

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: P528907

Luminaire Tested: **GLAN-SA4A-735-U-SL2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528907  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA4A-735-U-SL2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9837 lumens  
Efficiency: N/A  
Efficacy: 81.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

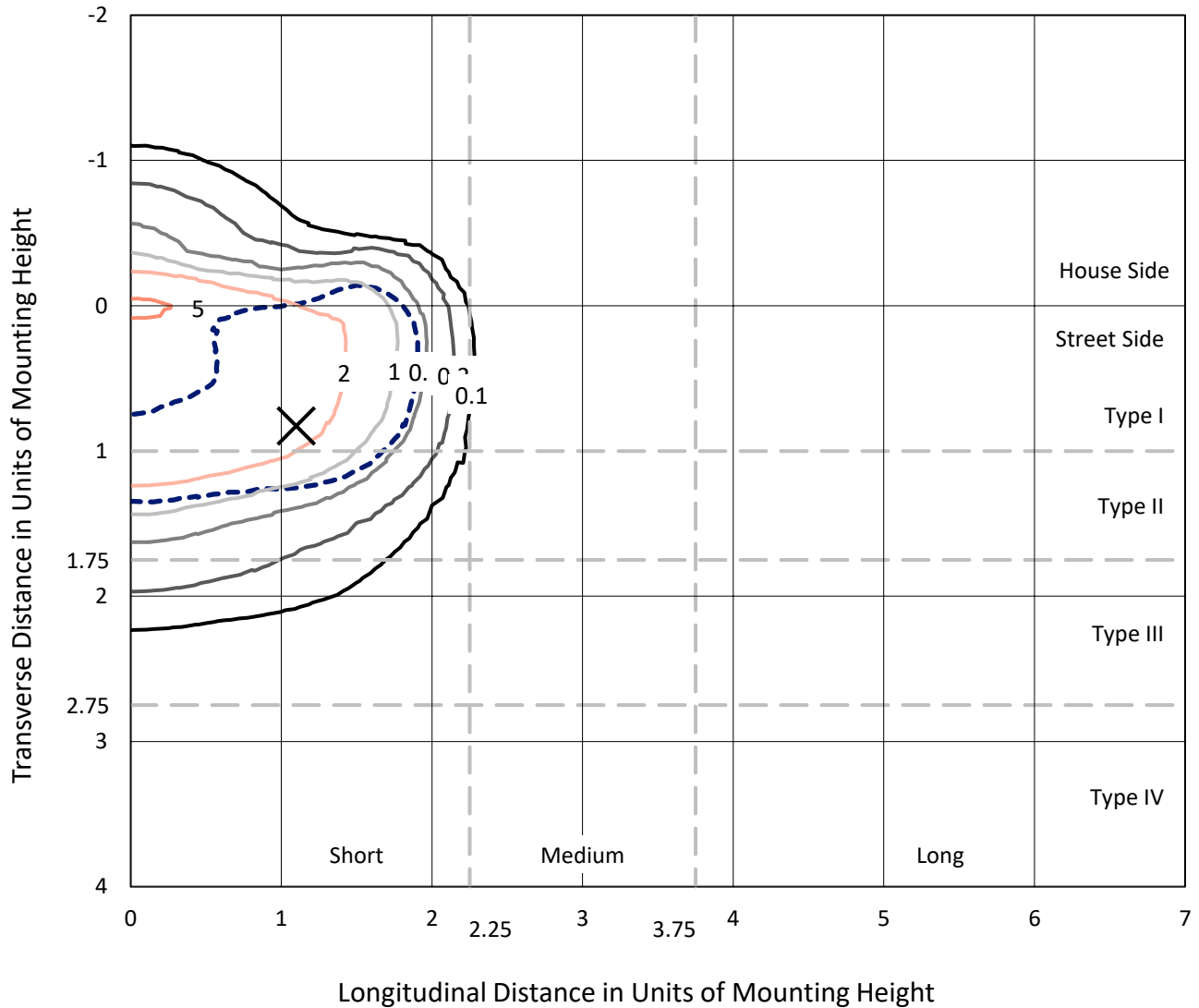
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

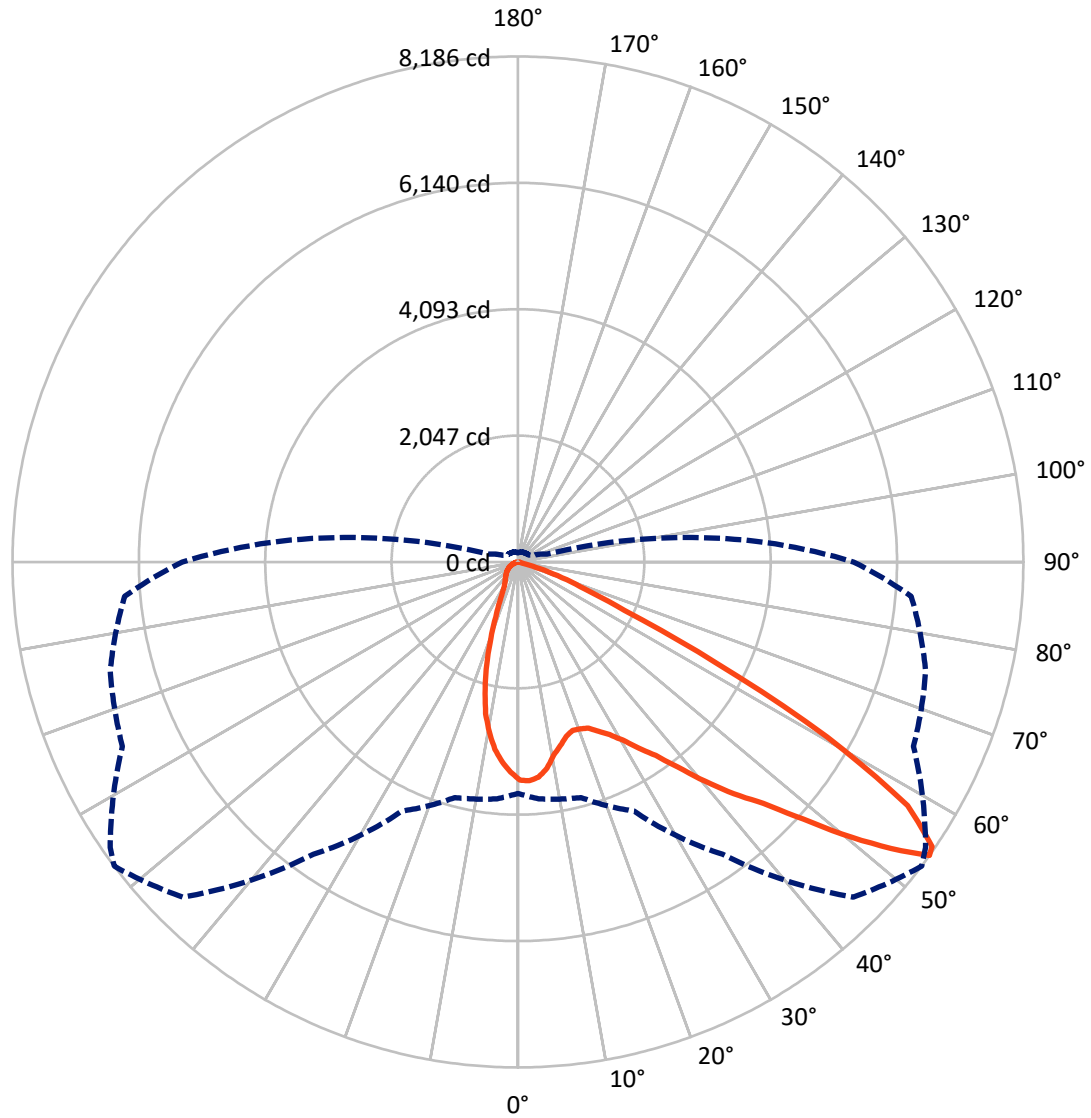
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1627.6	0.0	1627.6
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	8209.4	0.0	8209.4
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	9837.0	0.0	9837.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	303.1	3.1
10°-20°	695.0	7.1
20°-30°	987.8	10.0
30°-40°	1524.4	15.5
40°-50°	2390.1	24.3
50°-60°	2776.4	28.2
60°-70°	1049.1	10.7
70°-80°	99.8	1.0
80°-90°	11.2	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°	9837.0	100.0
0°-180°	9837.0	100.0

**Coefficient of Utilization**

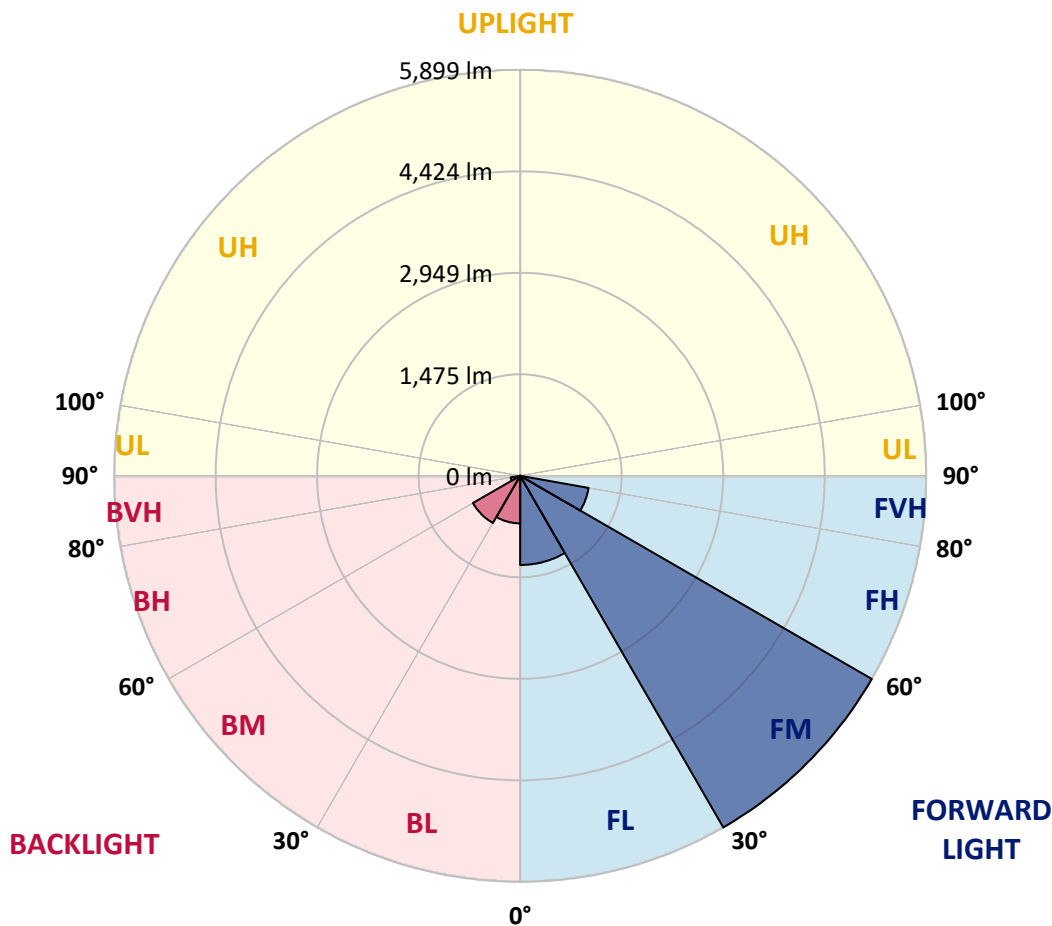


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1295.3	13.2			
FM (30°-60°)	5898.9	60.0			
FH (60°-80°)	1009.4	10.3			G1/1800
FVH (80°-90°)	5.8	0.1			G0/10
BL (0°-30°)	690.7	7.0	B2/1000		
BM (30°-60°)	792.0	8.1	B1/1000		
BH (60°-80°)	139.5	1.4	B1/500		G1/500
