

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: P321570

Luminaire Tested: **GAN-SA6C-730-U-T3R-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P321570  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6C-730-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29629 lumens  
Efficiency: N/A  
Efficacy: 89.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

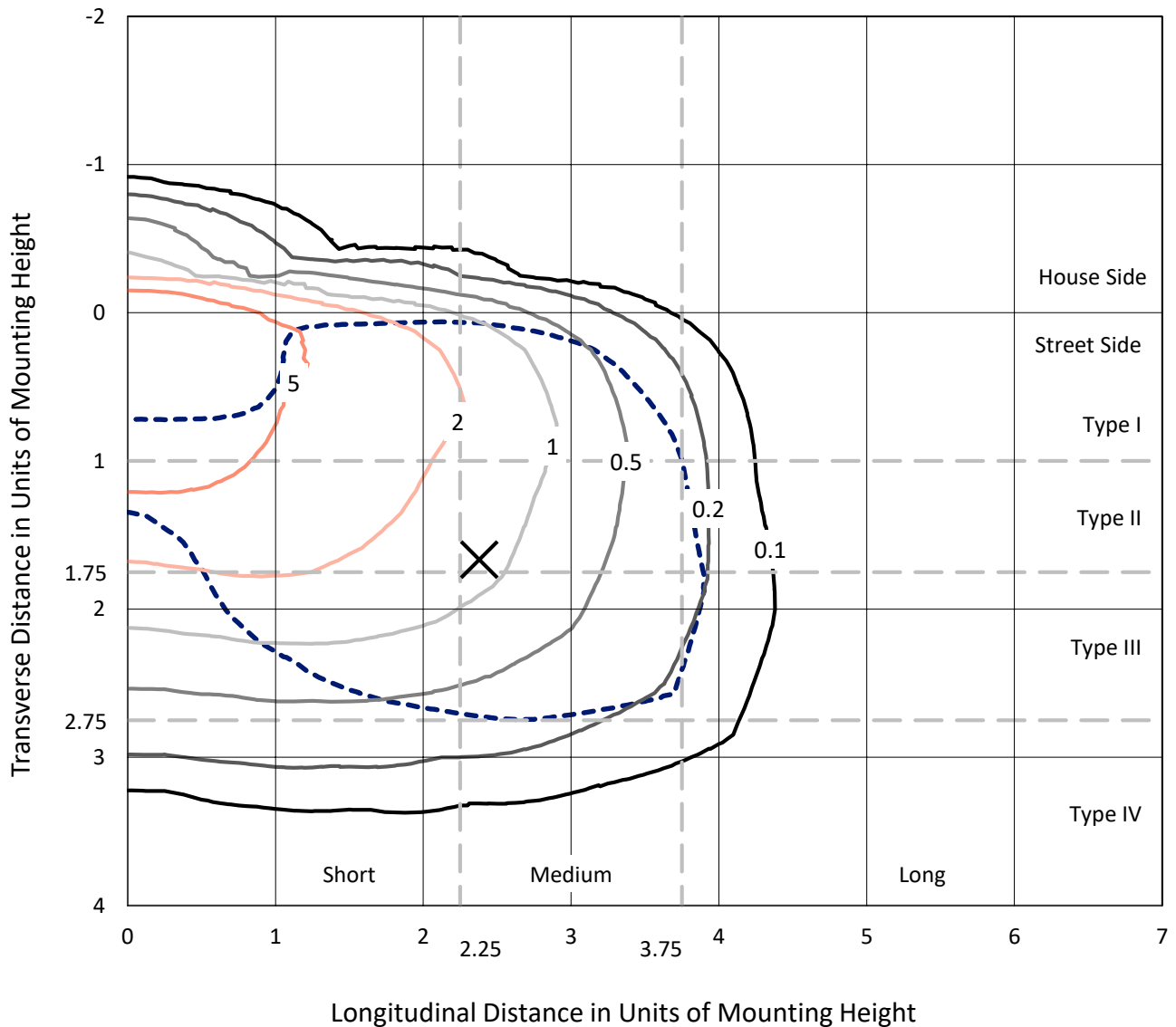
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

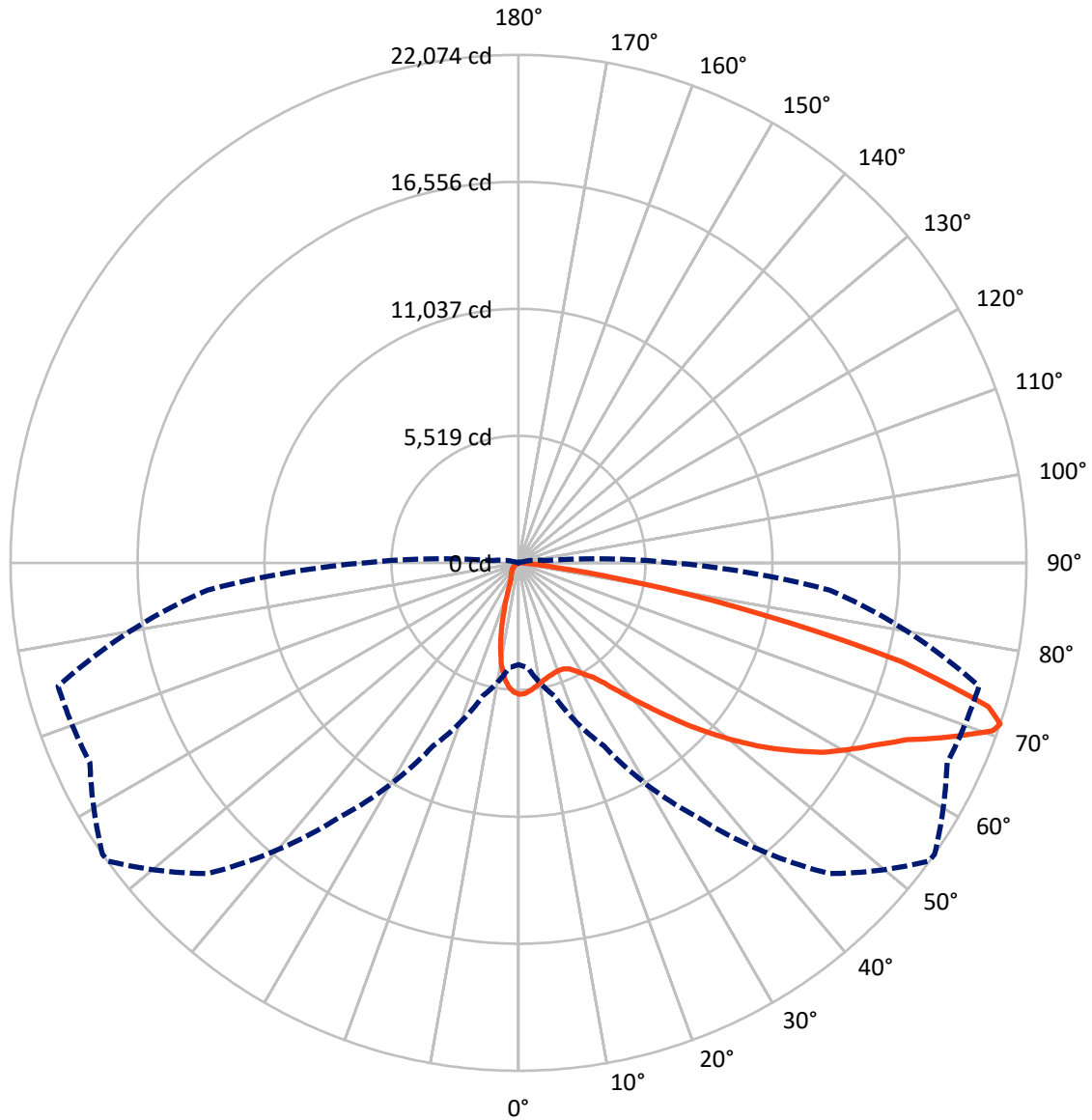
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 71-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2345.8	0.0	2345.8
	% Fixture	7.9	0.0	7.9
<b>Street Side</b>	Lumens	27283.2	0.0	27283.2
	% Fixture	92.1	0.0	92.1
<b>Total</b>	Lumens	29629.0	0.0	29629.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	487.2	1.6
10°-20°	1099.9	3.7
20°-30°	1767.6	6.0
30°-40°	3003.2	10.1
40°-50°	4661.3	15.7
50°-60°	6267.0	21.2
60°-70°	7666.6	25.9
70°-80°	4482.5	15.1
80°-90°	193.8	0.7
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°	29629.0	100.0
0°-180°	29629.0	100.0

**Coefficient of Utilization**

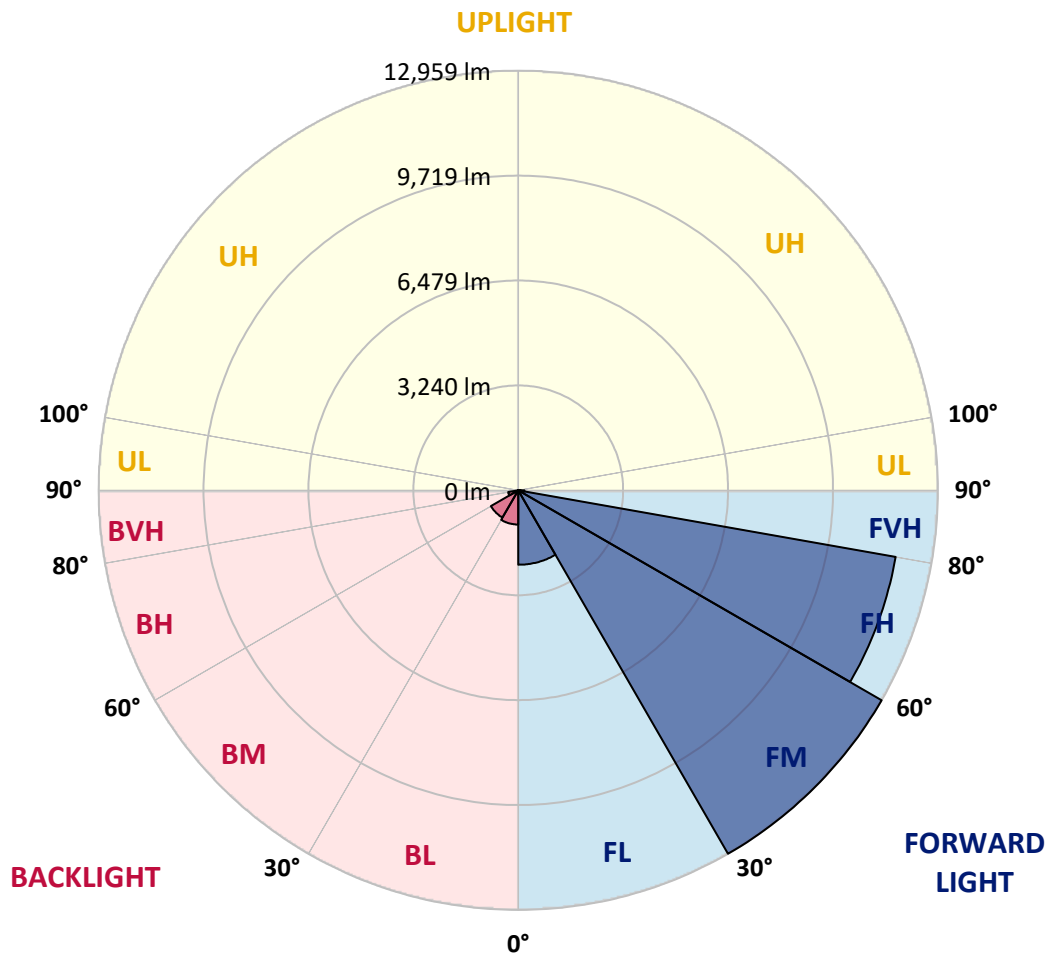


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2298.8	7.8			
FM (30°-60°)	12958.9	43.7			
FH (60°-80°)	11834.8	39.9			G4/12000
FVH (80°-90°)	190.7	0.6			G2/225
BL (0°-30°)	1055.9	3.6	B3/2500		
BM (30°-60°)	972.6	3.3	B1/1000		
BH (60°-80°)	314.3	1.1	B1/500		G1/500
