

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: P642229

Luminaire Tested: GWS-SA6C-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642229  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6C-740-U-T2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

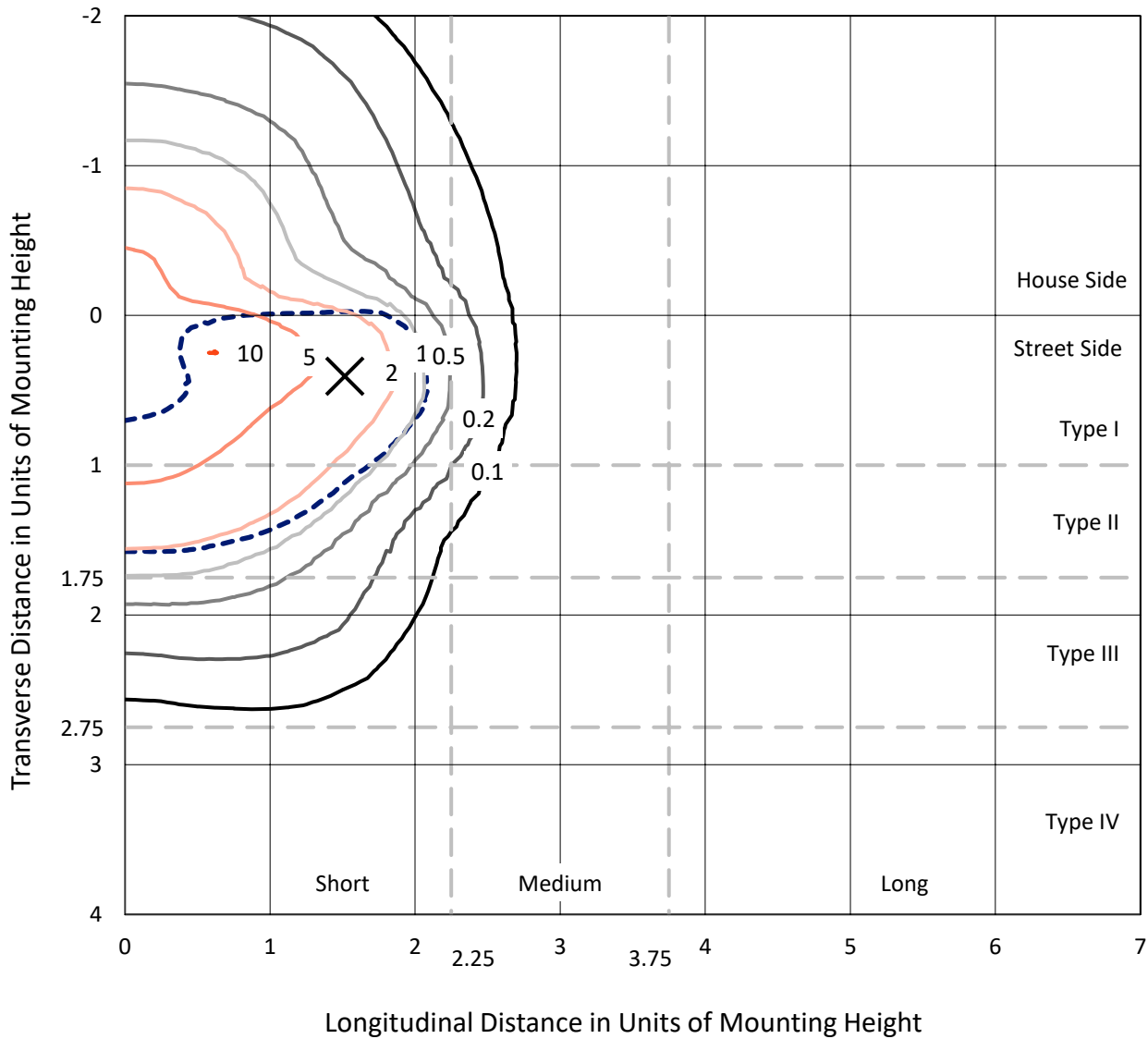
Lumens per Lamp: N/A  
Luminaire Lumens: 23673.3 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 189.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P642229  
 CATALOG NUMBER: GWS-SA6C-740-U-T2-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

