

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: P642351

Luminaire Tested: GWS-SA6C-760-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642351
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY 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: 25116.1 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

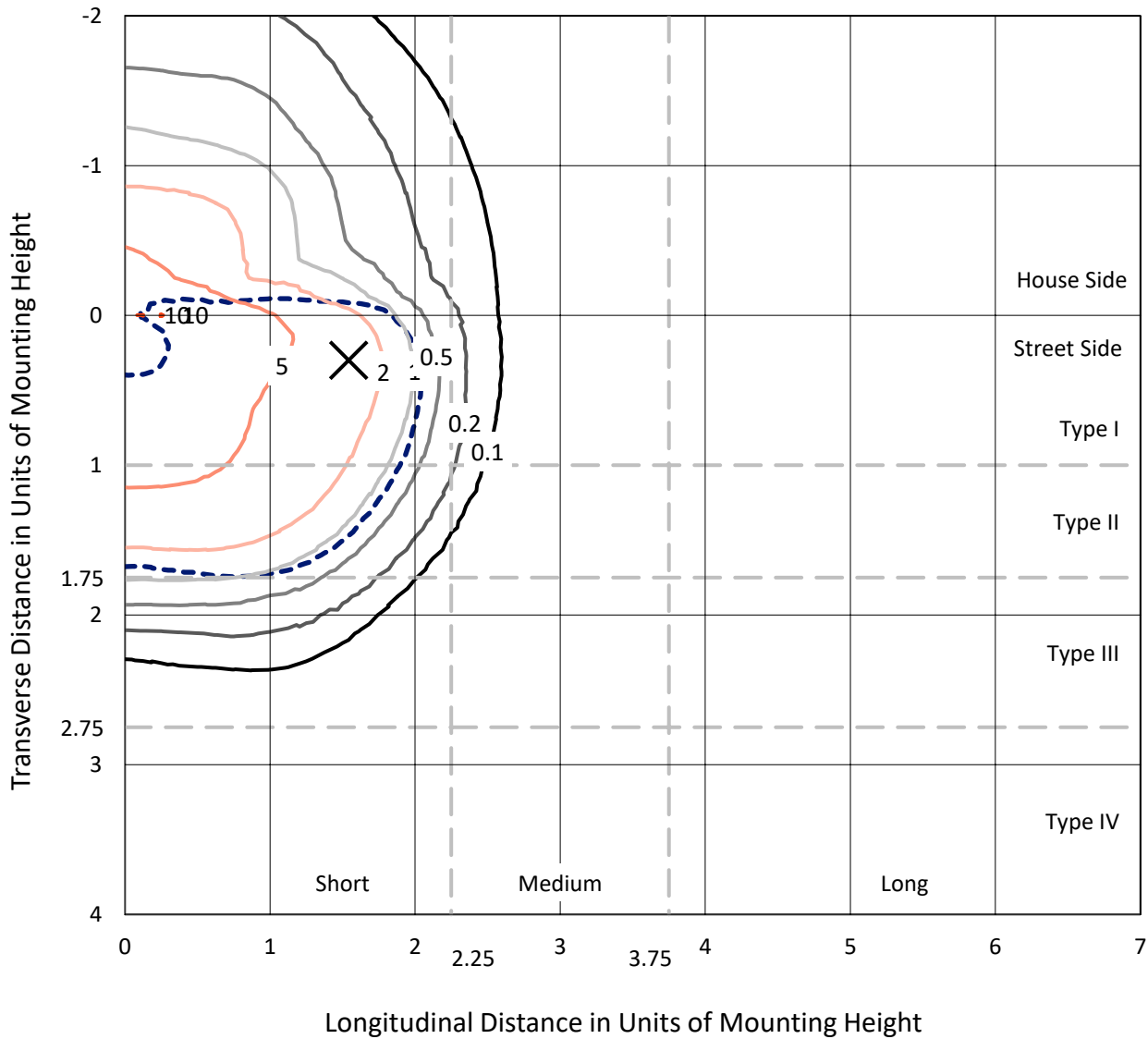
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

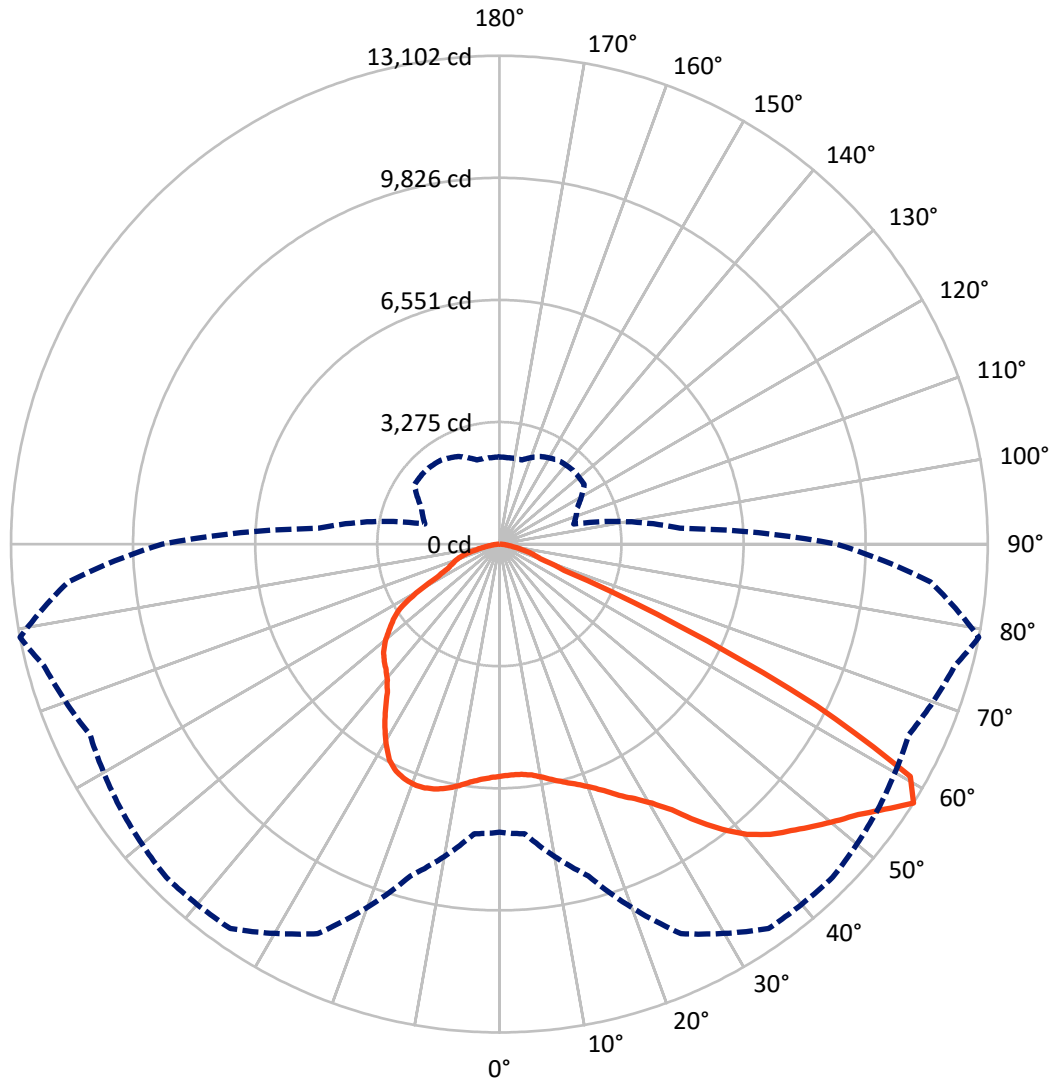
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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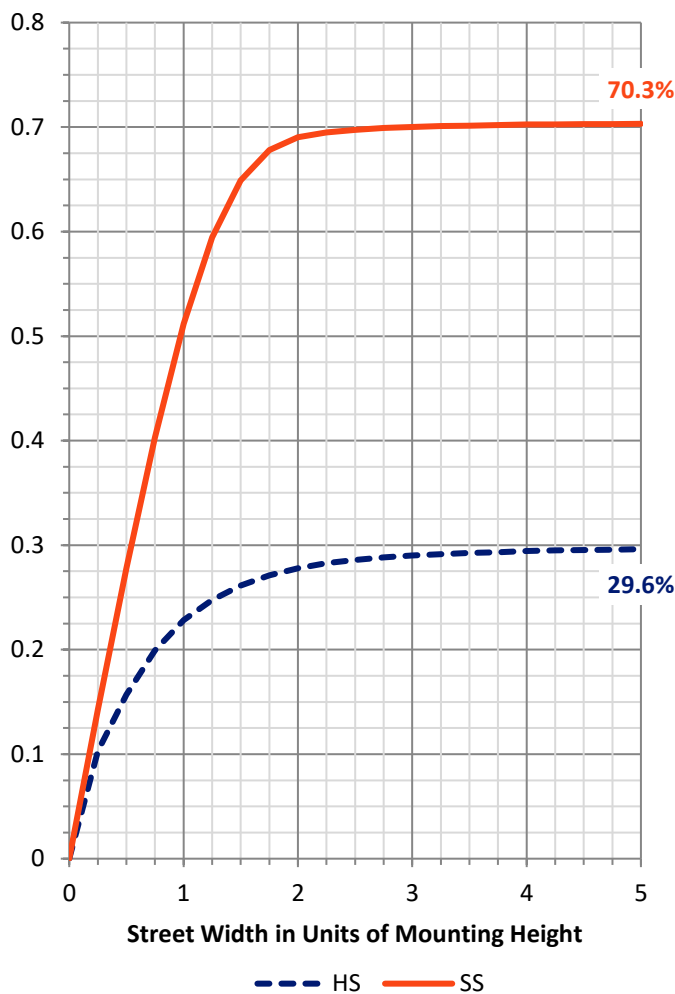
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7465.9	0.0	7465.9
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	17650.2	0.0	17650.2
	% Fixture	70.3	0.0	70.3
Total	Lumens	25116.1	0.0	25116.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.4	2.3
10°-20°	1601.9	6.4
20°-30°	2715.3	10.8
30°-40°	4156.1	16.5
40°-50°	5541.8	22.1
50°-60°	6400.3	25.5
60°-70°	3325.8	13.2
70°-80°	707.0	2.8
80°-90°	91.6	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°	25116.1	100.0
0°-180°	25116.1	100.0

Coefficient of Utilization



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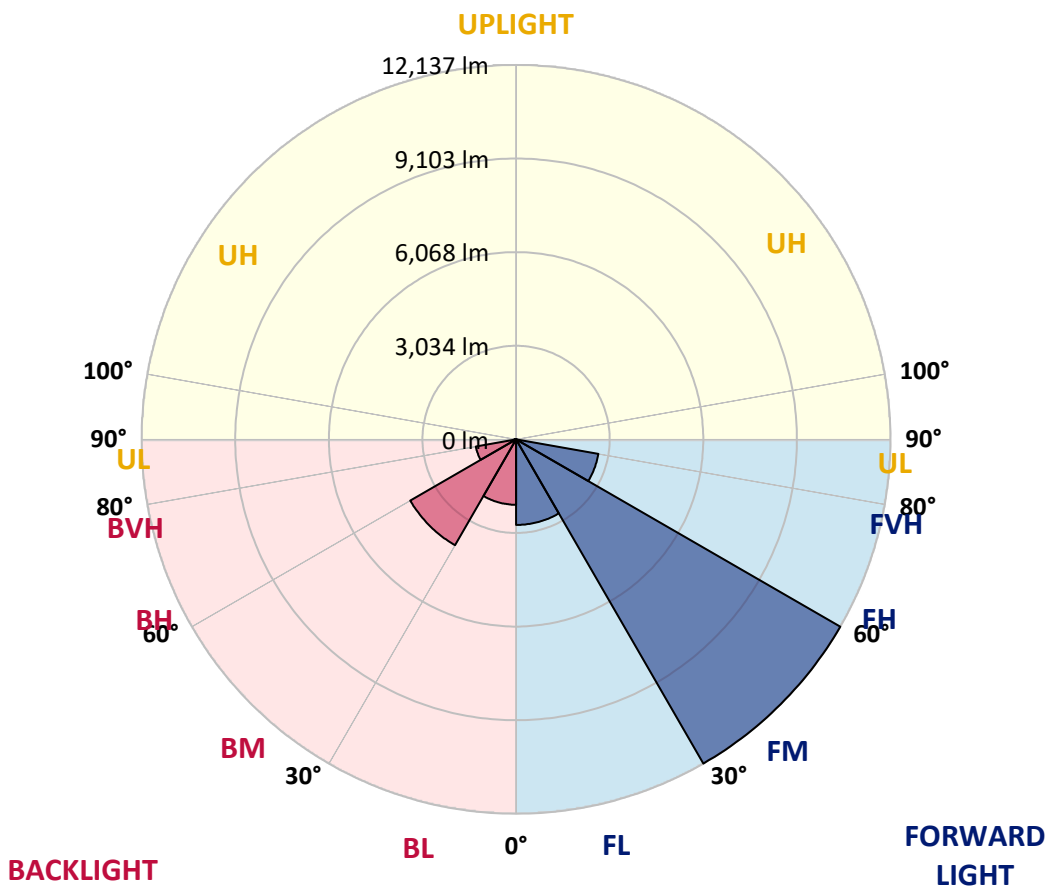
