

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: P635861

Luminaire Tested: GWS-SA3E-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635861
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-SA3E-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: 19722.5 lumens
Efficiency: N/A
Efficacy: 123.9 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): 159.2
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

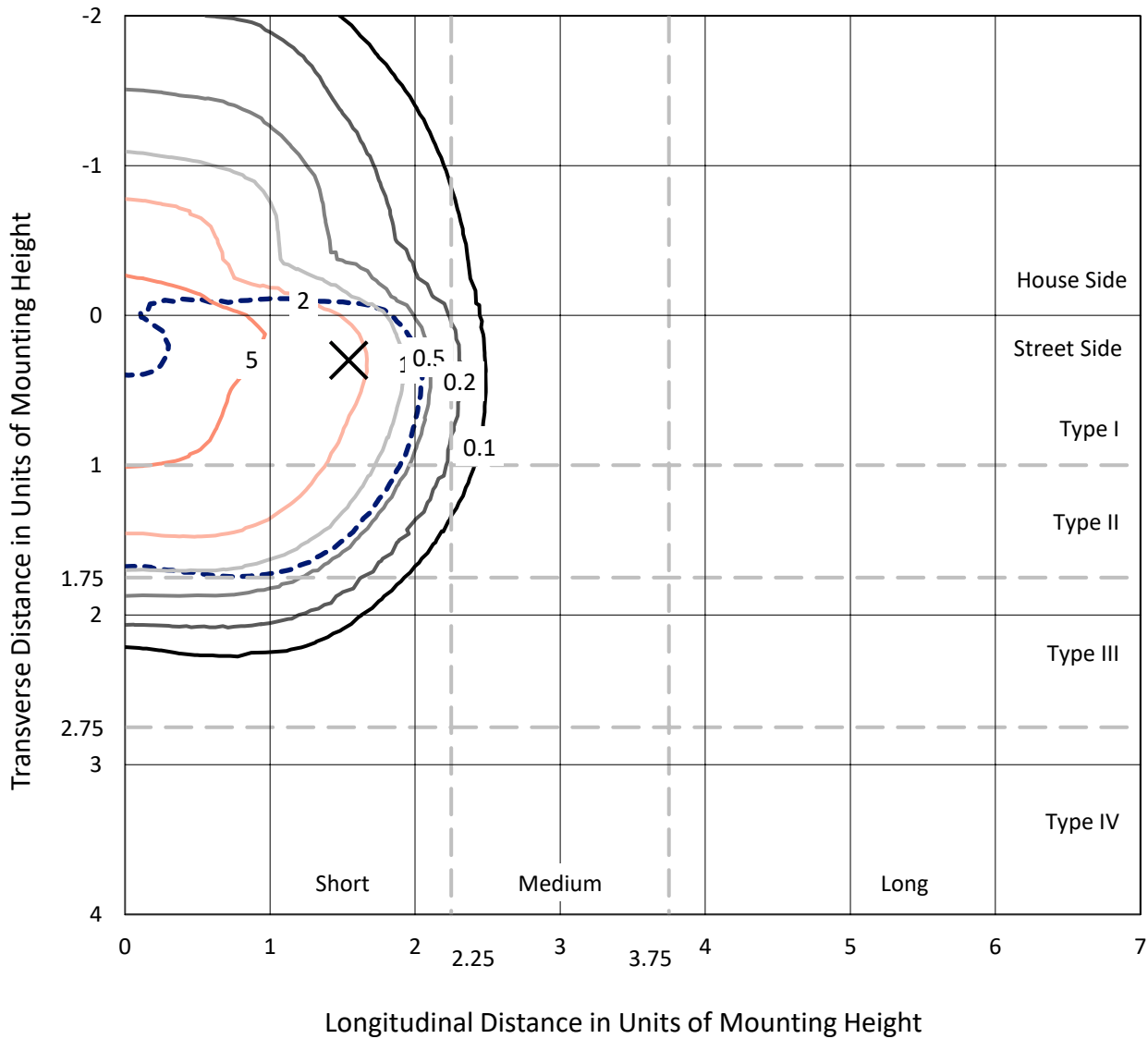


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Iso-Footcandle Lines of Horizontal Illumination

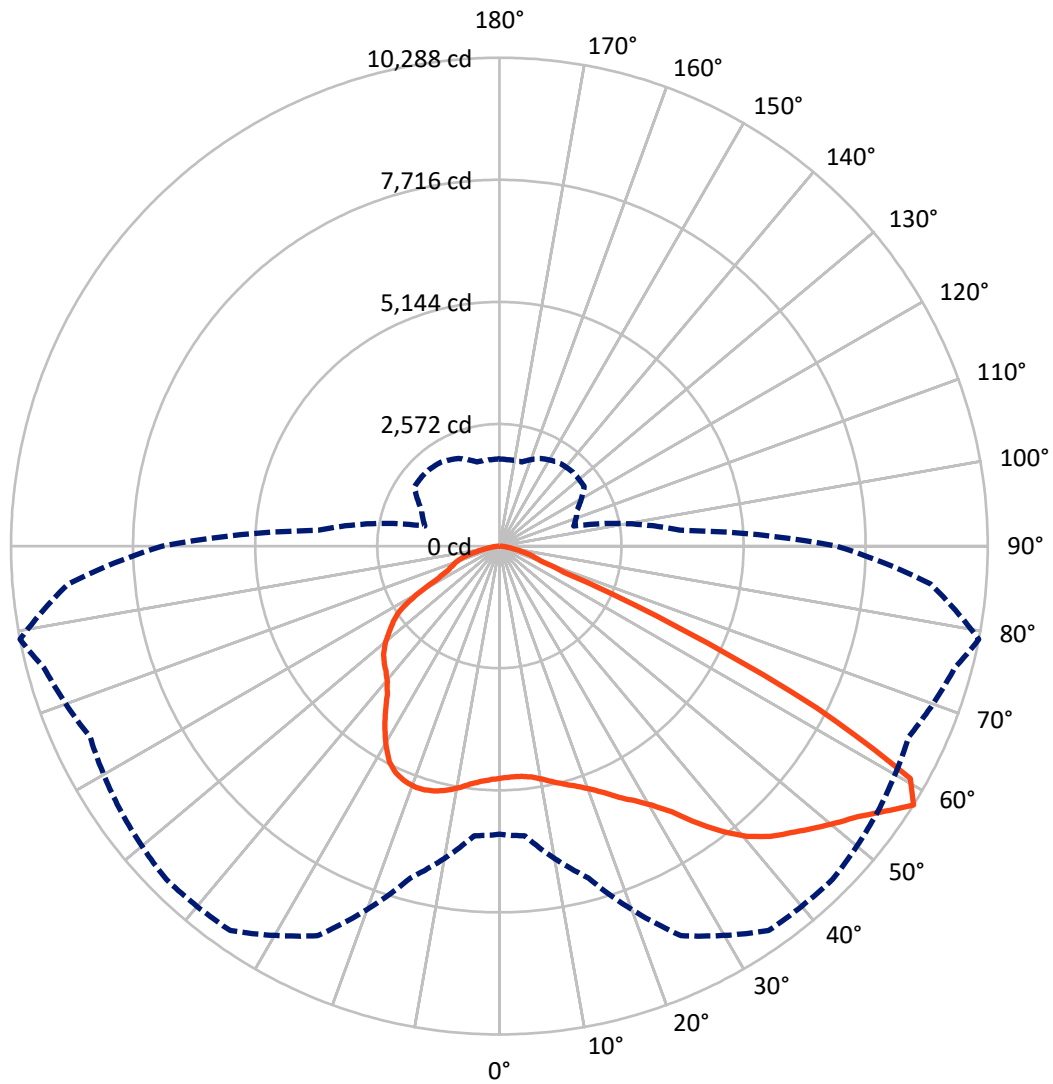
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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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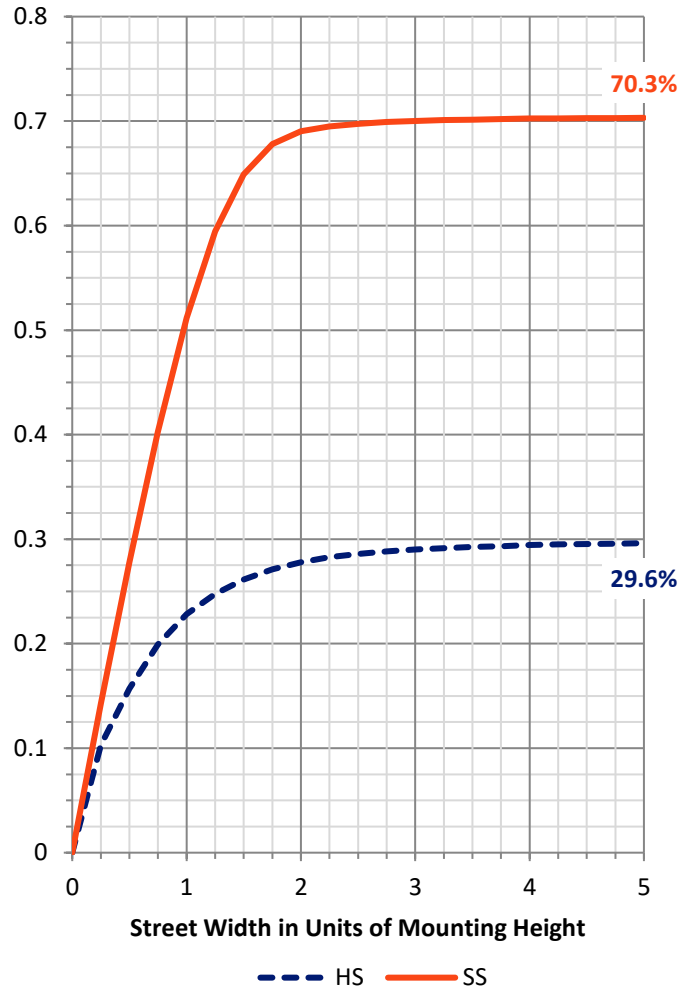
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5862.6	0.0	5862.6
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	13859.9	0.0	13859.9
	% Fixture	70.3	0.0	70.3
Total	Lumens	19722.5	0.0	19722.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.6	2.3
10°-20°	1257.9	6.4
20°-30°	2132.2	10.8
30°-40°	3263.6	16.5
40°-50°	4351.7	22.1
50°-60°	5025.9	25.5
60°-70°	2611.6	13.2
70°-80°	555.2	2.8
80°-90°	71.9	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°	19722.5	100.0