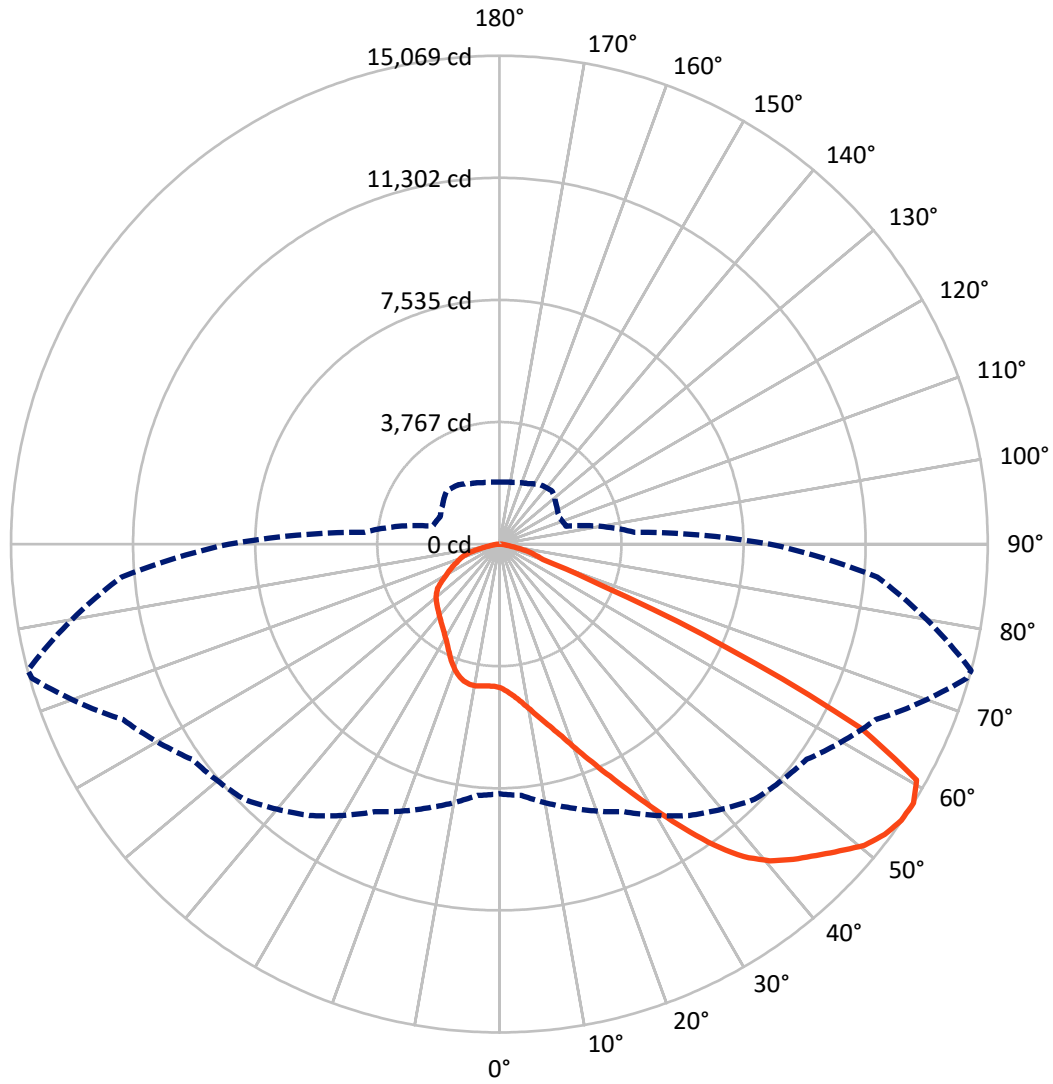
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc  
 Type II - Short - N/A

REPORT NUMBER: P642229  
CATALOG NUMBER: GWS-SA6C-740-U-T2-W-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P642229

CATALOG NUMBER: GWS-SA6C-740-U-T2-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6404.1	0.0	6404.1
	% Fixture	27.1	0.0	27.1
<b>Street Side</b>	Lumens	17269.2	0.0	17269.2
	% Fixture	72.9	0.0	72.9
<b>Total</b>	Lumens	23673.3	0.0	23673.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	443.6	1.9
10°-20°	1412.5	6.0
20°-30°	2505.0	10.6
30°-40°	3834.8	16.2
40°-50°	5339.6	22.6
50°-60°	6118.1	25.8
60°-70°	3143.6	13.3
70°-80°	791.4	3.3
80°-90°	84.6	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°	23673.3	100.0
0°-180°	23673.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P642229

