

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: P642159

Luminaire Tested: GWS-SA6C-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642159
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-SA6C-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23453.2 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

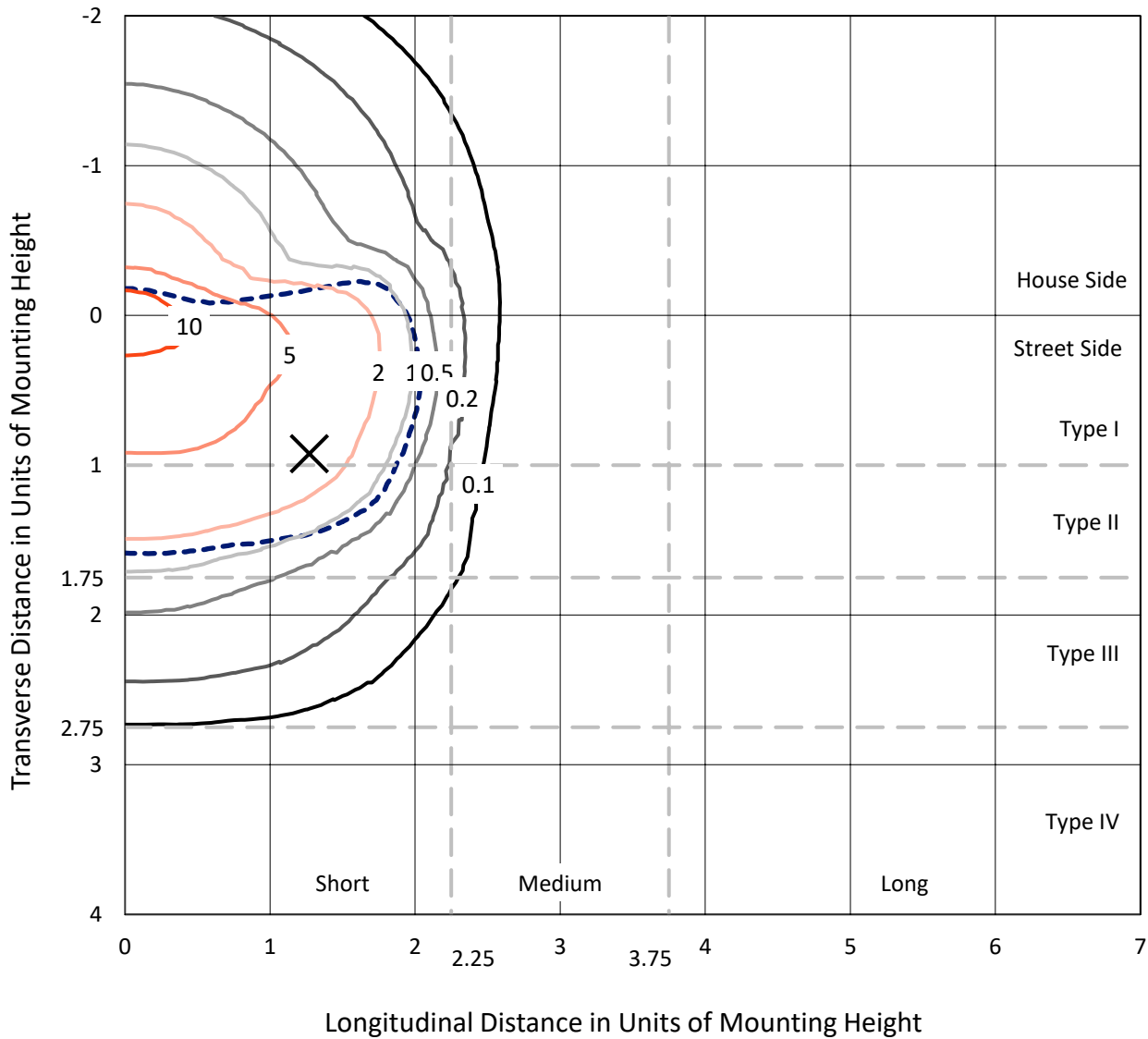
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

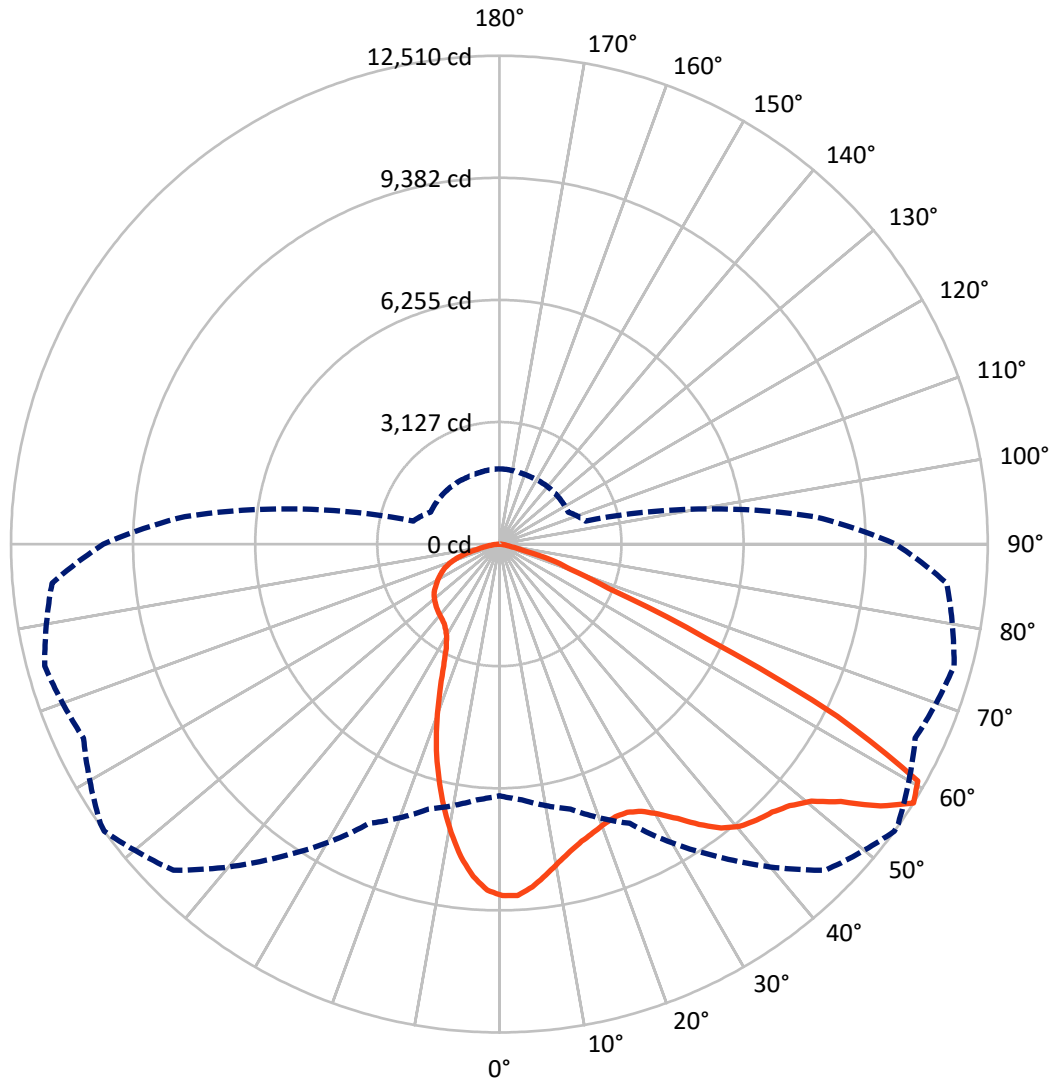
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 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	6818.1	0.0	6818.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	16635.1	0.0	16635.1
	% Fixture	70.9	0.0	70.9
Total	Lumens	23453.2	0.0	23453.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	791.5	3.4
10°-20°	1888.5	8.1
20°-30°	2613.4	11.1
30°-40°	3631.4	15.5
40°-50°	4795.9	20.4
50°-60°	5699.3	24.3
60°-70°	3157.5	13.5
70°-80°	786.3	3.4
80°-90°	89.4	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°	23453.2	100.0
0°-180°	23453.2	100.0

Coefficient of Utilization



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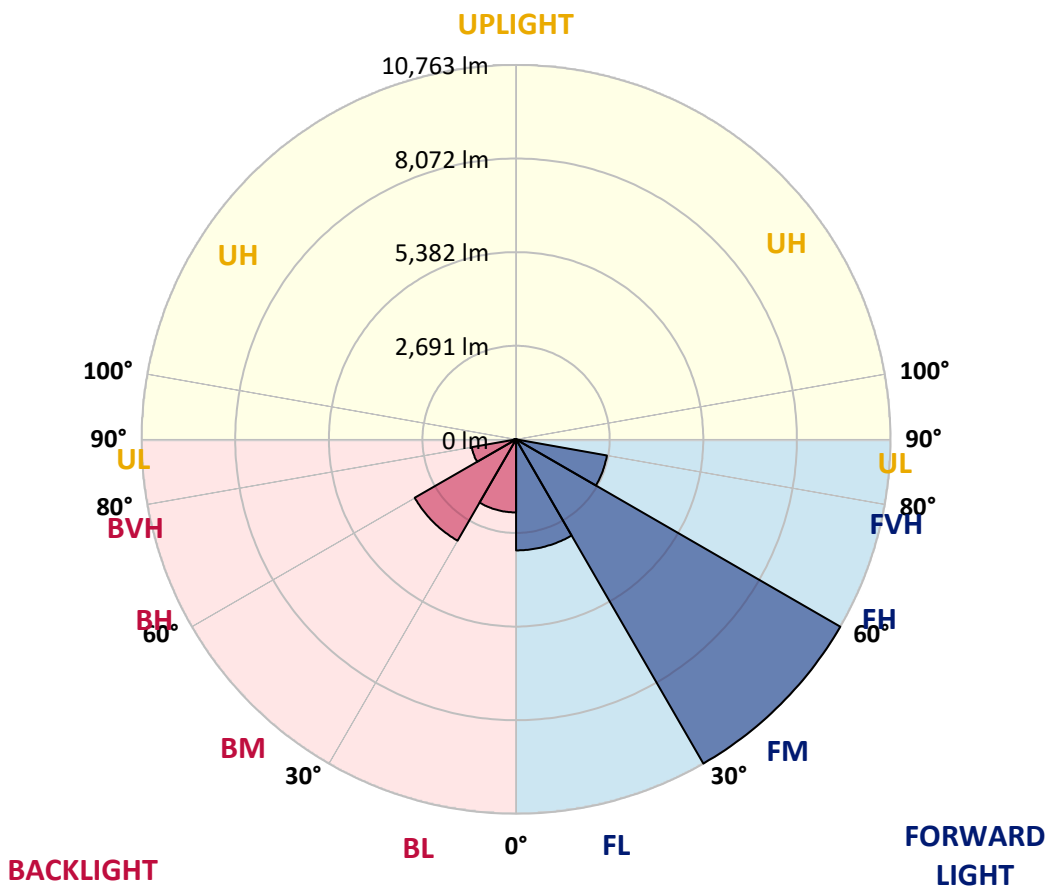
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3192.4	13.6			
FM (30°-60°)	10763.0	45.9			
FH (60°-80°)	2651.7	11.3			G2/5000
FVH (80°-90°)	28.0	0.1			G1/100
BL (0°-30°)	2101.1	9.0	B3/2500		
BM (30°-60°)	3363.5	14.3	B3/5000		
BH (60°-80°)	1292.1	5.5	B3/2500		G3/2500
