

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: P319707

Luminaire Tested: **GAN-SA3A-750-U-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319707  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3A-750-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14228 lumens  
Efficiency: N/A  
Efficacy: 148.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

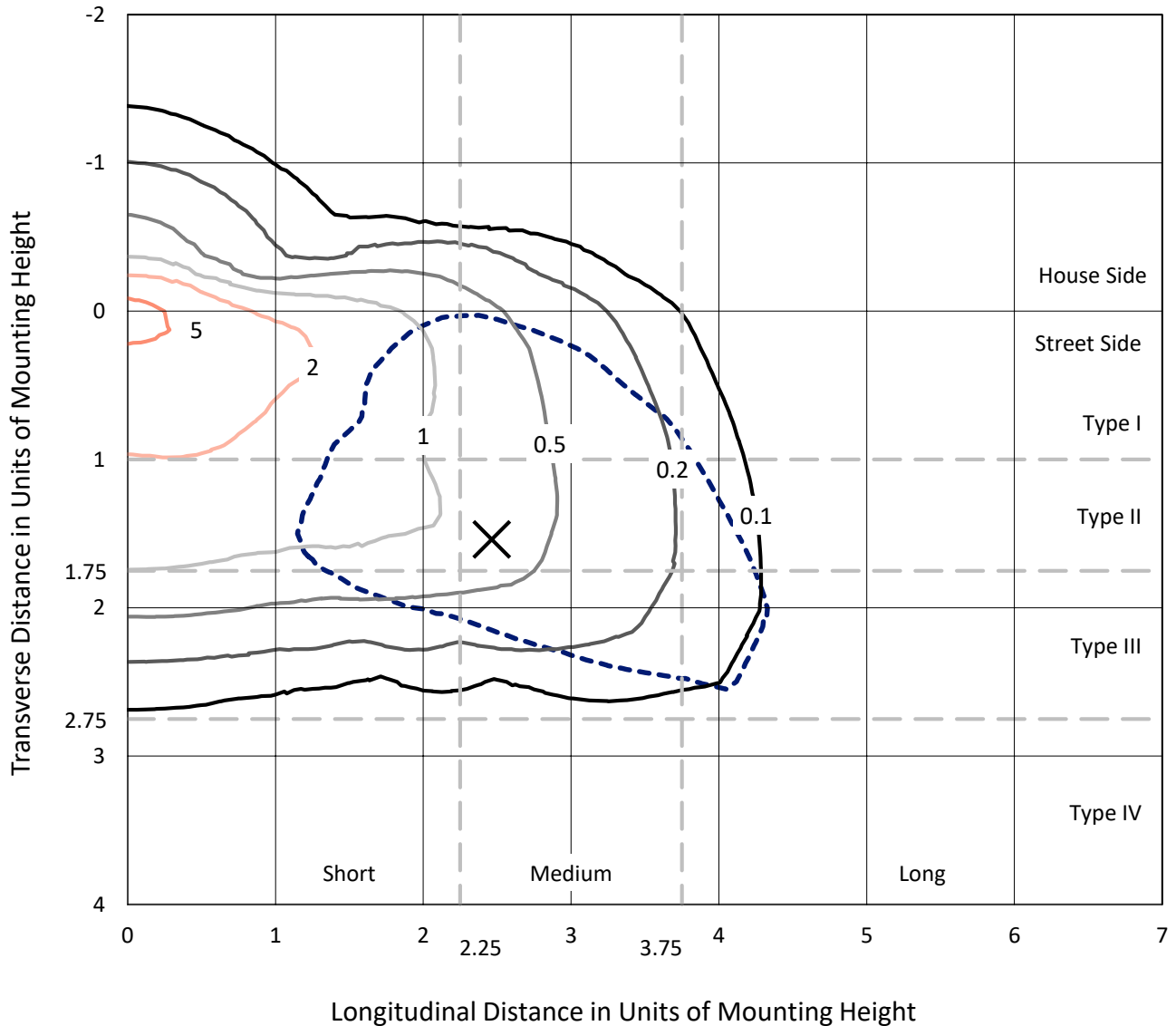
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

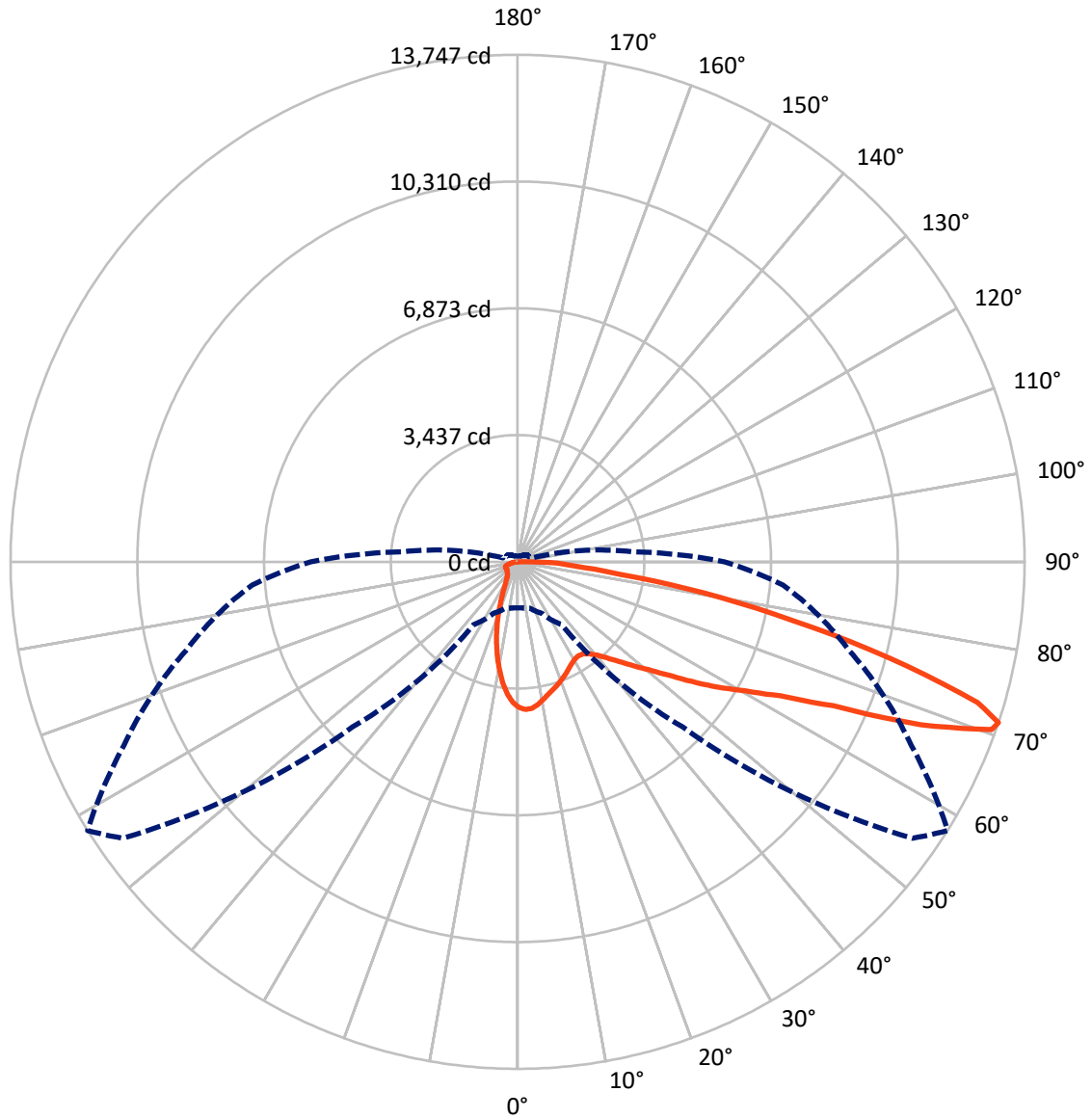
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2127.2	0.0	2127.2
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	12100.8	0.0	12100.8
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	14228.0	0.0	14228.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	340.1	2.4
10°-20°	756.2	5.3
20°-30°	961.1	6.8
30°-40°	1224.2	8.6
40°-50°	1736.0	12.2
50°-60°	2686.5	18.9
60°-70°	3657.4	25.7
70°-80°	2439.9	17.1
80°-90°	426.6	3.0
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°	14228.0	100.0
0°-180°	14228.0	100.0

**Coefficient of Utilization**

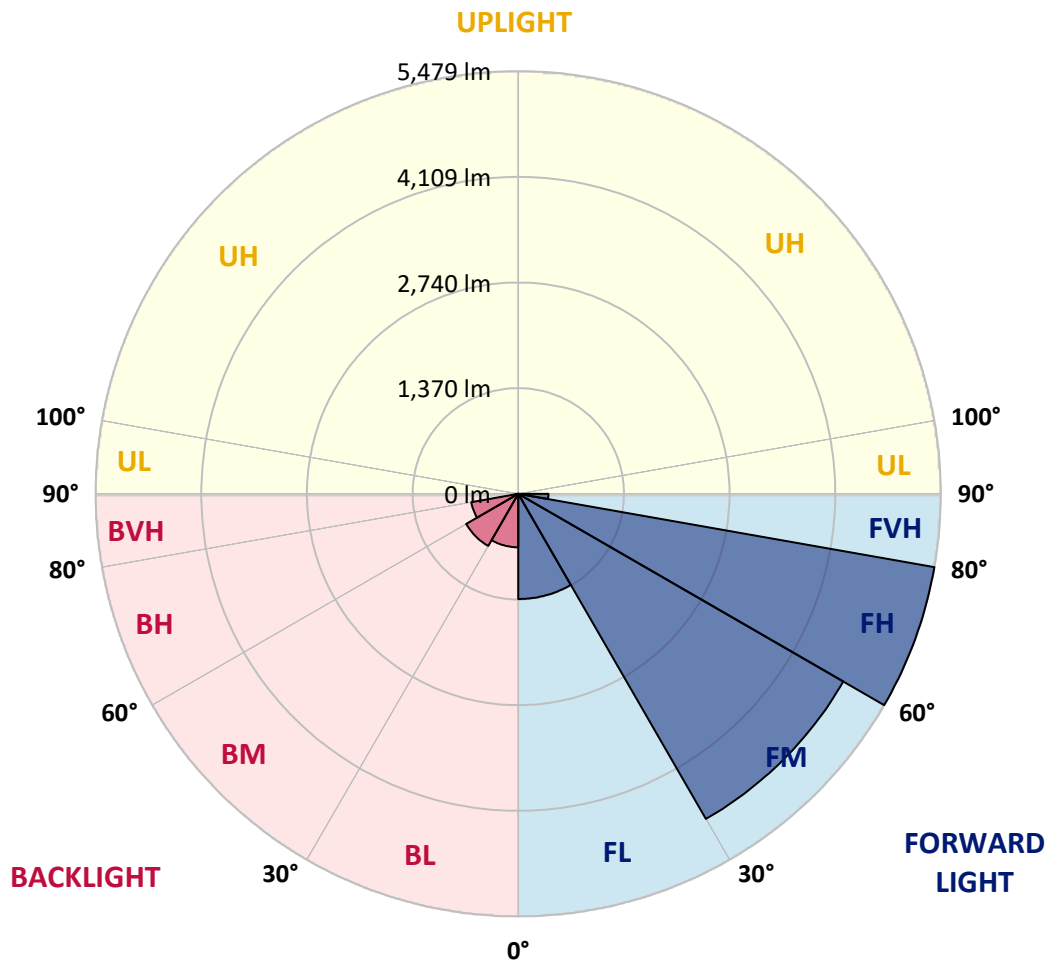


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1364.0	9.6			
FM (30°-60°)	4866.7	34.2			
FH (60°-80°)	5479.0	38.5			G3/7500
FVH (80°-90°)	391.1	2.7			G3/500
BL (0°-30°)	693.4	4.9	B2/1000		
BM (30°-60°)	780.1	5.5	B1/1000		
BH (60°-80°)	618.2	4.3	B2/1000		G2/1000
BVH (80°-90°)	35.4	0.2			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1
