

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: P643286

Luminaire Tested: GWS-SA6E-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643286
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-SAGE-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40145.9 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

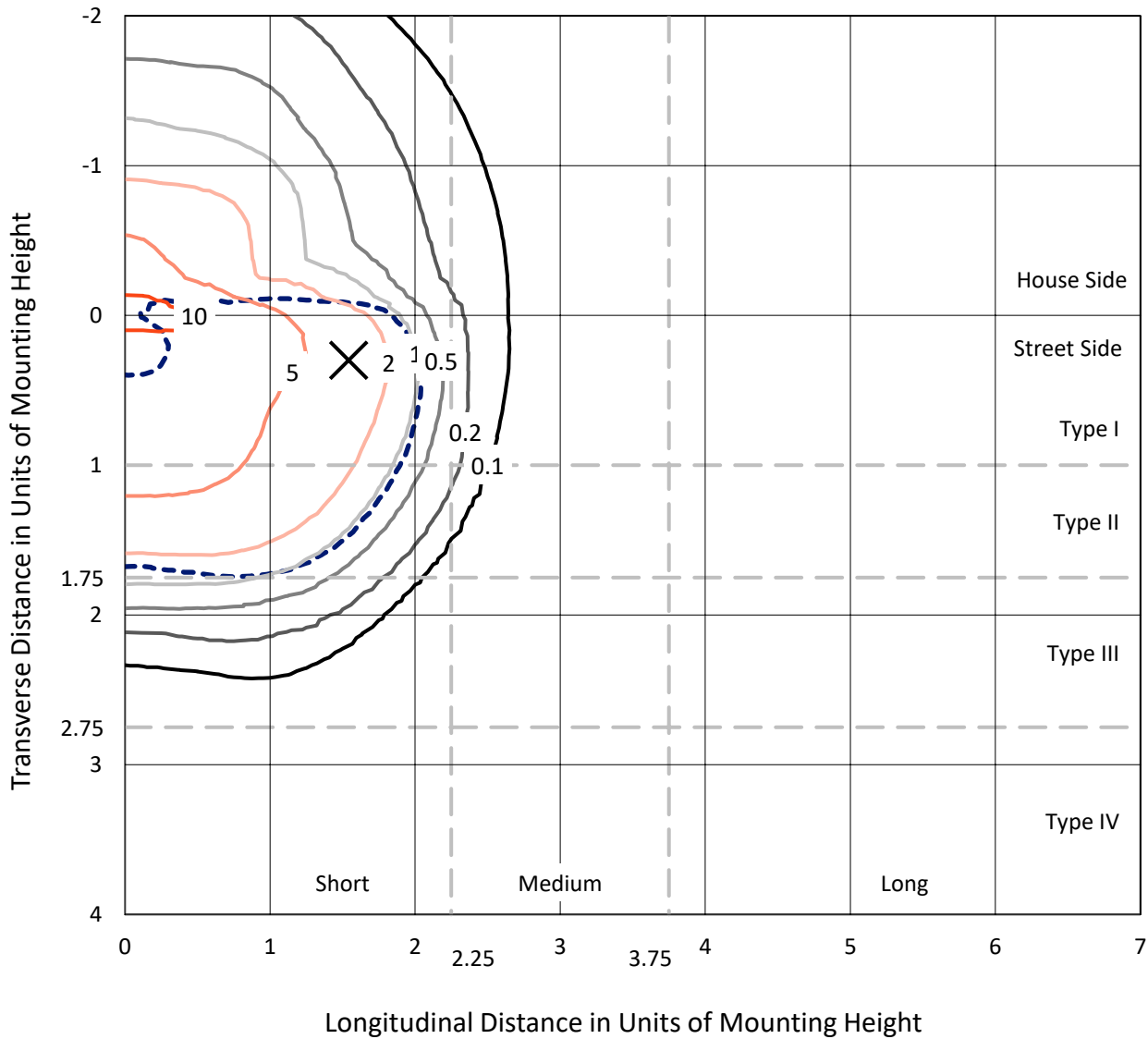
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

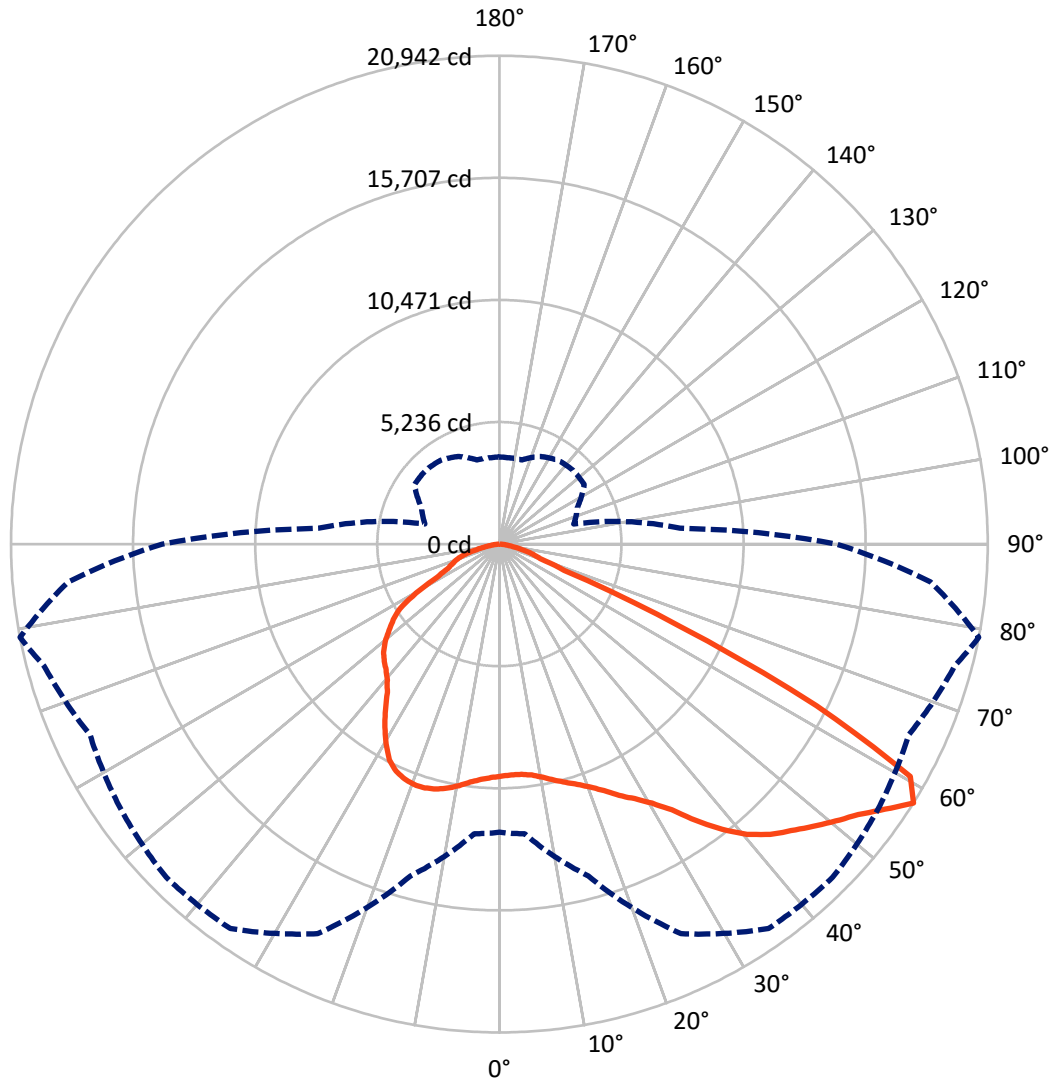
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.1 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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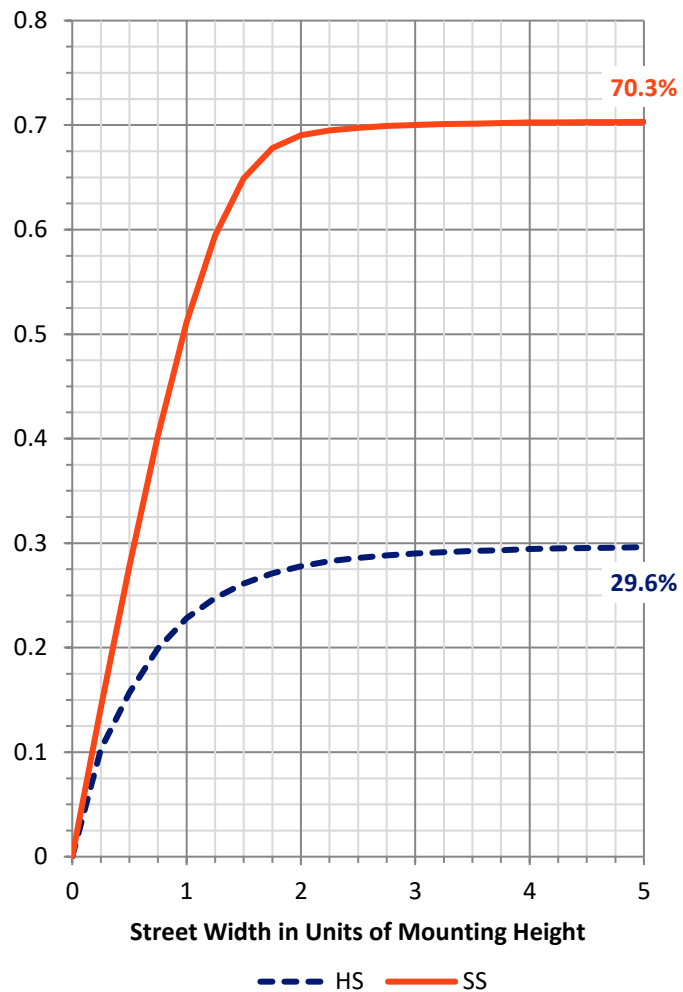
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11933.5	0.0	11933.5
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	28212.4	0.0	28212.4
	% Fixture	70.3	0.0	70.3
Total	Lumens	40145.9	0.0	40145.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	921.4	2.3
10°-20°	2560.5	6.4
20°-30°	4340.1	10.8
30°-40°	6643.2	16.5
40°-50°	8858.0	22.1
50°-60°	10230.3	25.5
60°-70°	5316.0	13.2
70°-80°	1130.0	2.8
80°-90°	146.4	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°	40145.9	100.0
0°-180°	40145.9	100.0

Coefficient of Utilization



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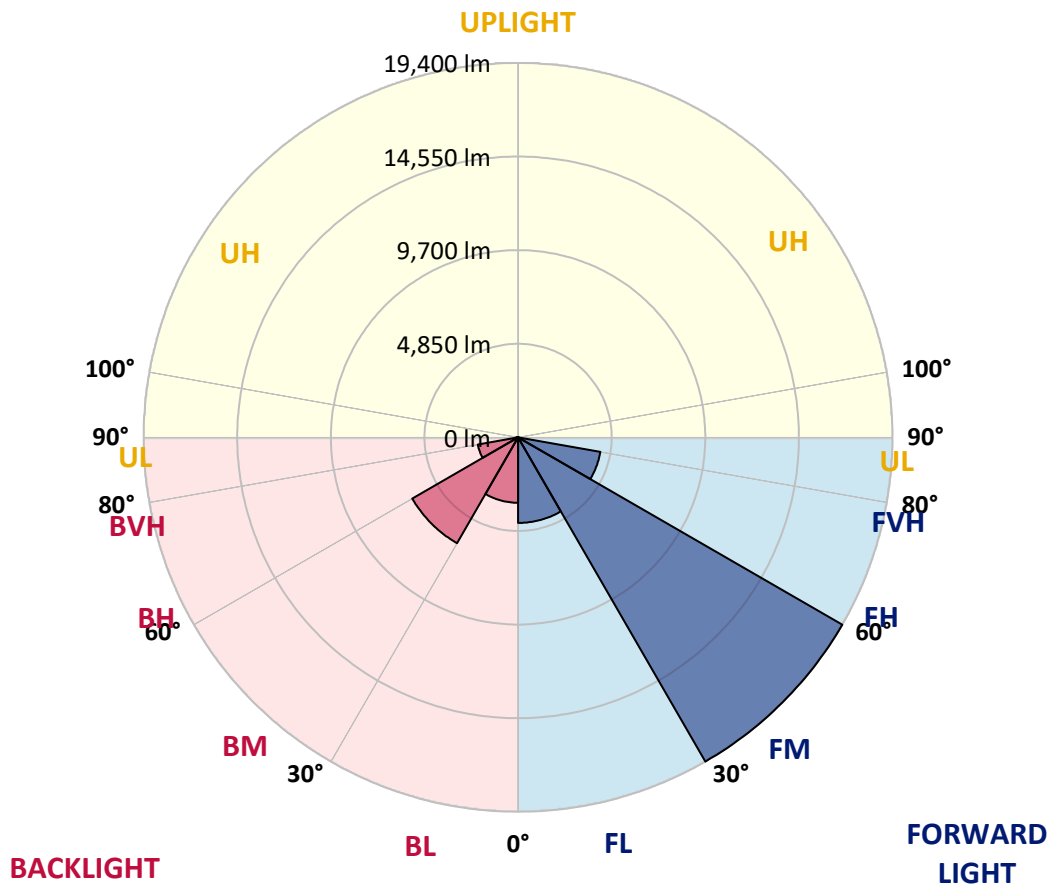