0°-180°	19722.5	100.0

Coefficient of Utilization



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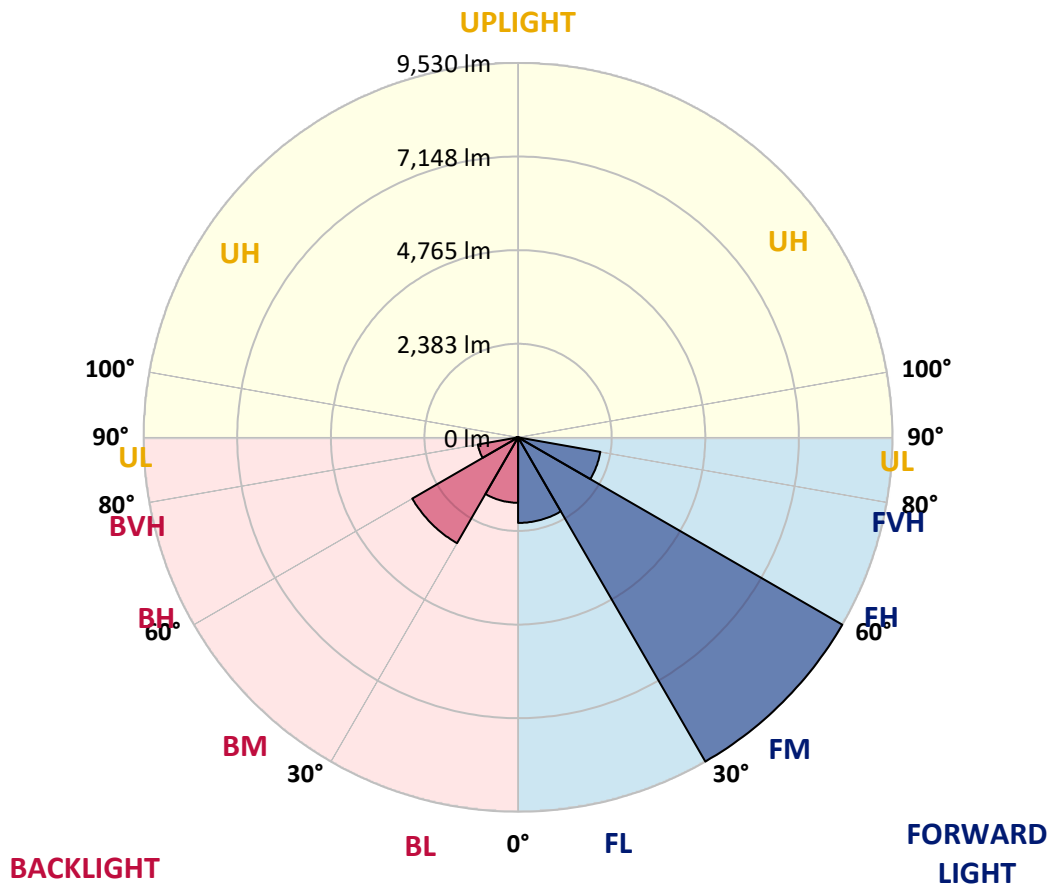
CATALOG NUMBER: GWS-SA3E-750-U-T3R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2177.8	11.0			
FM (30°-60°)	9530.5	48.3			
FH (60°-80°)	2126.6	10.8			G2/5000
FVH (80°-90°)	25.1	0.1			G1/100
BL (0°-30°)	1664.9	8.4	B3/2500		
BM (30°-60°)	3110.7	15.8	B3/5000		
BH (60°-80°)	1040.2	5.3	B3/2500		G3/2500
BVH (80°-90°)	46.8	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°	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7
2.5°	4665.2	4655.5	4658.7	4671.6	4720.0	4755.5	4792.6	4826.4	4858.7	4868.3	4876.4
5°	4499.1	4481.3	4486.2	4507.1	4563.6	4623.2	4689.3	4770.0	4847.4	4873.2	4907.0
7.5°	4381.3	4378.1	4386.2	4418.4	4478.1	4534.5	4620.0	4734.5	4868.3	4911.9	4971.5
10°	4224.9	4218.5	4250.7	4316.8	4415.2	4505.5	4607.1	4742.6	4929.6	4994.1	5086.0
12.5°	4100.8	4097.5	4131.4	4223.3	4349.1	4492.6	4632.9	4784.5	5011.9	5100.6	5213.4
15°	4173.3	4158.8	4160.4	4224.9	4337.8	4507.1	4697.4	4860.3	5094.1	5207.0	5352.1
17.5°	4384.6	4358.8	4339.4	4350.7	4415.2	4591.0	4795.8	4961.9	5189.2	5321.5	5498.9
20°	4676.4	4661.9	4608.7	4573.2	4587.8	4742.6	4950.6	5105.4	5313.4	5461.8	5652.0