2.5°	4046.7	4041.2	4043.2	4039.2	4029.8	4020.4	4006.5	4009.0	3989.7	3960.9	3925.3
5°	3970.4	3968.4	3983.2	3991.7	3998.6	3993.2	3989.2	3994.1	3965.9	3926.2	3864.3
7.5°	3810.3	3788.5	3807.3	3835.6	3862.3	3882.6	3909.4	3912.9	3895.0	3853.4	3772.1
10°	3582.8	3562.0	3589.7	3633.8	3687.4	3735.9	3790.0	3799.9	3803.3	3765.7	3667.0
12.5°	3346.9	3331.0	3358.8	3420.7	3509.4	3584.3	3670.5	3685.4	3716.1	3690.8	3569.9
15°	3135.7	3129.8	3163.5	3224.5	3326.6	3441.0	3565.4	3592.7	3644.7	3636.3	3494.1
17.5°	2953.4	2951.9	2977.6	3041.6	3154.6	3299.3	3460.9	3507.0	3584.3	3594.2	3431.6
20°	2817.6	2814.6	2832.4	2879.5	2996.0	3160.0	3347.9	3411.3	3522.8	3557.5	3367.2
22.5°	2744.7	2744.2	2744.7	2767.0	2862.2	3014.8	3237.8	3315.2	3462.8	3528.3	3295.8
25°	2732.3	2730.8	2719.9	2717.4	2771.5	2893.4	3128.8	3214.1	3405.9	3508.0	3227.9
27.5°	2764.5	2766.5	2752.1	2728.8	2739.7	2813.6	3034.1	3125.3	3360.3	3504.0	3180.8
30°	2831.4	2830.4	2818.1	2793.8	2772.5	2783.9	2966.7	3057.9	3329.5	3521.3	3148.6
32.5°	2905.3	2910.7	2908.3	2894.9	2863.2	2817.6	2946.4	3035.6	3320.6	3563.0	3134.8
35°	2994.0	2999.9	3017.8	3028.2	2991.0	2917.7	2990.0	3067.3	3346.4	3641.3	3157.1
37.5°	3078.3	3093.6	3143.7	3187.8	3156.1	3074.3	3106.0	3161.0	3426.2	3764.7	3217.0
40°	3175.4	3188.8	3270.6	3364.2	3359.3	3274.5	3292.9	3329.5	3566.9	3941.6	3325.6
42.5°	3271.0	3297.8	3416.3	3549.1	3587.2	3512.4	3541.7	3561.0	3765.2	4176.0	3514.9
