

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: P642654

Luminaire Tested: GWS-SA6D-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642654
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-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: 29587.7 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

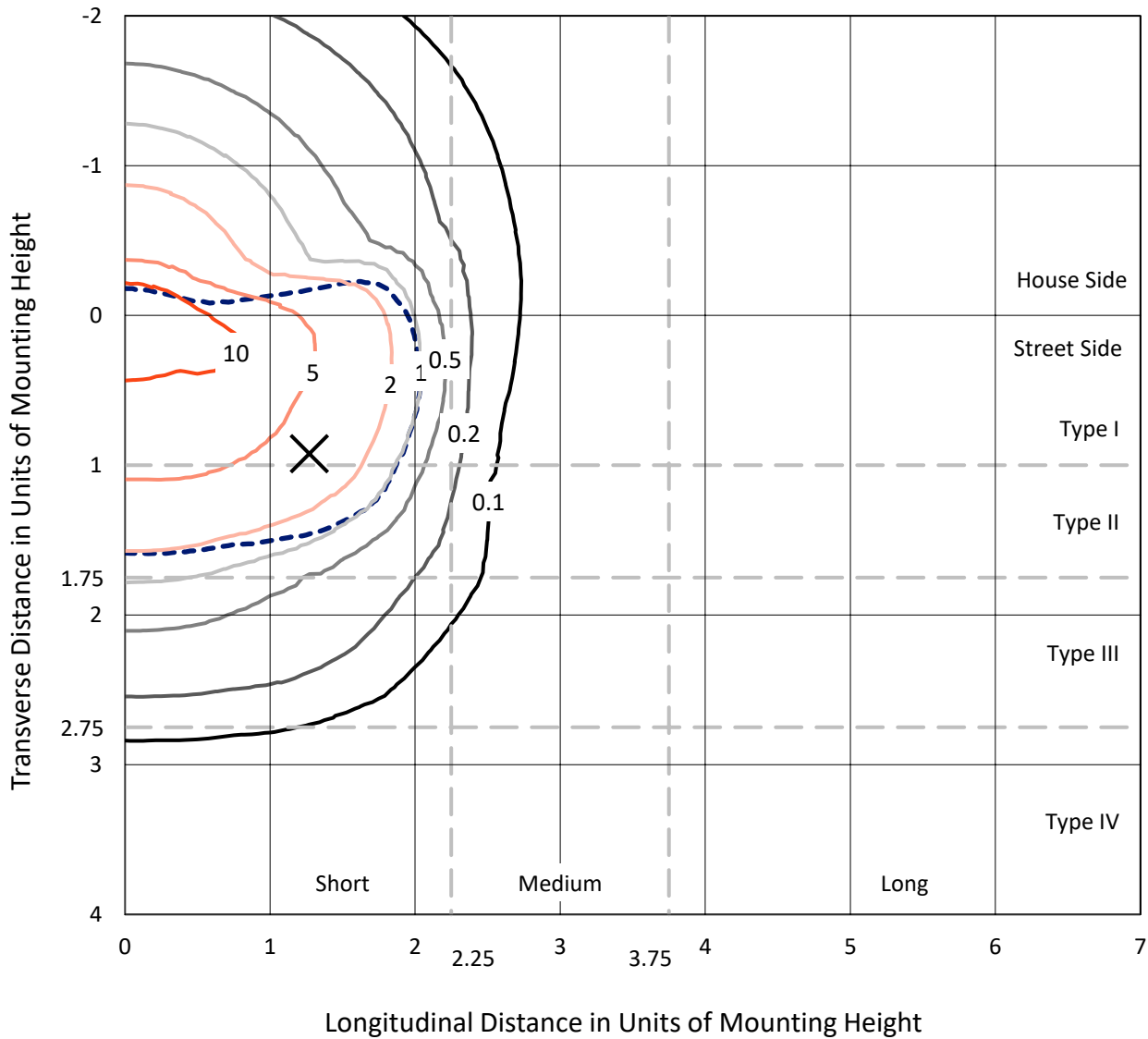
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

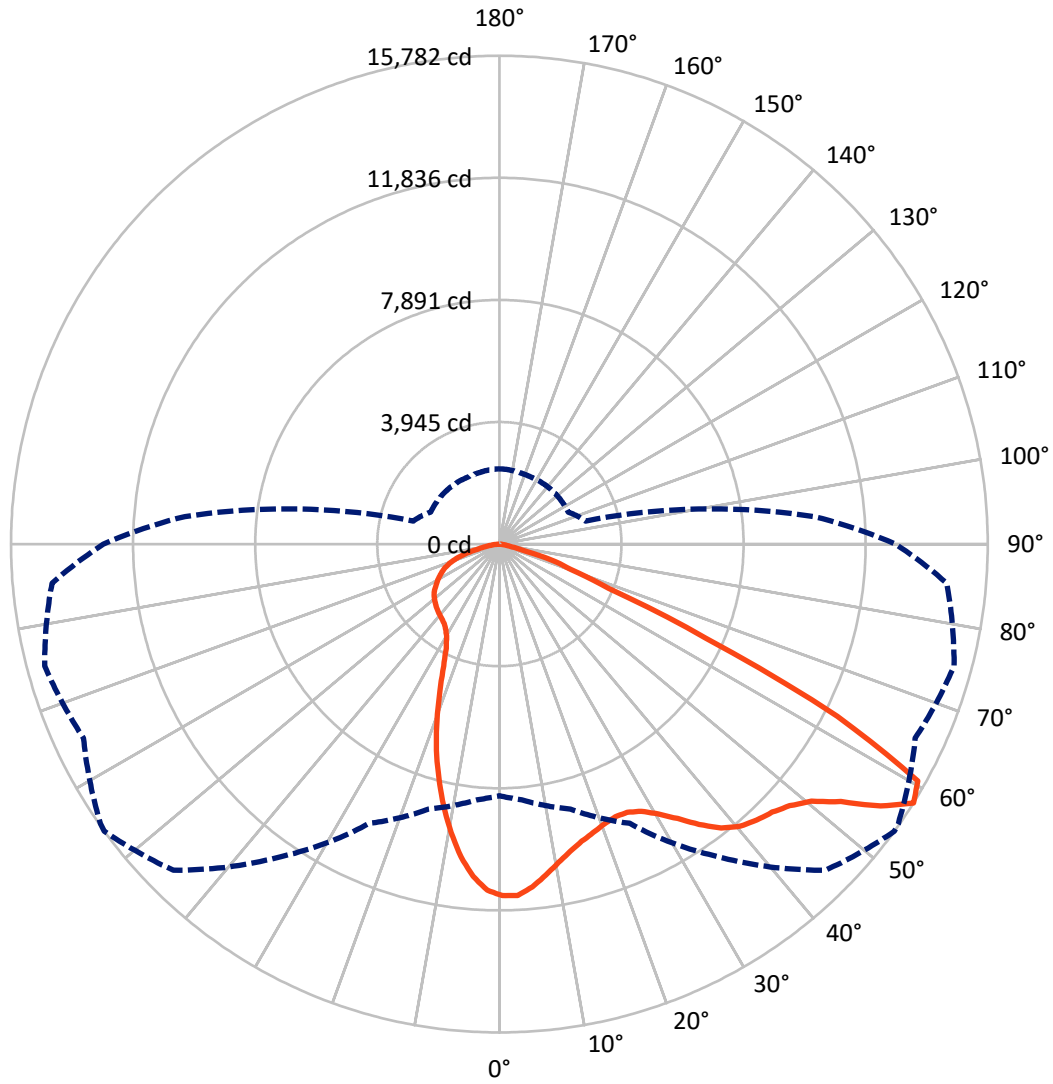
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.2 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	8601.5	0.0	8601.5
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	20986.2	0.0	20986.2
	% Fixture	70.9	0.0	70.9
Total	Lumens	29587.7	0.0	29587.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	998.5	3.4
10°-20°	2382.5	8.1
20°-30°	3297.0	11.1
30°-40°	4581.2	15.5
40°-50°	6050.4	20.4
50°-60°	7190.0	24.3
60°-70°	3983.4	13.5
70°-80°	991.9	3.4
80°-90°	112.8	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°	29587.7	100.0
0°-180°	29587.7	100.0

Coefficient of Utilization



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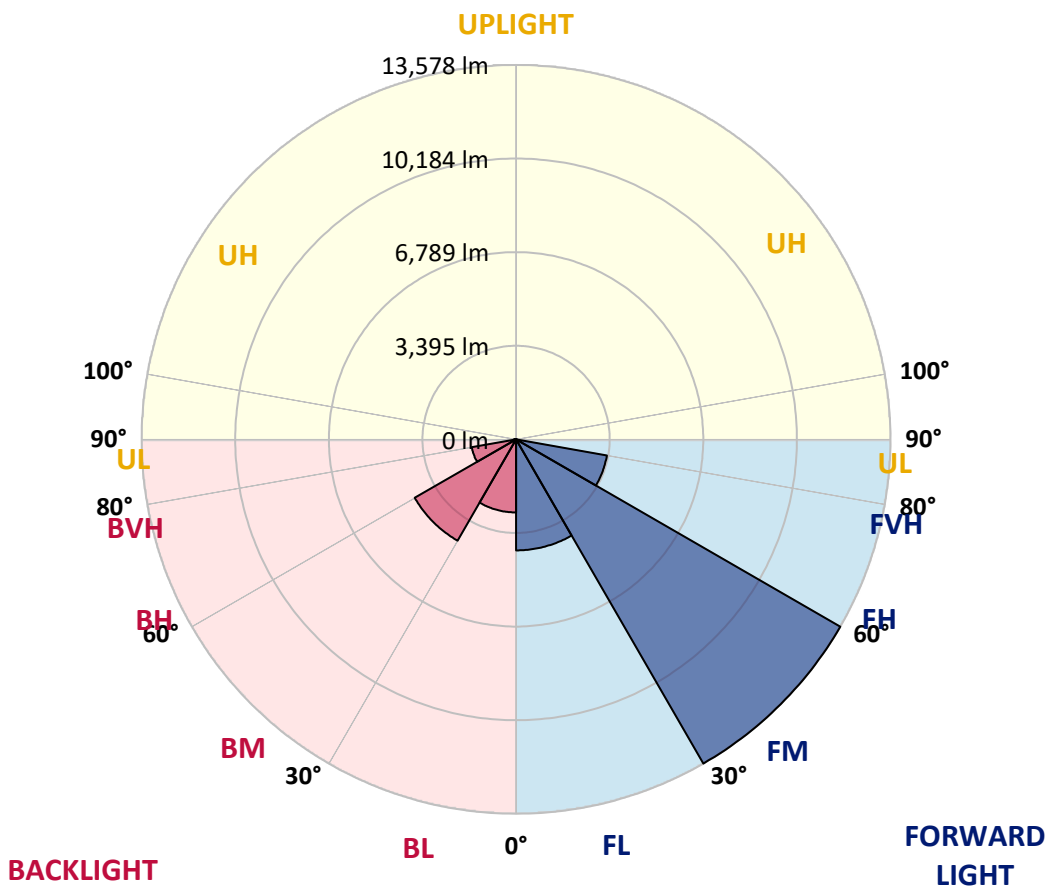
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4027.4	13.6			
FM (30°-60°)	13578.3	45.9			
FH (60°-80°)	3345.3	11.3			G2/5000
FVH (80°-90°)	35.3	0.1			G1/100
BL (0°-30°)	2650.6	9.0	B4/5000		
BM (30°-60°)	4243.3	14.3	B3/5000		
BH (60°-80°)	1630.0	5.5	B3/2500		G3/2500
BVH (80°-90°)	77.5	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°	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4
