

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: P642595

Luminaire Tested: GWS-SA6D-730-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642595
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-SA6D-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27782.8 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

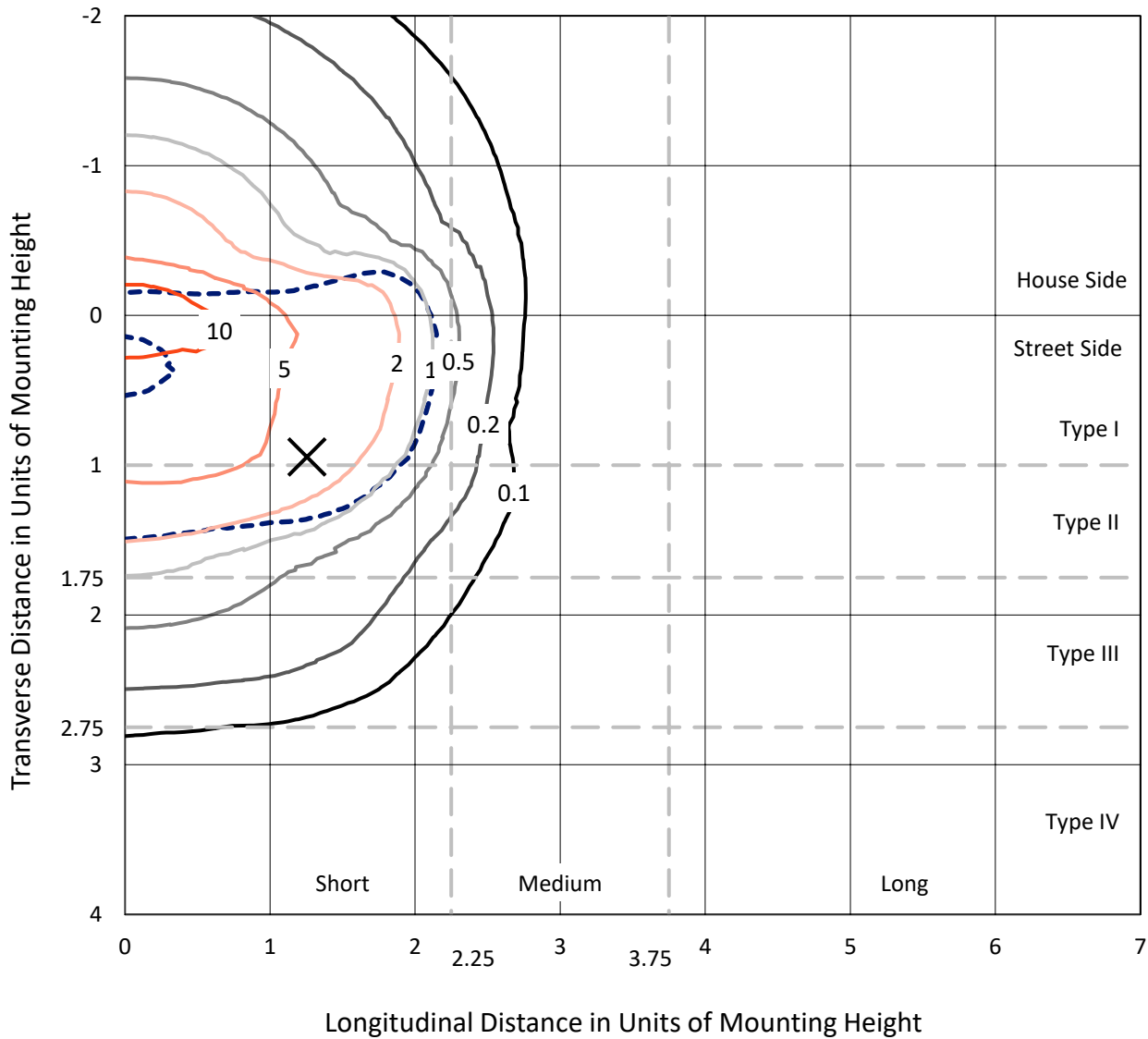
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642595
 CATALOG NUMBER: GWS-SA6D-730-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

