

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: P642324

Luminaire Tested: GWS-SA6C-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642324
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23990.7 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

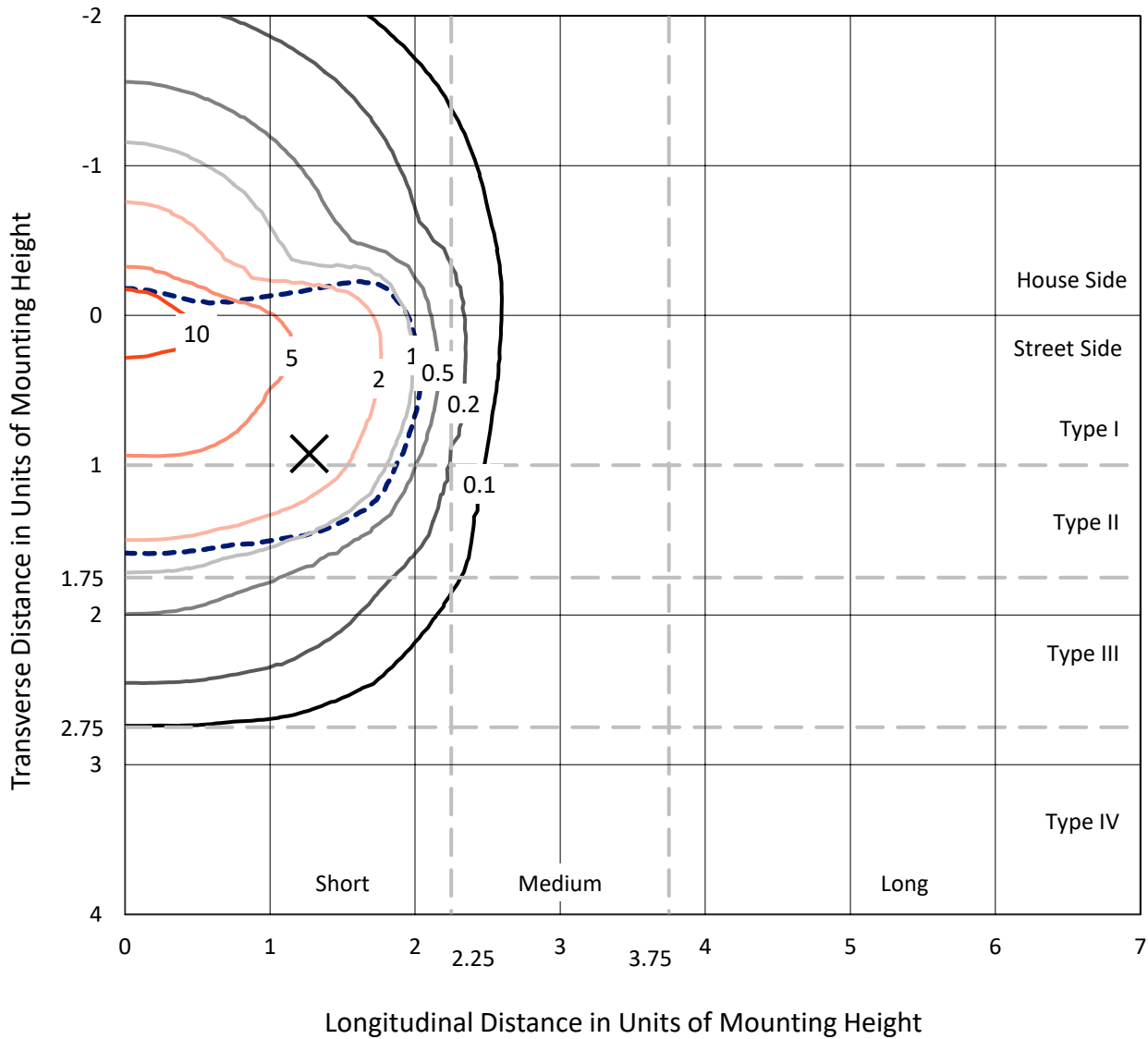
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

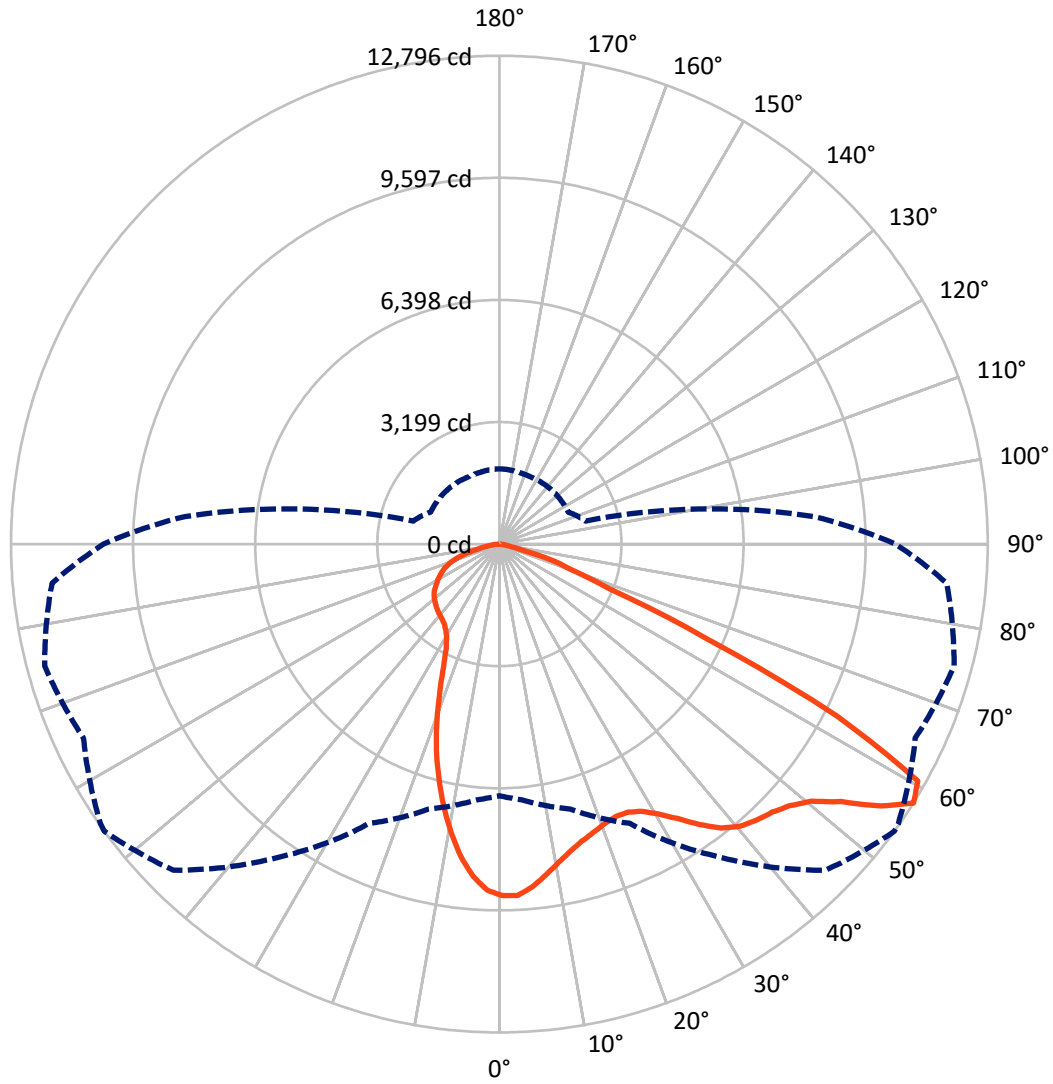
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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	6974.4	0.0	6974.4
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	17016.3	0.0	17016.3
	% Fixture	70.9	0.0	70.9
Total	Lumens	23990.7	0.0	23990.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	809.6	3.4
10°-20°	1931.8	8.1
20°-30°	2673.3	11.1
30°-40°	3714.6	15.5
40°-50°	4905.9	20.4
50°-60°	5829.9	24.3
60°-70°	3229.9	13.5
70°-80°	804.3	3.4
80°-90°	91.5	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°	23990.7	100.0
0°-180°	23990.7	100.0

Coefficient of Utilization



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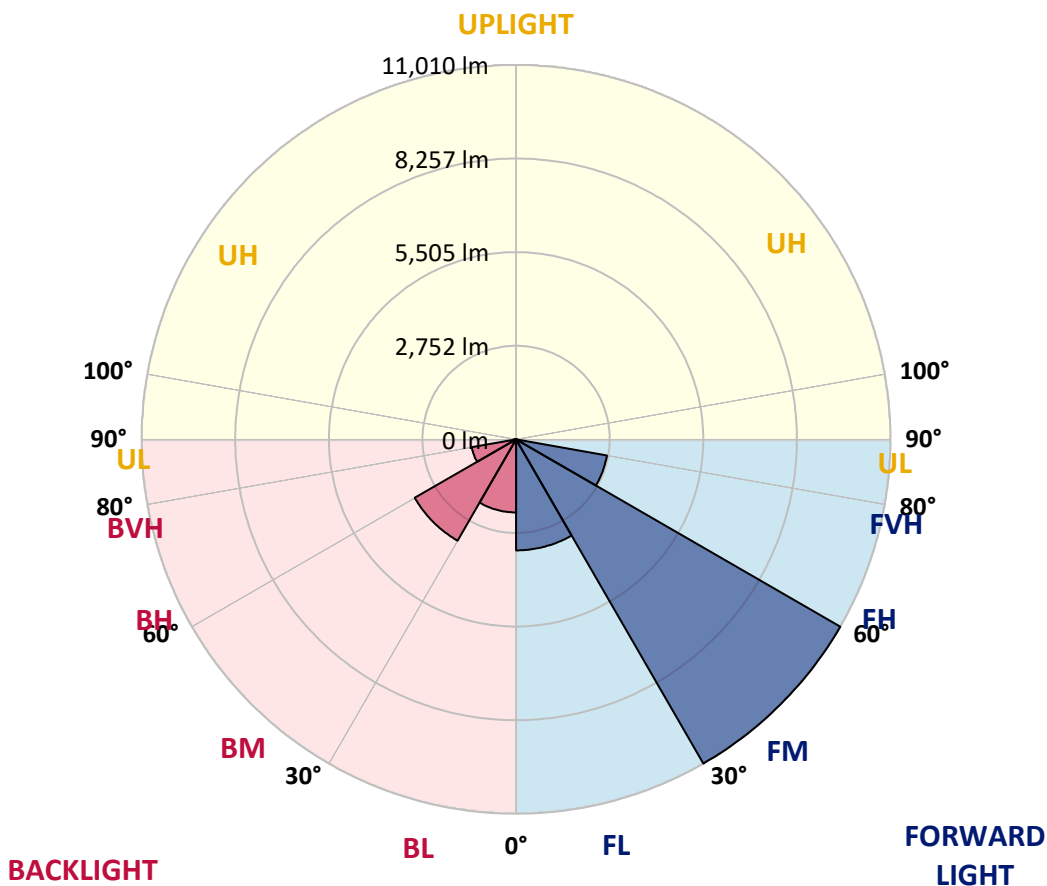
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3265.5	13.6			
FM (30°-60°)	11009.7	45.9			
FH (60°-80°)	2712.5	11.3			G2/5000
FVH (80°-90°)	28.6	0.1			G1/100
BL (0°-30°)	2149.2	9.0	B3/2500		
BM (30°-60°)	3440.6	14.3	B3/5000		
BH (60°-80°)	1321.7	5.5	B3/2500		G3/2500
BVH (80°-90°)	62.8	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°	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6
