

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: P641334

Luminaire Tested: GWS-SA5F-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641334  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5F-760-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

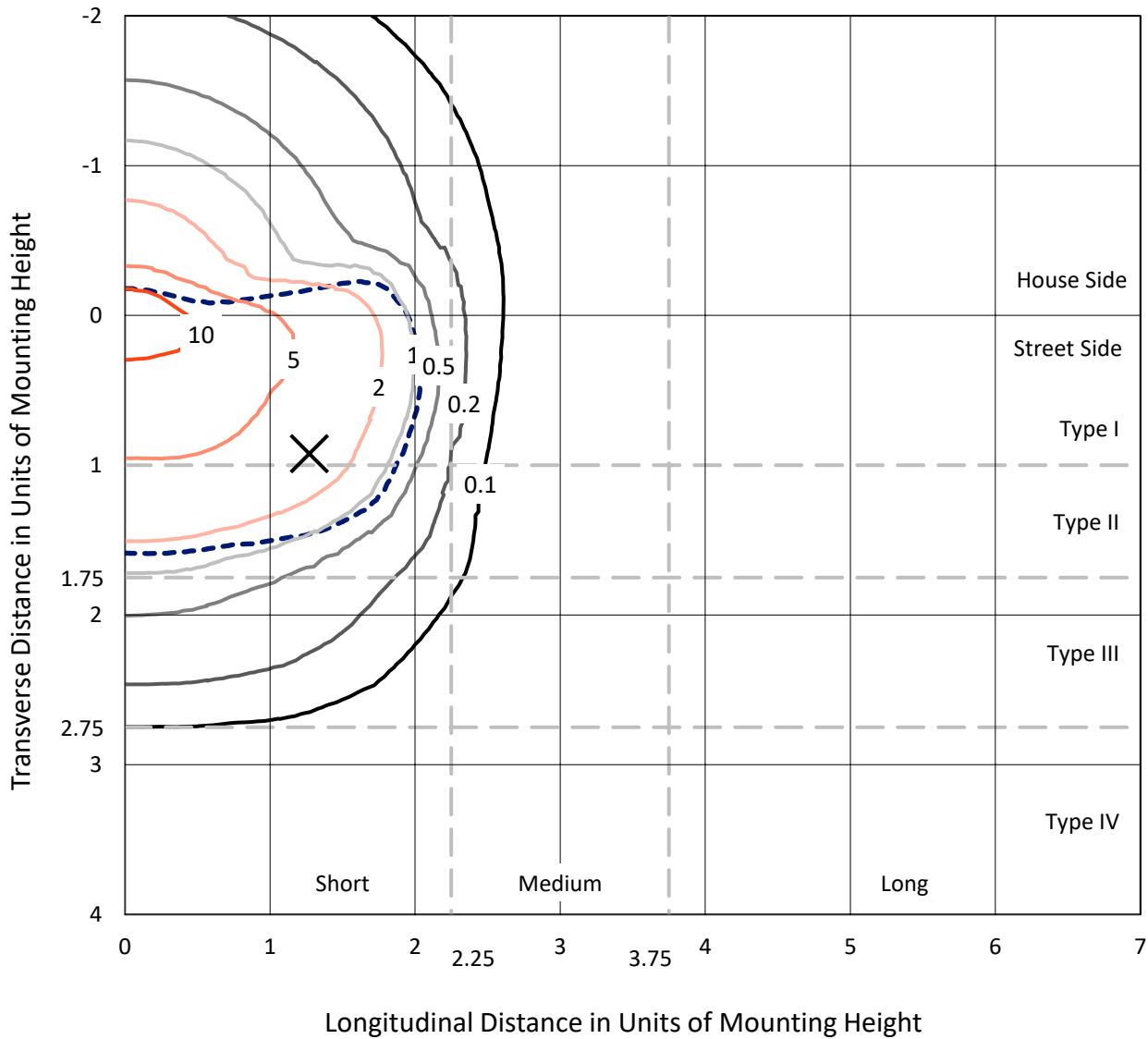
Lumens per Lamp: N/A  
Luminaire Lumens: 35264.7 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3  
  
Input Watts (W): 310.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P641334  
 CATALOG NUMBER: GWS-SA5F-760-U-SL3-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