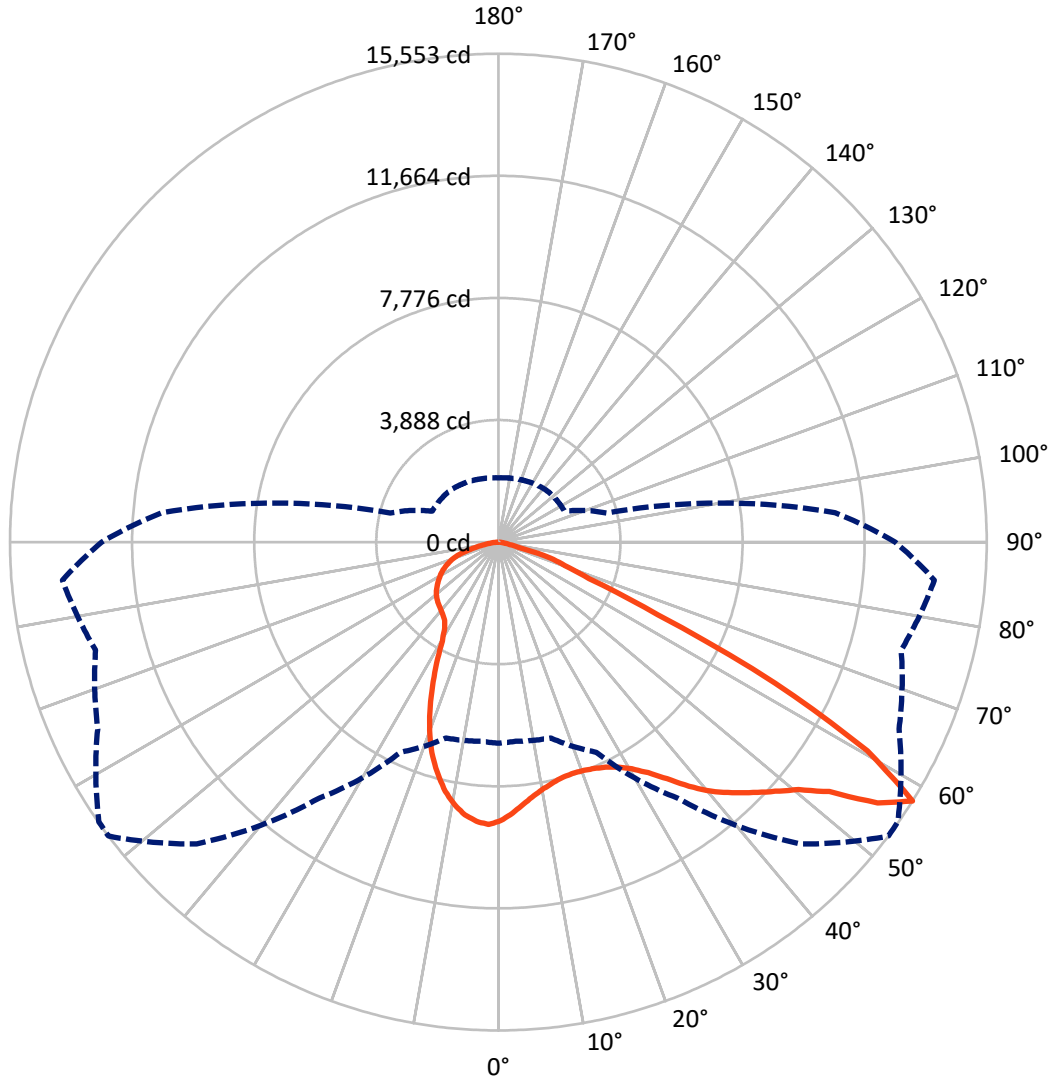
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
 Type II - Short - N/A

REPORT NUMBER: P642595
CATALOG NUMBER: GWS-SA6D-730-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P642595