2.5°	9038.1	9056.6	9068.9	9112.0	9149.0	9181.8	9216.7	9216.7	9214.7	9208.5	9196.2
5°	8680.7	8701.3	8730.0	8789.6	8869.7	8927.2	9021.6	9029.9	9070.9	9087.4	9079.1
7.5°	8265.9	8272.1	8309.0	8387.1	8514.4	8617.1	8752.6	8769.0	8867.6	8925.1	8914.9
10°	7812.0	7791.5	7857.2	7972.2	8138.6	8311.1	8485.6	8500.0	8658.1	8767.0	8758.8
12.5°	7397.2	7399.3	7465.0	7604.6	7812.0	8025.6	8259.7	8292.6	8487.7	8627.3	8613.0
15°	7050.1	7058.4	7138.5	7296.6	7532.8	7787.4	8079.0	8109.8	8356.3	8541.1	8500.0
17.5°	6772.9	6781.1	6850.9	7031.7	7284.3	7592.3	7947.6	7978.4	8284.4	8504.1	8419.9
20°	6581.9	6577.8	6645.6	6818.1	7078.9	7413.6	7832.6	7877.8	8261.8	8518.5	8366.5
22.5°	6503.9	6501.8	6551.1	6692.8	6937.2	7276.0	7762.8	7824.4	8286.4	8582.2	8333.7
25°	6542.9	6534.7	6577.8	6682.5	6877.6	7222.7	7783.3	7849.0	8391.2	8713.6	8339.8
27.5°	6664.1	6653.8	6690.8	6785.2	6933.1	7278.1	7927.0	8003.0	8613.0	8953.9	8422.0
30°	6848.9	6842.7	6879.7	6970.1	7099.4	7462.9	8202.2	8288.5	8955.9	9327.6	8600.6
32.5°	7064.5	7054.3	7120.0	7224.7	7374.6	7799.7	8571.9	8684.8	9362.5	9808.2	8900.5
35°	7306.9	7298.6	7389.0	7541.0	7756.6	8268.0	9019.6	9142.8	9777.4	10352.4	9298.9
37.5°	7543.0	7543.0	7717.6	7943.5	8214.6	8777.3	9440.6	9518.6	10064.9	10835.0	9726.0
40°	7752.5	7764.8	8027.7	8366.5	8711.5	9237.3	9717.8	9783.5	10192.2	11167.7	10097.7
42.5°	7984.6	7994.8	8300.8	8744.4	9155.1	9609.0	9886.2	9919.1	10216.9	11334.0	10360.6
