

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: P641842

Luminaire Tested: GWS-SA6B-760-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641842  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-760-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

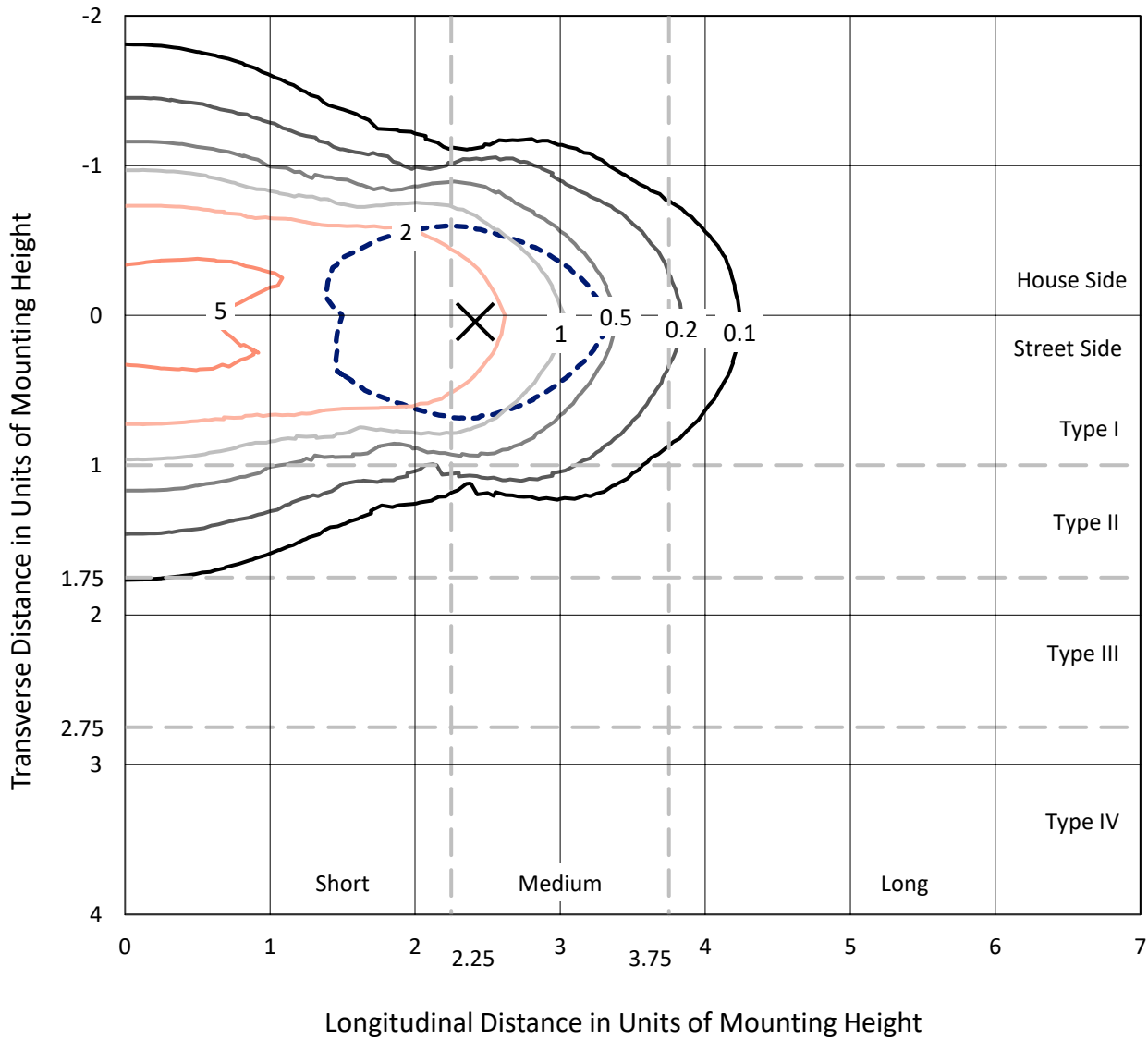
Lumens per Lamp: N/A  
Luminaire Lumens: 21321.9 lumens  
Efficiency: N/A  
Efficacy: 153.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P641842  
 CATALOG NUMBER: GWS-SA6B-760-U-T1-W

