

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: P636356

Luminaire Tested: GWS-SA3F-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636356
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-SA3F-750-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21927.9 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

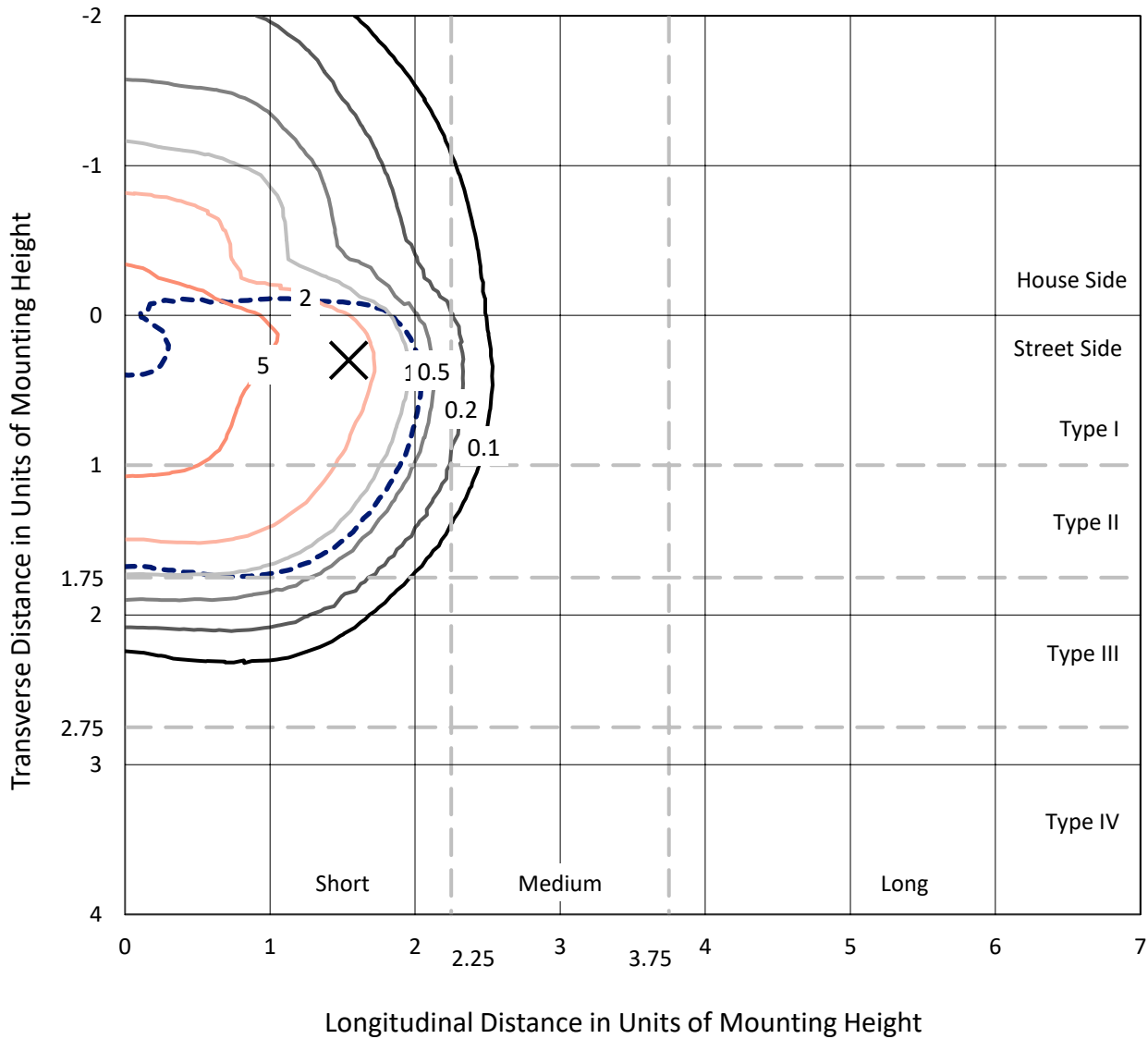
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

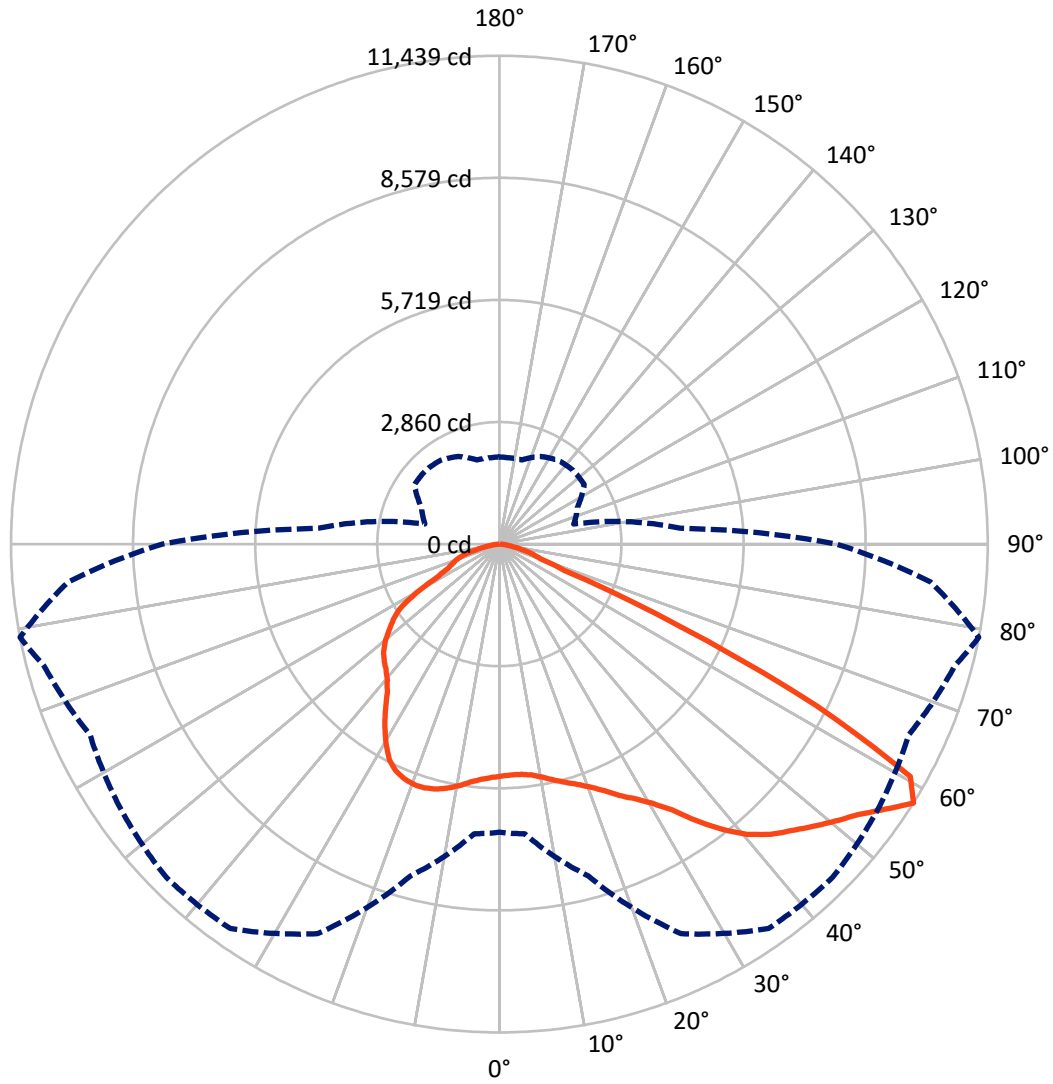
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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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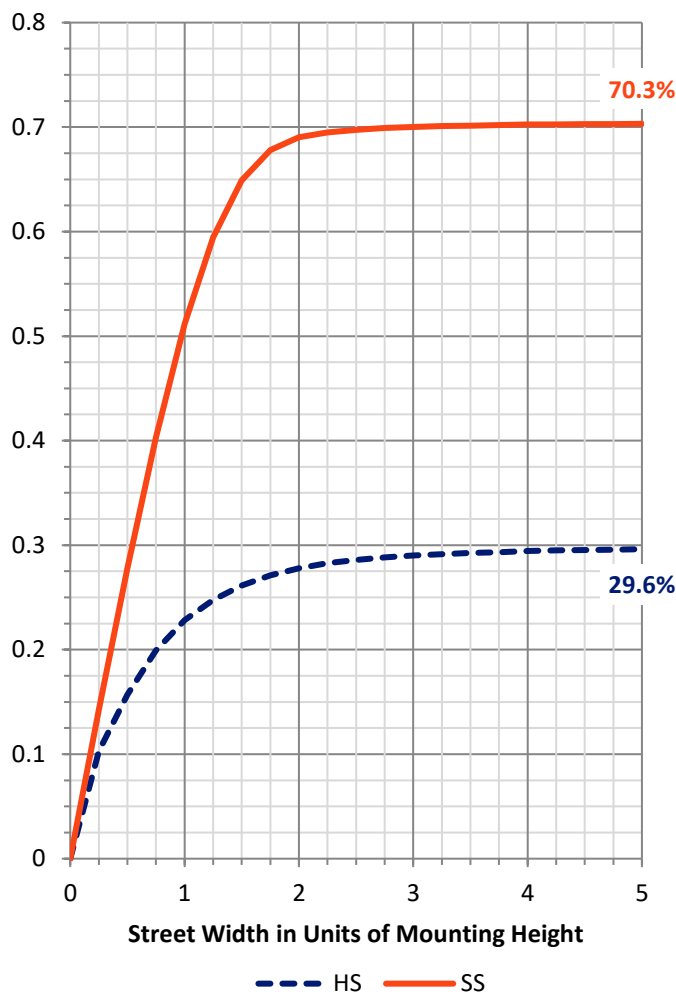
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6518.1	0.0	6518.1
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	15409.7	0.0	15409.7
	% Fixture	70.3	0.0	70.3
Total	Lumens	21927.9	0.0	21927.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.3	2.3
10°-20°	1398.6	6.4
20°-30°	2370.6	10.8
30°-40°	3628.5	16.5
40°-50°	4838.3	22.1
50°-60°	5587.8	25.5
60°-70°	2903.6	13.2
70°-80°	617.2	2.8
80°-90°	79.9	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°	21927.9	100.0
0°-180°	21927.9	100.0

Coefficient of Utilization