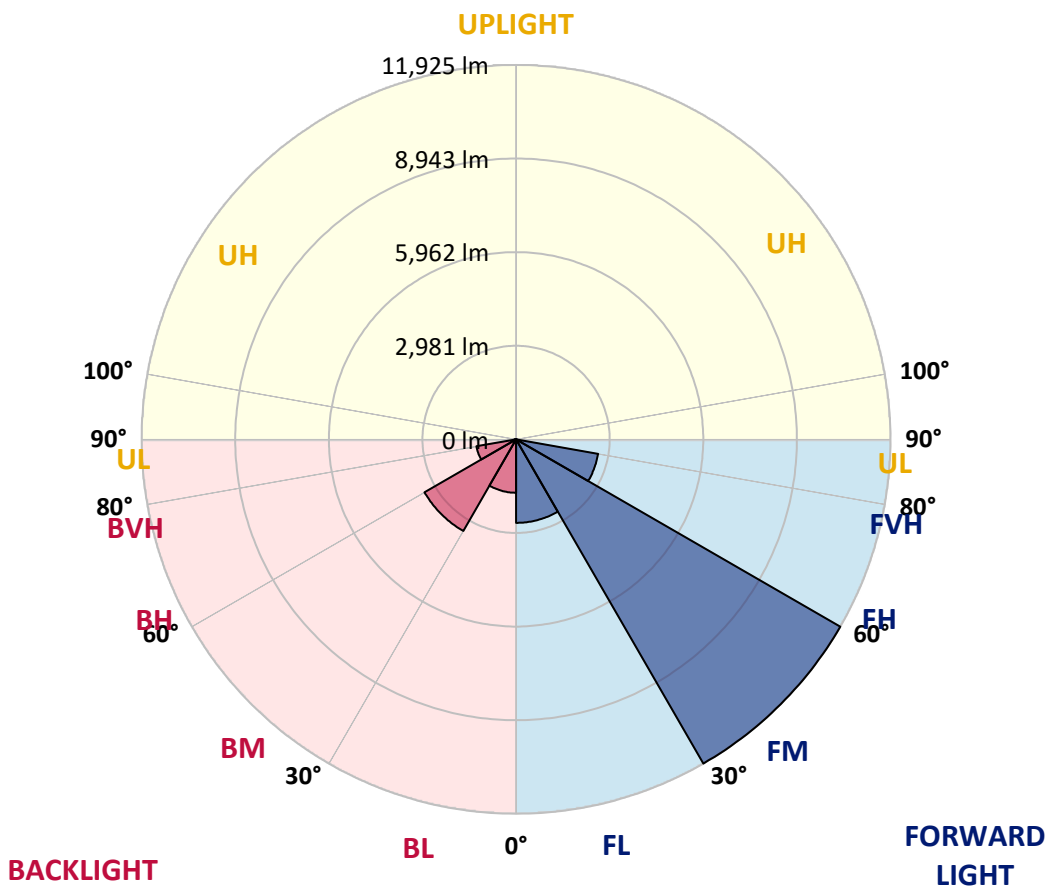
CATALOG NUMBER: GWS-SA6C-740-U-T2-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2659.8	11.2			
FM (30°-60°)	11924.5	50.4			
FH (60°-80°)	2653.5	11.2			G2/5000
FVH (80°-90°)	31.3	0.1			G1/100
BL (0°-30°)	1701.3	7.2	B3/2500		
BM (30°-60°)	3368.0	14.2	B3/5000		
BH (60°-80°)	1281.5	5.4	B3/2500		G3/2500
BVH (80°-90°)	53.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