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2773.4	11.0			
FM (30°-60°)	12136.8	48.3			
FH (60°-80°)	2708.1	10.8			G2/5000
FVH (80°-90°)	31.9	0.1			G1/100
BL (0°-30°)	2120.2	8.4	B3/2500		
BM (30°-60°)	3961.3	15.8	B3/5000		
BH (60°-80°)	1324.7	5.3	B3/2500		G3/2500
BVH (80°-90°)	59.6	0.2			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°	55°	65°	75°	79°	85°
0°	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4
2.5°	5941.0	5928.6	5932.7	5949.2	6010.8	6056.0	6103.2	6146.3	6187.4	6199.7	6210.0
5°	5729.4	5706.9	5713.0	5739.7	5811.6	5887.6	5971.8	6074.4	6173.0	6205.9	6249.0
7.5°	5579.5	5575.4	5585.7	5626.8	5702.7	5774.6	5883.5	6029.3	6199.7	6255.2	6331.1
10°	5380.3	5372.1	5413.2	5497.4	5622.7	5737.7	5867.0	6039.5	6277.7	6359.9	6476.9
12.5°	5222.2	5218.1	5261.2	5378.3	5538.5	5721.2	5899.9	6092.9	6382.5	6495.4	6639.2
15°	5314.6	5296.1	5298.2	5380.3	5524.1	5739.7	5982.0	6189.4	6487.2	6631.0	6815.8
17.5°	5583.6	5550.8	5526.1	5540.5	5622.7	5846.5	6107.3	6318.8	6608.4	6776.8	7002.7
20°	5955.3	5936.9	5869.1	5823.9	5842.4	6039.5	6304.4	6501.6	6766.5	6955.4	7197.7
22.5°	6454.3	6409.2	6316.8	6244.9	6189.4	6343.5	6587.8	6758.3	6986.2	7183.4	7436.0
25°	7072.5	7006.8	6861.0	6748.0	6628.9	6787.0	7004.7	7134.1	7288.1	7470.9	7711.1
