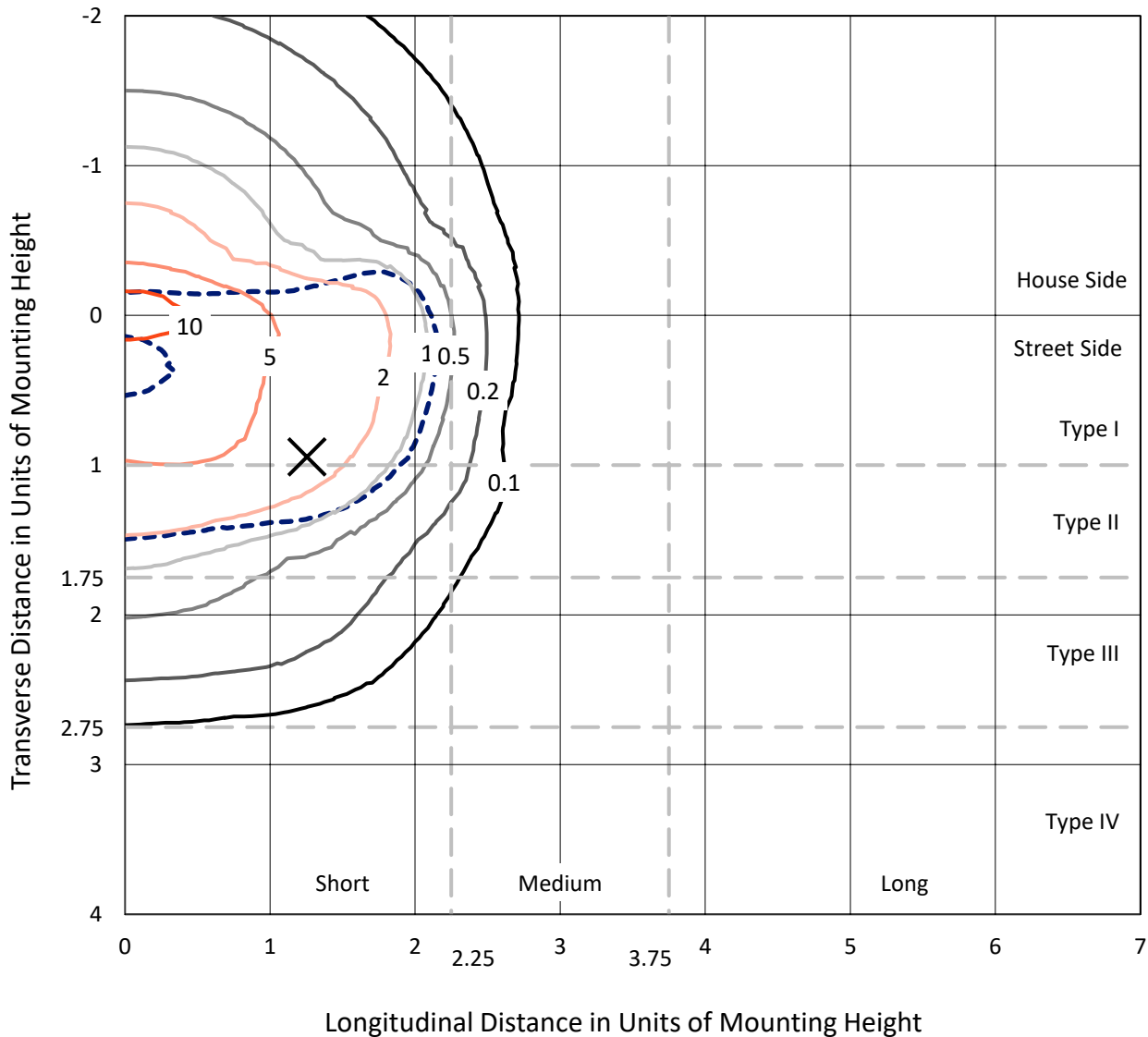
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

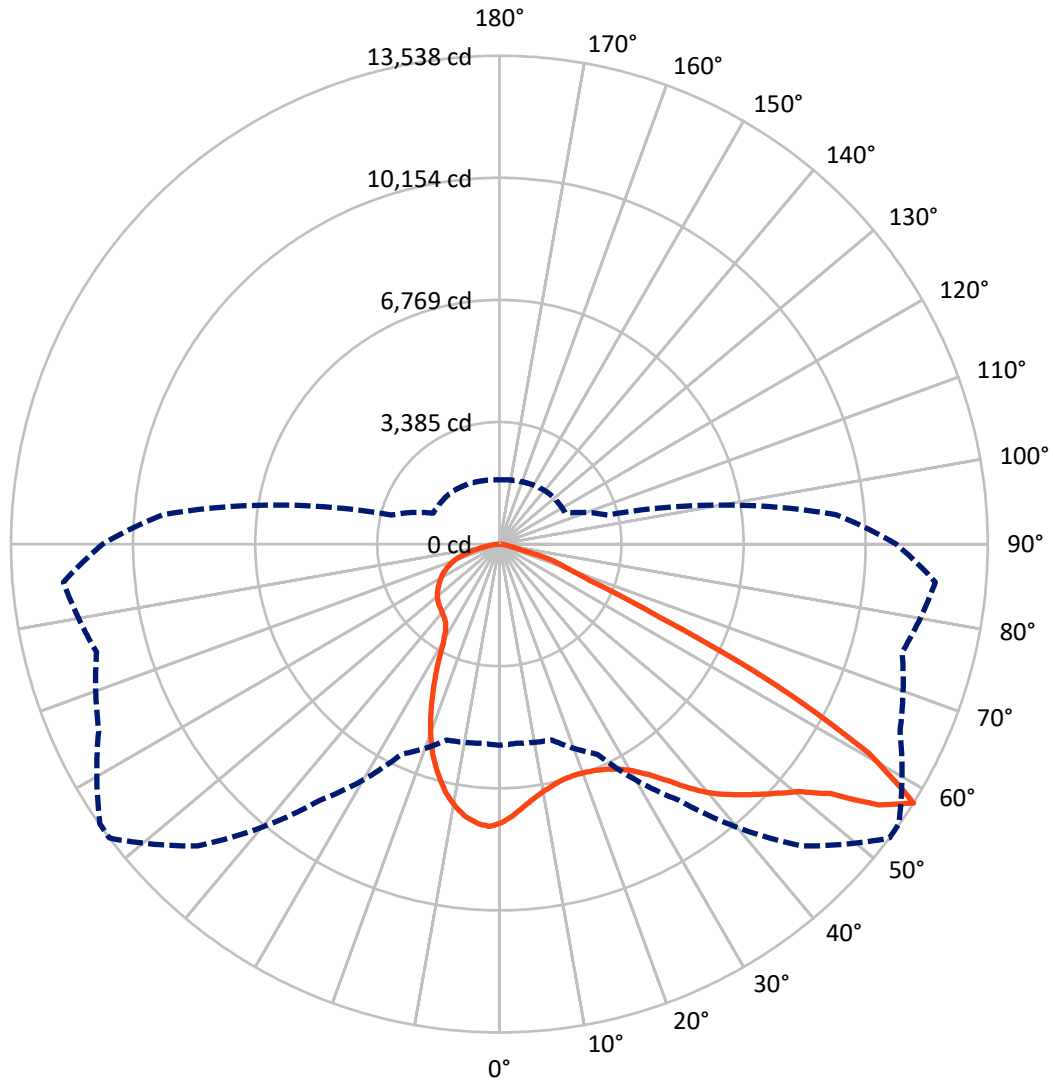
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 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	7561.5	0.0	7561.5
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	16622.7	0.0	16622.7
	% Fixture	68.7	0.0	68.7
Total	Lumens	24184.2	0.0	24184.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	698.4	2.9
10°-20°	1832.2	7.6
20°-30°	2699.4	11.2
30°-40°	3778.5	15.6
40°-50°	4967.1	20.5
50°-60°	5824.0	24.1
60°-70°	3431.0	14.2
70°-80°	853.5	3.5
80°-90°	100.1	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°	24184.2	100.0
0°-180°	24184.2	100.0

Coefficient of Utilization



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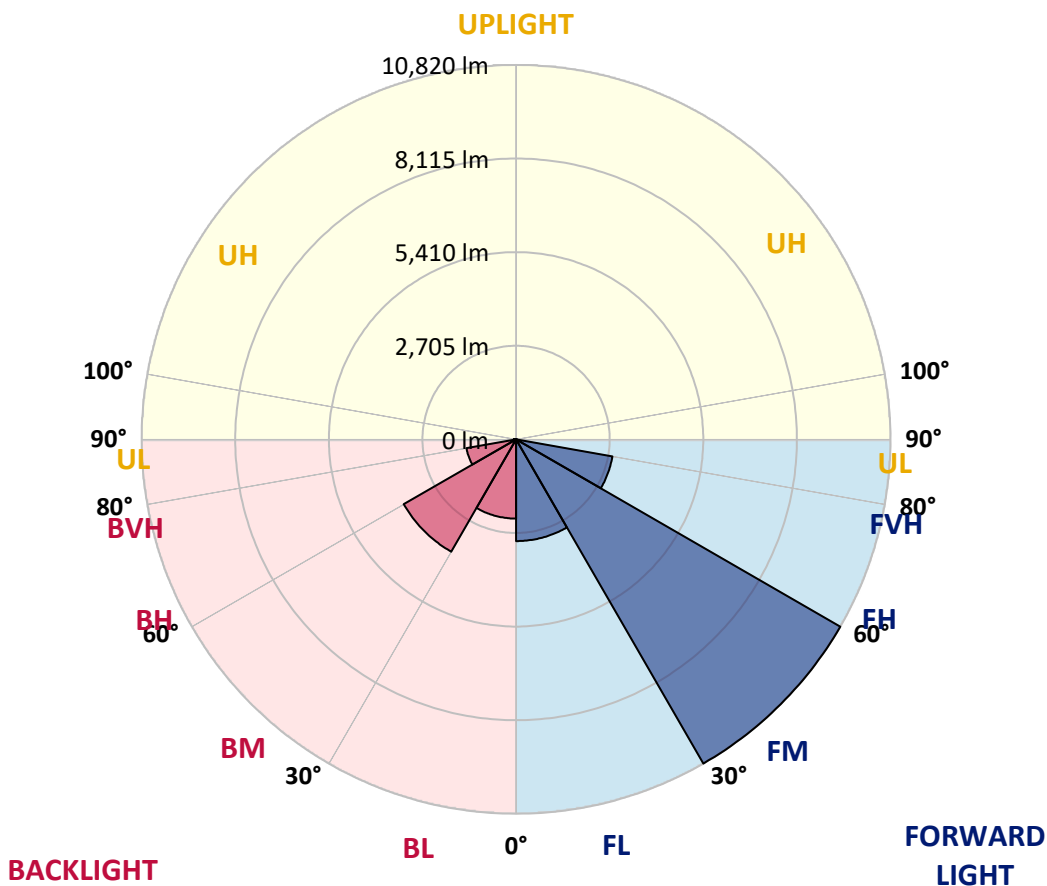
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2940.3	12.2			
FM (30°-60°)	10820.2	44.7			
FH (60°-80°)	2828.6	11.7			G2/5000
FVH (80°-90°)	33.5	0.1			G1/100
BL (0°-30°)	2289.7	9.5	B3/2500		
BM (30°-60°)	3749.4	15.5	B3/5000		
BH (60°-80°)	1455.8	6.0	B3/2500		G3/2500
BVH (80°-90°)	66.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7
2.5°	7278.9	7299.3	7303.4	7366.5	7370.5	7462.1	7523.2	7511.0	7574.1	7651.4	7712.5
5°	6930.9	6932.9	6953.3	7028.6	7069.3	7189.4	7291.1	7291.1	7413.3	7572.0	7708.4
7.5°	6643.9	6641.8	6660.1	6743.6	6810.8	6955.3	7093.7	7110.0	7281.0	7513.0	7734.9