BVH (80°-90°)	3.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1
2.5°	5546.4	5553.1	5577.0	5587.7	5612.9	5655.5	5676.8	5678.1	5712.7	5726.0	5736.7
5°	5154.0	5193.9	5233.8	5276.4	5353.5	5456.0	5557.1	5566.4	5678.1	5760.6	5804.5
7.5°	4816.0	4852.0	4899.9	4967.7	5076.8	5237.8	5406.7	5426.7	5638.2	5825.8	5924.3
10°	4468.8	4498.1	4567.3	4667.0	4817.4	5032.9	5260.4	5293.7	5602.3	5913.6	6086.6
12.5°	4097.6	4114.9	4198.7	4342.4	4563.3	4837.3	5136.7	5180.6	5579.7	6014.7	6278.1
15°	3815.6	3823.6	3903.4	4052.4	4305.2	4661.7	5040.9	5094.1	5585.0	6135.8	6487.0
17.5°	3743.7	3747.7	3790.3	3892.7	4116.3	4504.7	4965.0	5030.2	5601.0	6254.2	6697.2
20°	4035.1	4007.2	3963.3	3947.3	4043.1	4410.3	4919.8	4993.0	5622.3	6359.3	6886.1
22.5°	4834.7	4752.2	4569.9	4326.5	4178.8	4416.9	4931.8	5005.0	5690.1	6488.4	7104.3
25°	6021.4	5907.0	5597.0	5118.0	4657.7	4608.5	5031.6	5106.1	5821.8	6642.7	7313.2
27.5°	7371.7	7258.7	6879.5	6195.7	5410.7	4987.7	5260.4	5329.6	6017.4	6779.7	7472.8
30°	8664.9	8633.0	8185.9	7409.0	6358.0	5602.3	5555.7	5614.3	6162.4	6862.2	7599.2
32.5°	9761.1	9710.6	9351.4	8595.7	7442.2	6340.7	5903.0	5920.3	6271.5	6968.6	7764.2
35°	10777.6	10715.0	10399.7	9685.3	8554.5	7242.7	6437.8	6412.5	6509.6	7182.8	8003.7
37.5°	11664.9	11722.1	11372.2	10692.4	9552.3	8180.6	7158.9	7083.0	6882.1	7531.4	8350.9
40°	12407.3	12407.3	12225.0	11658.3	10629.9	9150.5	7974.4	7874.6	7442.2	8068.9	8791.3