27.5°	7702.9	7647.5	7485.2	7333.3	7185.4	7284.0	7542.7	7616.7	7600.2	7733.7	7939.1
30°	8374.4	8304.6	8150.6	7986.3	7795.3	7859.0	8091.0	8128.0	7953.5	8064.3	8204.0
32.5°	9082.9	9015.1	8881.7	8690.7	8475.1	8499.7	8563.4	8598.3	8431.9	8495.6	8602.4
35°	9803.7	9740.1	9604.5	9415.6	9257.5	9107.6	8947.4	9087.0	8990.5	9113.7	9105.5
37.5°	10462.9	10399.2	10315.0	10169.2	9898.2	9602.5	9232.8	9405.3	9555.2	9711.3	9684.6
40°	10908.5	10865.4	10885.9	10863.3	10514.2	9929.0	9372.5	9561.4	9970.0	10237.0	10222.6
42.5°	11292.5	11249.4	11368.5	11454.8	11044.1	10230.9	9440.2	9620.9	10235.0	10651.8	10631.3
45°	11463.0	11450.7	11647.8	11920.9	11528.7	10551.2	9614.8	9744.2	10436.2	10970.1	10892.1
47.5°	11259.7	11302.8	11690.9	12153.0	11931.2	10931.1	9972.1	10005.0	10699.1	11315.1	11095.4
50°	10855.1	10949.6	11473.3	12159.1	12224.9	11360.3	10467.0	10384.9	11052.3	11682.7	11202.2
52.5°	10265.8	10364.3	11218.6	12111.9	12393.3	11857.3	11126.2	11009.2	11497.9	12050.3	11220.7
55°	8912.5	9045.9	10635.4	12005.1	12557.5	12309.1	11869.6	11631.4	12072.9	12555.5	11403.4
57.5°	7731.7	7801.5	9214.3	11530.8	12590.4	12641.7	12399.4	12116.0	12643.8	13101.7	11608.8
60°	5674.0	5690.4	6961.6	9540.9	11582.1	12448.7	12356.3	11935.3	12372.7	12664.3	10668.3
