

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: P635286

Luminaire Tested: GWS-SA3D-740-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635286  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-740-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

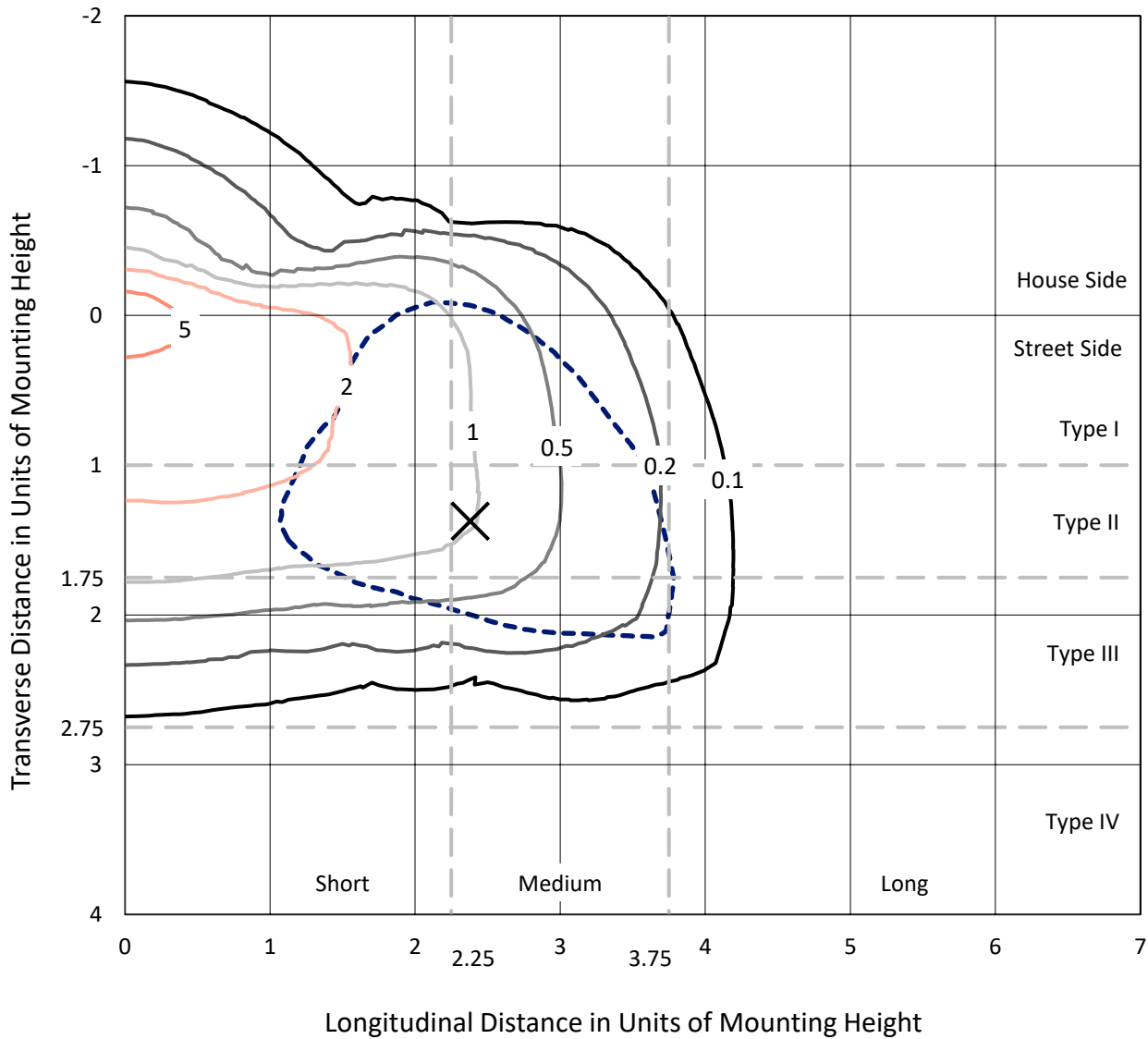
Lumens per Lamp: N/A  
Luminaire Lumens: 17243 lumens  
Efficiency: N/A  
Efficacy: 142.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P635286  
 CATALOG NUMBER: GWS-SA3D-740-U-SL3-W

### Iso-Footcandle Lines of Horizontal Illumination

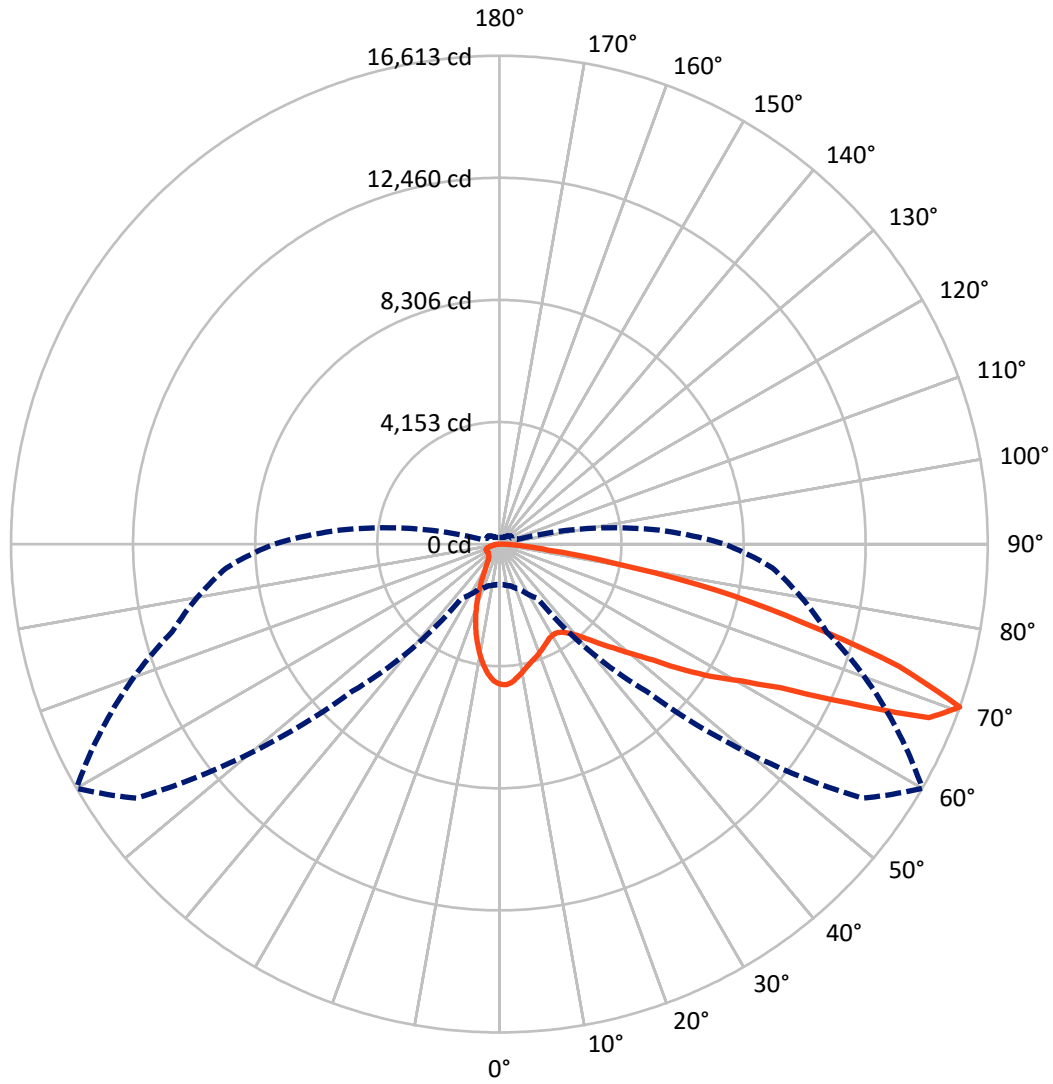
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P635286  
CATALOG NUMBER: GWS-SA3D-740-U-SL3-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P635286

CATALOG NUMBER: GWS-SA3D-740-U-SL3-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2948.9	0.0	2948.9
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	14294.0	0.0	14294.0
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	17243.0	0.0	17243.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	411.3	2.4
10°-20°	921.4	5.3
20°-30°	1180.0	6.8
30°-40°	1550.8	9.0
40°-50°	2249.9	13.0
50°-60°	3510.4	20.4
60°-70°	4595.8	26.7
70°-80°	2541.3	14.7
80°-90°	282.0	1.6
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°	17243.0	100.0
0°-180°	17243.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635286

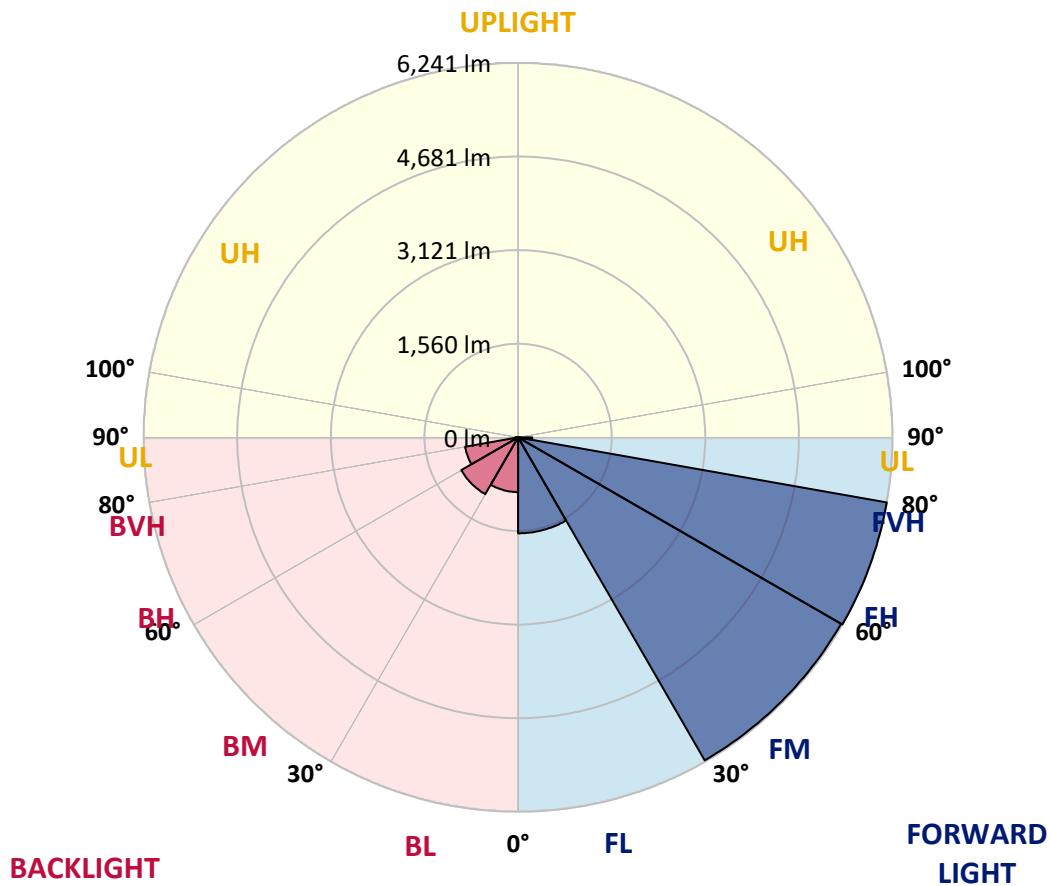
CATALOG NUMBER: GWS-SA3D-740-U-SL3-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1600.3	9.3			