BVH (80°-90°)	61.4	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°	54°	55°	65°	75°	85°
0°	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2
2.5°	8835.6	8853.6	8865.7	8907.8	8944.0	8976.1	9010.2	9010.2	9008.2	9002.2	8990.2
5°	8486.2	8506.3	8534.4	8592.7	8670.9	8727.2	8819.5	8827.5	8867.7	8883.8	8875.7
7.5°	8080.7	8086.7	8122.9	8199.2	8323.6	8424.0	8556.5	8572.6	8668.9	8725.2	8715.1
10°	7637.0	7616.9	7681.2	7793.6	7956.2	8124.9	8295.5	8309.6	8464.2	8570.6	8562.5
12.5°	7231.5	7233.5	7297.7	7434.3	7637.0	7845.8	8074.7	8106.8	8297.5	8434.0	8420.0
15°	6892.2	6900.2	6978.5	7133.1	7364.0	7612.9	7898.0	7928.1	8169.0	8349.7	8309.6
17.5°	6621.2	6629.2	6697.5	6874.1	7121.1	7422.2	7769.5	7799.6	8098.8	8313.6	8231.3
20°	6434.5	6430.4	6496.7	6665.3	6920.3	7247.5	7657.1	7701.3	8076.7	8327.6	8179.1
22.5°	6358.2	6356.2	6404.3	6542.9	6781.8	7113.0	7588.8	7649.1	8100.8	8389.9	8147.0
25°	6396.3	6388.3	6430.4	6532.8	6723.5	7060.8	7608.9	7673.2	8203.2	8518.4	8153.0
27.5°	6514.8	6504.7	6540.9	6633.2	6777.8	7115.0	7749.4	7823.7	8420.0	8753.3	8233.3
30°	6695.4	6689.4	6725.6	6813.9	6940.4	7295.7	8018.5	8102.8	8755.3	9118.7	8408.0
32.5°	6906.2	6896.2	6960.4	7062.8	7209.4	7625.0	8379.8	8490.3	9152.8	9588.4	8701.1
35°	7143.1	7135.1	7223.4	7372.0	7582.8	8082.7	8817.5	8938.0	9558.3	10120.5	9090.5
37.5°	7374.0	7374.0	7544.7	7765.5	8030.5	8580.6	9229.1	9305.4	9839.4	10592.3	9508.1
40°	7578.8	7590.8	7847.8	8179.1	8516.4	9030.3	9500.1	9564.3	9963.9	10917.5	9871.5