10°	6377.2	6391.5	6411.8	6513.6	6599.1	6778.2	6943.1	6969.5	7185.3	7472.3	7771.5
12.5°	6206.2	6208.3	6238.8	6352.8	6462.7	6654.0	6827.1	6859.6	7107.9	7433.6	7798.0
15°	6096.3	6098.3	6130.9	6257.1	6385.3	6578.7	6755.8	6792.4	7063.2	7427.5	7848.9
17.5°	6047.5	6045.4	6076.0	6202.2	6342.6	6544.1	6733.4	6778.2	7083.5	7474.3	7938.4
20°	6047.5	6049.5	6065.8	6179.8	6322.2	6536.0	6755.8	6810.8	7162.9	7580.2	8076.8
22.5°	6132.9	6141.1	6149.2	6226.6	6338.5	6548.2	6814.8	6888.1	7333.9	7757.3	8258.0
25°	6299.9	6301.9	6310.0	6373.1	6424.0	6582.8	6912.5	7022.5	7600.5	8015.8	8486.0
27.5°	6523.8	6552.3	6560.4	6601.1	6601.1	6668.3	7065.2	7224.0	7960.8	8388.3	8777.1
30°	6837.2	6847.4	6861.7	6906.4	6857.6	6829.1	7289.1	7492.7	8378.1	8838.1	9127.2
32.5°	7112.0	7134.4	7211.8	7285.0	7197.5	7107.9	7618.9	7859.0	8779.1	9306.3	9499.7
35°	7346.1	7401.1	7549.7	7712.5	7651.4	7561.9	8056.5	8306.9	9108.8	9642.1	9829.4
37.5°	7629.0	7671.8	7875.3	8139.9	8194.9	8152.2	8589.8	8768.9	9328.7	9727.6	10008.5
40°	7916.0	7981.2	8243.8	8610.1	8819.8	8850.3	9082.4	9202.5	9404.0	9560.7	9973.9
42.5°	8209.2	8321.1	8681.4	9108.8	9481.3	9550.5	9497.6	9548.5	9379.6	9330.7	9813.1
45°	8567.4	8699.7	9106.8	9652.3	10142.9	10250.8	9904.7	9857.9	9375.5	9243.2	9713.4
47.5°	8990.8	9123.1	9511.9	10146.9	10773.9	10853.3	10322.0	10236.5	9518.0	9377.5	9847.7