2.5°	11146.6	11169.4	11184.6	11237.8	11283.4	11323.9	11367.0	11367.0	11364.5	11356.9	11341.7
5°	10705.9	10731.3	10766.7	10840.2	10939.0	11009.9	11126.4	11136.5	11187.2	11207.4	11197.3
7.5°	10194.3	10201.9	10247.5	10343.8	10500.8	10627.4	10794.6	10814.8	10936.4	11007.3	10994.7
10°	9634.6	9609.3	9690.3	9832.1	10037.3	10250.0	10465.3	10483.1	10678.1	10812.3	10802.2
12.5°	9123.0	9125.5	9206.6	9378.8	9634.6	9898.0	10186.7	10227.3	10467.9	10640.1	10622.4
15°	8694.9	8705.1	8803.8	8998.9	9290.1	9604.2	9963.8	10001.8	10305.8	10533.7	10483.1
17.5°	8353.0	8363.1	8449.3	8672.1	8983.7	9363.6	9801.7	9839.7	10217.1	10488.1	10384.3
20°	8117.5	8112.4	8196.0	8408.7	8730.4	9143.2	9659.9	9715.6	10189.3	10505.9	10318.4
22.5°	8021.2	8018.7	8079.5	8254.2	8555.6	8973.5	9573.8	9649.8	10219.7	10584.4	10277.9
25°	8069.3	8059.2	8112.4	8241.6	8482.2	8907.7	9599.1	9680.2	10348.8	10746.5	10285.5
27.5°	8218.8	8206.1	8251.7	8368.2	8550.6	8976.1	9776.4	9870.1	10622.4	11042.8	10386.8
30°	8446.7	8439.1	8484.7	8596.2	8755.7	9204.0	10115.8	10222.2	11045.3	11503.8	10607.2
32.5°	8712.7	8700.0	8781.0	8910.2	9095.1	9619.4	10571.7	10711.0	11546.8	12096.4	10976.9
35°	9011.5	9001.4	9112.8	9300.3	9566.2	10196.9	11123.8	11275.8	12058.4	12767.6	11468.3
37.5°	9302.8	9302.8	9518.1	9796.7	10131.0	10825.0	11643.1	11739.3	12413.0	13362.8	11995.1
40°	9561.1	9576.3	9900.5	10318.4	10743.9	11392.3	11985.0	12066.0	12570.0	13773.1	12453.5