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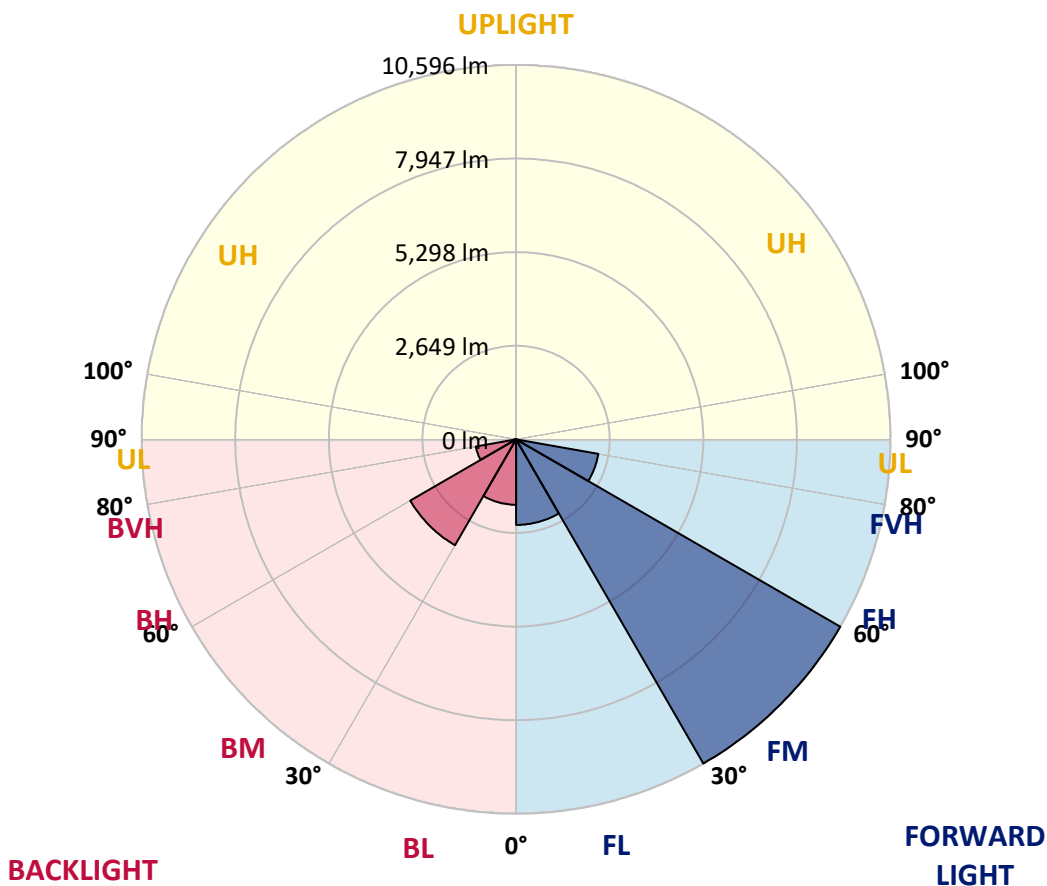
CATALOG NUMBER: GWS-SA3F-750-U-T3R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2421.3	11.0			
FM (30°-60°)	10596.2	48.3			
FH (60°-80°)	2364.4	10.8			G2/5000
FVH (80°-90°)	27.9	0.1			G1/100
BL (0°-30°)	1851.1	8.4	B3/2500		
BM (30°-60°)	3458.5	15.8	B3/5000		
BH (60°-80°)	1156.5	5.3	B3/2500		G3/2500
BVH (80°-90°)	52.1	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°	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2
2.5°	5186.8	5176.1	5179.7	5194.0	5247.8	5287.2	5328.5	5366.1	5402.0	5412.7	5421.7
5°	5002.2	4982.4	4987.8	5011.1	5073.9	5140.2	5213.7	5303.4	5389.4	5418.1	5455.8
7.5°	4871.3	4867.7	4876.7	4912.5	4978.8	5041.6	5136.6	5263.9	5412.7	5461.1	5527.5
10°	4697.4	4690.2	4726.1	4799.6	4908.9	5009.3	5122.3	5272.9	5480.9	5552.6	5654.8
12.5°	4559.3	4555.7	4593.4	4695.6	4835.4	4995.0	5151.0	5319.5	5572.3	5670.9	5796.4
15°	4640.0	4623.9	4625.6	4697.4	4822.9	5011.1	5222.7	5403.8	5663.7	5789.2	5950.6
17.5°	4874.9	4846.2	4824.7	4837.2	4908.9	5104.3	5332.0	5516.7	5769.5	5916.5	6113.7
20°	5199.4	5183.2	5124.1	5084.6	5100.8	5272.9	5504.2	5676.3	5907.6	6072.5	6284.1
22.5°	5635.0	5595.6	5514.9	5452.2	5403.8	5538.2	5751.6	5900.4	6099.4	6271.5	6492.0
