

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: P636403

Luminaire Tested: GWS-SA3F-760-U-T2R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636403  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-760-U-T2R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

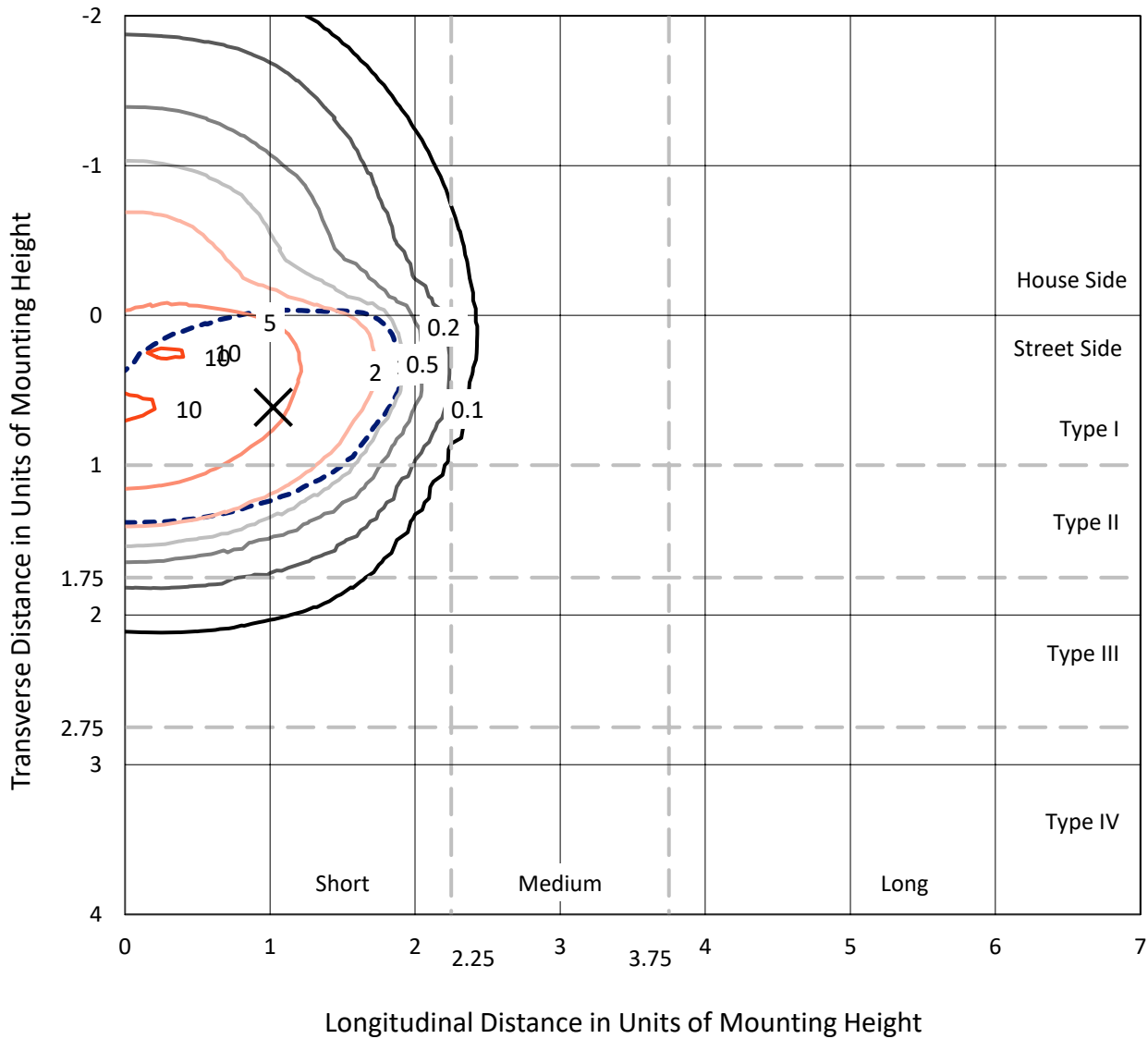
Lumens per Lamp: N/A  
Luminaire Lumens: 21710.5 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P636403  
 CATALOG NUMBER: GWS-SA3F-760-U-T2R-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

