

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P528675

Luminaire Tested: **GLAN-SA3D-735-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528675  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3D-735-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12581 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

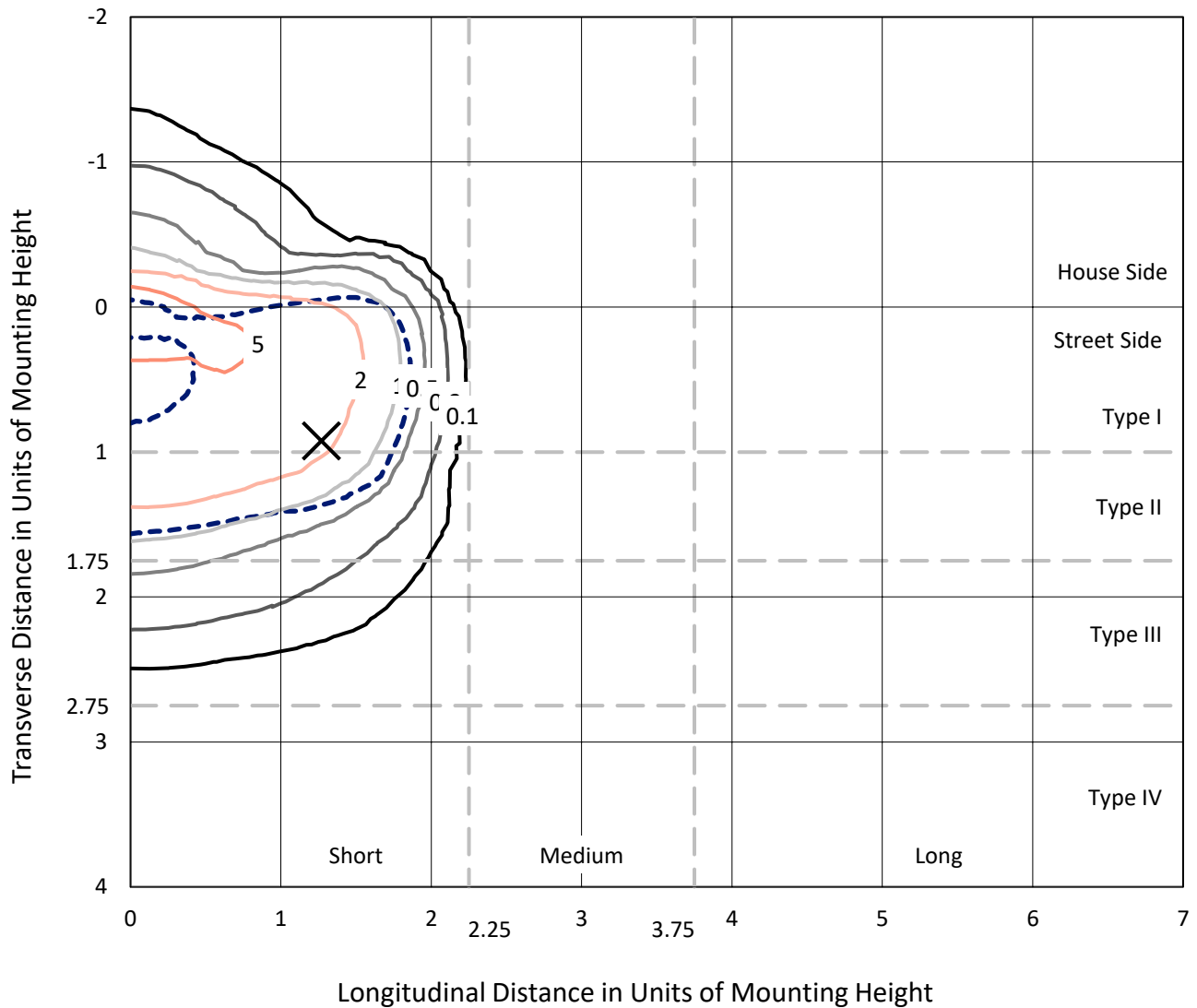
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P528675  
 CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

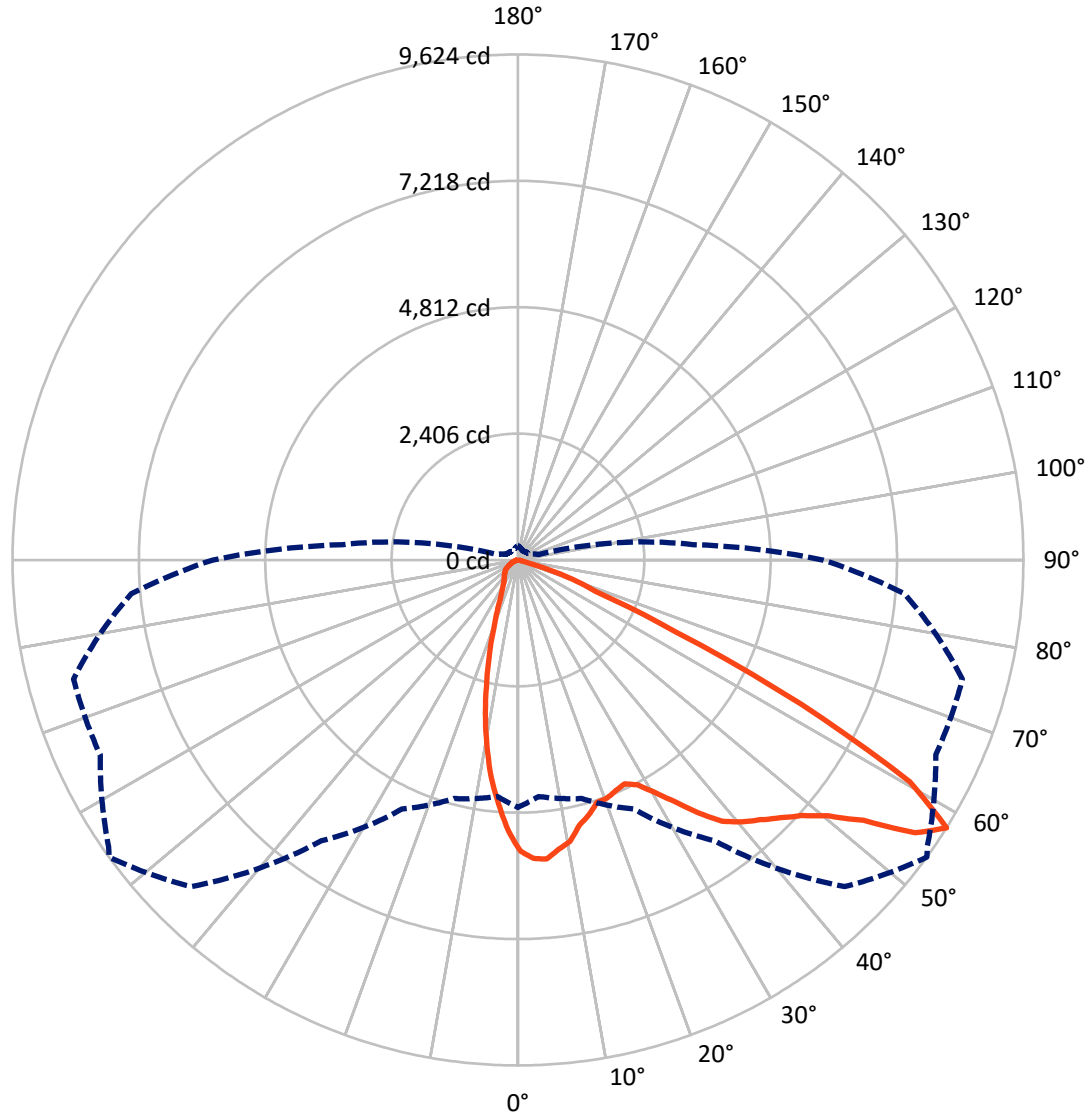
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P528675  
CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P528675  
 CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1777.9	0.0	1777.9
	% Fixture	14.1	0.0	14.1
<b>Street Side</b>	Lumens	10803.1	0.0	10803.1
	% Fixture	85.9	0.0	85.9
<b>Total</b>	Lumens	12581.0	0.0	12581.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	463.8	3.7
10°-20°	990.1	7.9
20°-30°	1312.1	10.4
30°-40°	1906.9	15.2
40°-50°	2827.7	22.5
50°-60°	3535.9	28.1
60°-70°	1394.8	11.1
70°-80°	138.9	1.1
80°-90°	10.8	0.1
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°	12581.0	100.0
0°-180°	12581.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P528675

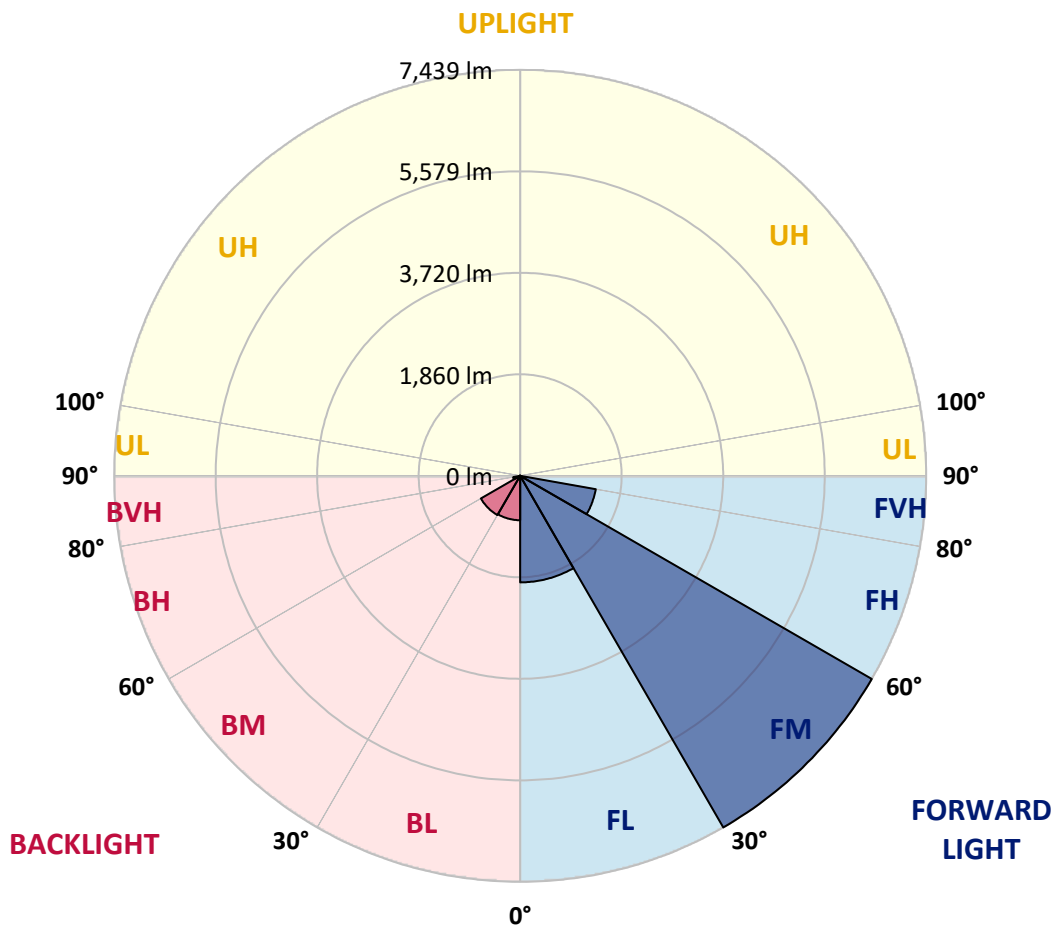
CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1952.9	15.5			
FM (30°-60°)	7439.1	59.1			
FH (60°-80°)	1406.1	11.2			G1/1800
