

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: P323566

Luminaire Tested: **GAN-SA2C-750-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323566  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2C-750-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12364 lumens  
Efficiency: N/A  
Efficacy: 109.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

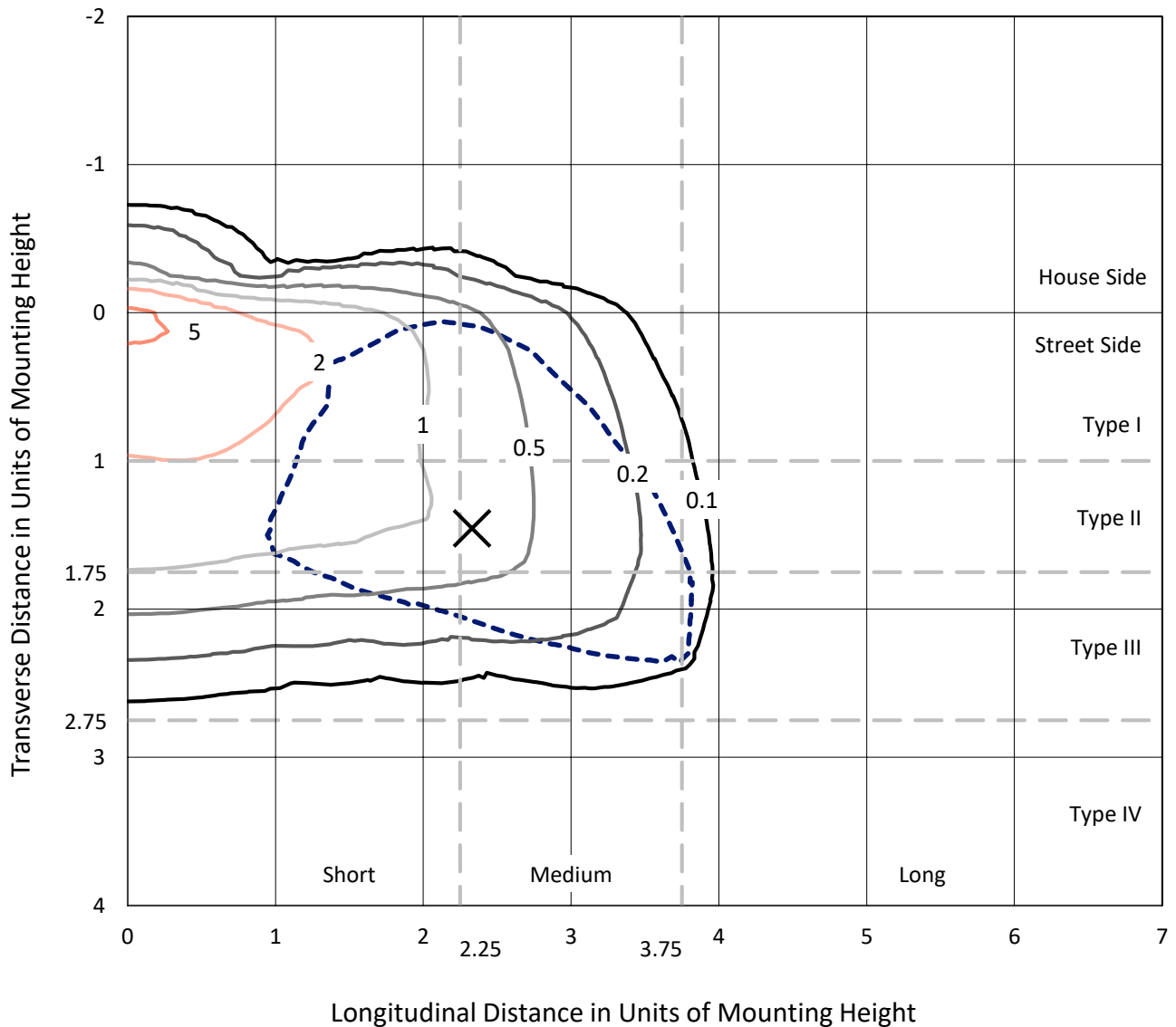
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

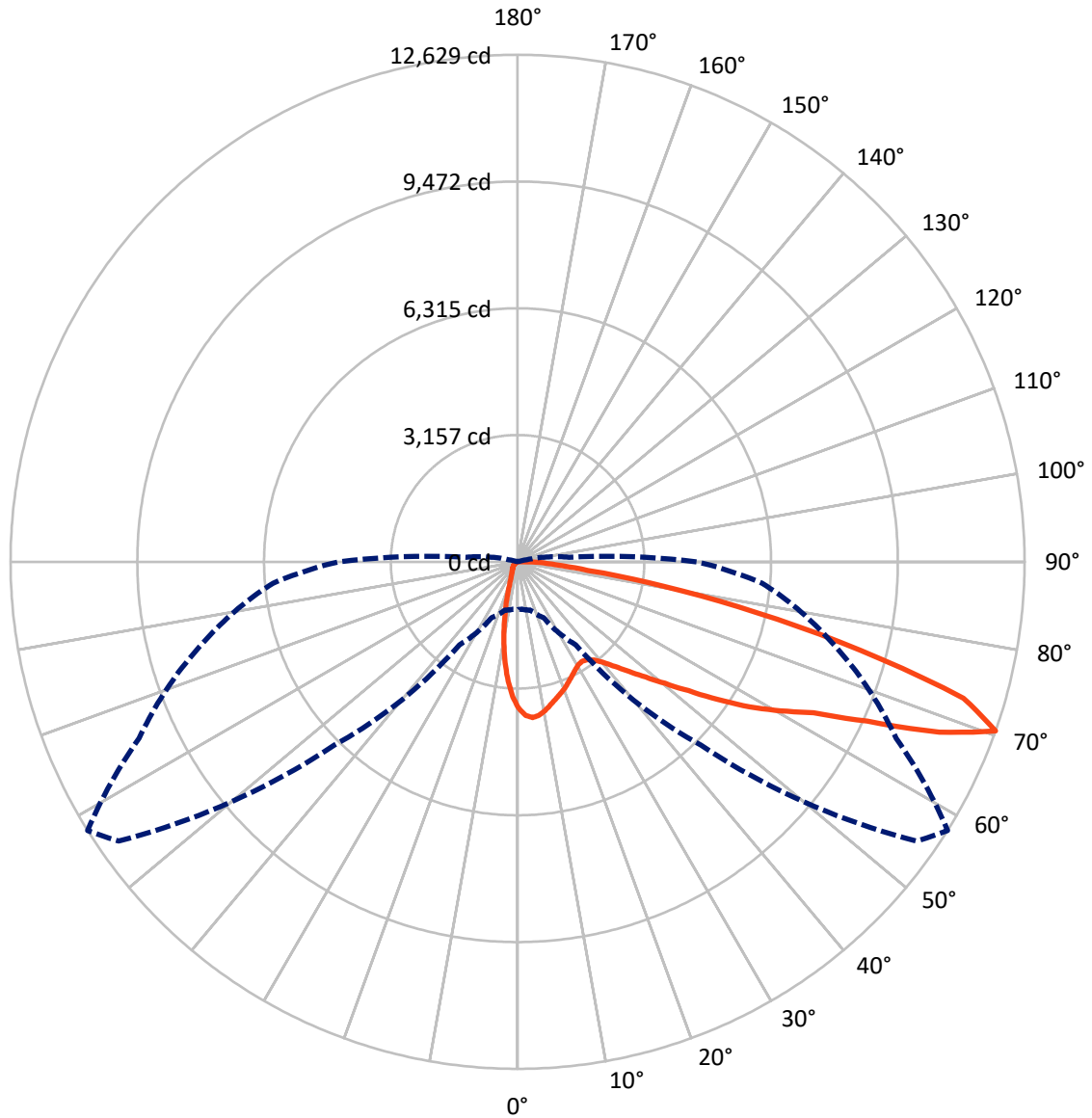
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1058.1	0.0	1058.1
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	11305.9	0.0	11305.9
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	12364.0	0.0	12364.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.7	2.4
10°-20°	626.8	5.1
20°-30°	824.1	6.7
30°-40°	1091.4	8.8
40°-50°	1631.3	13.2
50°-60°	2613.2	21.1
60°-70°	3293.9	26.6
70°-80°	1776.7	14.4
80°-90°	208.0	1.7
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°	12364.0	100.0
0°-180°	12364.0	100.0

**Coefficient of Utilization**

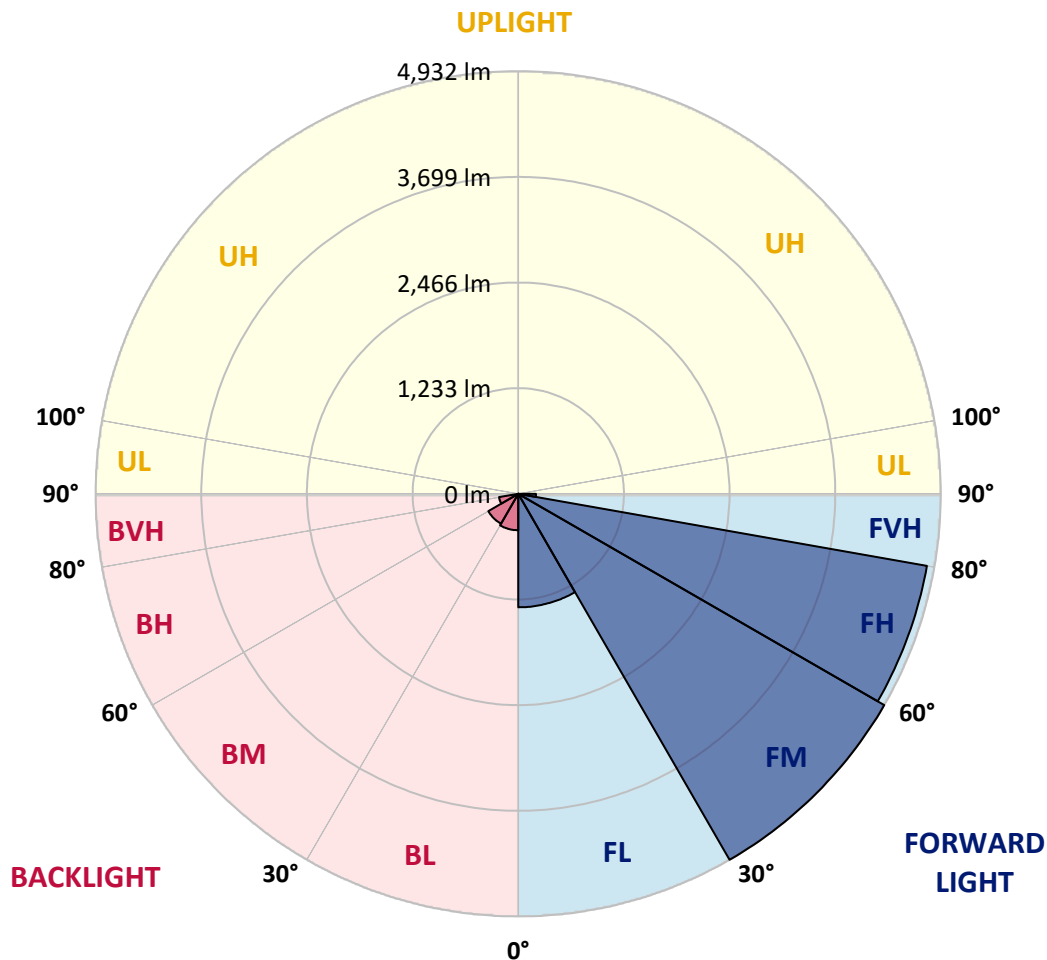


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1324.4	10.7			
FM (30°-60°)	4932.2	39.9			
FH (60°-80°)	4843.1	39.2			G2/5000
FVH (80°-90°)	206.2	1.7			G2/225
BL (0°-30°)	425.1	3.4	B1/500		
BM (30°-60°)	403.6	3.3	B1/1000		