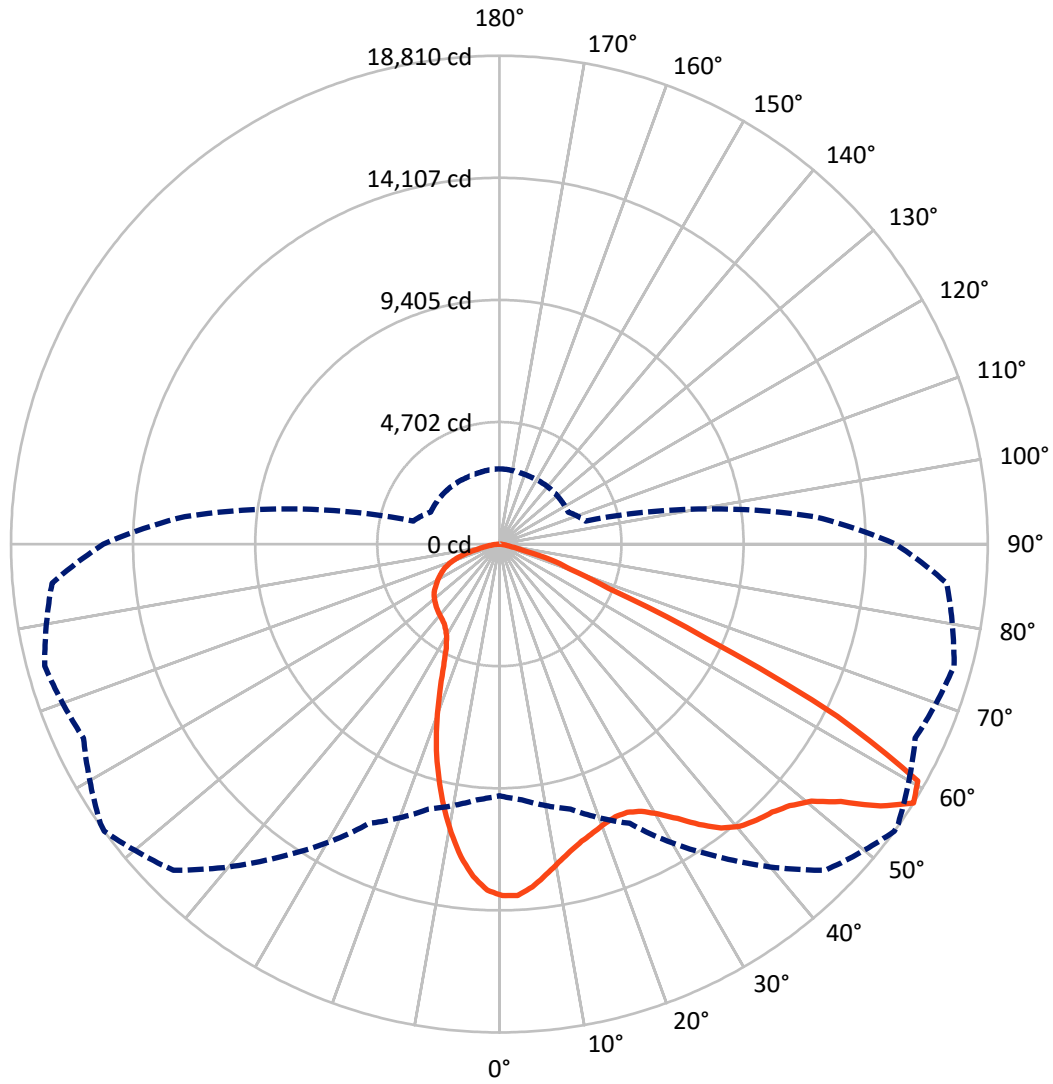
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 15 fc  
 Type II - Short - N/A

REPORT NUMBER: P641334  
CATALOG NUMBER: GWS-SA5F-760-U-SL3-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P641334

CATALOG NUMBER: GWS-SA5F-760-U-SL3-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10251.8	0.0	10251.8
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	25012.9	0.0	25012.9
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	35264.7	0.0	35264.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1190.1	3.4
10°-20°	2839.6	8.1
20°-30°	3929.6	11.1
30°-40°	5460.2	15.5
40°-50°	7211.3	20.4
50°-60°	8569.5	24.3
60°-70°	4747.7	13.5
70°-80°	1182.3	3.4
80°-90°	134.4	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°	35264.7	100.0
0°-180°	35264.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641334