42.5°	9847.3	9860.0	10237.4	10784.5	11291.0	11850.7	12192.7	12233.2	12600.4	13978.3	12777.7
45°	10075.3	10093.0	10561.6	11146.6	11767.2	12195.2	12357.3	12392.8	12643.5	14089.7	13013.3
47.5°	10194.3	10219.7	10756.6	11437.9	12088.8	12504.2	12628.3	12643.5	12820.8	14284.7	13296.9
50°	10174.1	10224.7	10830.0	11582.3	12326.9	12815.7	13063.9	13089.3	13183.0	14570.9	13628.7
52.5°	10353.9	10376.7	10987.1	11754.5	12666.3	13390.7	13821.2	13856.7	13813.6	14786.2	13826.3
55°	10055.0	10163.9	10792.1	11729.2	13183.0	14279.7	14943.2	14925.5	14386.0	15026.8	14155.5
57.5°	8132.7	8292.2	8867.2	9956.2	12332.0	14902.7	15781.6	15738.5	14829.3	15211.7	14512.7
60°	5630.3	5655.6	6174.8	6947.3	9518.1	13165.2	15535.9	15629.6	14910.3	14978.7	13851.6
62.5°	4503.2	4495.6	4543.8	4564.0	6053.3	9254.7	12263.6	12605.5	12387.7	11670.9	9816.9
65°	3844.7	3872.6	4014.4	3941.0	3951.1	5212.4	7327.2	7375.4	7223.4	6965.1	5192.1
67.5°	3008.9	3057.0	3307.8	3594.0	3502.8	3355.9	3801.7	3778.9	2978.5	2304.8	1904.6
70°	1884.4	1914.8	2183.2	2821.5	3049.4	2755.6	2444.1	2434.0	1595.6	1312.0	1438.6
72.5°	1099.2	1104.3	1180.3	1572.8	2023.7	1884.4	1798.3	1732.4	1025.8	1046.0	1147.3
75°	605.3	605.3	602.8	678.8	797.8	706.6	683.8	666.1	686.4	777.6	853.5
77.5°	126.6	129.2	136.8	179.8	233.0	283.7	357.1	359.7	448.3	519.2	580.0
80°	58.3	60.8	76.0	96.2	124.1	164.6	217.8	220.3	271.0	326.7	367.2
82.5°	30.4	32.9	40.5	50.7	65.9	86.1	121.6	121.6	162.1	192.5	217.8
85°	10.1	10.1	15.2	20.3	27.9	35.5	48.1	48.1	70.9	93.7	108.9
87.5°	0.0	0.0	0.0	0.0	2.5	5.1	10.1	10.1	12.7	15.2	25.3