### Iso-Footcandle Lines of Horizontal Illumination

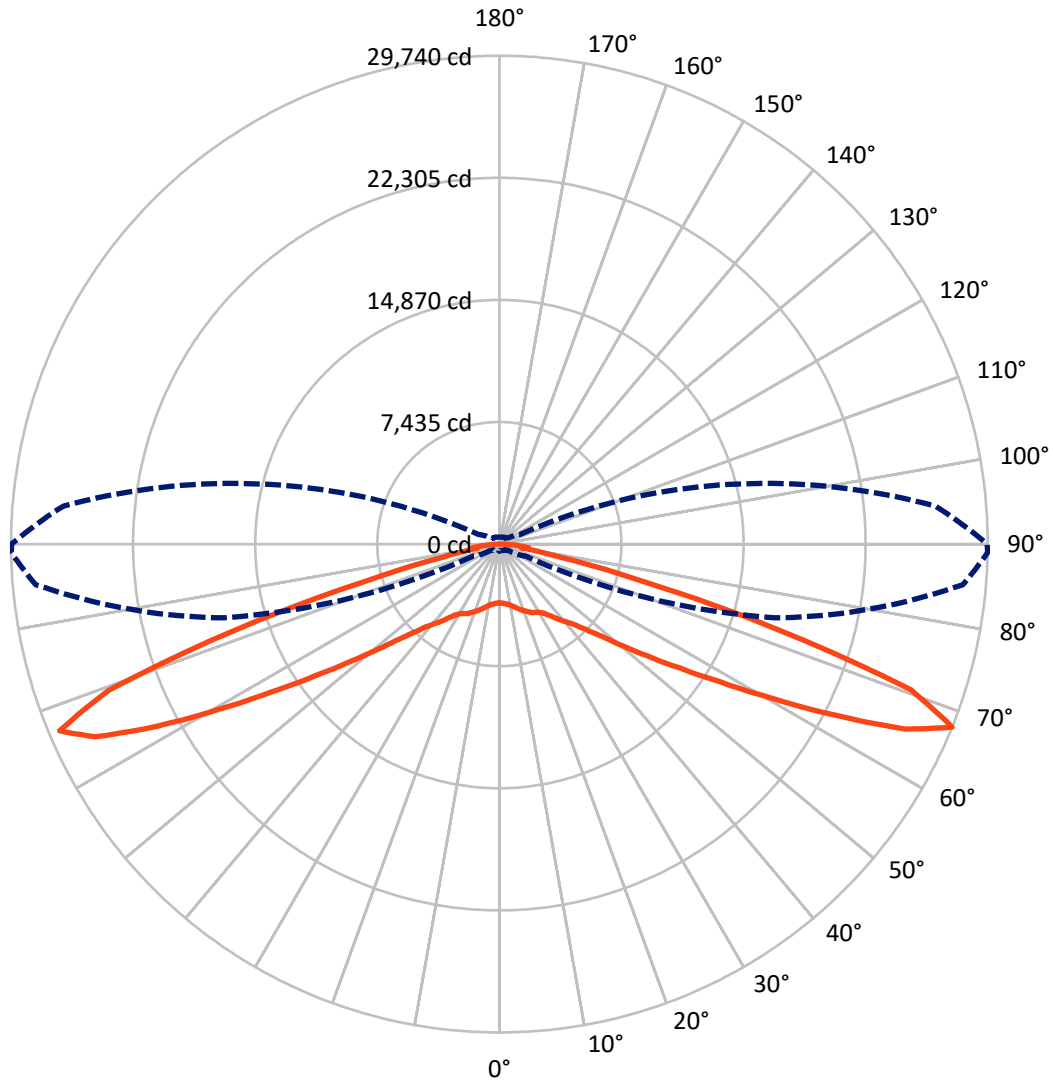
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type I - Medium - N/A

REPORT NUMBER: P641842  
CATALOG NUMBER: GWS-SA6B-760-U-T1-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P641842

CATALOG NUMBER: GWS-SA6B-760-U-T1-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10567.5	0.0	10567.5
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	10754.4	0.0	10754.4
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	21321.9	0.0	21321.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	359.0	1.7
10°-20°	1168.9	5.5
20°-30°	1975.9	9.3
30°-40°	2711.7	12.7
40°-50°	3458.0	16.2
50°-60°	4338.6	20.3
60°-70°	5232.7	24.5
70°-80°	1893.0	8.9
80°-90°	184.1	0.9
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°	21321.9	100.0
0°-180°	21321.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641842