22.5°	5068.3	5032.8	4960.3	4903.8	4860.3	4981.2	5173.1	5307.0	5486.0	5640.8	5839.1
25°	5553.7	5502.1	5387.6	5298.9	5205.4	5329.5	5500.5	5602.1	5723.0	5866.5	6055.2
27.5°	6048.7	6005.2	5877.8	5758.5	5642.4	5719.8	5923.0	5981.0	5968.1	6072.9	6234.2
30°	6576.0	6521.2	6400.3	6271.3	6121.3	6171.3	6353.5	6382.5	6245.5	6332.6	6442.2
32.5°	7132.4	7079.2	6974.4	6824.4	6655.1	6674.4	6724.4	6751.8	6621.2	6671.2	6755.0
35°	7698.4	7648.4	7542.0	7393.6	7269.5	7151.7	7026.0	7135.6	7059.8	7156.6	7150.1
37.5°	8216.0	8166.0	8099.9	7985.4	7772.6	7540.4	7250.1	7385.6	7503.3	7625.8	7604.9
40°	8566.0	8532.1	8548.2	8530.5	8256.3	7796.8	7359.8	7508.1	7829.0	8038.6	8027.4
42.5°	8867.5	8833.6	8927.2	8994.9	8672.4	8033.8	7413.0	7554.9	8037.0	8364.4	8348.3
45°	9001.4	8991.7	9146.5	9361.0	9053.0	8285.4	7550.0	7651.6	8195.1	8614.3	8553.1
47.5°	8841.7	8875.6	9180.3	9543.2	9369.0	8583.7	7830.6	7856.4	8401.5	8885.2	8712.7
50°	8524.0	8598.2	9009.4	9548.0	9599.6	8920.7	8219.3	8154.8	8678.8	9173.9	8796.6
52.5°	8061.2	8138.6	8809.5	9510.9	9731.8	9311.0	8736.9	8645.0	9028.8	9462.5	8811.1
55°	6998.5	7103.4	8351.5	9427.1	9860.8	9665.7	9320.6	9133.6	9480.3	9859.2	8954.6
57.5°	6071.3	6126.1	7235.6	9054.6	9886.7	9927.0	9736.7	9514.1	9928.6	10288.2	9115.8