FVH (80°-90°)	4.9	0.0			G0/10
BL (0°-30°)	813.1	6.5	B2/1000		
BM (30°-60°)	831.4	6.6	B1/1000		
BH (60°-80°)	127.5	1.0	B1/500		G1/500
BVH (80°-90°)	5.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





REPORT NUMBER: P528675

CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1
2.5°	5864.9	5804.1	5808.8	5787.7	5759.7	5780.7	5689.5	5710.5	5708.2	5584.2	5502.3
5°	5717.6	5783.1	5715.2	5771.4	5717.6	5776.0	5719.9	5677.8	5609.9	5518.7	5366.6
7.5°	5467.2	5404.1	5422.8	5493.0	5504.7	5635.7	5565.5	5619.3	5591.2	5411.1	5202.9
10°	4964.3	4950.2	5043.8	5137.4	5252.0	5392.4	5446.2	5415.8	5394.7	5326.9	5048.5
12.5°	4578.3	4618.0	4615.7	4770.1	4964.3	5043.8	5184.2	5179.5	5296.5	5170.1	4903.4
15°	4211.0	4232.0	4330.3	4426.2	4641.4	4868.3	5041.5	5064.9	5205.2	5116.3	4791.1
17.5°	3986.4	3956.0	4033.2	4147.8	4367.7	4664.8	4856.6	4912.8	5104.6	5085.9	4662.5
20°	3764.1	3764.1	3827.3	3963.0	4164.2	4498.7	4840.3	4823.9	5104.6	5050.8	4524.4
22.5°	3689.3	3726.7	3743.1	3846.0	4084.6	4372.4	4770.1	4800.5	5144.4	5034.4	4463.6
25°	3792.2	3743.1	3747.8	3829.6	4054.2	4311.6	4718.6	4786.5	5216.9	5116.3	4414.5
27.5°	3808.6	3857.7	3871.7	3927.9	4077.6	4330.3	4847.3	4985.3	5397.1	5308.2	4428.5
30°	3951.3	4000.4	3998.1	4094.0	4196.9	4482.3	5135.0	5163.1	5769.0	5549.1	4515.1
32.5°	4124.4	4175.9	4192.3	4304.5	4386.4	4760.7	5486.0	5558.5	6127.0	5928.1	4742.0
