

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: P642599

Luminaire Tested: GWS-SA6D-730-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642599
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27317.4 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

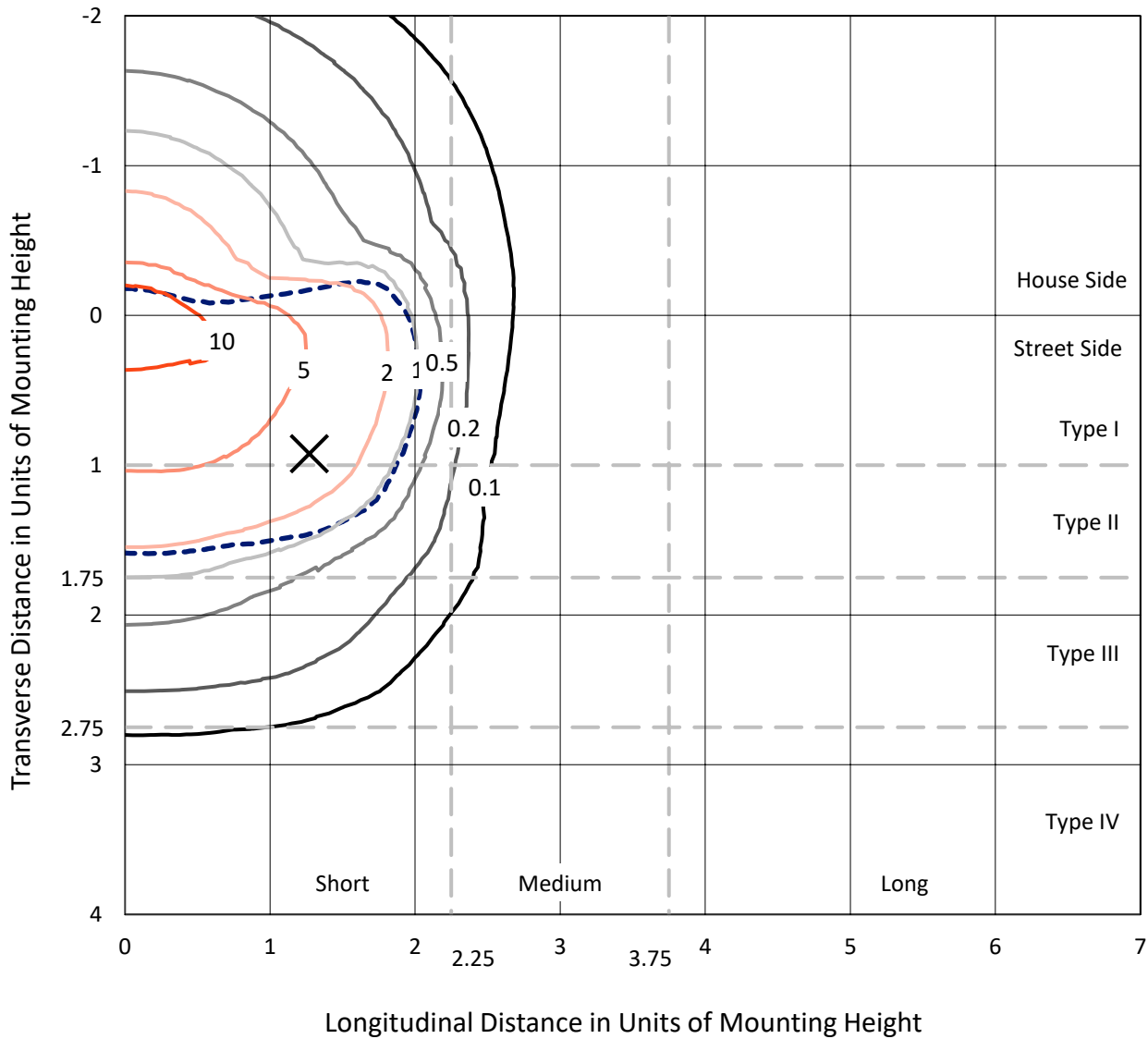
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

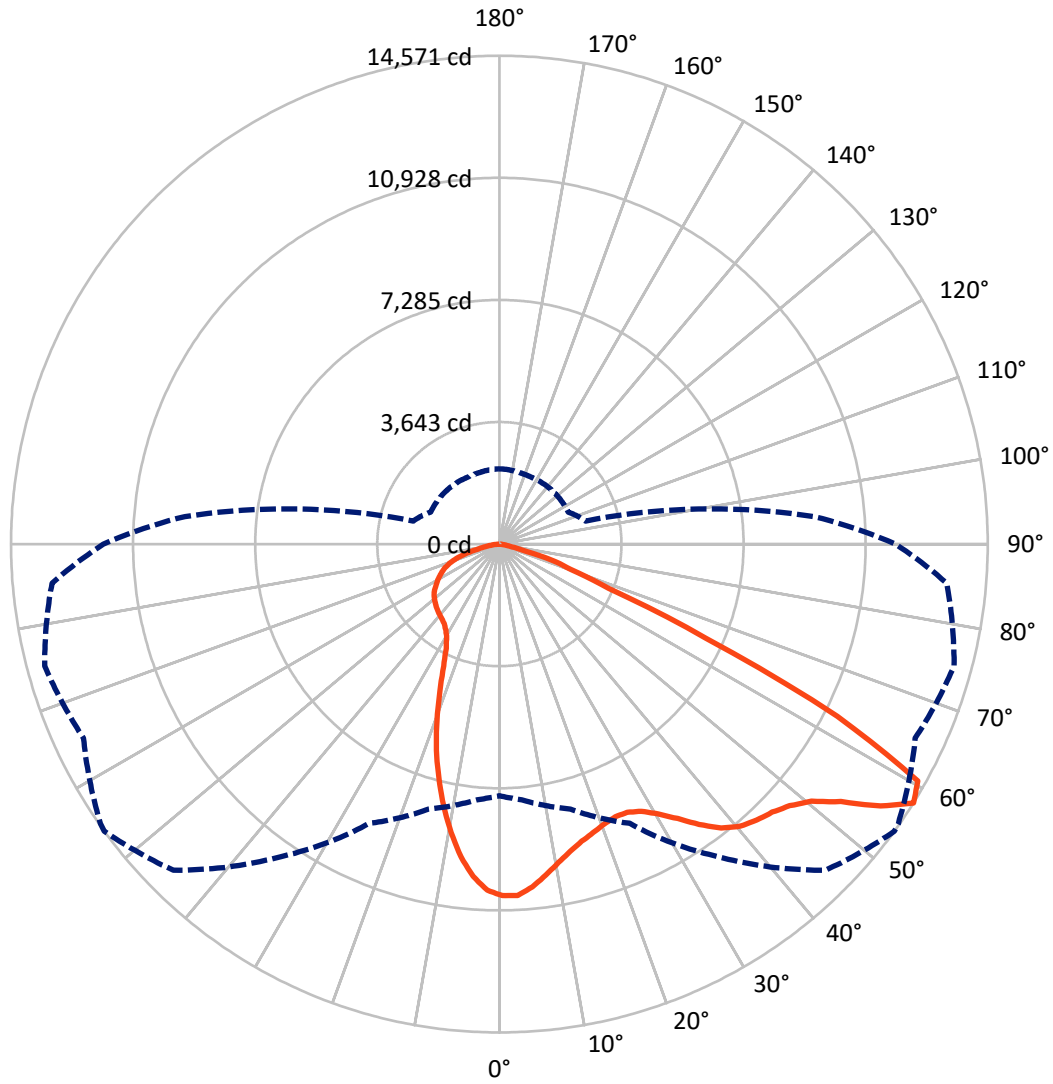
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 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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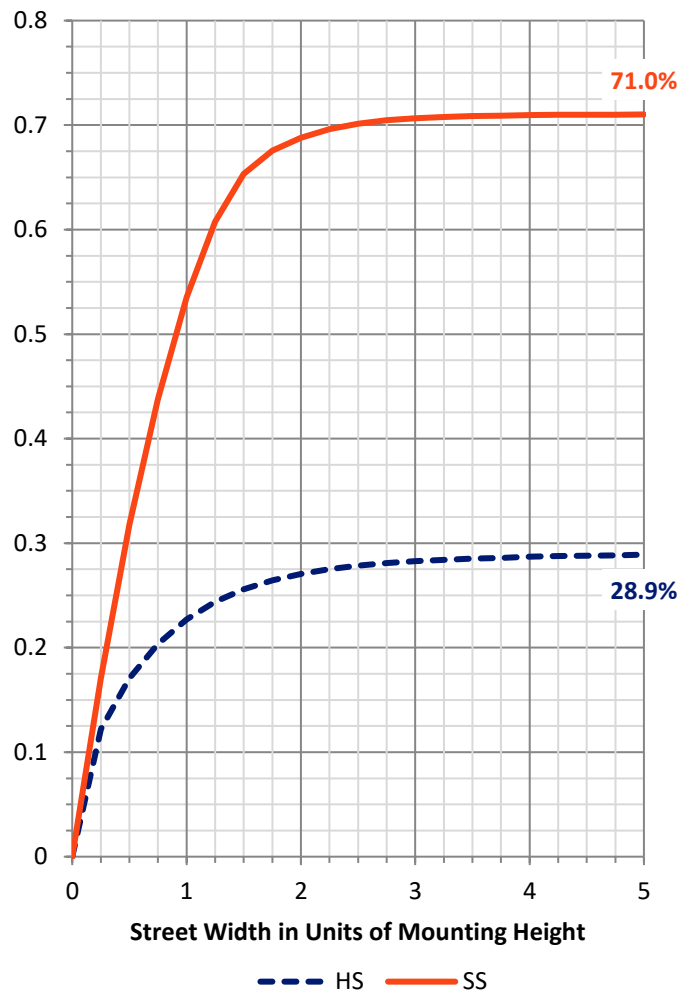
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7941.5	0.0	7941.5
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	19375.9	0.0	19375.9
	% Fixture	70.9	0.0	70.9
Total	Lumens	27317.4	0.0	27317.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	921.9	3.4
10°-20°	2199.7	8.1
20°-30°	3044.0	11.1
30°-40°	4229.7	15.5
40°-50°	5586.1	20.4
50°-60°	6638.3	24.3
60°-70°	3677.7	13.5
70°-80°	915.8	3.4
80°-90°	104.1	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°	27317.4	100.0
0°-180°	27317.4	100.0

Coefficient of Utilization



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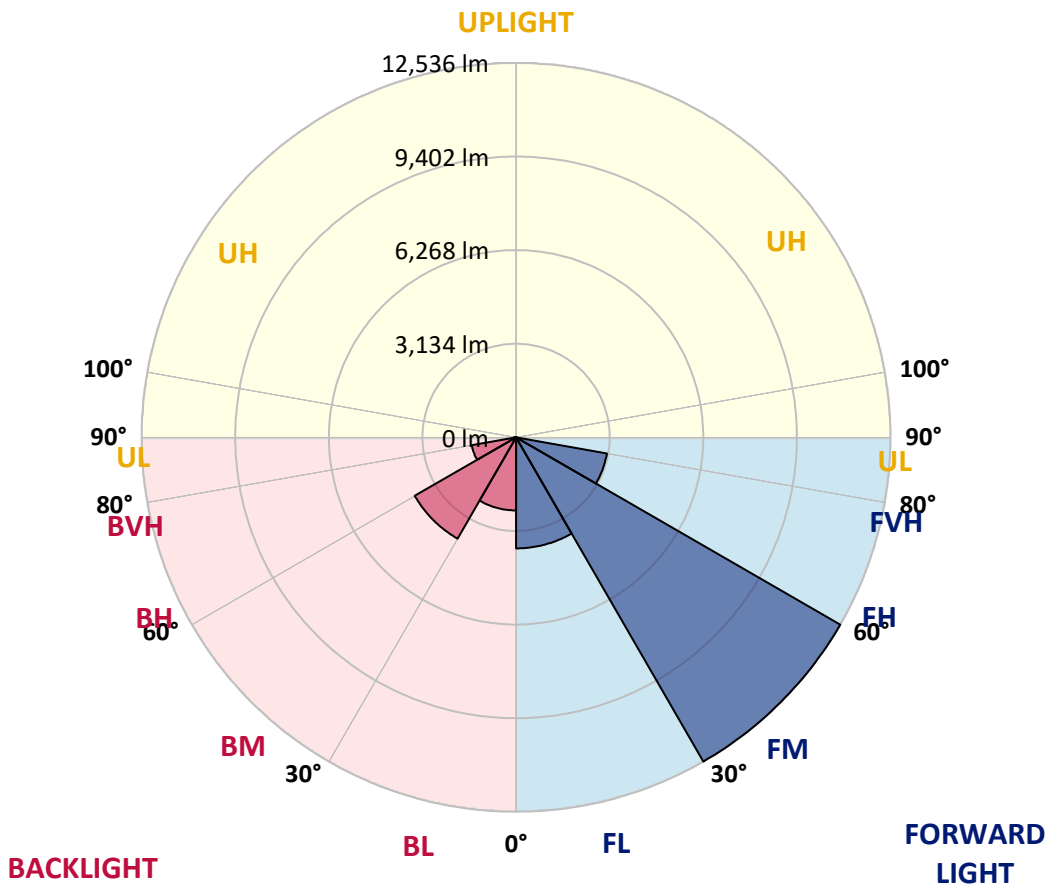