45°	8169.4	8183.8	8563.7	9038.1	9541.2	9888.3	10019.7	10048.5	10251.8	11424.4	10551.6
47.5°	8265.9	8286.4	8721.8	9274.2	9802.0	10138.8	10239.4	10251.8	10395.5	11582.5	10781.6
50°	8249.5	8290.5	8781.4	9391.3	9995.1	10391.4	10592.7	10613.2	10689.2	11814.6	11050.6
52.5°	8395.3	8413.8	8908.7	9530.9	10270.3	10857.6	11206.7	11235.5	11200.6	11989.1	11210.8
55°	8153.0	8241.3	8750.6	9510.4	10689.2	11578.4	12116.5	12102.1	11664.7	12184.2	11477.8
57.5°	6594.2	6723.6	7189.8	8072.9	9999.2	12083.6	12796.2	12761.3	12024.1	12334.2	11767.4
60°	4565.2	4585.8	5006.8	5633.1	7717.6	10674.8	12597.0	12673.0	12089.8	12145.2	11231.4
62.5°	3651.4	3645.2	3684.2	3700.7	4908.2	7504.0	9943.7	10221.0	10044.4	9463.2	7959.9
65°	3117.4	3140.0	3255.0	3195.5	3203.7	4226.4	5941.2	5980.2	5857.0	5647.5	4210.0
67.5°	2439.7	2478.7	2682.1	2914.1	2840.2	2721.1	3082.5	3064.0	2415.1	1868.8	1544.3
70°	1527.9	1552.6	1770.2	2287.8	2472.6	2234.4	1981.8	1973.5	1293.8	1063.8	1166.5
72.5°	891.3	895.4	957.0	1275.3	1640.9	1527.9	1458.1	1404.7	831.7	848.2	930.3
75°	490.8	490.8	488.8	550.4	646.9	573.0	554.5	540.1	556.5	630.5	692.1
77.5°	102.7	104.7	110.9	145.8	188.9	230.0	289.6	291.6	363.5	421.0	470.3
80°	47.2	49.3	61.6	78.0	100.6	133.5	176.6	178.7	219.7	264.9	297.8
82.5°	24.6	26.7	32.9	41.1	53.4	69.8	98.6	98.6	131.4	156.1	176.6
85°	8.2	8.2	12.3	16.4	22.6	28.8	39.0	39.0	57.5	76.0	88.3
87.5°	0.0	0.0	0.0	0.0	2.1	4.1	8.2	8.2	10.3	12.3	20.5