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4433.0	11.0			
FM (30°-60°)	19399.6	48.3			
FH (60°-80°)	4328.7	10.8			G2/5000
FVH (80°-90°)	51.0	0.1			G1/100
BL (0°-30°)	3389.0	8.4	B4/5000		
BM (30°-60°)	6331.9	15.8	B4/8500		
BH (60°-80°)	2117.3	5.3	B3/2500		G3/2500
BVH (80°-90°)	95.3	0.2			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1
2.5°	9496.1	9476.4	9483.0	9509.2	9607.7	9679.9	9755.4	9824.3	9890.0	9909.7	9926.1
5°	9158.0	9121.9	9131.8	9174.4	9289.3	9410.8	9545.3	9709.5	9867.0	9919.5	9988.5
7.5°	8918.4	8911.8	8928.2	8993.9	9115.3	9230.2	9404.2	9637.3	9909.7	9998.3	10119.8
10°	8600.0	8586.9	8652.5	8787.1	8987.3	9171.1	9377.9	9653.7	10034.4	10165.7	10352.8
12.5°	8347.3	8340.7	8409.6	8596.7	8852.7	9144.9	9430.5	9739.0	10201.8	10382.4	10612.1
15°	8495.0	8465.4	8468.7	8600.0	8829.8	9174.4	9561.8	9893.3	10369.2	10599.0	10894.4
17.5°	8925.0	8872.4	8833.1	8856.0	8987.3	9345.1	9762.0	10100.1	10562.9	10832.1	11193.1
20°	9519.1	9489.5	9381.2	9309.0	9338.5	9653.7	10077.1	10392.2	10815.6	11117.6	11505.0
22.5°	10316.7	10244.5	10096.8	9981.9	9893.3	10139.5	10530.1	10802.5	11166.9	11482.0	11885.7
25°	11304.7	11199.7	10966.6	10786.1	10595.7	10848.5	11196.4	11403.2	11649.4	11941.5	12325.6
27.5°	12312.4	12223.8	11964.5	11721.6	11485.3	11642.8	12056.4	12174.6	12148.3	12361.7	12689.9