BH (60°-80°)	227.5	1.8	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3
2.5°	3955.1	3945.3	3941.7	3935.5	3911.9	3888.8	3843.0	3830.2	3801.4	3733.0	3660.5
5°	3958.2	3957.7	3968.4	3965.9	3957.7	3946.9	3914.0	3897.0	3848.1	3750.5	3617.8
7.5°	3767.4	3777.2	3801.4	3820.9	3843.5	3872.8	3876.9	3860.5	3820.4	3715.0	3539.2
10°	3511.4	3526.8	3560.8	3599.3	3658.4	3717.0	3769.5	3767.4	3753.5	3649.7	3444.6
12.5°	3254.9	3272.9	3311.9	3369.0	3452.8	3548.4	3642.0	3654.8	3678.0	3591.1	3357.2
15°	3030.2	3045.6	3084.2	3154.1	3257.9	3386.5	3523.7	3547.4	3607.0	3545.3	3284.2
17.5°	2839.5	2849.2	2877.5	2955.1	3075.4	3231.2	3409.6	3455.9	3544.8	3509.3	3220.9
20°	2706.3	2707.8	2726.3	2780.8	2901.1	3075.4	3291.4	3357.7	3479.0	3478.5	3155.6
22.5°	2640.5	2635.3	2638.9	2670.3	2758.7	2926.9	3173.1	3251.8	3419.9	3452.3	3089.3
25°	2628.2	2624.0	2613.8	2617.9	2671.3	2796.8	3053.8	3144.8	3368.0	3436.3	3031.7
27.5°	2666.7	2670.8	2653.3	2634.8	2638.9	2712.5	2947.9	3053.3	3325.8	3436.3	2991.1
30°	2744.3	2746.4	2733.5	2709.4	2677.0	2688.8	2874.4	2979.8	3304.7	3460.0	2965.4
32.5°	2830.2	2841.5	2840.0	2820.4	2774.2	2726.3	2856.9	2953.1	3303.2	3512.4	2962.8
35°	2936.6	2949.5	2971.1	2967.0	2918.6	2840.0	2916.6	2992.1	3333.5	3598.8	2990.6
37.5°	3049.7	3069.3	3115.5	3137.6	3106.3	3017.3	3050.2	3104.2	3414.7	3738.6	3061.0
40°	3159.2	3181.3	3265.7	3352.5	3328.9	3237.4	3252.8	3296.0	3559.2	3939.7	3194.7