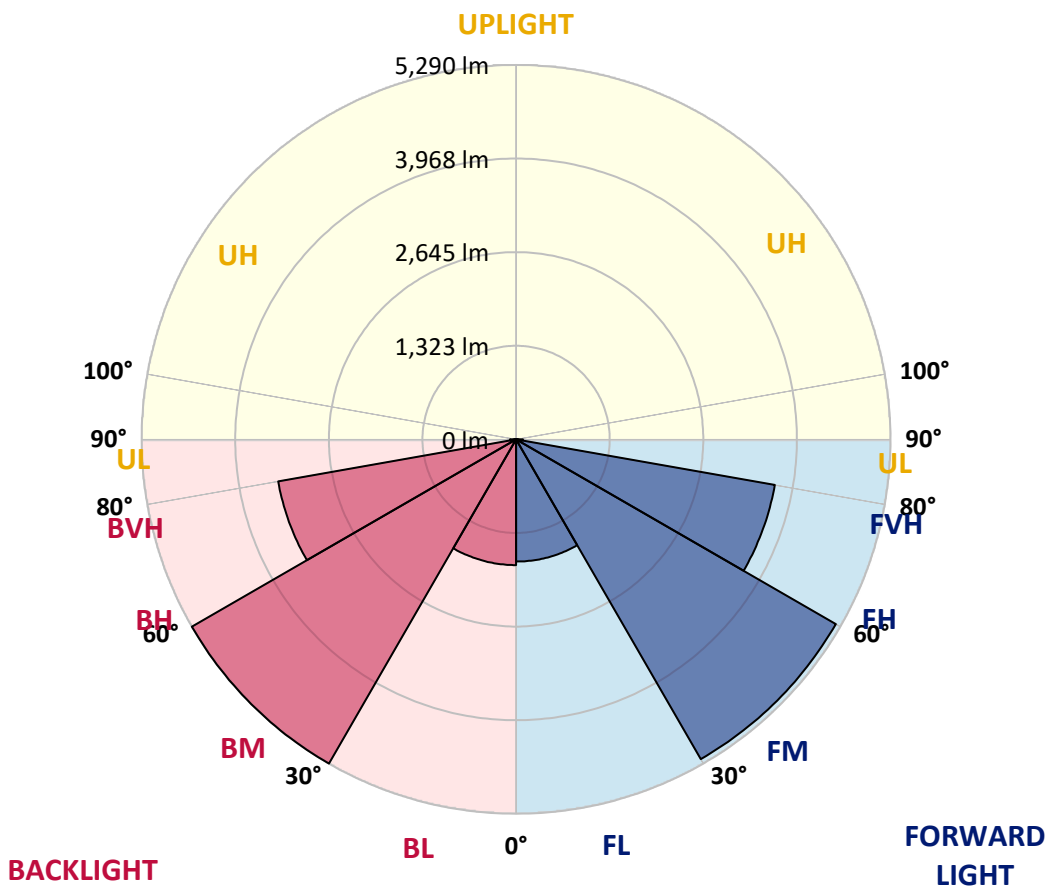
CATALOG NUMBER: GWS-SA6B-760-U-T1-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1726.9	8.1			
FM (30°-60°)	5217.9	24.5			
FH (60°-80°)	3712.5	17.4			G2/5000
FVH (80°-90°)	97.1	0.5			G1/100
BL (0°-30°)	1776.8	8.3	B3/2500		
BM (30°-60°)	5290.4	24.8	B4/8500		
BH (60°-80°)	3413.3	16.0	B4/5000		G4/5000
BVH (80°-90°)	87.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Medium