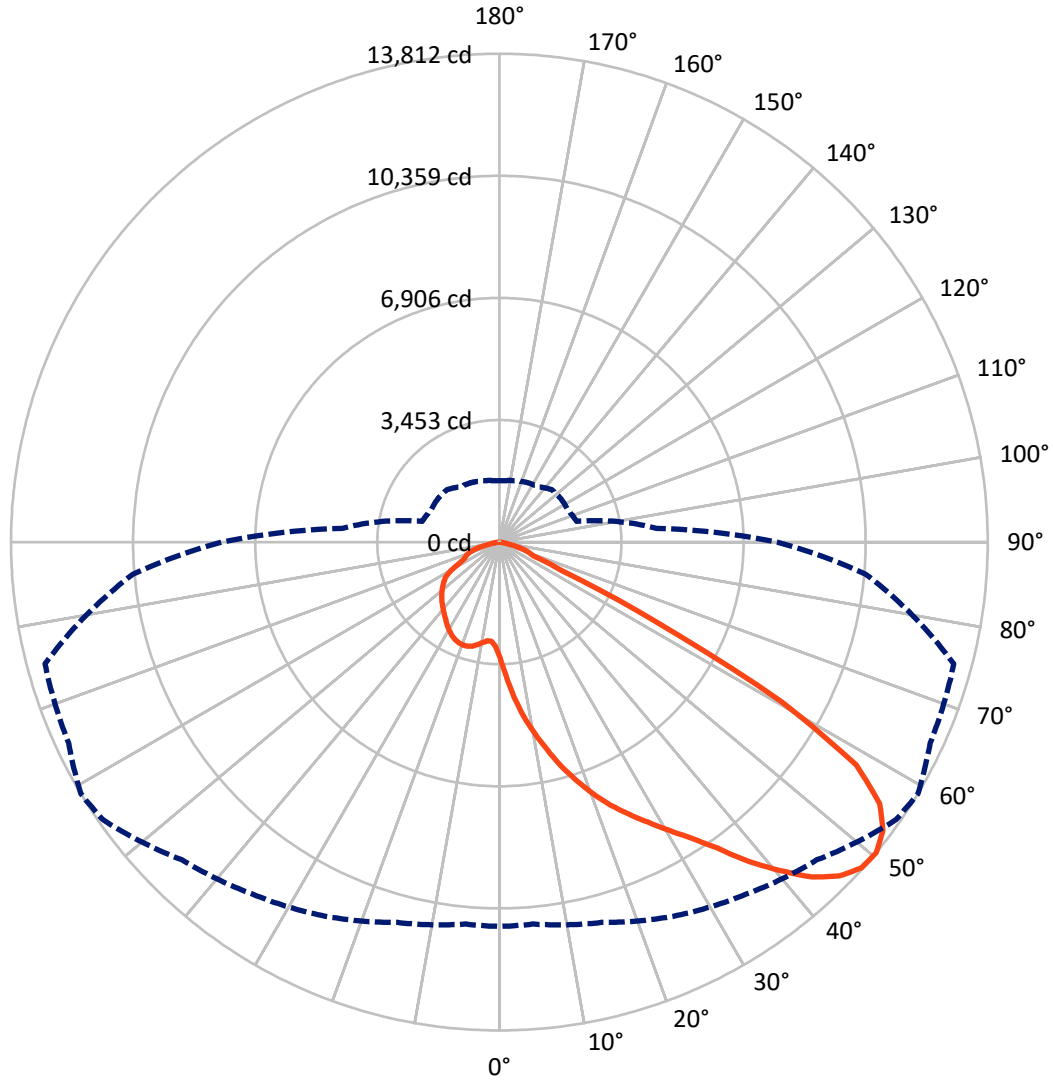
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P636403  
CATALOG NUMBER: GWS-SA3F-760-U-T2R-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P636403

CATALOG NUMBER: GWS-SA3F-760-U-T2R-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4993.8	0.0	4993.8
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	16716.7	0.0	16716.7
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	21710.5	0.0	21710.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.0	1.7
10°-20°	1339.5	6.2
20°-30°	2536.5	11.7
30°-40°	4206.4	19.4
40°-50°	5746.2	26.5
50°-60°	5216.0	24.0
60°-70°	1737.0	8.0
70°-80°	506.6	2.3
80°-90°	53.2	0.2
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°	21710.5	100.0
0°-180°	21710.5	100.0