25°	6174.7	6117.3	5990.0	5891.4	5787.4	5925.5	6115.5	6228.5	6363.0	6522.5	6732.3
27.5°	6725.1	6676.7	6535.1	6402.4	6273.3	6359.4	6585.3	6649.8	6635.5	6752.0	6931.3
30°	7311.4	7250.4	7116.0	6972.5	6805.8	6861.4	7064.0	7096.2	6943.9	7040.7	7162.6
32.5°	7929.9	7870.8	7754.2	7587.5	7399.2	7420.8	7476.3	7506.8	7361.6	7417.2	7510.4
35°	8559.2	8503.7	8385.3	8220.4	8082.3	7951.5	7811.6	7933.5	7849.3	7956.8	7949.7
37.5°	9134.8	9079.2	9005.7	8878.4	8641.7	8383.5	8060.8	8211.4	8342.3	8478.6	8455.3
40°	9523.8	9486.2	9504.1	9484.4	9179.6	8668.6	8182.7	8347.7	8704.5	8937.5	8925.0
42.5°	9859.1	9821.4	9925.4	10000.7	9642.1	8932.2	8241.9	8399.7	8935.7	9299.7	9281.8
45°	10007.9	9997.1	10169.3	10407.7	10065.3	9211.9	8394.3	8507.2	9111.5	9577.6	9509.5
47.5°	9830.4	9868.1	10206.9	10610.3	10416.7	9543.5	8706.3	8734.9	9340.9	9878.8	9687.0
50°	9477.2	9559.7	10016.9	10615.7	10673.1	9918.3	9138.3	9066.6	9649.3	10199.7	9780.2
52.5°	8962.6	9048.7	9794.5	10574.4	10820.1	10352.1	9713.9	9611.7	10038.4	10520.7	9796.3
55°	7781.1	7897.7	9285.4	10481.2	10963.5	10746.6	10362.9	10154.9	10540.4	10961.7	9955.9
57.5°	6750.2	6811.2	8044.7	10067.1	10992.2	11037.0	10825.5	10578.0	11038.8	11438.6	10135.2
60°	4953.7	4968.1	6077.9	8329.8	10111.9	10868.5	10787.8	10420.3	10802.1	11056.7	9314.0