REPORT NUMBER: P641842  
 CATALOG NUMBER: GWS-SA6B-760-U-T1-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°	
0°	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7
2.5°	3589.4	3586.4	3578.7	3601.7	3597.1	3598.6	3607.8	3601.7	3591.0	3572.6	3598.6	3598.6
5°	3690.5	3689.0	3672.1	3685.9	3670.6	3659.9	3658.3	3643.0	3630.8	3610.9	3638.4	3638.4
7.5°	3788.5	3787.0	3773.2	3797.7	3785.4	3773.2	3759.4	3728.8	3699.7	3670.6	3701.2	3701.2
10°	3863.5	3862.0	3858.9	3894.2	3897.2	3901.8	3895.7	3843.6	3793.1	3757.9	3788.5	3788.5
12.5°	3906.4	3911.0	3918.7	3983.0	4015.1	4045.8	4053.4	4010.5	3926.3	3875.8	3912.5	3912.5
15°	3877.3	3886.5	3924.8	4041.2	4130.0	4198.9	4228.0	4192.8	4084.0	3999.8	4041.2	4041.2
17.5°	3738.0	3745.6	3820.7	3998.3	4194.3	4353.6	4401.0	4379.6	4258.6	4156.0	4195.8	4195.8
20°	3545.0	3561.9	3643.0	3891.1	4183.6	4460.8	4587.9	4580.2	4448.5	4290.8	4338.2	4338.2
22.5°	3370.4	3390.4	3476.1	3750.2	4111.6	4488.3	4776.2	4796.1	4621.5	4425.5	4463.8	4463.8
25°	3174.4	3192.8	3303.1	3583.3	3987.6	4466.9	4937.0	5027.3	4817.6	4580.2	4615.4	4615.4
27.5°	2973.8	2987.6	3096.3	3395.0	3825.3	4427.1	5064.1	5281.5	5010.5	4687.4	4711.9	4711.9
30°	2797.7	2816.1	2915.6	3206.6	3647.6	4347.4	5168.2	5552.6	5232.5	4808.4	4828.3	4828.3
32.5°	2627.8	2643.1	2751.8	3021.3	3459.3	4224.9	5261.6	5871.1	5561.8	5033.5	5033.5	5033.5
35°	2413.4	2440.9	2563.4	2843.7	3281.6	4062.6	5329.0	6241.7	6012.0	5365.8	5367.3	5367.3
37.5°	2215.8	2231.1	2359.8	2643.1	3094.8	3878.8	5335.1	6626.0	6581.6	5788.4	5791.5	5791.5
40°	1990.7	2010.6	2148.5	2428.7	2880.4	3685.9	5276.9	6984.4	7178.9	6223.3	6206.5	6206.5
42.5°	1762.6	1791.7	1923.3	2197.5	2649.2	3450.1	5122.3	7325.9	7936.9	6727.1	6685.8	6685.8
45°	1542.0	1560.4	1692.1	1950.9	2384.3	3168.3	4874.2	7653.6	8837.3	7492.8	7433.1	7433.1
47.5°	1294.0	1301.6	1437.9	1686.0	2110.2	2854.4	4518.9	7946.1	9826.5	8506.5	8403.9	8403.9
50°	1073.5	1084.2	1191.4	1404.2	1774.8	2482.3	4076.4	8117.6	11086.8	9889.3	9711.7	9711.7
52.5°	868.3	879.0	964.7	1134.7	1467.0	2058.1	3528.2	8077.7	12365.5	11605.9	11347.1	11347.1
55°	701.3	709.0	767.2	900.4	1154.6	1637.0	2880.4	7720.9	13785.0	13847.8	13290.4	13290.4
57.5°	592.6	595.7	635.5	716.7	902.0	1261.8	2223.5	6878.7	15273.4	16708.3	15792.6	15792.6
60°	529.8	531.4	549.7	600.3	712.1	963.2	1629.3	5537.3	16815.5	20287.0	19031.3	19031.3
62.5°	490.0	490.0	505.3	534.4	591.1	741.2	1197.5	3976.9	17922.6	24181.2	22933.1	22933.1
65°	451.7	451.7	462.5	487.0	517.6	604.9	898.9	2565.0	18466.3	27436.8	27159.6	27159.6
67.5°	402.7	404.3	411.9	438.0	465.5	505.3	681.4	1735.0	17337.7	28337.2	29739.9	29739.9
70°	356.8	358.3	369.0	385.9	408.9	436.4	532.9	1196.0	12619.7	23600.8	26591.5	26591.5
72.5°	306.3	312.4	320.0	338.4	352.2	372.1	434.9	774.9	7342.7	15181.6	17578.1	17578.1
75°	251.1	258.8	268.0	286.4	295.5	303.2	358.3	552.8	3532.8	7693.4	8760.7	8760.7
77.5°	194.5	202.1	212.9	229.7	235.8	245.0	274.1	399.7	1692.1	3410.3	3676.7	3676.7
80°	130.2	133.2	142.4	162.3	173.0	179.2	202.1	272.6	735.0	1369.0	1356.8	1356.8
82.5°	79.6	81.2	84.2	96.5	101.1	107.2	131.7	166.9	350.7	1555.8	1784.0	1784.0