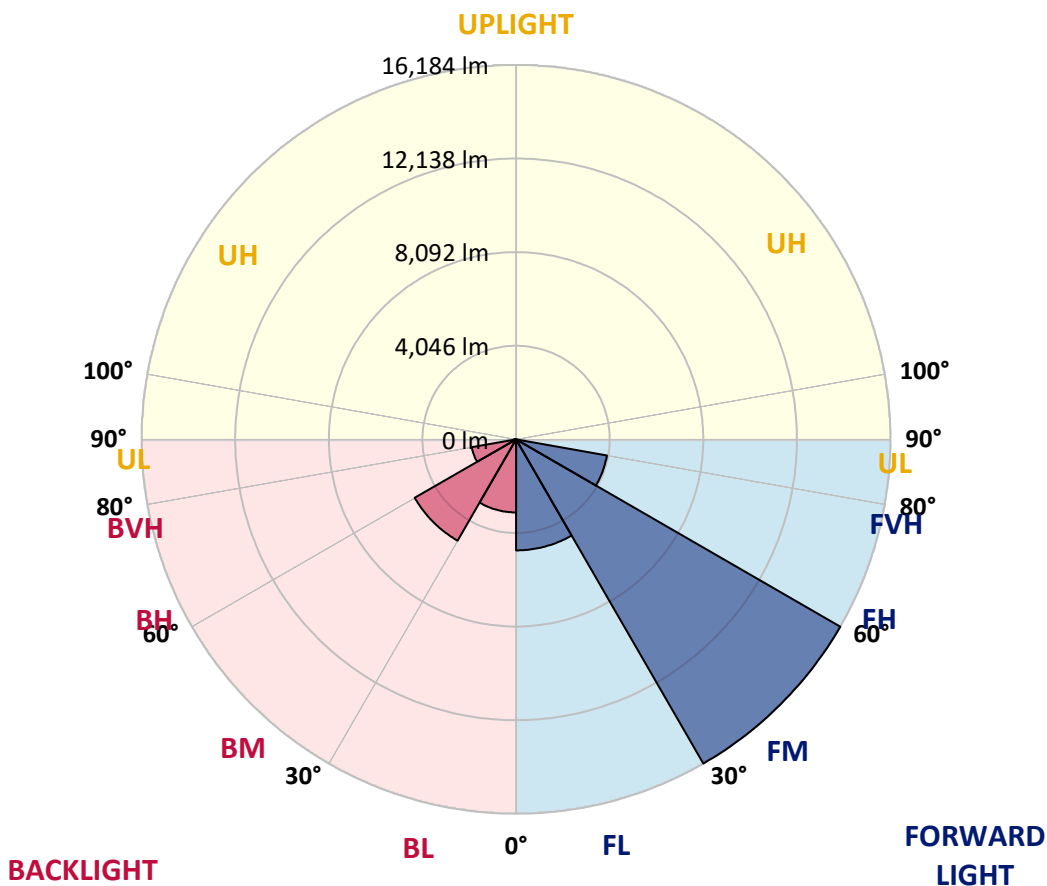
CATALOG NUMBER: GWS-SA5F-760-U-SL3-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4800.1	13.6			
FM (30°-60°)	16183.5	45.9			
FH (60°-80°)	3987.2	11.3			G2/5000
FVH (80°-90°)	42.1	0.1			G1/100
BL (0°-30°)	3159.2	9.0	B4/5000		
BM (30°-60°)	5057.5	14.3	B4/8500		
BH (60°-80°)	1942.8	5.5	B3/2500		G3/2500
BVH (80°-90°)	92.4	0.3			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