42.5°	7805.7	7815.7	8114.8	8548.5	8950.0	9393.7	9664.7	9696.8	9988.0	11080.1	10128.5
45°	7986.3	8000.4	8371.8	8835.6	9327.4	9666.7	9795.2	9823.3	10022.1	11168.4	10315.2
47.5°	8080.7	8100.8	8526.4	9066.5	9582.4	9911.7	10010.0	10022.1	10162.6	11323.0	10540.1
50°	8064.6	8104.8	8584.6	9180.9	9771.1	10158.6	10355.4	10375.4	10449.7	11549.9	10803.1
52.5°	8207.2	8225.3	8709.1	9317.4	10040.2	10614.3	10955.6	10983.7	10949.6	11720.5	10959.6
55°	7970.3	8056.6	8554.5	9297.3	10449.7	11319.0	11845.0	11831.0	11403.3	11911.3	11220.6
57.5°	6446.5	6573.0	7028.7	7892.0	9775.1	11812.9	12509.5	12475.4	11754.7	12057.8	11503.7
60°	4463.0	4483.0	4894.6	5506.9	7544.7	10435.7	12314.8	12389.1	11818.9	11873.1	10979.7
62.5°	3569.6	3563.5	3601.7	3617.7	4798.2	7335.9	9720.9	9992.0	9819.3	9251.2	7781.6
65°	3047.6	3069.7	3182.1	3123.9	3131.9	4131.7	5808.1	5846.2	5725.8	5521.0	4115.6
67.5°	2385.1	2423.2	2622.0	2848.8	2776.6	2660.1	3013.5	2995.4	2361.0	1826.9	1509.7
70°	1493.7	1517.8	1730.6	2236.5	2417.2	2184.3	1937.4	1929.3	1264.8	1040.0	1140.3
72.5°	871.3	875.3	935.6	1246.7	1604.1	1493.7	1425.4	1373.2	813.1	829.2	909.5
75°	479.8	479.8	477.8	538.0	632.4	560.1	542.1	528.0	544.1	616.3	676.6
77.5°	100.4	102.4	108.4	142.5	184.7	224.9	283.1	285.1	355.4	411.6	459.7
80°	46.2	48.2	60.2	76.3	98.4	130.5	172.7	174.7	214.8	259.0	291.1
82.5°	24.1	26.1	32.1	40.2	52.2	68.3	96.4	96.4	128.5	152.6	172.7
85°	8.0	8.0	12.0	16.1	22.1	28.1	38.1	38.1	56.2	74.3	86.3
87.5°	0.0	0.0	0.0	0.0	2.0	4.0	8.0	8.0	10.0	12.0	20.1