50°	9365.3	9456.9	9805.0	10515.4	11362.1	11409.0	10782.0	10678.2	9872.2	9750.0	10267.0
52.5°	8984.7	8974.5	9340.9	10216.1	11667.5	12231.3	11490.4	11390.6	10556.1	10368.8	10916.4
55°	7622.9	7506.9	7834.6	8695.6	10814.6	12962.0	12760.5	12561.0	11468.0	10991.7	11525.0
57.5°	5573.2	5540.6	5620.0	6428.1	8663.1	11830.3	13538.1	13519.8	12255.7	11561.6	12131.6
60°	4358.0	4309.1	4097.5	4119.8	5905.0	9241.1	11748.9	12288.3	12744.2	11903.6	12554.9
62.5°	3869.5	3832.8	3722.9	3419.6	3517.3	6196.0	8612.2	9106.8	11136.2	10513.3	10784.1
65°	3203.9	3193.7	3285.3	3273.1	2947.4	3421.7	4860.8	5359.5	7002.1	7089.6	7002.1
67.5°	2328.6	2310.3	2542.3	3000.3	2837.5	2583.0	2709.2	2882.3	3590.6	3224.2	2902.6
70°	1514.4	1487.9	1622.3	2167.8	2540.3	2251.3	1952.0	1923.5	1974.4	1227.4	1327.1
72.5°	1015.7	985.2	983.1	1192.8	1534.8	1516.4	1512.4	1498.1	1337.3	968.9	1074.7
75°	565.9	541.4	535.3	515.0	549.6	559.8	596.4	616.8	667.6	734.8	814.2
77.5°	95.7	93.6	118.1	150.6	207.6	266.6	329.8	348.1	429.5	508.9	559.8
80°	52.9	55.0	71.2	87.5	116.0	158.8	203.5	215.8	264.6	307.4	348.1
82.5°	28.5	28.5	36.6	46.8	63.1	83.5	109.9	120.1	152.7	179.1	207.6
85°	10.2	10.2	14.2	18.3	26.5	34.6	42.7	48.9	67.2	91.6	103.8
87.5°	0.0	0.0	0.0	0.0	2.0	4.1	8.1	8.1	10.2	18.3	26.5
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°	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7	7722.7
2.5°	7763.4	7708.4	7783.7	7818.3	7830.5	7838.7	7785.8	7749.1	7736.9	7698.2	7675.9