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°	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4	11359.4
2.5°	11308.7	11230.2	11232.8	11247.9	11199.8	11126.4	11078.3	11017.5	10979.5	10971.9	10999.7
5°	11146.6	11055.5	10992.1	10926.3	10789.5	10627.4	10500.8	10396.9	10328.6	10303.2	10272.8
7.5°	10923.8	10804.7	10645.2	10460.3	10212.1	9923.3	9720.7	9530.7	9399.0	9361.0	9343.3
10°	10700.9	10528.6	10245.0	9900.5	9487.7	9097.6	8730.4	8449.3	8226.4	8099.7	8140.3
12.5°	10470.4	10257.6	9814.4	9285.1	8710.1	8122.5	7641.3	7175.3	6815.6	6635.8	6582.6
15°	10267.8	9979.0	9361.0	8644.3	7879.4	7139.8	6443.3	5744.3	5288.4	5040.2	4971.8
17.5°	10095.5	9720.7	8882.4	7990.8	7076.5	6022.9	5166.8	4518.4	4206.9	4070.1	4060.0
20°	9925.9	9467.4	8408.7	7286.7	6149.5	4969.3	4204.4	3900.4	3789.0	3740.9	3738.3
22.5°	9773.9	9201.5	7909.8	6582.6	5227.6	4176.5	3756.1	3624.4	3594.0	3594.0	3588.9
25°	9644.7	8935.5	7398.2	5835.5	4394.3	3718.1	3523.1	3467.3	3480.0	3502.8	3505.3
27.5°	9591.5	8727.9	6904.3	5068.0	3819.4	3452.1	3363.5	3355.9	3391.4	3426.8	3431.9
30°	9647.3	8586.0	6397.7	4333.5	3474.9	3290.0	3249.5	3264.7	3307.8	3343.2	3343.2
32.5°	9819.5	8515.1	5881.0	3796.6	3274.8	3176.1	3163.4	3178.6	3211.5	3231.8	3234.3
35°	10110.7	8543.0	5346.6	3434.4	3145.7	3092.5	3090.0	3100.1	3112.8	3125.4	3127.9
37.5°	10478.0	8667.1	4774.2	3224.2	3062.1	3031.7	3026.6	3024.1	3026.6	3026.6	3029.2
40°	10837.6	8854.5	4262.6	3100.1	3003.8	2978.5	2965.9	2948.1	2945.6	2940.5	2938.0