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3718.3	13.6			
FM (30°-60°)	12536.4	45.9			
FH (60°-80°)	3088.6	11.3			G2/5000
FVH (80°-90°)	32.6	0.1			G1/100
BL (0°-30°)	2447.2	9.0	B3/2500		
BM (30°-60°)	3917.7	14.3	B3/5000		
BH (60°-80°)	1504.9	5.5	B3/2500		G3/2500
BVH (80°-90°)	71.6	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°	54°	55°	65°	75°	85°
0°	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8
2.5°	10291.3	10312.4	10326.4	10375.5	10417.6	10455.0	10494.8	10494.8	10492.4	10485.4	10471.4
5°	9884.5	9907.8	9940.6	10008.4	10099.6	10165.1	10272.6	10282.0	10328.8	10347.5	10338.1
7.5°	9412.1	9419.1	9461.2	9550.1	9695.0	9812.0	9966.3	9985.0	10097.3	10162.7	10151.0
10°	8895.3	8871.9	8946.8	9077.7	9267.1	9463.5	9662.3	9678.7	9858.7	9982.7	9973.3
12.5°	8423.0	8425.3	8500.1	8659.1	8895.3	9138.5	9405.1	9442.5	9664.6	9823.7	9807.3
15°	8027.8	8037.1	8128.3	8308.4	8577.3	8867.3	9199.3	9234.4	9515.0	9725.4	9678.7
17.5°	7712.1	7721.4	7800.9	8006.7	8294.3	8645.1	9049.6	9084.7	9433.1	9683.4	9587.5
20°	7494.6	7489.9	7567.1	7763.5	8060.5	8441.7	8918.7	8970.1	9407.4	9699.7	9526.7
22.5°	7405.7	7403.4	7459.5	7620.9	7899.2	8285.0	8839.2	8909.3	9435.5	9772.2	9489.3
25°	7450.2	7440.8	7489.9	7609.2	7831.3	8224.2	8862.6	8937.4	9554.7	9921.9	9496.3