REPORT NUMBER: P641334

CATALOG NUMBER: GWS-SA5F-760-U-SL3-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9
2.5°	13285.3	13312.5	13330.6	13394.0	13448.4	13496.7	13548.0	13548.0	13545.0	13535.9	13517.8
5°	12760.1	12790.3	12832.5	12920.1	13037.8	13122.3	13261.2	13273.3	13333.6	13357.8	13345.7
7.5°	12150.3	12159.4	12213.7	12328.4	12515.6	12666.5	12865.7	12889.9	13034.8	13119.3	13104.2
10°	11483.2	11453.0	11549.6	11718.6	11963.2	12216.7	12473.3	12494.4	12726.9	12886.9	12874.8
12.5°	10873.4	10876.4	10973.0	11178.3	11483.2	11797.1	12141.3	12189.6	12476.3	12681.6	12660.5
15°	10363.2	10375.3	10493.0	10725.5	11072.6	11447.0	11875.6	11920.9	12283.1	12554.8	12494.4
17.5°	9955.7	9967.8	10070.4	10336.1	10707.4	11160.2	11682.4	11727.7	12177.5	12500.5	12376.7
20°	9675.0	9668.9	9768.5	10022.1	10405.5	10897.5	11513.4	11579.8	12144.3	12521.6	12298.2
22.5°	9560.3	9557.2	9629.7	9838.0	10197.2	10695.3	11410.7	11501.3	12180.5	12615.2	12249.9
25°	9617.6	9605.5	9668.9	9822.9	10109.7	10616.8	11440.9	11537.5	12334.5	12808.4	12259.0
27.5°	9795.7	9780.6	9835.0	9973.8	10191.2	10698.3	11652.2	11763.9	12660.5	13161.6	12379.7
30°	10067.4	10058.3	10112.7	10245.5	10435.7	10970.0	12056.7	12183.5	13164.6	13711.0	12642.4
32.5°	10384.4	10369.3	10465.9	10619.8	10840.2	11465.1	12600.1	12766.1	13762.3	14417.4	13083.1
35°	10740.6	10728.5	10861.3	11084.7	11401.7	12153.3	13258.2	13439.3	14372.1	15217.3	13668.7
37.5°	11087.7	11087.7	11344.3	11676.4	12074.8	12902.0	13877.0	13991.7	14794.7	15926.7	14296.6
40°	11395.6	11413.7	11800.1	12298.2	12805.4	13578.2	14284.5	14381.1	14981.9	16415.8	14843.0
42.5°	11736.7	11751.8	12201.6	12853.7	13457.4	14124.5	14532.1	14580.4	15018.1	16660.3	15229.4
45°	12008.4	12029.6	12588.0	13285.3	14024.9	14535.1	14728.3	14770.6	15069.4	16793.1	15510.1
47.5°	12150.3	12180.5	12820.5	13632.5	14408.3	14903.4	15051.3	15069.4	15280.7	17025.5	15848.2
50°	12126.2	12186.5	12908.0	13804.6	14692.1	15274.7	15570.5	15600.7	15712.4	17366.6	16243.7
52.5°	12340.5	12367.7	13095.2	14009.8	15096.6	15959.9	16473.1	16515.4	16464.1	17623.2	16479.1
55°	11984.3	12114.1	12862.7	13979.7	15712.4	17019.5	17810.4	17789.3	17146.3	17910.0	16871.6
57.5°	9693.1	9883.3	10568.5	11866.6	14698.1	17762.1	18809.6	18758.3	17674.6	18130.4	17297.2
60°	6710.6	6740.8	7359.6	8280.3	11344.3	15691.3	18516.8	18628.5	17771.2	17852.7	16509.3
62.5°	5367.3	5358.2	5415.6	5439.7	7214.7	11030.4	14616.6	15024.1	14764.5	13910.2	11700.5
65°	4582.4	4615.6	4784.7	4697.1	4709.2	6212.5	8733.1	8790.5	8609.4	8301.5	6188.4
67.5°	3586.2	3643.6	3942.4	4283.6	4174.9	3999.8	4531.1	4503.9	3550.0	2747.0	2270.1
70°	2245.9	2282.1	2602.1	3362.8	3634.5	3284.4	2913.1	2901.0	1901.8	1563.7	1714.6
72.5°	1310.1	1316.2	1406.7	1874.6	2412.0	2245.9	2143.3	2064.8	1222.6	1246.7	1367.5
75°	721.5	721.5	718.5	809.0	950.9	842.2	815.1	793.9	818.1	926.7	1017.3
77.5°	150.9	154.0	163.0	214.3	277.7	338.1	425.6	428.7	534.3	618.8	691.3
80°	69.4	72.4	90.6	114.7	147.9	196.2	259.6	262.6	323.0	389.4	437.7
82.5°	36.2	39.2	48.3	60.4	78.5	102.6	144.9	144.9	193.2	229.4	259.6
85°	12.1	12.1	18.1	24.1	33.2	42.3	57.4	57.4	84.5	111.7	129.8
87.5°	0.0	0.0	0.0	0.0	3.0	6.0	12.1	12.1	15.1	18.1	30.2
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: P641334