45°	3398.4	3427.2	3591.7	3751.8	3841.0	3798.9	3845.5	3852.9	4014.5	4495.2	3790.0
47.5°	3591.2	3623.9	3815.7	3983.7	4120.0	4124.5	4201.3	4198.3	4325.7	4860.5	4136.4
50°	3891.6	3938.6	4095.7	4252.9	4418.4	4510.6	4613.2	4598.8	4698.9	5249.5	4535.4
52.5°	4285.1	4306.9	4423.3	4539.3	4745.0	4951.7	5098.9	5086.0	5122.2	5649.5	4988.3
55°	4693.0	4709.3	4757.4	4820.8	5097.4	5434.4	5745.6	5725.3	5633.6	6064.8	5435.9
57.5°	5059.7	5092.9	5126.1	5152.4	5452.2	5938.9	6407.3	6408.8	6188.7	6512.9	5898.3
60°	5116.7	5146.0	5365.5	5572.7	6059.4	6612.0	7115.5	7100.6	6763.1	6999.0	6413.7
62.5°	4523.0	4588.9	4955.6	5506.8	6644.2	7843.1	8019.0	8000.7	7450.1	7598.2	7013.9
65°	3241.3	3316.1	3758.7	4586.9	6360.7	9199.6	9649.6	9402.8	8386.8	8335.2	7716.7
67.5°	1869.9	1887.8	2079.6	2744.7	4843.1	9270.4	12137.1	11791.6	9841.4	9171.3	8060.7
70°	1382.8	1382.3	1427.9	1689.0	2620.8	7566.0	13320.1	13629.9	11372.8	9446.4	7574.5
71°	1250.4	1251.9	1303.0	1537.4	2075.6	6332.9	13068.8	13746.8	11776.3	9310.6	7222.6
72.5°	1069.5	1074.5	1145.4	1378.8	1746.0	4367.3	11986.4	13045.0	11967.6	8975.6	6671.9
75°	811.3	822.7	920.8	1162.2	1595.9	2214.9	8797.1	10416.8	10631.4	7919.9	4957.6
77.5°	578.9	591.8	702.8	977.3	1517.1	1669.2	5891.4	7598.2	7823.7	5075.6	2236.2
80°	365.8	381.1	464.9	777.6	1425.4	1585.0	3702.2	5107.3	4266.2	1624.1	569.0
82.5°	214.6	226.5	288.4	508.0	1164.2	1526.5	2178.2	2830.9	1660.3	490.7	258.7
85°	124.4	129.9	179.9	323.6	845.5	1440.7	1600.3	1582.5	720.6	239.9	122.4