BVH (80°-90°)	5.4	0.1			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3
2.5°	3515.0	3483.8	3515.0	3518.6	3540.6	3560.8	3547.9	3577.3	3560.8	3542.4	3536.9
5°	3230.9	3273.1	3274.9	3340.9	3326.2	3447.2	3500.3	3485.6	3575.4	3569.9	3557.1
7.5°	2976.2	2959.7	2981.7	3058.6	3155.8	3295.0	3372.0	3370.2	3498.5	3590.1	3580.9
10°	2739.8	2737.9	2783.7	2844.2	2926.7	3073.3	3179.6	3232.7	3432.5	3571.8	3591.9
12.5°	2580.3	2573.0	2622.5	2672.0	2802.1	2915.7	3051.3	3077.0	3306.0	3507.6	3540.6
15°	2475.9	2492.4	2496.0	2591.3	2673.8	2824.1	2930.4	2983.5	3247.4	3456.3	3582.8
17.5°	2457.5	2479.5	2481.4	2560.2	2648.1	2774.6	2868.0	2939.5	3197.9	3482.0	3584.6
20°	2494.2	2481.4	2492.4	2541.8	2628.0	2748.9	2884.5	2908.4	3181.4	3494.8	3604.8
22.5°	2598.7	2595.0	2567.5	2607.8	2668.3	2794.7	2923.0	2959.7	3229.1	3560.8	3621.3
25°	2714.1	2734.3	2708.6	2703.1	2745.3	2869.9	3040.3	3088.0	3388.5	3679.9	3672.6
27.5°	2930.4	2910.2	2910.2	2884.5	2873.5	2934.0	3166.8	3245.6	3566.3	3833.8	3731.2
30°	3137.4	3159.4	3142.9	3152.1	3078.8	3073.3	3346.4	3443.5	3881.5	4068.4	3855.8
32.5°	3465.5	3436.2	3463.6	3439.8	3342.7	3243.7	3590.1	3690.9	4262.7	4337.8	4042.8
35°	3738.5	3725.7	3843.0	3839.3	3681.7	3584.6	3848.5	3998.8	4528.4	4660.3	4262.7
37.5°	4127.1	4103.2	4237.0	4301.2	4160.0	4015.3	4218.7	4392.8	4775.8	4918.7	4488.1
40°	4526.6	4587.0	4766.6	4872.9	4722.7	4530.2	4671.3	4724.5	4940.7	5087.3	4642.0