60°	4455.5	4468.4	5466.6	7492.0	9094.9	9775.4	9702.8	9372.2	9715.7	9944.7	8377.3
62.5°	2517.2	2518.8	3315.4	5000.6	6793.7	7967.7	8012.8	7721.0	7432.3	7500.1	5831.0
65°	945.0	1033.7	1514.2	2457.6	3916.9	4703.9	4890.9	4958.6	4478.1	4179.8	3126.8
67.5°	632.1	653.1	883.7	1264.3	1743.2	2012.5	2251.1	2257.6	1651.3	1472.3	1232.0
70°	482.2	503.1	695.0	904.7	883.7	816.0	882.1	857.9	886.9	911.1	936.9
72.5°	359.6	380.6	538.6	638.6	530.5	522.5	591.8	657.9	719.2	745.0	785.3
75°	238.7	254.8	362.8	341.9	293.5	346.7	432.2	498.3	533.8	564.4	595.0
77.5°	151.6	162.9	193.5	156.4	162.9	203.2	251.6	311.2	345.1	375.7	391.9
80°	69.3	67.7	66.1	74.2	91.9	119.3	151.6	187.1	212.9	225.8	235.4
82.5°	27.4	30.6	33.9	40.3	50.0	64.5	85.5	109.7	130.6	133.8	141.9
85°	11.3	12.9	14.5	17.7	22.6	29.0	35.5	50.0	62.9	67.7	72.6
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	4.8	8.1	14.5	16.1	17.7
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°	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7	4887.7
2.5°	4919.9	4899.0	4934.5	4958.6	4981.2	4957.0	4949.0	4928.0	4924.8	4924.8	4936.1
5°	4965.1	4950.6	4987.7	5002.2	5000.6	4947.4	4915.1	4873.2	4852.2	4852.2	4855.4
7.5°	5045.7	5037.7	5058.6	5036.0	4984.4	4876.4	4770.0	4681.3	4621.6	4591.0	4600.7