30°	13385.8	13274.2	13028.0	12765.4	12460.2	12561.9	12932.8	12991.9	12712.9	12890.2	13113.4
32.5°	14518.2	14409.9	14196.6	13891.3	13546.6	13586.0	13687.8	13743.6	13477.7	13579.5	13750.2
35°	15670.4	15568.6	15352.0	15050.0	14797.2	14557.6	14301.6	14524.8	14370.5	14567.5	14554.3
37.5°	16724.0	16622.3	16487.7	16254.7	15821.4	15348.7	14757.9	15033.6	15273.2	15522.7	15480.0
40°	17436.3	17367.4	17400.2	17364.1	16806.1	15870.6	14981.1	15283.1	15936.3	16363.0	16340.0
42.5°	18050.1	17981.2	18171.6	18309.5	17653.0	16353.1	15089.4	15378.2	16359.7	17026.0	16993.2
45°	18322.6	18302.9	18618.0	19054.6	18427.6	16865.2	15368.4	15575.2	16681.4	17534.8	17410.1
47.5°	17997.6	18066.6	18686.9	19425.5	19071.0	17472.4	15939.5	15992.1	17101.5	18086.3	17735.0
50°	17351.0	17502.0	18339.0	19435.3	19540.4	18158.5	16730.6	16599.3	17666.1	18673.8	17905.7
52.5°	16408.9	16566.5	17932.0	19359.8	19809.5	18952.8	17784.3	17597.2	18378.4	19261.4	17935.3
55°	14245.8	14459.2	16999.8	19189.2	20072.1	19675.0	18972.5	18591.8	19297.5	20068.9	18227.4
57.5°	12358.4	12470.0	14728.3	18430.9	20124.7	20206.7	19819.4	19366.4	20210.0	20942.0	18555.6
60°	9069.4	9095.6	11127.5	15250.2	18513.0	19898.2	19750.5	19077.6	19776.7	20242.8	17052.3
62.5°	5123.9	5127.2	6748.7	10178.9	13828.9	16218.5	16310.5	15716.3	15128.8	15266.6	11869.3