CATALOG NUMBER: GWS-SA6D-730-U-SL2-W-GRSWH

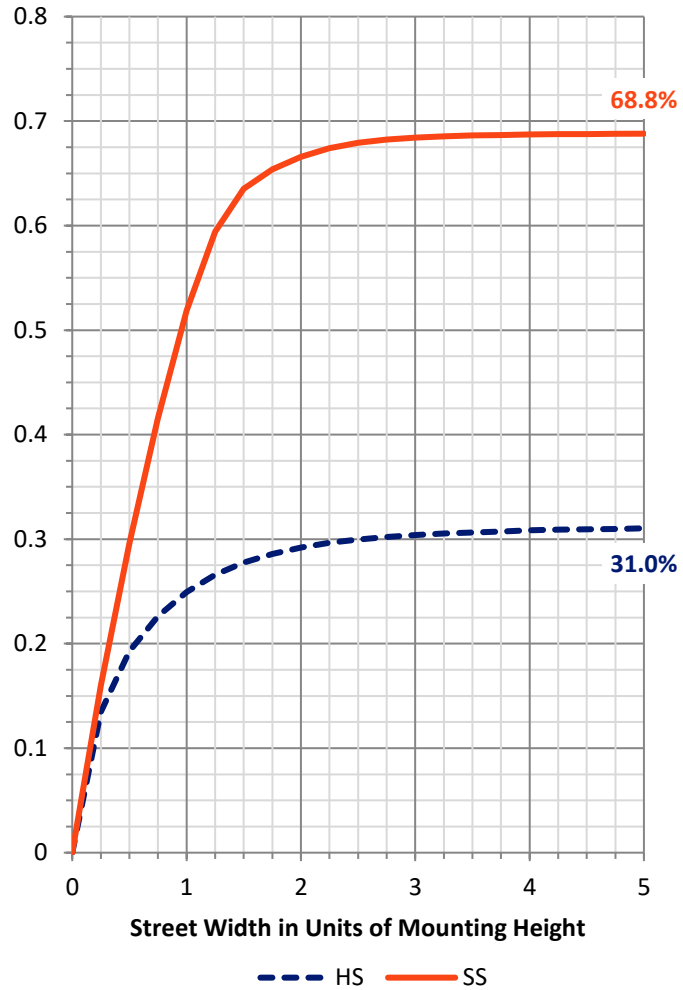
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8686.7	0.0	8686.7
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	19096.1	0.0	19096.1
	% Fixture	68.7	0.0	68.7
Total	Lumens	27782.8	0.0	27782.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.3	2.9
10°-20°	2104.8	7.6
20°-30°	3101.1	11.2
30°-40°	4340.7	15.6
40°-50°	5706.2	20.5
50°-60°	6690.6	24.1
60°-70°	3941.5	14.2
70°-80°	980.5	3.5
80°-90°	115.0	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°	27782.8	100.0
0°-180°	27782.8	100.0