42.5°	3266.7	3299.6	3423.5	3566.4	3594.7	3521.7	3529.9	3564.4	3773.6	4216.3	3413.2
45°	3395.2	3432.2	3615.8	3792.1	3867.7	3835.8	3870.8	3893.4	4053.8	4581.8	3707.8
47.5°	3583.9	3626.6	3851.7	4052.8	4185.4	4206.0	4276.4	4291.3	4408.0	5007.5	4091.8
50°	3952.0	3963.8	4167.4	4349.9	4541.2	4664.6	4744.8	4756.1	4836.8	5472.7	4571.5
52.5°	4415.2	4422.9	4538.1	4660.4	4877.9	5129.8	5317.5	5333.4	5350.4	5926.2	5045.0
55°	4875.3	4874.3	4950.4	5022.4	5271.2	5637.3	6044.4	6054.2	5932.4	6356.5	5406.9
57.5°	5162.7	5190.5	5306.2	5398.7	5746.3	6215.6	6780.7	6816.6	6543.6	6675.3	5764.8
60°	5071.2	5084.6	5341.1	5683.5	6338.0	7037.7	7525.6	7534.9	7003.3	6993.5	6217.2
62.5°	4320.6	4327.8	4730.9	5436.8	6637.7	8104.0	8424.3	8273.6	7531.8	7435.1	6758.5
65°	2961.3	3008.1	3344.8	4217.3	6087.1	8772.8	9815.5	9566.1	8337.4	8071.6	7248.0
67.5°	1743.9	1734.1	1900.7	2543.3	4470.7	8328.6	11575.3	11327.5	9436.1	8497.8	7104.5
70°	1191.2	1184.5	1248.3	1539.8	2523.8	6460.9	12129.0	12629.2	10406.2	8210.9	6114.4
72.5°	850.3	853.9	948.0	1196.3	1584.5	3764.3	10430.3	11614.4	10102.3	7158.0	4647.6
75°	577.4	587.1	721.8	981.4	1389.1	1915.1	7401.7	8828.9	8226.3	5202.3	2671.3
77.5°	310.5	321.3	480.2	790.7	1256.0	1330.5	4761.2	6076.3	5167.4	2338.7	774.3
80°	129.6	135.7	224.7	574.8	1085.3	1168.6	2801.4	3684.7	2202.0	461.2	172.7