62.5°	2798.7	2800.5	3686.2	5559.7	7553.4	8858.7	8908.9	8584.3	8263.4	8338.7	6483.1
65°	1050.6	1149.2	1683.5	2732.4	4354.9	5229.9	5437.8	5513.1	4978.8	4647.2	3476.4
67.5°	702.8	726.1	982.5	1405.6	1938.1	2237.5	2502.9	2510.0	1835.9	1636.9	1369.8
70°	536.1	559.4	772.7	1005.8	982.5	907.2	980.7	953.8	986.1	1013.0	1041.7
72.5°	399.8	423.1	598.8	710.0	589.9	580.9	658.0	731.5	799.6	828.3	873.1
75°	265.3	283.3	403.4	380.1	326.3	385.5	480.5	554.0	593.4	627.5	661.6
77.5°	168.5	181.1	215.1	173.9	181.1	225.9	279.7	346.0	383.7	417.7	435.7
80°	77.1	75.3	73.5	82.5	102.2	132.7	168.5	208.0	236.7	251.0	261.8
82.5°	30.5	34.1	37.7	44.8	55.6	71.7	95.0	121.9	145.2	148.8	157.8
85°	12.6	14.3	16.1	19.7	25.1	32.3	39.4	55.6	69.9	75.3	80.7
87.5°	0.0	0.0	0.0	0.0	1.8	3.6	5.4	9.0	16.1	17.9	19.7
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°	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2	5434.2
2.5°	5470.1	5446.8	5486.2	5513.1	5538.2	5511.3	5502.4	5479.1	5475.5	5475.5	5488.0
5°	5520.3	5504.2	5545.4	5561.5	5559.7	5500.6	5464.7	5418.1	5394.8	5394.8	5398.4
7.5°	5609.9	5601.0	5624.3	5599.2	5541.8	5421.7	5303.4	5204.8	5138.4	5104.3	5115.1
10°	5758.8	5748.0	5728.3	5635.0	5470.1	5220.9	4978.8	4799.6	4692.0	4631.0	4634.6