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°	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2	9004.2
2.5°	8964.1	8901.8	8903.8	8915.9	8877.7	8819.5	8781.4	8733.2	8703.1	8697.0	8719.1
5°	8835.6	8763.3	8713.1	8660.9	8552.5	8424.0	8323.6	8241.3	8187.1	8167.0	8142.9
7.5°	8658.9	8564.5	8438.1	8291.5	8094.8	7865.9	7705.3	7554.7	7450.3	7420.2	7406.1
10°	8482.2	8345.7	8120.9	7847.8	7520.6	7211.4	6920.3	6697.5	6520.8	6420.4	6452.5
12.5°	8299.5	8130.9	7779.6	7360.0	6904.2	6438.5	6057.0	5687.6	5402.5	5260.0	5217.8
15°	8138.9	7910.1	7420.2	6852.0	6245.7	5659.5	5107.4	4553.3	4191.9	3995.2	3941.0
17.5°	8002.4	7705.3	7040.8	6334.1	5609.3	4774.1	4095.6	3581.6	3334.7	3226.3	3218.2
20°	7867.9	7504.5	6665.3	5775.9	4874.5	3939.0	3332.7	3091.7	3003.4	2965.3	2963.3
22.5°	7747.4	7293.7	6269.8	5217.8	4143.7	3310.6	2977.3	2872.9	2848.8	2848.8	2844.8
25°	7645.1	7082.9	5864.3	4625.6	3483.2	2947.2	2792.6	2748.4	2758.5	2776.6	2778.6
27.5°	7602.9	6918.3	5472.8	4017.3	3027.5	2736.4	2666.1	2660.1	2688.2	2716.3	2720.3
30°	7647.1	6805.9	5071.3	3435.1	2754.5	2607.9	2575.8	2587.8	2622.0	2650.1	2650.1
32.5°	7783.6	6749.6	4661.7	3009.4	2595.9	2517.6	2507.5	2519.6	2545.7	2561.7	2563.7
35°	8014.5	6771.7	4238.1	2722.3	2493.5	2451.3	2449.3	2457.3	2467.4	2477.4	2479.4
37.5°	8305.6	6870.1	3784.4	2555.7	2427.2	2403.1	2399.1	2397.1	2399.1	2399.1	2401.1
40°	8590.6	7018.7	3378.8	2457.3	2381.0	2361.0	2350.9	2336.9	2334.9	2330.9	2328.8
42.5°	8801.4	7133.1	3055.6	2387.1	2338.9	2314.8	2302.8	2280.7	2278.7	2276.7	2274.6