Coefficient of Utilization



REPORT NUMBER: P642595

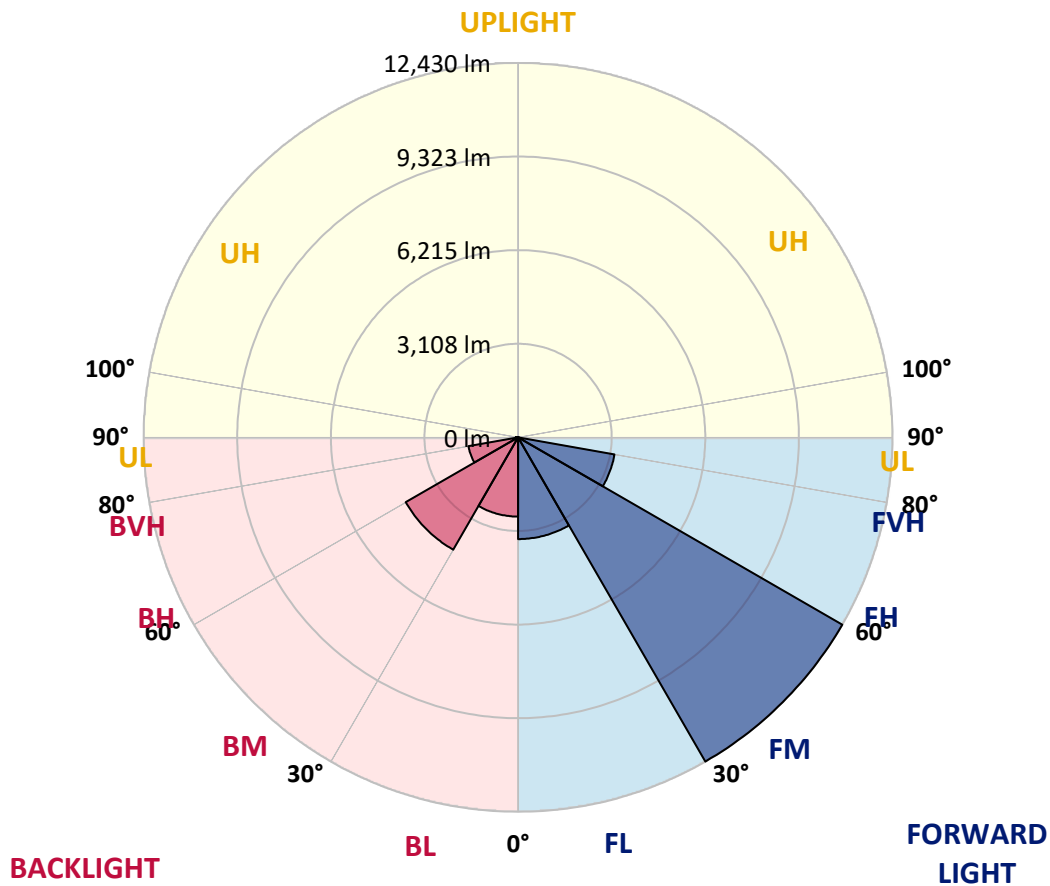
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3377.8	12.2			
FM (30°-60°)	12430.3	44.7			
FH (60°-80°)	3249.5	11.7			G2/5000
FVH (80°-90°)	38.5	0.1			G1/100
BL (0°-30°)	2630.4	9.5	B4/5000		
BM (30°-60°)	4307.3	15.5	B3/5000		
BH (60°-80°)	1672.5	6.0	B3/2500		G3/2500
BVH (80°-90°)	76.5	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