12.5°	5904.0	5886.0	5816.1	5609.9	5271.1	4874.9	4557.5	4356.7	4238.4	4166.7	4150.5
15°	6063.5	6016.9	5866.3	5480.9	4946.6	4451.7	4120.1	3903.1	3775.8	3732.8	3731.0
17.5°	6215.9	6133.5	5860.9	5251.4	4557.5	4008.9	3675.4	3541.0	3519.4	3539.2	3544.5
20°	6370.1	6237.5	5801.8	4934.0	4095.0	3567.8	3395.7	3451.3	3532.0	3585.8	3598.3
22.5°	6529.7	6323.5	5667.3	4525.2	3607.3	3270.2	3341.9	3463.9	3564.3	3636.0	3643.1
25°	6709.0	6404.2	5466.5	4025.0	3216.4	3187.8	3329.4	3458.5	3566.1	3648.5	3662.9
27.5°	6811.2	6406.0	5185.0	3510.5	3037.2	3155.5	3298.9	3420.8	3528.4	3618.0	3634.2
30°	6911.6	6357.6	4738.6	3092.7	2985.2	3117.8	3246.9	3359.9	3462.1	3549.9	3569.6
32.5°	7053.2	6312.8	4224.0	2852.5	2954.7	3082.0	3187.8	3288.2	3367.0	3406.5	3417.2
35°	7228.9	6255.4	3677.2	2748.5	2935.0	3053.3	3146.5	3200.3	3098.1	3076.6	3099.9
37.5°	7474.5	6201.6	3132.2	2703.7	2922.4	3042.5	3125.0	2986.9	2861.4	2811.2	2829.2
40°	7739.9	6171.1	2762.8	2667.8	2927.8	3053.3	3035.4	2831.0	2649.9	2544.1	2540.5
42.5°	7965.8	6124.5	2526.2	2644.5	2942.1	3094.5	2913.4	2692.9	2424.0	2361.2	2363.0
45°	8118.2	6006.2	2400.7	2619.4	2954.7	3103.5	2856.1	2502.9	2311.0	2271.6	2269.8
47.5°	8180.9	5791.0	2320.0	2580.0	2952.9	3030.0	2739.5	2424.0	2232.1	2221.4	2228.6