82.5°	56.0	59.1	93.6	342.9	811.3	986.6	1483.2	1772.7	667.3	101.3	86.9
85°	10.8	11.3	38.6	181.5	517.7	556.8	961.4	942.4	299.7	43.7	63.2
87.5°	0.0	0.0	9.3	57.1	152.2	303.3	586.6	579.4	101.8	21.1	23.6
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°	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3	3652.3
2.5°	3623.5	3588.0	3513.5	3421.4	3351.0	3273.4	3211.7	3133.5	3099.6	3101.1	3082.6
5°	3542.2	3469.2	3304.2	3096.0	2935.6	2770.0	2627.6	2485.7	2401.9	2374.7	2349.0
7.5°	3426.1	3310.4	3047.2	2726.3	2454.9	2189.6	1958.8	1755.7	1627.2	1564.4	1541.3
10°	3295.0	3132.5	2751.5	2328.9	1941.3	1582.4	1283.2	1023.1	919.2	848.8	830.8
12.5°	3179.8	2959.8	2462.6	1921.2	1461.1	1028.2	742.9	580.9	510.5	482.8	478.1
15°	3071.3	2798.3	2184.5	1552.1	1011.8	632.9	472.5	417.5	401.0	396.4	396.4
17.5°	2969.0	2644.6	1912.5	1188.6	669.4	443.7	391.2	378.9	373.8	373.2	373.8
20°	2862.1	2490.9	1645.2	870.9	467.3	375.8	361.4	354.7	353.2	353.2	353.2
22.5°	2759.8	2337.2	1385.0	622.1	374.8	342.9	335.7	331.1	329.5	329.0	328.0
25°	2661.6	2191.2	1131.1	439.6	329.0	314.1	308.0	301.8	297.2	294.6	293.0
27.5°	2580.9	2061.1	894.6	352.7	297.2	284.3	276.6	267.3	256.0	250.9	248.8
30°	2516.6	1942.3	689.4	297.7	267.3	254.5	242.7	226.7	210.3	201.5	201.0
32.5°	2466.2	1825.6	523.4	263.2	240.6	224.7	207.7	187.7	168.6	158.9	158.3
35°	2441.5	1722.8	400.0	238.0	217.0	196.9	175.8	153.7	135.2	126.0	124.9