87.5°	58.0	64.4	106.6	169.0	469.3	1044.3	1264.8	1092.8	448.0	112.5	57.5
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°	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1	3942.1
2.5°	3907.9	3899.5	3864.3	3833.1	3800.4	3757.7	3710.7	3704.7	3676.0	3681.4	3671.5
5°	3830.6	3809.3	3724.5	3647.7	3557.0	3475.7	3387.5	3346.9	3288.4	3284.4	3269.6
7.5°	3720.1	3680.4	3549.1	3403.4	3257.7	3118.9	2981.6	2891.4	2799.2	2760.1	2756.6
10°	3595.7	3528.3	3335.0	3119.4	2909.2	2706.5	2510.3	2365.1	2234.2	2172.3	2169.8
12.5°	3477.7	3378.1	3112.9	2819.5	2532.1	2269.4	2000.3	1809.5	1645.4	1590.4	1567.1
15°	3377.6	3237.3	2896.9	2521.7	2172.8	1808.0	1501.7	1301.0	1149.3	1096.8	1086.9
17.5°	3280.5	3100.1	2675.3	2220.8	1799.1	1398.1	1091.3	942.2	861.4	840.1	839.6
20°	3183.8	2958.8	2443.9	1913.1	1437.8	1045.7	839.1	772.2	744.9	742.4	738.5
22.5°	3074.3	2809.1	2200.5	1604.3	1122.1	822.2	713.2	686.4	683.0	691.9	691.9
25°	2971.7	2660.5	1953.7	1302.0	872.8	685.9	636.9	631.4	640.8	656.7	658.2
27.5°	2876.0	2517.2	1712.8	1033.4	699.3	604.2	583.8	590.3	607.1	625.5	626.0
30°	2797.2	2381.9	1478.9	814.3	590.8	543.2	539.7	552.6	570.9	585.3	588.8
32.5°	2736.3	2266.4	1252.9	654.7	519.9	497.6	500.6	511.5	522.9	530.8	536.3
35°	2708.0	2167.3	1044.3	552.1	474.8	462.4	466.4	472.3	477.3	483.2	487.7
37.5°	2713.0	2090.5	857.9	488.2	444.6	438.1	438.1	438.1	438.1	441.1	441.6
40°	2759.1	2046.4	706.2	447.5	424.2	417.3	411.9	406.9	402.9	404.9	403.9