42.5°	12674.7	12731.9	12799.8	12479.1	11594.4	10158.9	8883.1	8779.3	8231.2	8831.2	9347.4
45°	12690.7	12781.1	13128.4	13127.0	12465.8	11160.7	9907.5	9858.2	9242.3	9810.4	10036.5
47.5°	12465.8	12578.9	13151.0	13475.6	13156.3	12093.3	11027.7	10966.5	10430.3	11010.4	10757.6
50°	12118.6	12243.7	12908.9	13612.6	13625.9	12904.9	12207.7	12115.9	11738.1	12382.0	11502.6
52.5°	11497.3	11739.4	12692.0	13644.6	13934.6	13606.0	13330.6	13290.7	13201.5	13703.1	12096.0
55°	10168.2	10437.0	12147.9	13655.2	14220.6	14227.3	14382.9	14393.6	14573.2	14937.7	12537.7
57.5°	9540.3	9691.9	11198.0	13705.8	14645.0	14932.4	15455.2	15537.7	15815.8	16109.8	13041.9
60°	9145.2	9324.8	10729.7	13636.6	15311.5	15857.0	16449.0	16477.0	16775.0	17319.1	13724.4
62.5°	8829.9	9006.8	10434.3	13370.5	16060.6	16969.2	17420.2	17422.9	17646.4	18759.9	14500.0
65°	8051.6	8200.6	9837.0	13071.2	16555.5	18069.5	18548.4	18531.1	18713.4	20279.3	15400.7
67.5°	6926.1	7040.5	8617.0	11936.3	16369.2	19069.9	20251.3	20194.1	19973.3	21592.4	15754.6
70°	5354.9	5396.1	6791.7	9947.4	14623.7	19454.4	21897.0	21867.8	20746.2	21356.9	14457.4
71°	4426.2	4561.9	5985.5	8779.3	13454.3	19099.2	22056.7	22074.0	20552.0	20715.6	13564.7
72.5°	2570.3	2686.1	4338.4	6742.5	11422.8	17617.1	21229.2	21354.2	19644.7	18842.4	11586.4
75°	550.8	589.4	1608.5	3263.5	6283.5	12347.4	16756.4	17202.0	16011.3	12818.4	6983.3
77.5°	383.2	413.8	689.1	1480.7	2076.8	6101.2	10409.0	10911.9	9565.6	4817.4	2235.1
80°	303.3	337.9	537.5	731.7	561.4	1967.7	4875.9	5183.2	3190.3	1075.0	376.5