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°	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6	9210.6
2.5°	9169.5	9105.8	9107.9	9120.2	9081.2	9021.6	8982.6	8933.3	8902.5	8896.4	8919.0
5°	9038.1	8964.1	8912.8	8859.4	8748.5	8617.1	8514.4	8430.2	8374.7	8354.2	8329.6
7.5°	8857.3	8760.8	8631.4	8481.5	8280.3	8046.2	7881.9	7727.8	7621.1	7590.3	7575.9
10°	8676.6	8537.0	8307.0	8027.7	7692.9	7376.7	7078.9	6850.9	6670.2	6567.5	6600.4
12.5°	8489.7	8317.2	7957.9	7528.6	7062.5	6586.0	6195.8	5818.0	5526.3	5380.5	5337.4
15°	8325.5	8091.3	7590.3	7009.1	6388.9	5789.2	5224.5	4657.7	4288.0	4086.7	4031.3
17.5°	8185.8	7881.9	7202.1	6479.2	5737.9	4883.6	4189.4	3663.7	3411.1	3300.2	3292.0
20°	8048.2	7676.5	6818.1	5908.3	4986.2	4029.2	3409.0	3162.6	3072.2	3033.2	3031.2
22.5°	7925.0	7460.9	6413.5	5337.4	4238.7	3386.5	3045.5	2938.8	2914.1	2914.1	2910.0
25°	7820.3	7245.2	5998.7	4731.6	3563.1	3014.7	2856.6	2811.4	2821.7	2840.2	2842.2
27.5°	7777.1	7076.8	5598.2	4109.3	3096.9	2799.1	2727.2	2721.1	2749.8	2778.6	2782.7
30°	7822.3	6961.8	5187.5	3513.8	2817.6	2667.7	2634.8	2647.1	2682.1	2710.8	2710.8
32.5°	7962.0	6904.3	4768.6	3078.4	2655.4	2575.3	2565.0	2577.3	2604.0	2620.4	2622.5
35°	8198.1	6926.9	4335.2	2784.7	2550.6	2507.5	2505.4	2513.7	2523.9	2534.2	2536.2
37.5°	8495.9	7027.6	3871.1	2614.3	2482.9	2458.2	2454.1	2452.0	2454.1	2454.1	2456.2
40°	8787.5	7179.5	3456.3	2513.7	2435.6	2415.1	2404.8	2390.4	2388.4	2384.3	2382.2
42.5°	9003.2	7296.6	3125.6	2441.8	2392.5	2367.8	2355.5	2332.9	2330.9	2328.8	2326.8