35°	4339.6	4320.9	4395.8	4508.1	4683.5	5167.8	5914.1	6035.7	6513.0	6419.4	4976.0
37.5°	4608.7	4585.3	4657.8	4840.3	5078.9	5649.7	6309.4	6389.0	6793.7	6875.6	5408.8
40°	4798.2	4807.5	5027.4	5273.1	5525.7	6108.2	6559.8	6637.0	6990.2	7301.3	5736.3
42.5°	5114.0	5172.5	5436.8	5736.3	6000.6	6452.1	6763.3	6838.1	7081.4	7642.9	6178.4
45°	5572.5	5546.8	5839.2	6173.7	6466.2	6810.1	7004.2	6978.5	7135.2	7982.1	6456.8
47.5°	6162.0	6166.7	6360.9	6646.3	6950.4	7121.2	7273.3	7182.0	7247.5	8340.1	6828.8
50°	6564.4	6599.5	6756.3	7048.7	7200.8	7462.8	7656.9	7600.8	7579.7	8555.3	7062.7
52.5°	6667.4	6772.6	6856.9	7221.8	7577.4	7991.5	8239.5	8358.8	7984.5	8627.8	7359.8
55°	5890.7	5984.3	6281.4	6782.0	7720.1	8829.0	9170.5	9172.9	8513.2	8950.6	7568.0
57.5°	4709.3	4519.8	4702.2	5233.3	6527.0	8793.9	9624.4	9514.4	8777.5	8761.1	7387.9
60°	3256.5	3209.7	3221.4	3431.9	4517.4	6994.9	8576.3	8719.0	8082.7	7593.8	5848.6
62.5°	2580.4	2540.6	2489.1	2465.8	2805.0	4358.4	6049.8	6250.9	5652.1	4924.5	3467.0
65°	2021.3	1997.9	2004.9	2098.5	2096.1	2472.8	3307.9	3226.1	2582.7	1909.0	1090.2
67.5°	1363.9	1399.0	1427.0	1710.1	1855.2	1721.8	1597.8	1551.0	839.9	353.3	241.0
70°	767.3	772.0	802.4	1069.1	1408.3	1335.8	1101.9	1101.9	418.8	128.7	138.0
72.5°	418.8	404.7	376.6	460.9	627.0	636.3	491.3	428.1	124.0	84.2	77.2
75°	203.5	201.2	173.1	142.7	135.7	112.3	86.6	79.5	56.1	53.8	46.8
77.5°	42.1	39.8	21.1	21.1	23.4	25.7	32.8	32.8	39.8	39.8	32.8