62.5°	3205.6	3207.7	4222.1	6368.1	8651.7	10146.7	10204.2	9832.5	9464.9	9551.1	7425.7
65°	1203.4	1316.3	1928.3	3129.6	4988.1	5990.2	6228.5	6314.7	5702.7	5322.8	3981.9
67.5°	805.0	831.7	1125.4	1610.0	2219.9	2562.8	2866.8	2875.0	2102.8	1874.9	1568.9
70°	614.0	640.7	885.1	1152.0	1125.4	1039.1	1123.3	1092.5	1129.5	1160.3	1193.1
72.5°	457.9	484.6	685.9	813.2	675.6	665.4	753.7	837.9	915.9	948.7	1000.1
75°	303.9	324.5	462.1	435.4	373.7	441.5	550.4	634.6	679.7	718.7	757.8
77.5°	193.0	207.4	246.4	199.2	207.4	258.7	320.4	396.3	439.5	478.5	499.0
80°	88.3	86.2	84.2	94.5	117.1	152.0	193.0	238.2	271.1	287.5	299.8
82.5°	34.9	39.0	43.1	51.3	63.7	82.1	108.8	139.6	166.3	170.4	180.7
85°	14.4	16.4	18.5	22.6	28.7	37.0	45.2	63.7	80.1	86.2	92.4
87.5°	0.0	0.0	0.0	0.0	2.1	4.1	6.2	10.3	18.5	20.5	22.6
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°	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4	6224.4
2.5°	6265.4	6238.7	6283.9	6314.7	6343.5	6312.7	6302.4	6275.7	6271.6	6271.6	6286.0
5°	6322.9	6304.4	6351.7	6370.2	6368.1	6300.3	6259.3	6205.9	6179.2	6179.2	6183.3
7.5°	6425.6	6415.3	6442.0	6413.3	6347.6	6210.0	6074.4	5961.5	5885.5	5846.5	5858.8
10°	6596.0	6583.7	6561.1	6454.3	6265.4	5980.0	5702.7	5497.4	5374.2	5304.4	5308.5