45°	9165.4	7395.2	2850.5	2372.0	2347.3	2324.7	2298.0	2277.5	2281.6	2285.7	2285.7
47.5°	9348.2	7481.4	2649.2	2306.2	2291.9	2269.3	2236.4	2222.0	2236.4	2250.8	2250.8
50°	9570.0	7602.6	2484.9	2240.5	2234.4	2207.7	2178.9	2172.8	2189.2	2209.7	2209.7
52.5°	9732.2	7707.3	2367.8	2174.8	2174.8	2139.9	2115.2	2113.2	2131.7	2152.2	2154.3
55°	10036.1	7951.7	2326.8	2098.8	2090.6	2063.9	2045.4	2031.0	2053.6	2072.1	2072.1
57.5°	10379.1	8276.2	2337.0	1990.0	1979.7	1971.5	1957.1	1940.7	1946.9	1967.4	1969.4
60°	9652.1	7647.8	2224.1	1881.1	1875.0	1870.9	1852.4	1823.6	1831.8	1848.3	1850.3
62.5°	6742.1	5082.8	1799.0	1745.6	1766.1	1764.1	1739.4	1706.6	1708.6	1731.2	1731.2
65°	3499.4	2749.8	1579.2	1622.4	1653.2	1640.9	1599.8	1571.0	1566.9	1595.7	1589.5
67.5°	1509.4	1501.2	1437.5	1493.0	1525.9	1499.2	1456.0	1408.8	1412.9	1423.2	1415.0
70°	1215.8	1252.7	1279.4	1339.0	1365.7	1316.4	1269.1	1242.5	1219.9	1217.8	1203.4
72.5°	971.4	1022.7	1082.3	1143.9	1152.1	1102.8	1043.2	1018.6	983.7	981.6	967.3
75°	731.1	774.2	821.5	870.7	870.7	823.5	784.5	772.2	731.1	718.8	706.5
77.5°	499.0	525.7	562.7	575.0	587.3	568.9	529.8	509.3	462.1	449.7	433.3
80°	314.2	332.7	355.3	363.5	375.8	353.2	322.4	299.8	267.0	256.7	248.5
82.5°	188.9	201.3	215.6	219.7	230.0	213.6	184.8	168.4	149.9	141.7	135.5
85°	96.5	102.7	110.9	113.0	110.9	94.5	84.2	76.0	63.7	61.6	57.5
87.5°	24.6	28.8	30.8	28.8	26.7	20.5	14.4	10.3	4.1	4.1	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)