80°	0.0	0.0	2.3	9.4	16.4	23.4	28.1	28.1	32.8	32.8	25.7
82.5°	0.0	0.0	2.3	7.0	14.0	21.1	25.7	28.1	32.8	35.1	28.1
85°	0.0	0.0	0.0	4.7	11.7	16.4	14.0	14.0	11.7	9.4	4.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P528675  
 CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1	5542.1
2.5°	5460.2	5455.5	5347.9	5287.1	5177.1	5081.2	5004.0	4947.9	4947.9	4912.8	4880.0
5°	5305.8	5266.0	5036.8	4889.4	4681.2	4526.8	4421.5	4339.6	4211.0	4246.1	4108.0
7.5°	5114.0	5013.4	4709.3	4484.7	4196.9	3977.0	3752.4	3553.6	3361.8	3275.2	3322.0
10°	4908.1	4732.7	4323.3	3967.7	3609.7	3207.4	2945.3	2627.2	2430.7	2419.0	2367.5
12.5°	4690.5	4491.7	3993.4	3502.1	3031.9	2547.6	2147.6	1850.5	1717.1	1569.8	1597.8
15°	4526.8	4232.0	3626.1	3034.2	2409.6	1920.7	1518.3	1289.0	1162.7	1127.6	1115.9
17.5°	4349.0	4033.2	3251.8	2535.9	1890.3	1382.6	1092.5	982.6	933.4	933.4	926.4
20°	4164.2	3808.6	2879.8	2072.7	1417.7	1031.7	874.9	839.9	837.5	835.2	835.2
22.5°	4042.5	3551.2	2543.0	1647.0	1069.1	825.8	760.3	746.3	755.6	783.7	783.7
25°	3913.9	3303.3	2171.0	1270.3	828.2	708.8	671.4	680.8	704.2	729.9	720.5
27.5°	3782.9	3141.8	1820.1	996.6	678.4	619.9	605.9	627.0	652.7	676.1	669.1
30°	3752.4	2968.7	1487.9	755.6	582.5	540.4	549.8	568.5	594.2	603.6	612.9
32.5°	3799.2	2833.0	1218.8	619.9	507.7	496.0	496.0	505.3	521.7	542.7	535.7
35°	3932.6	2755.8	963.8	538.1	465.5	453.8	451.5	460.9	470.2	477.2	470.2