65°	1923.5	2104.0	3082.2	5002.4	7973.1	9574.9	9955.6	10093.5	9115.3	8508.1	6364.7
67.5°	1286.7	1329.4	1798.8	2573.4	3548.3	4096.5	4582.3	4595.4	3361.2	2996.9	2507.8
70°	981.5	1024.1	1414.7	1841.5	1798.8	1660.9	1795.5	1746.3	1805.3	1854.6	1907.1
72.5°	732.0	774.7	1096.3	1299.8	1079.9	1063.5	1204.7	1339.2	1464.0	1516.5	1598.5
75°	485.8	518.6	738.5	695.9	597.4	705.7	879.7	1014.3	1086.5	1148.9	1211.2
77.5°	308.5	331.5	393.9	318.4	331.5	413.6	512.1	633.5	702.4	764.8	797.6
80°	141.1	137.9	134.6	151.0	187.1	242.9	308.5	380.8	433.3	459.5	479.2
82.5°	55.8	62.4	68.9	82.1	101.8	131.3	174.0	223.2	265.9	272.4	288.9
85°	23.0	26.3	29.5	36.1	46.0	59.1	72.2	101.8	128.0	137.9	147.7
87.5°	0.0	0.0	0.0	0.0	3.3	6.6	9.8	16.4	29.5	32.8	36.1
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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CATALOG NUMBER: GWS-SA6E-750-U-T3R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1	9949.1
2.5°	10014.7	9972.1	10044.3	10093.5	10139.5	10090.2	10073.8	10031.1	10024.6	10024.6	10047.6
5°	10106.6	10077.1	10152.6	10182.1	10178.9	10070.5	10004.9	9919.5	9876.9	9876.9	9883.4
7.5°	10270.8	10254.3	10297.0	10251.1	10146.0	9926.1	9709.5	9528.9	9407.5	9345.1	9364.8
10°	10543.2	10523.5	10487.4	10316.7	10014.7	9558.5	9115.3	8787.1	8590.2	8478.5	8485.1