37.5°	2458.0	1635.9	312.1	217.0	196.9	173.8	149.1	126.0	109.5	101.3	100.8
40°	2518.1	1580.4	253.5	199.0	179.9	151.7	124.9	103.3	89.5	82.8	82.3
42.5°	2646.1	1559.8	216.4	184.1	163.5	131.1	103.9	85.3	72.5	67.9	66.8
45°	2860.0	1590.2	191.3	169.7	146.5	111.6	85.9	69.9	58.6	55.0	54.5
47.5°	3144.8	1669.8	173.3	155.8	131.1	94.1	71.5	56.6	47.8	44.2	43.7
50°	3511.9	1796.3	158.3	141.9	116.7	79.7	59.1	44.7	37.0	34.4	34.4
52.5°	3911.4	1947.0	145.0	129.0	102.3	66.3	47.8	34.4	29.3	26.2	26.2
55°	4241.4	2078.6	130.6	119.3	84.8	55.0	36.5	26.2	21.6	20.1	20.1
57.5°	4571.0	2218.9	114.1	102.3	67.9	44.7	27.8	19.5	15.9	14.9	14.9
60°	4998.2	2390.6	98.2	83.3	53.5	33.9	20.6	13.9	11.8	11.3	11.3
62.5°	5468.1	2491.4	83.8	66.8	41.6	25.2	14.9	9.3	8.7	8.7	8.2
65°	5755.5	2349.0	70.4	53.5	32.4	19.0	9.8	6.7	7.7	7.2	6.2
67.5°	5388.9	1839.0	57.6	41.6	25.2	14.4	6.2	4.6	8.2	6.7	5.1
70°	4462.0	1287.3	44.7	29.3	20.1	12.3	4.1	3.1	8.7	6.7	4.1
72.5°	3339.2	861.7	35.5	19.5	14.9	10.8	3.6	1.5	7.7	5.7	3.6
75°	1824.6	347.0	28.3	12.3	9.3	7.7	2.6	1.0	5.1	4.1	2.6
77.5°	480.2	91.5	20.6	8.2	5.1	3.1	1.5	0.5	2.6	2.1	1.0
80°	122.4	35.5	13.4	5.7	3.6	1.5	0.0	0.0	0.5	0.0	0.0
82.5°	65.3	14.9	8.2	4.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	49.4	9.8	4.6	2.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.0	3.1	1.5	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)