42.5°	5032.4	5120.3	5303.6	5395.2	5382.4	5173.5	5131.3	5129.5	5059.9	5039.7	4755.6
45°	5518.0	5485.0	5767.2	5967.0	6128.3	6067.8	5574.8	5519.8	5248.6	5111.2	4785.0
47.5°	5730.6	5719.6	5912.0	6267.5	6817.3	6892.5	6219.9	6007.3	5567.5	5411.7	4944.4
50°	5455.7	5512.5	5703.1	6097.1	6940.1	7513.7	7011.6	6725.7	5939.5	5778.2	5321.9
52.5°	4557.7	4596.2	4777.6	5277.9	6522.3	7880.3	7770.3	7605.4	6623.1	6355.5	5979.8
54°	3747.7	3850.3	3949.3	4451.4	5778.2	7676.8	8186.3	8059.8	7068.4	6835.7	6394.0
55°	3263.9	3324.4	3395.8	3896.1	5263.3	7332.3	8138.6	8149.6	7367.1	6985.9	6672.6
57.5°	2384.2	2426.4	2353.1	2574.8	3613.9	5954.2	7444.1	7741.0	7770.3	7211.3	6843.0
60°	1821.6	1839.9	1757.5	1792.3	2246.8	4086.7	5758.1	6115.4	7009.8	6302.4	5796.6
62.5°	1412.9	1416.6	1414.8	1475.3	1548.6	2404.4	3601.1	3918.1	4832.6	4475.2	3936.5
65°	1040.9	1024.4	1053.8	1237.0	1321.3	1511.9	1896.8	2127.7	2626.1	2217.5	1585.2
67.5°	674.4	679.9	709.2	920.0	1132.6	1160.0	1167.4	1149.1	1150.9	634.1	397.7
70°	405.0	414.2	405.0	520.5	810.0	832.0	760.5	742.2	579.1	150.3	148.4
72.5°	240.1	227.2	203.4	223.6	337.2	403.2	362.9	361.0	227.2	88.0	88.0
75°	100.8	91.6	75.1	67.8	89.8	86.1	86.1	77.0	60.5	58.6	55.0
77.5°	20.2	20.2	14.7	16.5	22.0	25.7	31.2	31.2	36.7	36.7	34.8
80°	0.0	1.8	5.5	11.0	16.5	23.8	27.5	27.5	31.2	31.2	25.7
82.5°	0.0	1.8	5.5	11.0	14.7	22.0	27.5	27.5	31.2	33.0	27.5