10°	5179.6	5169.9	5152.2	5068.3	4919.9	4695.8	4478.1	4316.8	4220.1	4165.3	4168.5
12.5°	5310.2	5294.1	5231.2	5045.7	4740.9	4384.6	4099.1	3918.5	3812.1	3747.6	3733.1
15°	5453.7	5411.8	5276.3	4929.6	4449.1	4004.0	3705.7	3510.6	3396.1	3357.4	3355.8
17.5°	5590.8	5516.6	5271.5	4723.2	4099.1	3605.7	3305.8	3184.8	3165.5	3183.2	3188.0
20°	5729.5	5610.1	5218.3	4437.8	3683.1	3209.0	3054.2	3104.2	3176.8	3225.1	3236.4
22.5°	5873.0	5687.5	5097.3	4070.1	3244.5	2941.3	3005.8	3115.5	3205.8	3270.3	3276.7
25°	6034.2	5760.1	4916.7	3620.2	2892.9	2867.1	2994.5	3110.6	3207.4	3281.6	3294.5
27.5°	6126.1	5761.7	4663.5	3157.4	2731.7	2838.1	2967.1	3076.8	3173.5	3254.2	3268.7
30°	6216.4	5718.2	4262.0	2781.7	2684.9	2804.3	2920.4	3022.0	3113.9	3192.9	3210.6
32.5°	6343.8	5677.8	3799.2	2565.6	2657.5	2772.0	2867.1	2957.4	3028.4	3063.9	3073.6
35°	6501.9	5626.2	3307.4	2472.1	2639.8	2746.2	2830.1	2878.4	2786.5	2767.2	2788.1
37.5°	6722.8	5577.9	2817.2	2431.8	2628.5	2736.5	2810.7	2686.5	2573.7	2528.5	2544.6
40°	6961.5	5550.5	2485.0	2399.5	2633.3	2746.2	2730.1	2546.2	2383.4	2288.2	2285.0
42.5°	7164.6	5508.5	2272.1	2378.5	2646.2	2783.3	2620.4	2422.1	2180.2	2123.8	2125.4
45°	7301.7	5402.1	2159.2	2356.0	2657.5	2791.4	2568.8	2251.1	2078.6	2043.1	2041.5
47.5°	7358.1	5208.6	2086.7	2320.5	2655.9	2725.2	2464.0	2180.2	2007.6	1998.0	2004.4