42.5°	2877.0	2042.4	595.2	421.8	407.9	396.5	385.6	378.6	373.7	375.7	376.7
45°	3077.3	2092.0	520.4	403.4	392.5	375.2	361.3	353.9	350.4	356.8	357.8
47.5°	3336.5	2200.0	474.8	390.0	378.2	355.4	340.5	333.5	334.5	344.0	346.4
50°	3670.5	2375.5	453.0	381.6	368.2	338.5	323.1	317.2	320.2	333.5	336.5
52.5°	4037.3	2628.2	455.5	379.1	361.8	326.1	309.8	302.8	307.8	320.2	322.6
55°	4460.5	2932.0	496.6	382.6	352.4	318.2	298.9	287.0	290.9	302.3	304.3
57.5°	4930.9	3280.0	579.4	381.6	340.5	310.7	287.5	269.6	272.6	279.5	281.5
60°	5420.5	3700.2	707.7	384.6	335.0	301.8	272.1	249.8	248.8	254.7	255.7
62.5°	6008.3	4186.4	854.4	386.6	338.5	290.4	251.8	230.0	227.0	228.5	229.5
65°	6614.0	4538.3	799.4	378.6	349.4	281.0	233.9	210.6	205.2	204.2	204.7
67.5°	6632.8	4161.2	560.5	362.8	353.9	276.1	220.5	194.3	185.4	181.9	181.4
70°	5948.3	3380.6	436.6	345.9	336.0	268.1	208.2	180.9	167.5	162.1	161.6
71°	5614.3	3112.0	413.8	337.5	322.6	260.2	202.7	175.0	161.1	155.1	154.1
72.5°	5090.4	2789.8	386.1	324.1	296.9	239.9	192.3	166.5	152.2	145.2	143.7
75°	3653.2	1824.4	331.6	288.9	245.8	191.3	168.5	149.7	137.3	128.9	127.9
77.5°	1407.5	726.1	250.8	240.4	188.3	149.7	138.8	129.4	120.4	112.0	111.5
80°	435.1	324.6	182.9	180.9	136.3	111.5	108.0	105.6	102.1	93.2	91.2
82.5°	232.4	186.4	125.9	117.0	89.2	74.3	78.3	79.3	79.8	70.4	69.4
85°	111.0	98.6	70.9	66.4	52.0	41.6	48.1	52.0	52.5	43.1	40.1
87.5°	53.0	51.5	33.2	25.3	19.3	13.9	16.9	20.8	22.8	16.4	14.4
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)