42.5°	11103.6	8998.9	3854.8	3011.4	2950.7	2920.3	2905.1	2877.2	2874.7	2872.1	2869.6
45°	11303.7	9120.4	3515.5	2925.3	2894.9	2867.1	2834.1	2808.8	2813.9	2819.0	2819.0
47.5°	11529.1	9226.8	3267.2	2844.3	2826.6	2798.7	2758.2	2740.4	2758.2	2775.9	2775.9
50°	11802.6	9376.2	3064.6	2763.2	2755.6	2722.7	2687.2	2679.7	2699.9	2725.2	2725.2
52.5°	12002.7	9505.4	2920.3	2682.2	2682.2	2639.1	2608.7	2606.2	2629.0	2654.3	2656.9
55°	12377.6	9806.8	2869.6	2588.5	2578.3	2545.4	2522.6	2504.9	2532.8	2555.5	2555.5
57.5°	12800.5	10207.0	2882.3	2454.2	2441.6	2431.4	2413.7	2393.5	2401.0	2426.4	2428.9
60°	11903.9	9432.0	2743.0	2320.0	2312.4	2307.3	2284.5	2249.1	2259.2	2279.5	2282.0
62.5°	8315.0	6268.6	2218.7	2152.8	2178.2	2175.6	2145.2	2104.7	2107.2	2135.1	2135.1
65°	4315.8	3391.4	1947.7	2000.9	2038.9	2023.7	1973.0	1937.6	1932.5	1967.9	1960.3
67.5°	1861.6	1851.4	1772.9	1841.3	1881.8	1848.9	1795.7	1737.5	1742.5	1755.2	1745.1
70°	1499.4	1545.0	1577.9	1651.4	1684.3	1623.5	1565.2	1532.3	1504.5	1501.9	1484.2
72.5°	1198.0	1261.3	1334.8	1410.7	1420.9	1360.1	1286.6	1256.2	1213.2	1210.7	1192.9
75°	901.7	954.8	1013.1	1073.9	1073.9	1015.6	967.5	952.3	901.7	886.5	871.3
77.5°	615.5	648.4	694.0	709.2	724.4	701.6	653.4	628.1	569.9	554.7	534.4
80°	387.5	410.3	438.2	448.3	463.5	435.6	397.6	369.8	329.3	316.6	306.5
82.5°	233.0	248.2	265.9	271.0	283.7	263.4	227.9	207.7	184.9	174.8	167.2
85°	119.0	126.6	136.8	139.3	136.8	116.5	103.8	93.7	78.5	76.0	70.9
87.5°	30.4	35.5	38.0	35.5	32.9	25.3	17.7	12.7	5.1	5.1	2.5
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)