FM (30°-60°)	6217.8	36.1			
FH (60°-80°)	6241.0	36.2			G3/7500
FVH (80°-90°)	235.0	1.4			G3/500
BL (0°-30°)	912.4	5.3	B2/1000		
BM (30°-60°)	1093.4	6.3	B2/2500		
BH (60°-80°)	896.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	47.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Medium





REPORT NUMBER: P635286  
 CATALOG NUMBER: GWS-SA3D-740-U-SL3-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4
2.5°	4704.5	4709.5	4723.4	4743.6	4763.8	4773.9	4799.1	4791.5	4786.5	4776.4	4763.8
5°	4496.3	4506.4	4519.0	4558.2	4602.3	4637.6	4694.4	4700.7	4703.2	4708.3	4688.1
7.5°	4231.4	4233.9	4264.2	4315.9	4374.0	4434.5	4529.1	4555.6	4578.3	4603.6	4587.2
10°	3938.7	3945.0	3967.7	4042.2	4141.8	4231.4	4358.8	4403.0	4450.9	4506.4	4483.7
12.5°	3699.0	3700.3	3736.9	3816.3	3924.8	4045.9	4204.9	4257.9	4321.0	4408.0	4387.8
15°	3508.5	3508.5	3542.6	3610.7	3735.6	3878.2	4067.4	4135.5	4221.3	4338.6	4303.3
17.5°	3357.1	3358.4	3379.8	3451.7	3562.8	3720.5	3945.0	4037.1	4131.7	4286.9	4233.9
20°	3277.6	3271.3	3275.1	3319.3	3413.9	3566.5	3822.6	3929.9	4057.3	4251.6	4170.8
22.5°	3273.8	3262.5	3246.1	3249.9	3305.4	3431.5	3691.4	3821.4	3981.6	4222.6	4106.5
25°	3338.2	3325.6	3296.6	3263.8	3258.7	3334.4	3567.8	3715.4	3903.4	4210.0	4044.7
27.5°	3446.7	3437.9	3400.0	3350.8	3299.1	3296.6	3474.4	3628.4	3846.6	4222.6	4000.5
30°	3590.5	3575.4	3551.4	3488.3	3410.1	3329.4	3437.9	3581.7	3808.8	4262.9	3981.6
32.5°	3753.3	3744.4	3721.7	3658.6	3575.4	3446.7	3466.9	3591.8	3808.8	4333.6	3985.4
35°	3926.1	3924.8	3924.8	3883.2	3791.1	3630.9	3581.7	3677.6	3866.8	4447.1	4025.8