**Coefficient of Utilization**



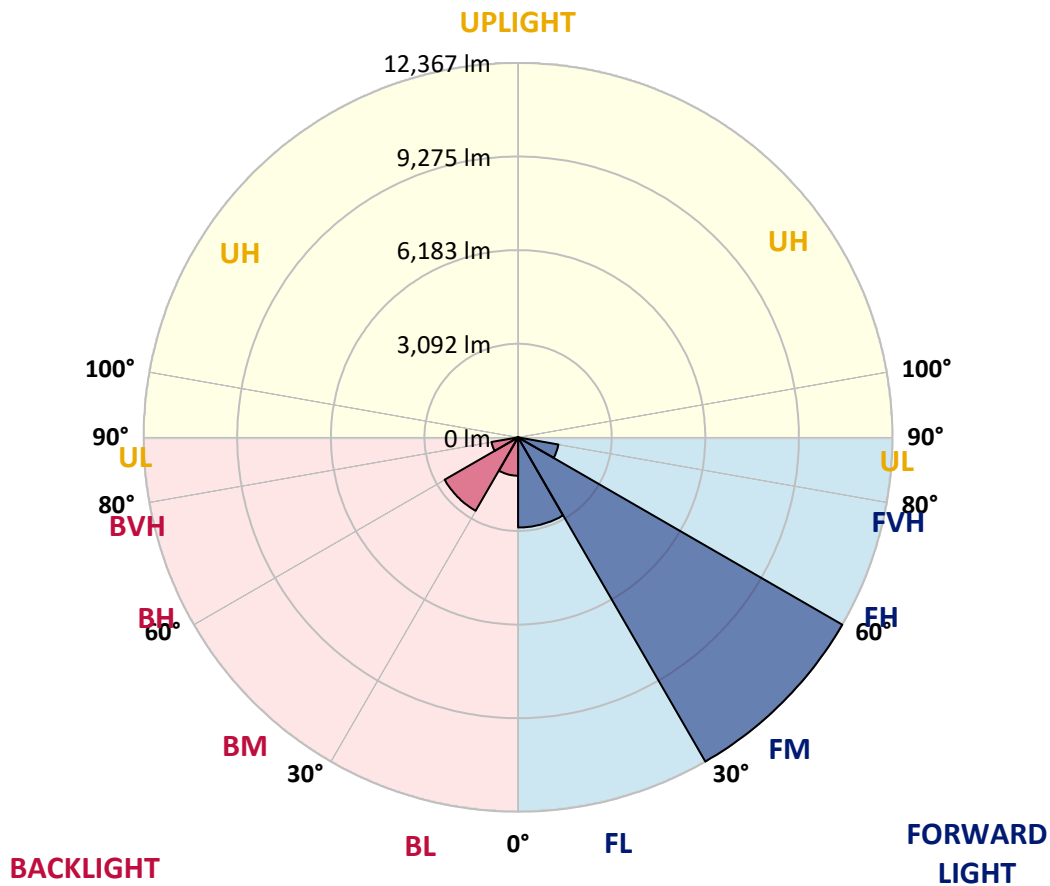
REPORT NUMBER: P636403

CATALOG NUMBER: GWS-SA3F-760-U-T2R-W-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2977.0	13.7			
FM (30°-60°)	12366.6	57.0			
FH (60°-80°)	1352.3	6.2			G1/1800
FVH (80°-90°)	20.8	0.1			G1/100
BL (0°-30°)	1268.0	5.8	B3/2500		
BM (30°-60°)	2802.0	12.9	B3/5000		
BH (60°-80°)	891.4	4.1	B2/1000		G2/1000
BVH (80°-90°)	32.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**  
 Type II Short