27.5°	7588.1	7576.4	7618.5	7726.1	7894.5	8287.3	9026.3	9112.8	9807.3	10195.5	9589.8
30°	7798.6	7791.6	7833.7	7936.6	8083.9	8497.8	9339.6	9437.8	10197.8	10621.1	9793.3
32.5°	8044.1	8032.4	8107.3	8226.5	8397.2	8881.3	9760.5	9889.1	10660.8	11168.2	10134.7
35°	8320.1	8310.7	8413.6	8586.6	8832.2	9414.4	10270.3	10410.6	11133.2	11787.9	10588.3
37.5°	8589.0	8589.0	8787.7	9045.0	9353.6	9994.4	10749.7	10838.5	11460.5	12337.5	11074.7
40°	8827.5	8841.5	9140.8	9526.7	9919.5	10518.2	11065.4	11140.2	11605.5	12716.3	11498.0
42.5°	9091.7	9103.4	9451.9	9957.0	10424.6	10941.4	11257.1	11294.5	11633.6	12905.7	11797.3
45°	9302.2	9318.6	9751.2	10291.3	10864.3	11259.4	11409.1	11441.8	11673.3	13008.6	12014.8
47.5°	9412.1	9435.5	9931.2	10560.3	11161.2	11544.7	11659.3	11673.3	11837.0	13188.6	12276.7
50°	9393.4	9440.2	9999.0	10693.6	11381.0	11832.4	12061.5	12084.9	12171.4	13452.9	12583.0
52.5°	9559.4	9580.5	10144.0	10852.6	11694.4	12363.2	12760.7	12793.4	12753.7	13651.6	12765.4
55°	9283.5	9384.0	9964.0	10829.2	12171.4	13184.0	13796.6	13780.3	13282.2	13873.8	13069.4
57.5°	7508.6	7656.0	8186.8	9192.3	11385.7	13759.2	14570.6	14530.9	13691.4	14044.5	13399.1
60°	5198.3	5221.7	5701.0	6414.3	8787.7	12155.1	14343.8	14430.3	13766.2	13829.4	12788.8