CATALOG NUMBER: GWS-SA5F-760-U-SL3-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9	13538.9
2.5°	13478.5	13385.0	13388.0	13406.1	13348.7	13261.2	13203.8	13131.4	13086.1	13077.1	13110.3
5°	13285.3	13176.7	13101.2	13022.7	12859.7	12666.5	12515.6	12391.8	12310.3	12280.1	12243.9
7.5°	13019.7	12877.8	12687.6	12467.3	12171.4	11827.3	11585.8	11359.4	11202.4	11157.2	11136.0
10°	12754.1	12548.8	12210.7	11800.1	11308.1	10843.2	10405.5	10070.4	9804.8	9653.8	9702.1
12.5°	12479.4	12225.8	11697.5	11066.6	10381.3	9681.0	9107.5	8552.0	8123.4	7909.0	7845.6
15°	12237.9	11893.7	11157.2	10302.9	9391.2	8509.7	7679.6	6846.4	6303.1	6007.2	5925.7
17.5°	12032.6	11585.8	10586.6	9524.0	8434.3	7178.5	6158.2	5385.4	5014.1	4851.1	4839.0
20°	11830.3	11283.9	10022.1	8684.8	7329.4	5922.7	5011.1	4648.8	4516.0	4458.6	4455.6
22.5°	11649.2	10967.0	9427.4	7845.6	6230.6	4977.9	4476.7	4319.8	4283.6	4283.6	4277.5
25°	11495.3	10650.0	8817.7	6955.1	5237.5	4431.5	4199.0	4132.6	4147.7	4174.9	4177.9
27.5°	11431.9	10402.5	8229.0	6040.4	4552.2	4114.5	4008.8	3999.8	4042.1	4084.3	4090.4
30°	11498.3	10233.4	7625.3	5165.0	4141.7	3921.3	3873.0	3891.1	3942.4	3984.7	3984.7
32.5°	11703.5	10148.9	7009.4	4525.0	3903.2	3785.5	3770.4	3788.5	3827.7	3851.9	3854.9
35°	12050.7	10182.1	6372.5	4093.4	3749.2	3685.8	3682.8	3694.9	3710.0	3725.1	3728.1
37.5°	12488.4	10330.0	5690.3	3842.8	3649.6	3613.4	3607.4	3604.3	3607.4	3607.4	3610.4
40°	12917.1	10553.4	5080.5	3694.9	3580.2	3550.0	3534.9	3513.8	3510.8	3504.7	3501.7
42.5°	13234.0	10725.5	4594.5	3589.2	3516.8	3480.6	3462.5	3429.3	3426.2	3423.2	3420.2
45°	13472.5	10870.4	4190.0	3486.6	3450.4	3417.2	3377.9	3347.8	3353.8	3359.8	3359.8
47.5°	13741.2	10997.2	3894.1	3390.0	3368.9	3335.7	3287.4	3266.2	3287.4	3308.5	3308.5
50°	14067.2	11175.3	3652.6	3293.4	3284.4	3245.1	3202.9	3193.8	3217.9	3248.1	3248.1
52.5°	14305.7	11329.2	3480.6	3196.8	3196.8	3145.5	3109.3	3106.3	3133.4	3163.6	3166.6
55°	14752.4	11688.4	3420.2	3085.1	3073.0	3033.8	3006.6	2985.5	3018.7	3045.9	3045.9
57.5°	15256.6	12165.4	3435.3	2925.1	2910.0	2898.0	2876.8	2852.7	2861.7	2891.9	2894.9
60°	14187.9	11241.7	3269.3	2765.1	2756.1	2750.0	2722.9	2680.6	2692.7	2716.8	2719.9
62.5°	9910.4	7471.3	2644.4	2565.9	2596.1	2593.1	2556.8	2508.5	2511.6	2544.8	2544.8
65°	5143.9	4042.1	2321.4	2384.8	2430.1	2412.0	2351.6	2309.3	2303.3	2345.5	2336.5
67.5°	2218.8	2206.7	2113.1	2194.6	2242.9	2203.7	2140.3	2070.8	2076.9	2092.0	2079.9
70°	1787.1	1841.4	1880.7	1968.2	2007.4	1935.0	1865.6	1826.3	1793.1	1790.1	1769.0
72.5°	1427.9	1503.3	1590.9	1681.4	1693.5	1621.0	1533.5	1497.3	1446.0	1442.9	1421.8
75°	1074.7	1138.1	1207.5	1279.9	1279.9	1210.5	1153.1	1135.0	1074.7	1056.5	1038.4
77.5°	733.5	772.8	827.1	845.2	863.4	836.2	778.8	748.6	679.2	661.1	636.9
80°	461.9	489.0	522.2	534.3	552.4	519.2	473.9	440.7	392.4	377.3	365.3
82.5°	277.7	295.8	317.0	323.0	338.1	313.9	271.7	247.5	220.4	208.3	199.2
85°	141.9	150.9	163.0	166.0	163.0	138.9	123.8	111.7	93.6	90.6	84.5
87.5°	36.2	42.3	45.3	42.3	39.2	30.2	21.1	15.1	6.0	6.0	3.0
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)