REPORT NUMBER: P636403

CATALOG NUMBER: GWS-SA3F-760-U-T2R-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3
2.5°	4261.9	4293.8	4244.3	4247.8	4124.0	4067.4	3908.2	3814.5	3752.6	3579.3	3421.9
5°	5121.4	5084.3	5045.4	5022.4	4914.5	4762.4	4564.3	4406.9	4261.9	3922.4	3595.2
7.5°	5648.4	5628.9	5602.4	5588.3	5482.2	5323.0	5124.9	4990.5	4780.1	4320.3	3805.7
10°	6095.8	6072.8	6056.9	6067.5	5980.9	5878.3	5662.5	5508.7	5271.7	4741.2	4060.3
12.5°	6442.4	6454.8	6460.1	6516.7	6479.6	6417.7	6194.8	6032.1	5768.6	5185.1	4359.2
15°	6716.5	6713.0	6774.9	6882.8	6942.9	6904.0	6725.4	6589.2	6267.3	5621.9	4681.1
17.5°	6780.2	6783.7	6881.0	7070.2	7266.5	7362.0	7261.2	7098.5	6780.2	6053.4	5015.3
20°	6831.5	6838.5	6939.3	7155.1	7441.6	7708.6	7724.5	7607.8	7333.7	6520.2	5354.8
22.5°	7155.1	7171.0	7197.5	7333.7	7591.9	7929.7	8115.4	8090.6	7860.7	7010.1	5720.9
25°	8005.7	7958.0	7828.9	7790.0	7889.0	8163.1	8479.7	8527.4	8414.2	7549.5	6115.3
27.5°	9056.2	9004.9	8813.9	8612.3	8398.3	8493.8	8831.6	8974.8	8976.6	8143.7	6511.4
30°	10009.4	9968.7	9813.1	9524.8	9155.2	9017.3	9266.6	9459.4	9574.3	8829.8	6962.3
32.5°	10824.6	10787.5	10577.0	10341.8	9981.1	9703.4	9793.6	9979.3	10248.1	9717.6	7522.9
35°	11510.8	11473.6	11272.0	11035.1	10700.8	10534.6	10502.8	10630.1	10978.5	10644.2	8166.6
37.5°	12067.8	12030.7	11820.2	11597.4	11342.8	11353.4	11401.1	11463.0	11662.8	11636.3	8854.6
40°	12428.6	12389.7	12239.4	12080.2	11919.3	12046.6	12283.6	12209.3	12315.4	12437.4	9487.7
42.5°	12589.5	12540.0	12453.3	12418.0	12368.5	12566.5	13022.8	12948.5	12821.2	12971.5	9958.1
45°	12428.6	12386.1	12384.4	12492.2	12607.2	12861.8	13533.9	13473.7	13151.9	13229.7	10239.3
47.5°	11935.2	11898.0	11998.9	12281.8	12564.8	12936.1	13762.0	13772.6	13387.1	13337.6	10421.4
50°	10868.8	10844.1	11135.9	11671.7	12159.8	12704.5	13689.5	13811.5	13443.7	13304.0	10398.4
52.5°	8700.7	8815.7	9450.5	10345.4	11293.2	12297.7	13420.7	13579.8	13171.3	13082.9	10274.6
55°	5956.1	6009.2	6644.0	7950.9	9454.1	11417.0	12803.5	13049.3	12849.5	13045.8	10403.7
57.5°	3084.2	3126.6	3627.1	4787.2	6412.4	9022.6	11089.9	11896.3	12200.5	13233.2	10805.2
60°	1266.2	1301.6	1508.5	2069.1	3234.5	5254.0	7981.0	9176.4	9890.9	12085.5	9595.5
62.5°	919.6	937.3	1036.3	1234.4	1694.2	2574.8	4516.6	4956.9	5459.2	7574.2	6092.3
65°	774.6	794.0	873.6	993.9	1236.1	1579.2	1929.4	1940.0	2138.0	3085.9	2258.3
67.5°	649.0	666.7	737.4	840.0	999.2	1121.2	1036.3	1038.1	1034.5	1119.4	1082.3
70°	505.8	519.9	590.7	700.3	783.4	719.8	809.9	896.6	859.5	893.1	944.3
72.5°	369.6	385.5	447.4	530.5	509.3	512.8	656.1	744.5	723.3	760.4	808.2
75°	267.0	277.6	309.5	265.3	279.4	337.8	461.6	509.3	530.5	562.4	604.8
77.5°	86.7	86.7	97.3	122.0	152.1	187.5	235.2	254.7	286.5	321.9	351.9
80°	44.2	46.0	54.8	67.2	84.9	107.9	137.9	146.8	162.7	182.1	194.5
82.5°	21.2	23.0	26.5	33.6	44.2	56.6	76.0	84.9	95.5	107.9	116.7
85°	5.3	5.3	7.1	10.6	14.1	21.2	28.3	33.6	42.4	51.3	56.6
87.5°	0.0	0.0	0.0	0.0	0.0	1.8	5.3	7.1	8.8	10.6	14.1
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: P636403