50°	7321.1	4890.9	2012.5	2251.1	2617.2	2655.9	2343.1	2117.3	1959.3	2012.5	2051.2
52.5°	7184.0	4479.7	1923.8	2156.0	2547.9	2576.9	2281.8	2078.6	1923.8	1994.7	2025.4
55°	7148.5	4145.9	1810.9	2031.8	2444.7	2436.6	2217.3	2059.2	1899.6	1872.2	1877.0
57.5°	7101.7	3820.2	1623.9	1809.3	2183.4	2196.3	2156.0	2036.7	1836.7	1828.7	1836.7
60°	6169.7	2928.4	1448.1	1561.0	1793.2	1862.5	2086.7	1994.7	1735.1	1701.3	1699.6
62.5°	4029.8	1773.8	1288.4	1361.0	1461.0	1541.6	1902.8	1873.8	1623.9	1602.9	1617.4
65°	2167.3	1264.3	1172.3	1215.9	1270.7	1332.0	1577.1	1669.0	1467.4	1393.3	1394.9
67.5°	1107.8	1075.6	1085.3	1115.9	1157.8	1188.5	1272.3	1352.9	1251.4	1188.5	1186.8
70°	948.2	974.0	988.5	1006.2	1033.7	1028.8	1036.9	1051.4	1043.3	1012.7	1011.1
72.5°	807.9	848.2	851.4	854.7	864.3	841.8	827.2	803.1	804.7	809.5	811.1
75°	614.4	653.1	662.8	657.9	667.6	638.6	619.2	595.0	566.0	561.2	564.4
77.5°	399.9	430.6	445.1	441.8	446.7	424.1	414.4	388.6	354.8	341.9	341.9
80°	241.9	259.6	270.9	274.1	279.0	262.8	246.7	224.1	209.6	195.1	195.1
82.5°	146.7	158.0	166.1	166.1	170.9	153.2	140.3	124.2	117.7	104.8	104.8
85°	74.2	82.2	85.5	83.9	80.6	66.1	61.3	53.2	50.0	43.5	43.5
87.5°	17.7	22.6	22.6	16.1	16.1	8.1	4.8	1.6	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)