5°	7791.9	7755.2	7826.5	7826.5	7775.6	7722.7	7614.8	7539.5	7486.6	7423.5	7413.3
7.5°	7840.7	7814.3	7852.9	7773.6	7645.3	7502.8	7315.6	7169.0	7051.0	6973.6	6975.6
10°	7905.9	7873.3	7842.8	7665.7	7431.6	7169.0	6882.0	6668.3	6472.9	6383.3	6334.5
12.5°	7948.6	7901.8	7773.6	7480.4	7136.4	6784.3	6379.2	6061.7	5778.8	5650.5	5640.4
15°	8001.5	7916.0	7659.6	7240.3	6761.9	6281.5	5760.5	5318.7	4936.1	4736.6	4726.4
17.5°	8070.7	7930.3	7523.2	6965.5	6367.0	5658.7	5003.2	4447.6	4040.5	3885.8	3912.2
20°	8168.4	7946.6	7368.5	6660.1	5876.5	4950.3	4134.1	3623.2	3466.4	3456.3	3435.9
22.5°	8278.4	7956.8	7197.5	6318.2	5282.1	4195.2	3415.6	3197.8	3195.7	3246.6	3258.8
25°	8402.5	7964.9	7004.1	5919.2	4638.9	3442.0	3020.7	2955.5	3006.4	3102.1	3114.3
27.5°	8561.3	7981.2	6770.1	5481.6	3955.0	2973.9	2802.9	2786.6	2847.7	2937.2	2933.1
30°	8795.4	8040.2	6521.7	4978.8	3252.7	2752.0	2670.6	2672.6	2697.0	2739.8	2745.9
32.5°	9033.5	8131.8	6279.5	4413.0	2849.7	2625.8	2589.1	2585.1	2585.1	2603.4	2607.5
35°	9259.5	8235.6	6016.9	3822.7	2654.3	2552.5	2528.1	2515.9	2509.8	2505.7	2499.6
37.5°	9385.7	8286.5	5760.5	3240.5	2550.5	2503.7	2479.2	2462.9	2440.6	2424.3	2420.2
40°	9330.7	8227.5	5463.3	2804.9	2487.4	2456.8	2428.3	2406.0	2375.4	2361.2	2353.0
42.5°	9147.5	8044.3	5139.6	2599.3	2436.5	2406.0	2371.4	2334.7	2314.4	2302.1	2300.1
45°	8954.1	7822.4	4748.8	2479.2	2387.6	2351.0	2310.3	2269.6	2247.2	2241.1	2239.0