12.5°	6762.4	6741.8	6661.8	6425.6	6037.5	5583.6	5220.2	4990.2	4854.6	4772.5	4754.0
15°	6945.2	6891.8	6719.3	6277.7	5665.8	5099.0	4719.1	4470.6	4324.8	4275.5	4273.5
17.5°	7119.7	7025.2	6713.1	6014.9	5220.2	4591.8	4209.8	4055.8	4031.1	4053.7	4059.9
20°	7296.3	7144.3	6645.3	5651.4	4690.3	4086.6	3889.4	3953.1	4045.5	4107.1	4121.5
22.5°	7479.1	7242.9	6491.3	5183.2	4131.8	3745.7	3827.8	3967.5	4082.5	4164.6	4172.8
25°	7684.4	7335.3	6261.3	4610.2	3684.1	3651.2	3813.5	3961.3	4084.5	4179.0	4195.4
27.5°	7801.5	7337.4	5938.9	4020.9	3478.7	3614.3	3778.6	3918.2	4041.4	4144.1	4162.6
30°	7916.5	7281.9	5427.6	3542.4	3419.2	3571.1	3719.0	3848.4	3965.4	4066.1	4088.6
32.5°	8078.7	7230.6	4838.2	3267.2	3384.3	3530.1	3651.2	3766.2	3856.6	3901.8	3914.1
35°	8280.0	7164.9	4211.9	3148.1	3361.7	3497.2	3604.0	3665.6	3548.6	3523.9	3550.6
37.5°	8561.3	7103.3	3587.6	3096.8	3347.3	3484.9	3579.4	3421.2	3277.5	3220.0	3240.5
40°	8865.2	7068.4	3164.5	3055.7	3353.5	3497.2	3476.7	3242.6	3035.2	2914.0	2909.9
42.5°	9124.0	7015.0	2893.5	3029.0	3369.9	3544.5	3337.0	3084.5	2776.4	2704.5	2706.6
45°	9298.5	6879.4	2749.7	3000.3	3384.3	3554.7	3271.3	2866.8	2647.0	2601.9	2599.8
47.5°	9370.4	6633.0	2657.3	2955.1	3382.2	3470.5	3137.8	2776.4	2556.7	2544.4	2552.6