45°	8960.0	7229.5	2786.6	2318.8	2294.7	2272.6	2246.5	2226.5	2230.5	2234.5	2234.5
47.5°	9138.7	7313.8	2589.8	2254.6	2240.5	2218.4	2186.3	2172.3	2186.3	2200.4	2200.4
50°	9355.6	7432.2	2429.2	2190.3	2184.3	2158.2	2130.1	2124.1	2140.1	2160.2	2160.2
52.5°	9514.2	7534.6	2314.8	2126.1	2126.1	2091.9	2067.9	2065.9	2083.9	2104.0	2106.0
55°	9811.3	7773.5	2274.6	2051.8	2043.8	2017.7	1999.6	1985.5	2007.6	2025.7	2025.7
57.5°	10146.6	8090.7	2284.7	1945.4	1935.4	1927.3	1913.3	1897.2	1903.2	1923.3	1925.3
60°	9435.9	7476.4	2174.3	1839.0	1833.0	1829.0	1810.9	1782.8	1790.8	1806.9	1808.9
62.5°	6591.0	4968.9	1758.7	1706.5	1726.6	1724.6	1700.5	1668.3	1670.3	1692.4	1692.4
65°	3421.0	2688.2	1543.9	1586.0	1616.1	1604.1	1563.9	1535.8	1531.8	1559.9	1553.9
67.5°	1475.6	1467.6	1405.3	1459.5	1491.7	1465.6	1423.4	1377.2	1381.2	1391.3	1383.3
70°	1188.5	1224.7	1250.8	1309.0	1335.1	1286.9	1240.7	1214.6	1192.5	1190.5	1176.5
72.5°	949.6	999.8	1058.0	1118.2	1126.3	1078.1	1019.9	995.8	961.7	959.6	945.6
75°	714.7	756.9	803.1	851.2	851.2	805.1	766.9	754.9	714.7	702.7	690.6
77.5°	487.9	514.0	550.1	562.1	574.2	556.1	518.0	497.9	451.7	439.7	423.6
80°	307.2	325.2	347.3	355.4	367.4	345.3	315.2	293.1	261.0	251.0	242.9
82.5°	184.7	196.7	210.8	214.8	224.9	208.8	180.7	164.6	146.6	138.5	132.5
85°	94.4	100.4	108.4	110.4	108.4	92.4	82.3	74.3	62.2	60.2	56.2
87.5°	24.1	28.1	30.1	28.1	26.1	20.1	14.1	10.0	4.0	4.0	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)