47.5°	8948.0	7712.5	4333.6	2383.6	2328.6	2292.0	2241.1	2200.4	2175.9	2167.8	2159.7
50°	9216.7	7824.4	3865.4	2300.1	2267.5	2228.9	2171.9	2127.1	2096.6	2086.4	2084.3
52.5°	9774.4	8245.8	3446.1	2216.7	2186.1	2141.3	2094.5	2049.7	2013.1	1994.8	1992.7
55°	10377.0	8781.1	3185.5	2131.2	2090.5	2051.8	2009.0	1960.2	1919.5	1891.0	1886.9
57.5°	10999.8	9365.3	3106.2	2023.3	1992.7	1966.3	1915.4	1862.5	1815.7	1789.2	1783.1
60°	11512.8	9868.1	3254.8	1909.3	1893.0	1858.4	1811.6	1760.7	1728.1	1707.8	1703.7
62.5°	9638.1	8034.1	2627.8	1785.1	1785.1	1748.5	1695.6	1658.9	1636.5	1622.3	1618.2
65°	6116.7	4974.8	1793.3	1661.0	1658.9	1610.1	1565.3	1540.9	1530.7	1508.3	1504.2
67.5°	2664.5	2273.6	1532.7	1534.8	1526.6	1473.7	1428.9	1410.6	1390.2	1365.8	1363.8
70°	1382.1	1408.6	1371.9	1394.3	1380.1	1317.0	1274.2	1245.7	1203.0	1178.6	1180.6
72.5°	1115.5	1143.9	1184.7	1219.3	1188.7	1137.8	1070.7	1036.1	981.1	954.6	956.7
75°	850.8	881.4	920.0	956.7	932.3	869.2	826.4	791.8	728.7	698.2	704.3
77.5°	586.2	602.5	649.3	647.3	639.1	620.8	557.7	517.0	451.9	415.2	419.3
80°	364.4	374.5	396.9	407.1	403.0	378.6	327.7	297.2	258.5	236.1	238.2
82.5°	219.8	225.9	246.3	248.3	246.3	228.0	189.3	166.9	142.5	130.3	130.3
85°	112.0	116.0	128.2	128.2	116.0	97.7	87.5	77.3	63.1	57.0	57.0
87.5°	30.5	30.5	38.7	32.6	26.5	24.4	12.2	10.2	4.1	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)