82.5°	169.0	200.9	419.1	395.1	215.5	373.8	1365.0	1543.3	638.6	216.9	89.1
85°	49.2	59.9	270.1	287.4	91.8	71.8	232.8	288.7	121.1	57.2	39.9
87.5°	0.0	0.0	130.4	110.4	26.6	10.6	21.3	23.9	23.9	23.9	26.6
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°	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1	5714.1
2.5°	5736.7	5746.0	5712.7	5668.8	5622.3	5565.1	5505.2	5458.6	5457.3	5434.7	5412.1
5°	5807.2	5801.9	5710.1	5570.4	5405.4	5233.8	5070.1	4885.2	4824.0	4748.2	4722.9
7.5°	5937.6	5900.3	5706.1	5400.1	5038.2	4679.0	4307.8	3934.0	3774.3	3630.7	3605.4
10°	6101.2	6030.7	5680.8	5144.6	4480.8	3818.2	3258.1	2749.9	2526.4	2354.8	2346.8
12.5°	6271.5	6163.7	5610.3	4758.8	3750.4	2819.1	2173.9	1673.6	1487.4	1367.6	1378.3
15°	6449.8	6288.8	5458.6	4238.6	2918.9	1913.1	1335.7	1041.7	967.2	936.6	944.6
17.5°	6632.0	6375.3	5247.1	3612.0	2098.0	1234.6	924.6	842.1	842.1	848.8	851.5
20°	6790.4	6421.8	4935.8	2909.6	1422.2	899.3	808.9	796.9	803.6	814.2	815.5
22.5°	6947.3	6424.5	4530.0	2197.8	995.1	787.6	770.3	765.0	769.0	780.9	782.3
25°	7075.1	6392.6	4021.8	1563.2	794.2	742.4	734.4	731.7	734.4	749.0	749.0
27.5°	7126.9	6276.8	3401.8	1098.9	711.8	691.8	689.1	691.8	695.8	706.4	707.8
30°	7132.3	6074.6	2726.0	795.6	645.2	624.0	629.3	638.6	634.6	631.9	634.6
32.5°	7145.6	5840.4	2067.4	654.6	589.4	556.1	549.5	549.5	533.5	524.2	518.9
35°	7189.5	5565.1	1499.4	588.0	532.2	493.6	468.3	439.0	408.4	392.5	388.5