37.5°	4136.1	2695.0	788.4	477.2	437.5	418.8	414.1	411.7	421.1	423.4	428.1
40°	4395.8	2727.8	669.1	439.8	409.4	388.3	374.3	374.3	374.3	381.3	383.7
42.5°	4676.5	2772.2	577.8	418.8	383.7	357.9	343.9	339.2	343.9	353.3	350.9
45°	4971.3	2858.8	519.4	386.0	360.3	327.5	308.8	304.1	315.8	334.5	332.2
47.5°	5247.3	2982.8	474.9	365.0	336.9	306.5	283.1	278.4	299.4	325.2	327.5
50°	5523.4	3198.0	458.5	348.6	320.5	285.4	264.4	259.7	283.1	315.8	322.8
52.5°	5841.5	3429.6	446.8	327.5	301.8	269.0	245.6	241.0	266.7	308.8	311.1
55°	6049.8	3626.1	437.5	290.1	266.7	243.3	224.6	222.2	250.3	287.7	297.1
57.5°	5806.5	3352.4	404.7	252.7	226.9	215.2	198.9	198.9	222.2	257.3	264.4
60°	4402.8	2206.1	287.7	203.5	191.8	184.8	177.8	177.8	196.5	222.2	224.6
62.5°	2578.0	1188.4	184.8	163.8	163.8	156.7	145.0	145.0	163.8	177.8	180.1
65°	765.0	381.3	149.7	140.4	138.0	126.3	114.6	112.3	126.3	133.3	131.0
67.5°	219.9	175.5	124.0	117.0	114.6	95.9	88.9	86.6	88.9	84.2	81.9
70°	131.0	119.3	95.9	98.3	86.6	70.2	63.2	60.8	56.1	49.1	44.4
72.5°	72.5	72.5	70.2	74.9	60.8	46.8	39.8	32.8	25.7	21.1	18.7
75°	44.4	46.8	49.1	51.5	39.8	30.4	25.7	16.4	9.4	4.7	4.7
77.5°	30.4	32.8	35.1	37.4	32.8	28.1	21.1	11.7	2.3	0.0	0.0
80°	23.4	25.7	30.4	32.8	35.1	37.4	28.1	11.7	2.3	0.0	0.0
82.5°	25.7	28.1	35.1	32.8	32.8	32.8	25.7	11.7	2.3	0.0	0.0
85°	4.7	7.0	11.7	11.7	16.4	21.1	16.4	4.7	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)