85°	0.0	1.8	5.5	9.2	14.7	18.3	18.3	16.5	12.8	11.0	7.3
87.5°	0.0	0.0	1.8	3.7	1.8	3.7	3.7	3.7	3.7	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3	3533.3
2.5°	3549.8	3547.9	3504.0	3432.5	3416.0	3355.5	3348.2	3311.5	3331.7	3263.9	3256.6
5°	3520.5	3498.5	3445.3	3399.5	3265.7	3170.4	3095.3	3003.7	2950.5	2959.7	2924.9
7.5°	3562.6	3505.8	3412.3	3252.9	3089.8	2923.0	2833.2	2646.3	2578.5	2477.7	2463.0
10°	3518.6	3476.5	3331.7	3067.8	2842.4	2602.3	2391.6	2184.5	2026.9	1959.1	1944.4
12.5°	3515.0	3441.7	3199.7	2906.5	2580.3	2235.8	1929.7	1671.3	1515.6	1427.6	1407.4
15°	3458.1	3370.2	3051.3	2657.3	2206.5	1777.6	1444.1	1194.9	1075.7	1024.4	1039.1
17.5°	3463.6	3331.7	2902.9	2393.4	1838.1	1304.8	985.9	857.7	826.5	839.3	839.3
20°	3458.1	3245.6	2723.3	2089.2	1407.4	905.3	723.9	678.1	698.2	738.5	729.4
22.5°	3428.8	3205.2	2558.3	1768.5	1035.4	670.7	580.9	582.8	613.9	663.4	674.4
25°	3450.8	3115.4	2349.4	1444.1	755.0	535.1	504.0	516.8	549.8	586.4	593.8
27.5°	3434.3	3051.3	2131.3	1121.6	551.6	460.0	458.2	472.8	487.5	515.0	515.0
30°	3452.6	2992.7	1916.9	833.8	454.5	421.5	414.2	425.2	439.8	445.3	443.5
32.5°	3520.5	2948.7	1669.5	623.1	401.3	384.8	384.8	384.8	383.0	390.3	392.2
35°	3668.9	2956.0	1451.4	482.0	366.5	353.7	348.2	340.9	337.2	340.9	342.7
37.5°	3830.2	2952.3	1226.0	410.5	340.9	329.9	317.0	306.0	304.2	307.9	302.4
40°	3901.6	2987.2	1017.1	368.4	317.0	304.2	284.1	274.9	276.7	280.4	276.7