37.5°	4093.9	4092.6	4133.0	4148.1	4043.4	3870.6	3777.2	3849.1	3994.2	4614.9	4125.4
40°	4230.1	4235.2	4323.5	4399.2	4341.2	4180.9	4049.7	4086.3	4201.1	4853.4	4299.5
42.5°	4367.7	4381.5	4514.0	4647.7	4670.4	4531.7	4399.2	4420.6	4497.6	5168.8	4559.4
45°	4517.8	4524.1	4709.5	4896.3	5006.0	4924.0	4815.5	4844.5	4862.2	5558.6	4946.7
47.5°	4662.9	4679.3	4919.0	5175.1	5383.2	5375.7	5315.1	5306.3	5310.1	6033.0	5404.7
50°	4860.9	4884.9	5166.2	5475.3	5780.6	5920.7	5938.3	5871.5	5843.7	6560.3	5974.9
52.5°	5236.9	5236.9	5489.2	5793.3	6203.3	6550.2	6668.8	6559.0	6470.7	7117.9	6580.5
55°	5707.5	5727.7	5928.2	6174.3	6694.0	7212.6	7613.7	7492.6	7242.8	7724.8	7215.1
57.5°	5916.9	5942.1	6260.0	6642.3	7336.2	7965.7	8522.1	8479.2	8114.6	8355.6	7873.6
60°	5538.4	5591.4	6029.2	6670.1	7917.8	9180.6	9573.0	9448.1	8927.1	9017.9	8587.7
62.5°	4620.0	4678.0	5163.7	6058.2	7837.0	10494.0	11229.5	10769.0	9941.4	9854.3	9538.9
65°	2756.6	2754.1	3338.2	4524.1	6841.6	10858.6	13851.1	12991.9	11508.3	11002.4	10517.9
67.5°	1752.4	1748.6	1870.9	2397.0	4553.1	9965.4	15536.6	15759.9	13636.6	11846.4	10598.7
70°	1382.7	1381.4	1469.8	1709.5	2252.0	7091.4	15067.3	16612.7	14922.2	11524.7	9332.0
72.5°	1008.0	1010.5	1146.8	1431.9	1737.2	3560.2	12200.9	14214.4	13724.9	10173.5	7575.9
75°	724.2	727.9	809.9	1096.3	1602.2	1946.6	8113.3	10688.3	10442.2	8155.0	5211.7
77.5°	460.5	465.5	537.4	768.3	1294.4	1572.0	4919.0	7545.6	6947.6	4594.7	1853.3
80°	281.3	297.7	358.3	572.8	1034.5	1179.6	2458.9	3975.3	3479.5	1260.3	623.2