37.5°	7258.7	5276.4	1073.6	544.1	481.6	437.7	389.8	337.9	294.0	282.0	282.0
40°	7385.0	4978.3	794.2	509.5	441.7	387.1	315.3	247.5	207.5	200.9	200.9
42.5°	7584.6	4664.4	633.3	478.9	407.1	335.3	240.8	179.6	150.3	146.3	145.0
45°	7792.1	4318.5	553.4	449.7	369.9	275.4	178.3	133.0	115.7	111.8	111.8
47.5°	7999.7	3950.0	514.9	421.7	333.9	214.2	133.0	105.1	97.1	97.1	98.4
50°	8175.3	3565.5	486.9	391.1	287.4	162.3	105.1	89.1	86.5	91.8	93.1
52.5°	8219.2	3187.6	452.3	352.6	230.2	123.7	86.5	78.5	78.5	78.5	78.5
55°	8192.6	2894.9	407.1	304.7	170.3	98.4	74.5	69.2	67.9	67.9	67.9
57.5°	8283.1	2722.0	325.9	236.8	122.4	79.8	65.2	61.2	58.5	57.2	57.2
60°	8465.3	2608.9	232.8	170.3	91.8	66.5	55.9	51.9	47.9	45.2	45.2
62.5°	8707.5	2510.5	173.0	126.4	70.5	53.2	46.6	42.6	37.3	34.6	34.6
65°	8893.7	2334.8	131.7	94.5	53.2	42.6	35.9	34.6	26.6	23.9	22.6
67.5°	8609.0	1949.0	106.4	69.2	39.9	33.3	27.9	26.6	16.0	13.3	13.3
70°	7383.7	1357.0	85.1	50.6	29.3	26.6	22.6	17.3	12.0	10.6	10.6
71°	6695.9	1133.5	77.2	42.6	25.3	25.3	21.3	14.6	10.6	9.3	9.3
72.5°	5562.4	804.9	65.2	33.3	22.6	26.6	22.6	13.3	10.6	9.3	8.0
75°	3228.9	336.6	45.2	22.6	17.3	31.9	29.3	12.0	8.0	6.7	6.7
77.5°	971.2	123.7	25.3	14.6	13.3	27.9	33.3	10.6	4.0	1.3	1.3
80°	176.9	53.2	16.0	9.3	9.3	17.3	25.3	5.3	0.0	0.0	0.0
82.5°	62.5	26.6	9.3	5.3	4.0	8.0	12.0	0.0	0.0	0.0	0.0
85°	35.9	18.6	5.3	2.7	0.0	1.3	2.7	0.0	0.0	0.0	0.0
87.5°	23.9	5.3	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)