62.5°	4157.7	4150.7	4195.1	4213.8	5588.8	8544.6	11322.6	11638.3	11437.2	10775.4	9063.7
65°	3549.7	3575.4	3706.4	3638.6	3647.9	4812.4	6765.0	6809.5	6669.1	6430.6	4793.7
67.5°	2778.0	2822.5	3054.0	3318.2	3234.0	3098.4	3510.0	3488.9	2750.0	2128.0	1758.5
70°	1739.8	1767.8	2015.7	2605.0	2815.4	2544.2	2256.6	2247.2	1473.2	1211.3	1328.2
72.5°	1014.9	1019.5	1089.7	1452.2	1868.4	1739.8	1660.3	1599.5	947.1	965.8	1059.3
75°	558.9	558.9	556.5	626.7	736.6	652.4	631.4	615.0	633.7	717.9	788.0
77.5°	116.9	119.3	126.3	166.0	215.1	261.9	329.7	332.1	413.9	479.4	535.5
80°	53.8	56.1	70.2	88.9	114.6	152.0	201.1	203.4	250.2	301.7	339.1
82.5°	28.1	30.4	37.4	46.8	60.8	79.5	112.2	112.2	149.7	177.7	201.1
85°	9.4	9.4	14.0	18.7	25.7	32.7	44.4	44.4	65.5	86.5	100.6
87.5°	0.0	0.0	0.0	0.0	2.3	4.7	9.4	9.4	11.7	14.0	23.4
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°	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8	10487.8
2.5°	10441.0	10368.5	10370.8	10384.9	10340.5	10272.6	10228.2	10172.1	10137.0	10130.0	10155.7
5°	10291.3	10207.2	10148.7	10087.9	9961.6	9812.0	9695.0	9599.2	9536.0	9512.7	9484.6
7.5°	10085.6	9975.7	9828.3	9657.6	9428.5	9161.9	8974.8	8799.4	8677.8	8642.8	8626.4
10°	9879.8	9720.8	9458.9	9140.8	8759.7	8399.6	8060.5	7800.9	7595.2	7478.2	7515.7