82.5°	145.1	157.7	215.7	354.5	712.8	1035.8	1391.5	1670.4	1077.4	527.3	331.8
85°	45.4	53.0	75.7	143.8	339.4	642.2	921.0	830.1	494.5	248.5	153.9
87.5°	11.4	11.4	12.6	12.6	13.9	29.0	177.9	188.0	131.2	78.2	63.1
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: P635286  
 CATALOG NUMBER: GWS-SA3D-740-U-SL3-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4	4771.4
2.5°	4738.6	4708.3	4695.7	4694.4	4662.9	4617.4	4587.2	4565.7	4553.1	4550.6	4550.6
5°	4654.0	4614.9	4563.2	4524.1	4439.6	4353.8	4281.9	4241.5	4194.8	4188.5	4187.2
7.5°	4541.8	4485.0	4386.6	4276.8	4129.2	3986.6	3865.5	3783.5	3701.5	3686.4	3681.3
10°	4420.6	4343.7	4175.9	3982.9	3762.1	3548.9	3363.4	3218.3	3122.5	3054.3	3041.7
12.5°	4300.8	4198.6	3952.6	3664.9	3362.2	3070.7	2791.9	2554.7	2383.2	2283.5	2265.8
15°	4188.5	4045.9	3709.1	3342.0	2948.4	2549.7	2154.8	1847.0	1606.0	1520.2	1500.0
17.5°	4086.3	3908.4	3473.2	3007.6	2516.9	1995.8	1546.7	1273.0	1131.7	1088.8	1078.7
20°	3984.1	3767.1	3233.5	2655.7	2058.9	1474.8	1130.4	1001.7	948.7	932.3	927.3
22.5°	3874.4	3612.0	2972.3	2308.7	1595.9	1103.9	924.8	868.0	851.6	852.8	851.6
25°	3764.6	3454.3	2698.6	1931.5	1188.4	895.7	807.4	786.0	789.8	801.1	803.6
27.5°	3673.8	3314.2	2429.8	1517.7	928.5	770.8	729.2	727.9	741.8	757.0	759.5
30°	3608.2	3189.3	2164.9	1167.0	764.5	685.0	668.6	676.2	692.6	704.0	707.8
32.5°	3561.5	3082.1	1882.3	917.2	669.9	624.5	616.9	624.5	634.6	645.9	648.5
35°	3545.1	3003.9	1604.8	748.1	605.6	580.3	575.3	579.1	584.1	590.4	593.0
37.5°	3581.7	2964.8	1314.6	651.0	566.5	551.3	543.7	541.2	542.5	545.0	546.3