REPORT NUMBER: P642595

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8
2.5°	8362.0	8385.4	8390.1	8462.6	8467.3	8572.5	8642.6	8628.6	8701.1	8790.0	8860.1
5°	7962.2	7964.5	7987.9	8074.4	8121.2	8259.1	8376.1	8376.1	8516.4	8698.8	8855.4
7.5°	7632.5	7630.1	7651.2	7747.0	7824.2	7990.2	8149.2	8167.9	8364.4	8630.9	8885.8
10°	7326.1	7342.5	7365.9	7482.8	7581.0	7786.8	7976.2	8006.6	8254.5	8584.2	8927.9
12.5°	7129.7	7132.0	7167.1	7298.1	7424.3	7644.2	7842.9	7880.3	8165.6	8539.7	8958.3
15°	7003.4	7005.8	7043.2	7188.2	7335.5	7557.6	7761.1	7803.2	8114.2	8532.7	9016.8
17.5°	6947.3	6945.0	6980.1	7125.0	7286.4	7517.9	7735.3	7786.8	8137.5	8586.5	9119.7
20°	6947.3	6949.7	6968.4	7099.3	7263.0	7508.5	7761.1	7824.2	8228.7	8708.1	9278.7
22.5°	7045.5	7054.9	7064.2	7153.1	7281.7	7522.6	7828.9	7913.1	8425.2	8911.6	9486.8
25°	7237.3	7239.6	7249.0	7321.5	7379.9	7562.3	7941.1	8067.4	8731.5	9208.5	9748.7
27.5°	7494.5	7527.2	7536.6	7583.4	7583.4	7660.5	8116.5	8298.9	9145.4	9636.4	10083.1
30°	7854.6	7866.3	7882.7	7934.1	7878.0	7845.3	8373.7	8607.6	9624.8	10153.2	10485.3
32.5°	8170.3	8196.0	8284.9	8369.0	8268.5	8165.6	8752.5	9028.5	10085.4	10691.1	10913.2
35°	8439.2	8502.3	8673.0	8860.1	8790.0	8687.1	9255.3	9542.9	10464.2	11076.9	11292.0
37.5°	8764.2	8813.3	9047.2	9351.2	9414.3	9365.2	9867.9	10073.7	10716.8	11175.1	11497.8
40°	9093.9	9168.8	9470.4	9891.3	10132.2	10167.3	10433.8	10571.8	10803.3	10983.4	11458.0
42.5°	9430.7	9559.3	9973.2	10464.2	10892.2	10971.7	10910.9	10969.3	10775.2	10719.1	11273.3
45°	9842.2	9994.2	10461.9	11088.6	11652.1	11776.1	11378.5	11324.8	10770.6	10618.6	11158.7
47.5°	10328.6	10480.6	10927.2	11656.8	12377.0	12468.2	11857.9	11759.7	10934.2	10772.9	11313.1
50°	10758.9	10864.1	11264.0	12080.1	13052.8	13106.6	12386.4	12267.1	11341.1	11200.8	11794.8
52.5°	10321.6	10309.9	10730.8	11736.3	13403.6	14051.3	13200.1	13085.6	12126.8	11911.7	12540.7
55°	8757.2	8623.9	9000.4	9989.5	12423.8	14890.8	14659.3	14430.1	13174.4	12627.2	13239.9
57.5°	6402.5	6365.1	6456.3	7384.6	9952.1	13590.6	15552.5	15531.5	14079.4	13282.0	13936.7
60°	5006.5	4950.3	4707.2	4732.9	6783.6	10616.2	13497.1	14116.8	14640.6	13674.8	14423.1
62.5°	4445.3	4403.2	4276.9	3928.5	4040.7	7118.0	9893.7	10461.9	12793.3	12077.7	12388.7
65°	3680.6	3668.9	3774.1	3760.1	3386.0	3930.8	5584.0	6156.9	8044.0	8144.6	8044.0
67.5°	2675.1	2654.1	2920.6	3446.8	3259.7	2967.4	3112.4	3311.1	4124.9	3704.0	3334.5
70°	1739.8	1709.4	1863.7	2490.4	2918.3	2586.2	2242.5	2209.8	2268.2	1410.0	1524.6
72.5°	1166.8	1131.8	1129.4	1370.3	1763.1	1742.1	1737.4	1721.0	1536.3	1113.1	1234.7
75°	650.1	622.0	615.0	591.6	631.4	643.1	685.1	708.5	767.0	844.2	935.4
77.5°	109.9	107.6	135.6	173.0	238.5	306.3	378.8	399.9	493.4	584.6	643.1
80°	60.8	63.1	81.8	100.6	133.3	182.4	233.8	247.9	304.0	353.1	399.9
82.5°	32.7	32.7	42.1	53.8	72.5	95.9	126.3	138.0	175.4	205.8	238.5
85°	11.7	11.7	16.4	21.0	30.4	39.8	49.1	56.1	77.2	105.2	119.3
87.5°	0.0	0.0	0.0	0.0	2.3	4.7	9.4	9.4	11.7	21.0	30.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P642595