12.5°	10809.1	10776.3	10648.2	10270.8	9650.4	8925.0	8344.0	7976.3	7759.7	7628.4	7598.9
15°	11101.2	11015.9	10740.2	10034.4	9056.3	8150.3	7543.1	7145.9	6912.8	6834.0	6830.8
17.5°	11380.2	11229.2	10730.3	9614.3	8344.0	7339.5	6729.0	6482.8	6443.4	6479.5	6489.4
20°	11662.5	11419.6	10622.0	9033.3	7497.1	6532.1	6216.9	6318.7	6466.4	6564.9	6587.9
22.5°	11954.7	11577.2	10375.8	8284.9	6604.3	5987.2	6118.5	6341.7	6525.5	6656.8	6669.9
25°	12282.9	11724.9	10008.2	7369.1	5888.7	5836.2	6095.5	6331.8	6528.8	6679.8	6706.0
27.5°	12470.0	11728.2	9492.8	6427.0	5560.5	5777.1	6039.7	6262.9	6459.8	6624.0	6653.5
30°	12653.8	11639.5	8675.5	5662.2	5465.3	5708.2	5944.5	6151.3	6338.4	6499.2	6535.3
32.5°	12913.1	11557.5	7733.4	5222.4	5409.5	5642.5	5836.2	6020.0	6164.4	6236.6	6256.3
35°	13234.8	11452.4	6732.3	5032.0	5373.4	5590.0	5760.7	5859.2	5672.1	5632.7	5675.3
37.5°	13684.5	11354.0	5734.4	4949.9	5350.4	5570.3	5721.3	5468.5	5238.8	5146.9	5179.7
40°	14170.3	11298.2	5058.2	4884.3	5360.2	5590.0	5557.2	5183.0	4851.4	4657.8	4651.2
42.5°	14583.9	11212.8	4625.0	4841.6	5386.5	5665.5	5334.0	4930.2	4437.9	4323.0	4326.3
45°	14862.9	10996.2	4395.2	4795.6	5409.5	5681.9	5228.9	4582.3	4231.1	4158.9	4155.6
47.5°	14977.8	10602.3	4247.5	4723.4	5406.2	5547.3	5015.6	4437.9	4086.6	4066.9	4080.1