REPORT NUMBER: P642229

CATALOG NUMBER: GWS-SA6C-740-U-T2-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4
2.5°	4763.2	4775.4	4763.2	4783.6	4742.8	4724.5	4679.7	4612.6	4559.6	4551.5	4492.5
5°	5133.7	5160.1	5143.8	5135.7	5080.7	5040.0	4972.9	4838.5	4728.6	4712.3	4596.3
7.5°	5371.8	5390.2	5390.2	5396.3	5375.9	5329.1	5257.8	5099.1	4944.4	4919.9	4744.9
10°	5451.2	5465.5	5491.9	5542.8	5583.5	5597.8	5551.0	5398.3	5209.0	5184.6	4940.3
12.5°	5469.5	5485.8	5526.5	5620.2	5732.1	5833.9	5842.0	5730.1	5518.4	5491.9	5166.2
15°	5504.1	5520.4	5575.4	5691.4	5856.3	6051.7	6171.8	6094.5	5860.4	5831.9	5422.7
17.5°	5500.1	5518.4	5599.8	5754.5	5976.4	6259.3	6491.4	6524.0	6281.7	6232.9	5713.8
20°	5489.9	5506.2	5593.7	5783.0	6057.8	6446.6	6865.9	7034.9	6774.3	6729.5	6053.7
22.5°	5571.3	5589.6	5656.8	5813.5	6100.6	6591.1	7212.0	7619.1	7358.5	7295.4	6444.6
25°	5754.5	5781.0	5821.7	5929.6	6177.9	6719.4	7566.2	8280.6	8014.0	7938.7	6870.0
27.5°	6037.5	6070.0	6127.0	6177.9	6350.9	6882.2	7918.3	9021.6	8754.9	8675.5	7319.9
30°	6383.5	6426.2	6499.5	6534.1	6652.2	7122.4	8301.0	9784.9	9630.2	9520.3	7826.7
32.5°	6861.9	6920.9	6990.1	7000.3	7071.5	7486.8	8679.6	10542.1	10540.1	10462.8	8402.8
35°	7484.7	7547.8	7562.1	7576.3	7610.9	7987.5	9137.6	11232.2	11498.9	11409.3	9029.7
37.5°	8164.6	8256.2	8278.6	8215.5	8264.4	8590.0	9652.6	11785.9	12333.4	12237.8	9636.3
40°	8891.3	8927.9	8989.0	8889.3	8950.3	9280.1	10157.4	12140.1	12956.3	12854.5	10114.7
42.5°	9412.4	9479.6	9571.2	9534.5	9569.1	9870.4	10511.6	12311.0	13400.1	13298.3	10458.7
45°	9978.3	9998.7	10057.7	10049.5	10069.9	10350.8	10766.1	12386.4	13797.0	13705.4	10751.8
47.5°	10470.9	10501.4	10540.1	10495.3	10450.5	10633.7	10973.7	12451.5	14255.0	14145.1	11059.2
50°	10945.2	10971.6	11018.5	10888.2	10721.3	10768.1	11075.5	12541.1	14684.5	14607.1	11301.4
52.5°	11032.7	11061.2	11281.1	11307.5	11093.8	10928.9	11254.6	12738.5	14936.9	14888.1	11388.9
55°	9931.5	9982.4	10420.0	10922.8	11450.0	11397.1	11541.6	12842.3	15036.7	15048.9	11545.7
57.5°	7708.7	7781.9	8421.1	9111.1	10220.5	11138.6	11578.2	12815.9	15002.0	15069.2	11706.5
60°	5056.3	5099.1	5856.3	6629.8	7779.9	9050.1	10363.0	12339.5	14694.7	14790.3	11665.8
62.5°	3053.3	3102.2	3710.8	4297.1	4974.9	5823.7	7028.8	9917.2	12317.1	12530.9	9343.2
65°	2131.2	2196.4	2729.7	3212.1	3446.2	3271.1	3560.2	5538.7	7674.0	7763.6	5709.7
67.5°	1545.0	1589.8	2027.4	2601.4	2860.0	2310.4	1760.8	2452.8	3342.4	3375.0	2355.1
70°	1011.7	1062.6	1459.5	1980.6	2334.8	1872.7	1317.0	1327.2	1406.6	1422.9	1367.9
72.5°	555.7	586.2	901.8	1315.0	1380.1	1119.6	1028.0	1103.3	1158.2	1158.2	1172.5
75°	287.0	313.5	368.4	433.6	523.1	612.7	740.9	852.9	911.9	916.0	909.9
77.5°	146.6	156.7	197.4	213.7	234.1	272.8	354.2	453.9	506.9	527.2	523.1
80°	69.2	73.3	83.5	97.7	120.1	152.7	191.3	228.0	260.6	264.6	287.0
82.5°	36.6	40.7	44.8	52.9	65.1	81.4	112.0	134.3	154.7	158.8	177.1
85°	14.2	16.3	18.3	20.4	28.5	34.6	46.8	63.1	77.4	77.4	91.6
87.5°	0.0	0.0	0.0	0.0	2.0	4.1	8.1	10.2	14.2	14.2	24.4
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: P642229