42.5°	3998.8	2998.2	881.5	335.4	295.1	274.9	262.1	251.1	249.2	254.7	252.9
45°	3996.9	2935.9	738.5	317.0	274.9	252.9	236.4	227.2	227.2	230.9	232.7
47.5°	4114.2	2926.7	634.1	300.5	260.2	238.2	218.1	210.8	208.9	208.9	205.3
50°	4387.3	3055.0	553.5	282.2	241.9	221.7	205.3	196.1	188.8	185.1	183.3
52.5°	4920.6	3454.5	491.1	260.2	221.7	205.3	190.6	183.3	174.1	164.9	163.1
54°	5437.4	3866.8	487.5	241.9	205.3	194.3	181.4	177.8	166.8	153.9	150.3
55°	5670.1	4106.9	500.3	227.2	194.3	186.9	175.9	172.3	161.3	146.6	144.8
57.5°	5862.5	4200.4	493.0	188.8	175.9	174.1	164.9	159.4	146.6	126.5	122.8
60°	4719.0	3175.9	353.7	166.8	161.3	157.6	150.3	146.6	130.1	108.1	106.3
62.5°	2981.7	1827.1	225.4	146.6	141.1	135.6	126.5	122.8	108.1	86.1	80.6
65°	1270.0	756.9	152.1	130.1	121.0	111.8	104.5	99.0	86.1	64.1	62.3
67.5°	329.9	269.4	126.5	113.6	100.8	88.0	82.5	73.3	58.6	44.0	42.2
70°	148.4	135.6	106.3	95.3	80.6	67.8	60.5	51.3	38.5	29.3	27.5
72.5°	88.0	86.1	80.6	71.5	60.5	51.3	44.0	34.8	25.7	16.5	16.5
75°	55.0	53.1	55.0	49.5	42.2	38.5	33.0	23.8	14.7	7.3	7.3
77.5°	33.0	33.0	33.0	31.2	29.3	29.3	23.8	14.7	7.3	1.8	1.8
80°	25.7	25.7	27.5	25.7	25.7	25.7	20.2	11.0	3.7	0.0	0.0
82.5°	25.7	27.5	31.2	29.3	25.7	22.0	18.3	11.0	3.7	0.0	0.0
85°	7.3	5.5	9.2	12.8	18.3	16.5	12.8	9.2	3.7	0.0	0.0
87.5°	3.7	3.7	3.7	3.7	1.8	1.8	1.8	1.8	1.8	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)