CATALOG NUMBER: GWS-SA3F-760-U-T2R-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3	3289.3
2.5°	3351.2	3252.2	3124.8	3017.0	2917.9	2841.9	2776.4	2744.6	2714.6	2693.3	2700.4
5°	3443.1	3273.4	3036.4	2871.9	2771.1	2719.9	2684.5	2666.8	2663.3	2649.1	2643.8
7.5°	3577.5	3335.3	3018.7	2852.5	2785.3	2758.8	2739.3	2728.7	2734.0	2719.9	2714.6
10°	3743.8	3437.8	3062.9	2916.2	2857.8	2838.3	2817.1	2803.0	2795.9	2774.7	2771.1
12.5°	3950.7	3565.2	3142.5	2997.5	2939.1	2905.5	2877.2	2852.5	2836.6	2810.0	2803.0
15°	4173.5	3706.6	3236.2	3077.1	3008.1	2958.6	2912.6	2875.5	2847.2	2811.8	2806.5
17.5°	4415.8	3855.2	3314.1	3131.9	3043.5	2978.0	2910.8	2856.0	2817.1	2771.1	2765.8
20°	4668.7	4005.5	3372.4	3158.4	3045.2	2956.8	2866.6	2794.1	2744.6	2698.6	2695.1
22.5°	4930.4	4143.4	3407.8	3151.4	3017.0	2907.3	2799.4	2718.1	2659.7	2604.9	2601.4
25°	5193.9	4276.1	3416.6	3123.1	2960.4	2833.0	2725.2	2629.7	2564.2	2502.3	2495.3
27.5°	5460.9	4387.5	3395.4	3066.5	2884.3	2746.4	2638.5	2544.8	2477.6	2415.7	2405.1
30°	5745.7	4483.0	3349.4	2992.2	2795.9	2654.4	2548.3	2477.6	2413.9	2352.0	2341.4
32.5°	6049.8	4566.1	3284.0	2902.0	2693.3	2562.5	2484.7	2421.0	2357.3	2302.5	2291.9
35°	6412.4	4620.9	3186.7	2785.3	2597.8	2495.3	2442.2	2367.9	2290.1	2230.0	2224.7
37.5°	6787.3	4663.4	3070.0	2673.9	2514.7	2456.4	2412.1	2311.3	2214.1	2141.6	2132.7
40°	7149.8	4698.7	2925.0	2569.5	2438.7	2428.1	2367.9	2242.4	2074.4	1993.0	1986.0
42.5°	7487.6	4709.3	2772.9	2458.1	2369.7	2364.4	2297.2	2102.7	1973.6	1922.3	1915.2
45°	7719.2	4700.5	2615.5	2353.8	2300.7	2272.4	2201.7	2001.9	1922.3	1876.3	1867.5
47.5°	7890.8	4654.5	2438.7	2244.1	2222.9	2184.0	2031.9	1938.2	1863.9	1818.0	1809.1
50°	7860.7	4463.5	2260.1	2138.0	2129.2	2095.6	1908.1	1858.6	1793.2	1743.7	1736.6
52.5°	7705.1	4101.0	2077.9	2021.3	2039.0	1973.6	1819.7	1763.1	1706.5	1650.0	1637.6
55°	7744.0	3839.3	1940.0	1908.1	1940.0	1791.4	1720.7	1660.6	1607.5	1552.7	1542.1
57.5°	7913.8	3581.1	1793.2	1786.1	1819.7	1651.7	1593.4	1517.3	1441.3	1397.1	1397.1
60°	6645.8	2610.2	1535.0	1552.7	1628.7	1538.5	1487.3	1409.4	1326.3	1287.4	1287.4
62.5°	3929.5	1637.6	1273.3	1253.8	1301.6	1358.2	1386.5	1322.8	1223.8	1172.5	1174.2
65°	1731.3	1191.9	1123.0	1107.0	1092.9	1131.8	1209.6	1214.9	1110.6	1050.5	1052.2
67.5°	1066.4	1078.7	1050.5	1038.1	1025.7	1018.6	1011.5	1015.1	986.8	932.0	930.2
70°	962.0	995.6	976.2	965.6	949.7	937.3	894.8	825.9	778.1	764.0	779.9
72.5°	827.6	873.6	863.0	857.7	838.2	808.2	751.6	684.4	627.8	592.4	599.5
75°	624.3	661.4	666.7	668.5	647.2	619.0	560.6	504.0	454.5	417.4	426.2
77.5°	359.0	380.2	385.5	390.8	374.9	364.3	325.4	284.7	258.2	219.3	229.9
80°	199.8	208.7	208.7	210.4	201.6	189.2	162.7	139.7	127.3	109.6	111.4
82.5°	120.3	123.8	125.6	127.3	122.0	109.6	90.2	74.3	67.2	58.4	56.6
85°	58.4	61.9	61.9	63.7	54.8	47.7	37.1	28.3	24.8	17.7	19.5
87.5°	14.1	15.9	15.9	14.1	12.4	8.8	5.3	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)