CATALOG NUMBER: GWS-SA6C-740-U-T2-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4	4433.4
2.5°	4478.2	4419.2	4392.7	4350.0	4315.4	4276.7	4246.2	4223.8	4209.5	4201.4	4193.2
5°	4551.5	4461.9	4390.7	4305.2	4246.2	4189.2	4142.4	4109.8	4093.5	4081.3	4073.1
7.5°	4665.5	4545.4	4411.0	4278.7	4174.9	4083.3	4024.3	3989.7	3967.3	3959.2	3953.0
10°	4822.2	4655.3	4433.4	4223.8	4069.1	3969.3	3928.6	3912.3	3914.4	3910.3	3908.3
12.5°	4999.3	4771.3	4427.3	4126.1	3955.1	3896.1	3898.1	3924.6	3955.1	3963.2	3965.3
15°	5190.7	4885.3	4368.3	3999.9	3865.5	3871.6	3924.6	3987.7	4044.6	4067.0	4071.1
17.5°	5398.3	4981.0	4260.4	3861.4	3792.2	3857.4	3955.1	4058.9	4142.4	4179.0	4189.2
20°	5630.3	5062.4	4107.8	3725.1	3723.0	3830.9	3973.4	4109.8	4215.6	4264.5	4272.6
22.5°	5876.6	5113.3	3920.5	3598.9	3651.8	3796.3	3959.2	4101.6	4213.6	4262.5	4272.6
25°	6125.0	5129.6	3714.9	3482.8	3578.5	3741.4	3889.9	4003.9	4109.8	4152.5	4160.7
27.5°	6357.0	5082.8	3519.5	3383.1	3511.3	3659.9	3759.7	3820.7	3894.0	3926.6	3932.7
30°	6593.2	4989.1	3354.6	3303.7	3436.0	3548.0	3592.8	3596.8	3625.3	3625.3	3629.4
32.5°	6831.3	4850.7	3210.1	3226.4	3342.4	3415.7	3421.8	3375.0	3340.3	3283.4	3281.3
35°	7106.1	4710.3	3092.0	3138.8	3232.5	3277.2	3258.9	3169.4	3085.9	2992.3	2988.2
37.5°	7360.6	4565.8	2992.3	3049.3	3108.3	3140.9	3098.1	2990.2	2921.0	2825.4	2811.1
40°	7570.2	4435.5	2896.6	2955.6	2984.1	3012.6	2943.4	2855.9	2866.1	2813.1	2811.1
42.5°	7692.4	4309.3	2807.0	2851.8	2870.1	2890.5	2829.4	2764.3	2819.2	2778.5	2780.6
45°	7781.9	4199.4	2725.6	2741.9	2786.7	2817.2	2760.2	2686.9	2699.1	2542.4	2505.8
47.5°	7883.7	4138.3	2648.3	2632.0	2711.4	2764.3	2676.8	2570.9	2497.6	2342.9	2328.7
50°	7991.6	4115.9	2566.8	2522.1	2617.7	2668.6	2566.8	2434.5	2338.9	2255.4	2247.3
52.5°	8028.2	4113.9	2465.1	2389.7	2485.4	2556.7	2471.2	2336.8	2222.8	2141.4	2137.3
55°	8172.8	4172.9	2334.8	2208.6	2298.1	2444.7	2381.6	2188.2	2096.6	2060.0	2055.9
57.5°	8341.7	4183.1	2129.2	2011.1	2135.3	2308.3	2228.9	2062.0	1962.3	1917.5	1913.4
60°	8272.5	3932.7	1909.4	1860.5	1996.9	2180.1	2106.8	1962.3	1846.2	1803.5	1799.4
62.5°	6304.1	2776.5	1748.5	1730.2	1848.3	1994.8	1980.6	1830.0	1720.0	1689.5	1685.4
65°	3792.2	1950.1	1593.8	1591.8	1675.3	1815.7	1834.0	1711.9	1595.9	1553.1	1553.1
67.5°	1874.7	1492.1	1418.8	1408.6	1461.5	1561.3	1638.6	1538.9	1441.2	1400.5	1394.4
70°	1325.1	1315.0	1290.5	1262.0	1272.2	1312.9	1345.5	1262.0	1158.2	1117.5	1109.4
72.5°	1146.0	1148.1	1131.8	1109.4	1101.2	1072.7	1044.2	983.2	920.1	877.3	881.4
75°	889.5	893.6	903.8	895.6	873.3	842.7	812.2	734.8	683.9	643.2	635.1
77.5°	519.1	539.4	572.0	563.8	567.9	525.2	513.0	437.6	390.8	362.3	356.2
80°	293.1	305.3	319.6	329.8	317.5	299.2	272.8	232.1	217.8	197.4	193.4
82.5°	177.1	189.3	195.4	203.6	199.5	175.1	154.7	128.2	116.0	105.8	103.8
85°	89.6	97.7	103.8	107.9	95.7	79.4	71.2	57.0	48.9	42.7	42.7
87.5°	22.4	24.4	28.5	24.4	22.4	10.2	8.1	2.0	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)