12.5°	9667.0	9470.6	9061.3	8572.6	8041.8	7499.3	7055.0	6624.7	6292.7	6126.6	6077.5
15°	9479.9	9213.3	8642.8	7981.0	7274.8	6592.0	5948.9	5303.5	4882.6	4653.4	4590.3
17.5°	9320.9	8974.8	8200.8	7377.7	6533.5	5560.7	4770.4	4171.7	3884.1	3757.8	3748.5
20°	9164.2	8741.0	7763.5	6727.6	5677.7	4588.0	3881.8	3601.2	3498.3	3453.8	3451.5
22.5°	9023.9	8495.4	7302.9	6077.5	4826.5	3856.0	3467.9	3346.3	3318.2	3318.2	3313.5
25°	8904.7	8249.9	6830.5	5387.7	4057.1	3432.8	3252.7	3201.3	3213.0	3234.0	3236.4
27.5°	8855.6	8058.2	6374.5	4679.2	3526.3	3187.3	3105.4	3098.4	3131.1	3163.9	3168.5
30°	8907.0	7927.2	5906.8	4001.0	3208.3	3037.6	3000.2	3014.2	3054.0	3086.7	3086.7
32.5°	9066.0	7861.7	5429.8	3505.3	3023.6	2932.4	2920.7	2934.7	2965.1	2983.8	2986.1
35°	9334.9	7887.5	4936.4	3170.9	2904.3	2855.2	2852.9	2862.2	2873.9	2885.6	2887.9
37.5°	9674.0	8002.0	4407.9	2976.8	2827.1	2799.1	2794.4	2792.1	2794.4	2794.4	2796.7
40°	10006.1	8175.1	3935.5	2862.2	2773.4	2750.0	2738.3	2721.9	2719.6	2714.9	2712.6
42.5°	10251.6	8308.4	3559.1	2780.4	2724.2	2696.2	2682.2	2656.4	2654.1	2651.8	2649.4
45°	10436.3	8420.6	3245.7	2700.9	2672.8	2647.1	2616.7	2593.3	2598.0	2602.7	2602.7
47.5°	10644.4	8518.8	3016.5	2626.0	2609.7	2583.9	2546.5	2530.2	2546.5	2562.9	2562.9