40°	3690.2	2982.4	1077.4	594.2	541.2	527.3	514.7	509.7	508.4	510.9	509.7
42.5°	3876.9	3056.9	905.8	561.4	521.0	500.9	487.0	481.9	481.9	488.2	488.2
45°	4150.7	3203.2	782.2	537.4	503.4	478.1	463.0	460.5	465.5	475.6	476.9
47.5°	4551.8	3417.7	707.8	519.8	487.0	458.0	442.8	441.6	451.7	468.1	469.3
50°	5027.5	3726.8	667.4	507.2	475.6	441.6	426.4	427.7	439.0	456.7	460.5
52.5°	5600.2	4148.1	669.9	502.1	469.3	431.5	416.3	413.8	425.2	442.8	446.6
55°	6191.9	4660.3	719.1	503.4	460.5	426.4	406.2	397.4	407.5	420.1	421.4
57.5°	6842.9	5238.2	841.5	500.9	449.1	421.4	397.4	377.2	383.5	391.1	394.9
60°	7577.2	5918.2	1105.2	505.9	444.1	410.0	379.7	353.2	352.0	357.0	358.3
62.5°	8558.7	6842.9	1401.6	514.7	455.4	396.1	353.2	325.5	320.4	323.0	324.2
65°	9309.3	7284.5	1308.3	507.2	479.4	386.0	328.0	299.0	288.9	286.4	286.4
67.5°	9004.0	6700.3	910.9	487.0	490.8	387.3	307.8	271.2	258.6	252.3	251.1
70°	7661.7	5442.5	633.3	466.8	478.1	384.8	286.4	248.5	232.1	223.3	222.0
72.5°	6053.1	4155.7	512.2	426.4	434.0	346.9	254.8	223.3	209.4	198.1	198.1
75°	3895.8	2535.8	427.7	379.7	354.5	270.0	220.8	199.3	185.5	174.1	174.1
77.5°	1310.8	941.2	331.8	321.7	264.9	203.1	185.5	171.6	160.2	150.1	148.9
80°	532.4	446.6	243.5	243.5	185.5	155.2	145.1	138.8	131.2	118.6	118.6
82.5°	309.1	271.2	170.3	147.6	123.6	107.2	100.9	94.6	94.6	85.8	85.8
85°	148.9	150.1	102.2	90.8	70.6	61.8	59.3	55.5	54.2	49.2	47.9
87.5°	80.7	82.0	51.7	40.4	27.8	24.0	20.2	18.9	17.7	16.4	16.4
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)