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8	8871.8
2.5°	8918.6	8855.4	8941.9	8981.7	8995.7	9005.1	8944.3	8902.2	8888.2	8843.7	8818.0
5°	8951.3	8909.2	8991.1	8991.1	8932.6	8871.8	8747.9	8661.3	8600.5	8528.1	8516.4
7.5°	9007.4	8977.0	9021.5	8930.3	8782.9	8619.3	8404.1	8235.8	8100.1	8011.3	8013.6
10°	9082.3	9044.8	9009.8	8806.3	8537.4	8235.8	7906.0	7660.5	7436.0	7333.1	7277.0
12.5°	9131.4	9077.6	8930.3	8593.5	8198.3	7793.8	7328.5	6963.7	6638.6	6491.3	6479.6
15°	9192.2	9093.9	8799.3	8317.6	7768.1	7216.2	6617.6	6110.2	5670.6	5441.4	5429.7
17.5°	9271.7	9110.3	8642.6	8001.9	7314.4	6500.7	5747.7	5109.4	4641.7	4464.0	4494.4
20°	9383.9	9129.0	8464.9	7651.2	6750.9	5686.9	4749.2	4162.3	3982.3	3970.6	3947.2
22.5°	9510.2	9140.7	8268.5	7258.3	6068.1	4819.4	3923.8	3673.6	3671.3	3729.7	3743.7
25°	9652.8	9150.1	8046.4	6800.0	5329.2	3954.2	3470.2	3395.3	3453.8	3563.7	3577.7
27.5°	9835.2	9168.8	7777.4	6297.2	4543.5	3416.4	3219.9	3201.2	3271.4	3374.3	3369.6
30°	10104.1	9236.6	7492.2	5719.7	3736.7	3161.5	3067.9	3070.3	3098.3	3147.5	3154.5
32.5°	10377.7	9341.8	7213.9	5069.6	3273.7	3016.5	2974.4	2969.7	2969.7	2990.8	2995.5
35°	10637.3	9461.1	6912.2	4391.5	3049.2	2932.3	2904.3	2890.2	2883.2	2878.5	2871.5
37.5°	10782.3	9519.5	6617.6	3722.7	2930.0	2876.2	2848.1	2829.4	2803.7	2785.0	2780.3
40°	10719.1	9451.7	6276.2	3222.3	2857.5	2822.4	2789.7	2764.0	2728.9	2712.5	2703.2
42.5°	10508.7	9241.3	5904.4	2986.1	2799.0	2764.0	2724.2	2682.1	2658.7	2644.7	2642.4
45°	10286.5	8986.4	5455.4	2848.1	2742.9	2700.8	2654.1	2607.3	2581.6	2574.6	2572.2
47.5°	10279.5	8860.1	4978.4	2738.2	2675.1	2633.0	2574.6	2527.8	2499.7	2490.4	2481.0
50°	10588.2	8988.7	4440.6	2642.4	2605.0	2560.5	2495.0	2443.6	2408.5	2396.8	2394.5
52.5°	11228.9	9472.8	3958.9	2546.5	2511.4	2460.0	2406.2	2354.7	2312.7	2291.6	2289.3
55°	11921.0	10087.8	3659.6	2448.3	2401.5	2357.1	2308.0	2251.9	2205.1	2172.4	2167.7
57.5°	12636.6	10758.9	3568.4	2324.3	2289.3	2258.9	2200.4	2139.6	2085.8	2055.4	2048.4
60°	13225.9	11336.4	3739.1	2193.4	2174.7	2134.9	2081.2	2022.7	1985.3	1961.9	1957.2
62.5°	11072.2	9229.6	3018.8	2050.8	2050.8	2008.7	1947.9	1905.8	1880.1	1863.7	1859.0
65°	7026.8	5715.0	2060.1	1908.1	1905.8	1849.7	1798.2	1770.2	1758.5	1732.7	1728.1
67.5°	3060.9	2612.0	1760.8	1763.1	1753.8	1693.0	1641.5	1620.5	1597.1	1569.1	1566.7
70°	1587.8	1618.2	1576.1	1601.8	1585.4	1512.9	1463.8	1431.1	1382.0	1353.9	1356.3
72.5°	1281.4	1314.2	1360.9	1400.7	1365.6	1307.2	1230.0	1190.2	1127.1	1096.7	1099.0
75°	977.4	1012.5	1056.9	1099.0	1071.0	998.5	949.4	909.6	837.1	802.1	809.1
77.5°	673.5	692.2	745.9	743.6	734.3	713.2	640.7	593.9	519.1	477.0	481.7
80°	418.6	430.3	456.0	467.7	463.0	434.9	376.5	341.4	297.0	271.3	273.6
82.5°	252.5	259.6	282.9	285.3	282.9	261.9	217.5	191.7	163.7	149.7	149.7
85°	128.6	133.3	147.3	147.3	133.3	112.2	100.6	88.9	72.5	65.5	65.5
87.5°	35.1	35.1	44.4	37.4	30.4	28.1	14.0	11.7	4.7	2.3	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)