50°	10897.0	8656.8	2829.5	2551.2	2544.2	2513.8	2481.1	2474.0	2492.7	2516.1	2516.1
52.5°	11081.7	8776.1	2696.2	2476.4	2476.4	2436.6	2408.6	2406.2	2427.3	2450.7	2453.0
55°	11427.8	9054.3	2649.4	2389.9	2380.5	2350.1	2329.1	2312.7	2338.4	2359.5	2359.5
57.5°	11818.3	9423.8	2661.1	2265.9	2254.2	2244.9	2228.5	2209.8	2216.8	2240.2	2242.5
60°	10990.5	8708.2	2532.5	2142.0	2135.0	2130.3	2109.2	2076.5	2085.9	2104.6	2106.9
62.5°	7677.0	5787.6	2048.4	1987.6	2011.0	2008.7	1980.6	1943.2	1945.6	1971.3	1971.3
65°	3984.7	3131.1	1798.2	1847.3	1882.4	1868.4	1821.6	1788.9	1784.2	1816.9	1809.9
67.5°	1718.7	1709.4	1636.9	1700.0	1737.4	1707.0	1657.9	1604.1	1608.8	1620.5	1611.2
70°	1384.3	1426.4	1456.8	1524.6	1555.0	1498.9	1445.1	1414.7	1389.0	1386.7	1370.3
72.5°	1106.1	1164.5	1232.3	1302.5	1311.8	1255.7	1187.9	1159.9	1120.1	1117.8	1101.4
75°	832.5	881.6	935.4	991.5	991.5	937.7	893.3	879.2	832.5	818.4	804.4
77.5°	568.2	598.6	640.7	654.8	668.8	647.7	603.3	579.9	526.1	512.1	493.4
80°	357.8	378.8	404.5	413.9	427.9	402.2	367.1	341.4	304.0	292.3	282.9
82.5°	215.1	229.2	245.5	250.2	261.9	243.2	210.5	191.7	170.7	161.4	154.3
85°	109.9	116.9	126.3	128.6	126.3	107.6	95.9	86.5	72.5	70.2	65.5
87.5°	28.1	32.7	35.1	32.7	30.4	23.4	16.4	11.7	4.7	4.7	2.3
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)