85°	29.1	27.6	26.0	33.7	39.8	45.9	61.3	84.2	153.1	1068.9	1196.0	1196.0
87.5°	0.0	0.0	0.0	1.5	3.1	3.1	6.1	12.3	36.8	399.7	274.1	274.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P641842  
 CATALOG NUMBER: GWS-SA6B-760-U-T1-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7	3578.7
2.5°	3591.0	3574.1	3595.6	3610.9	3644.6	3656.8	3659.9	3649.2	3649.2	3630.8	3633.8
5°	3632.3	3621.6	3656.8	3682.8	3731.8	3750.2	3762.5	3754.8	3759.4	3747.2	3750.2
7.5°	3695.1	3685.9	3747.2	3797.7	3848.2	3869.7	3880.4	3874.3	3875.8	3860.5	3865.1
10°	3782.4	3785.4	3858.9	3924.8	3992.2	4013.6	4018.2	3999.8	3984.5	3956.9	3958.5
12.5°	3901.8	3917.1	4021.3	4094.8	4163.7	4194.3	4160.6	4093.2	4030.5	3983.0	3976.9
15°	4032.0	4059.5	4209.6	4303.0	4378.1	4362.7	4263.2	4111.6	3987.6	3917.1	3903.4
17.5°	4188.2	4229.5	4417.9	4529.7	4594.0	4496.0	4287.7	4061.1	3888.0	3793.1	3774.7
20°	4335.2	4401.0	4638.4	4783.9	4791.5	4571.0	4277.0	3958.5	3741.0	3624.6	3600.1
22.5°	4469.9	4554.2	4869.6	5054.9	4955.4	4604.7	4211.1	3813.0	3563.4	3427.1	3405.7
25°	4616.9	4736.4	5139.1	5312.2	5119.2	4590.9	4073.3	3632.3	3349.0	3209.7	3194.3
27.5°	4718.0	4868.1	5410.2	5575.6	5254.0	4512.8	3895.7	3434.8	3153.0	3021.3	2999.9
30°	4834.4	5025.8	5708.8	5861.9	5336.7	4398.0	3705.8	3251.0	2970.8	2828.4	2813.0
32.5°	5045.7	5286.1	6079.4	6165.1	5362.7	4255.6	3523.6	3073.4	2780.9	2638.5	2617.0
35°	5385.7	5667.4	6600.0	6503.5	5342.8	4099.4	3350.5	2865.1	2586.4	2453.2	2431.7
37.5°	5814.4	6165.1	7180.4	6808.3	5287.7	3927.9	3145.3	2690.5	2411.8	2277.1	2264.8
40°	6214.1	6646.0	7831.2	7071.7	5175.9	3716.5	2947.8	2508.3	2223.5	2081.1	2053.5
42.5°	6714.9	7289.1	8584.6	7299.8	4992.1	3463.9	2725.8	2283.2	1987.7	1859.0	1825.3
45°	7475.9	8189.5	9460.5	7518.8	4718.0	3153.0	2447.1	2009.1	1728.9	1597.2	1571.1
47.5°	8425.4	9315.1	10410.0	7649.0	4301.5	2825.3	2131.6	1719.7	1439.4	1290.9	1278.7
50°	9759.1	10952.0	11428.3	7626.0	3836.0	2436.3	1776.3	1375.1	1140.8	1033.6	1016.8
52.5°	11383.9	13007.1	12529.3	7350.4	3341.4	1993.8	1384.3	1079.6	905.0	828.4	814.7
55°	13422.1	15467.9	13688.5	6759.3	2716.6	1526.7	1087.2	851.4	732.0	686.0	679.9
57.5°	15945.7	18654.6	14804.9	5763.9	2042.8	1165.3	837.6	702.9	646.2	618.7	617.1
60°	19276.3	22037.3	15774.2	4479.1	1462.4	891.2	692.2	627.8	583.4	565.1	563.5
62.5°	23236.3	25109.2	16377.5	3050.4	1099.5	710.5	609.5	569.7	543.6	532.9	531.4
65°	27306.6	27050.9	16089.6	1998.4	834.6	603.3	546.7	525.2	502.3	491.6	491.6
67.5°	29710.8	26640.5	13879.9	1387.4	661.5	529.8	493.1	473.2	434.9	425.7	425.7
70°	26315.8	21587.1	9097.6	1015.3	536.0	464.0	428.8	401.2	385.9	376.7	375.2
72.5°	17405.1	14046.9	4837.5	704.4	447.1	395.1	362.9	352.2	333.8	324.6	323.1
75°	8662.7	7377.9	2479.2	508.4	372.1	317.0	303.2	298.6	283.3	271.0	268.0
77.5°	3610.9	3284.7	1156.2	369.0	283.3	255.7	243.5	243.5	226.6	212.9	206.7
80°	1361.3	1212.8	546.7	252.7	209.8	189.9	182.2	176.1	162.3	145.5	136.3
82.5°	1820.7	1189.8	268.0	157.7	137.8	122.5	111.8	107.2	99.5	91.9	85.8
85°	1179.1	845.3	121.0	81.2	68.9	52.1	45.9	42.9	38.3	33.7	30.6
87.5°	240.4	283.3	36.8	15.3	9.2	4.6	4.6	1.5	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)