50°	14902.3	9955.6	4096.5	4582.3	5327.4	5406.2	4769.4	4309.8	3988.2	4096.5	4175.3
52.5°	14623.3	9118.6	3916.0	4388.6	5186.3	5245.3	4644.7	4231.1	3916.0	4060.4	4122.7
55°	14551.1	8439.2	3686.2	4135.9	4976.2	4959.8	4513.4	4191.7	3866.7	3810.9	3820.8
57.5°	14455.9	7776.1	3305.4	3682.9	4444.4	4470.7	4388.6	4145.7	3738.7	3722.3	3738.7
60°	12558.6	5960.9	2947.6	3177.4	3650.1	3791.2	4247.5	4060.4	3531.9	3463.0	3459.7
62.5°	8202.8	3610.7	2622.7	2770.4	2973.9	3138.0	3873.3	3814.2	3305.4	3262.7	3292.3
65°	4411.6	2573.4	2386.3	2475.0	2586.6	2711.3	3210.2	3397.3	2987.0	2836.0	2839.3
67.5°	2255.0	2189.4	2209.1	2271.4	2356.8	2419.2	2589.8	2754.0	2547.2	2419.2	2415.9
70°	1930.1	1982.6	2012.1	2048.2	2104.0	2094.2	2110.6	2140.2	2123.7	2061.4	2058.1
72.5°	1644.5	1726.6	1733.1	1739.7	1759.4	1713.4	1683.9	1634.7	1637.9	1647.8	1651.1
75°	1250.6	1329.4	1349.1	1339.2	1358.9	1299.8	1260.5	1211.2	1152.1	1142.3	1148.9
77.5°	814.0	876.4	906.0	899.4	909.2	863.3	843.6	791.1	722.1	695.9	695.9
80°	492.4	528.5	551.5	558.0	567.9	535.0	502.2	456.3	426.7	397.2	397.2
82.5°	298.7	321.7	338.1	338.1	347.9	311.8	285.6	252.7	239.6	213.4	213.4
85°	151.0	167.4	174.0	170.7	164.1	134.6	124.7	108.3	101.8	88.6	88.6
87.5°	36.1	46.0	46.0	32.8	32.8	16.4	9.8	3.3	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)