50°	8139.7	5437.8	2237.5	2502.9	2909.9	2952.9	2605.1	2354.1	2178.4	2237.5	2280.6
52.5°	7987.3	4980.6	2138.9	2397.1	2832.8	2865.0	2536.9	2311.0	2138.9	2217.8	2251.9
55°	7947.9	4609.5	2013.4	2259.0	2718.0	2709.1	2465.2	2289.5	2112.0	2081.5	2086.9
57.5°	7895.9	4247.3	1805.4	2011.6	2427.6	2441.9	2397.1	2264.4	2042.1	2033.1	2042.1
60°	6859.6	3255.9	1610.0	1735.5	1993.7	2070.8	2320.0	2217.8	1929.1	1891.5	1889.7
62.5°	4480.4	1972.2	1432.5	1513.2	1624.4	1714.0	2115.6	2083.3	1805.4	1782.1	1798.3
65°	2409.6	1405.6	1303.4	1351.8	1412.8	1480.9	1753.4	1855.6	1631.5	1549.1	1550.8
67.5°	1231.7	1195.9	1206.6	1240.7	1287.3	1321.4	1414.6	1504.2	1391.3	1321.4	1319.6
70°	1054.2	1082.9	1099.0	1118.8	1149.2	1143.9	1152.8	1169.0	1160.0	1125.9	1124.1
72.5°	898.2	943.1	946.6	950.2	961.0	935.9	919.8	892.9	894.7	900.0	901.8
75°	683.1	726.1	736.9	731.5	742.3	710.0	688.5	661.6	629.3	623.9	627.5
77.5°	444.6	478.7	494.8	491.3	496.6	471.5	460.8	432.1	394.4	380.1	380.1
80°	268.9	288.7	301.2	304.8	310.2	292.2	274.3	249.2	233.1	216.9	216.9
82.5°	163.2	175.7	184.7	184.7	190.0	170.3	156.0	138.1	130.9	116.5	116.5
85°	82.5	91.4	95.0	93.2	89.6	73.5	68.1	59.2	55.6	48.4	48.4
87.5°	19.7	25.1	25.1	17.9	17.9	9.0	5.4	1.8	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)