50°	9323.2	6228.5	2562.8	2866.8	3332.9	3382.2	2983.8	2696.3	2495.1	2562.8	2612.1
52.5°	9148.6	5704.8	2449.9	2745.6	3244.6	3281.6	2905.8	2647.0	2449.9	2540.3	2579.3
55°	9103.4	5279.7	2306.2	2587.5	3113.2	3102.9	2823.6	2622.4	2419.1	2384.2	2390.3
57.5°	9043.9	4864.9	2067.9	2304.1	2780.5	2797.0	2745.6	2593.7	2339.0	2328.7	2339.0
60°	7856.9	3729.3	1844.1	1987.8	2283.6	2371.9	2657.3	2540.3	2209.6	2166.5	2164.5
62.5°	5131.9	2258.9	1640.8	1733.2	1860.5	1963.2	2423.2	2386.2	2067.9	2041.2	2059.7
65°	2760.0	1610.0	1492.9	1548.4	1618.2	1696.2	2008.4	2125.4	1868.7	1774.3	1776.3
67.5°	1410.8	1369.7	1382.0	1421.1	1474.5	1513.5	1620.3	1722.9	1593.6	1513.5	1511.4
70°	1207.5	1240.4	1258.8	1281.4	1316.3	1310.2	1320.4	1338.9	1328.7	1289.6	1287.6
72.5°	1028.8	1080.2	1084.3	1088.4	1100.7	1072.0	1053.5	1022.7	1024.7	1030.9	1032.9
75°	782.4	831.7	844.0	837.9	850.2	813.2	788.6	757.8	720.8	714.6	718.7
77.5°	509.3	548.3	566.8	562.7	568.8	540.1	527.8	494.9	451.8	435.4	435.4
80°	308.0	330.6	345.0	349.1	355.3	334.7	314.2	285.4	267.0	248.5	248.5
82.5°	186.9	201.2	211.5	211.5	217.7	195.1	178.7	158.1	149.9	133.5	133.5
85°	94.5	104.7	108.8	106.8	102.7	84.2	78.0	67.8	63.7	55.4	55.4
87.5°	22.6	28.7	28.7	20.5	20.5	10.3	6.2	2.1	0.0	0.0	0.0
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)