

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: P321550

Luminaire Tested: **GAN-SA6A-730-U-T3R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321550
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-SA6A-730-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA 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: 19522 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

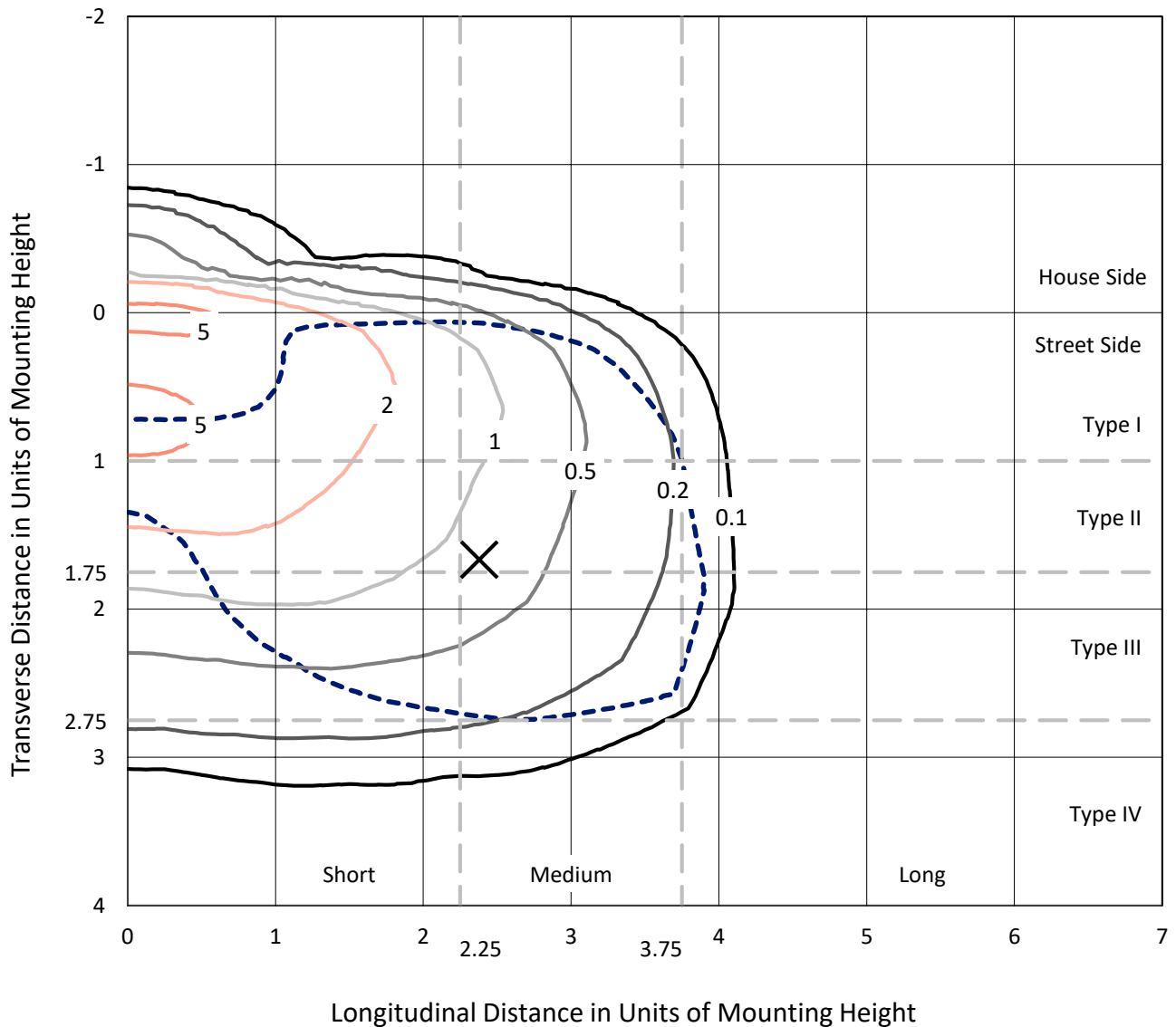
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

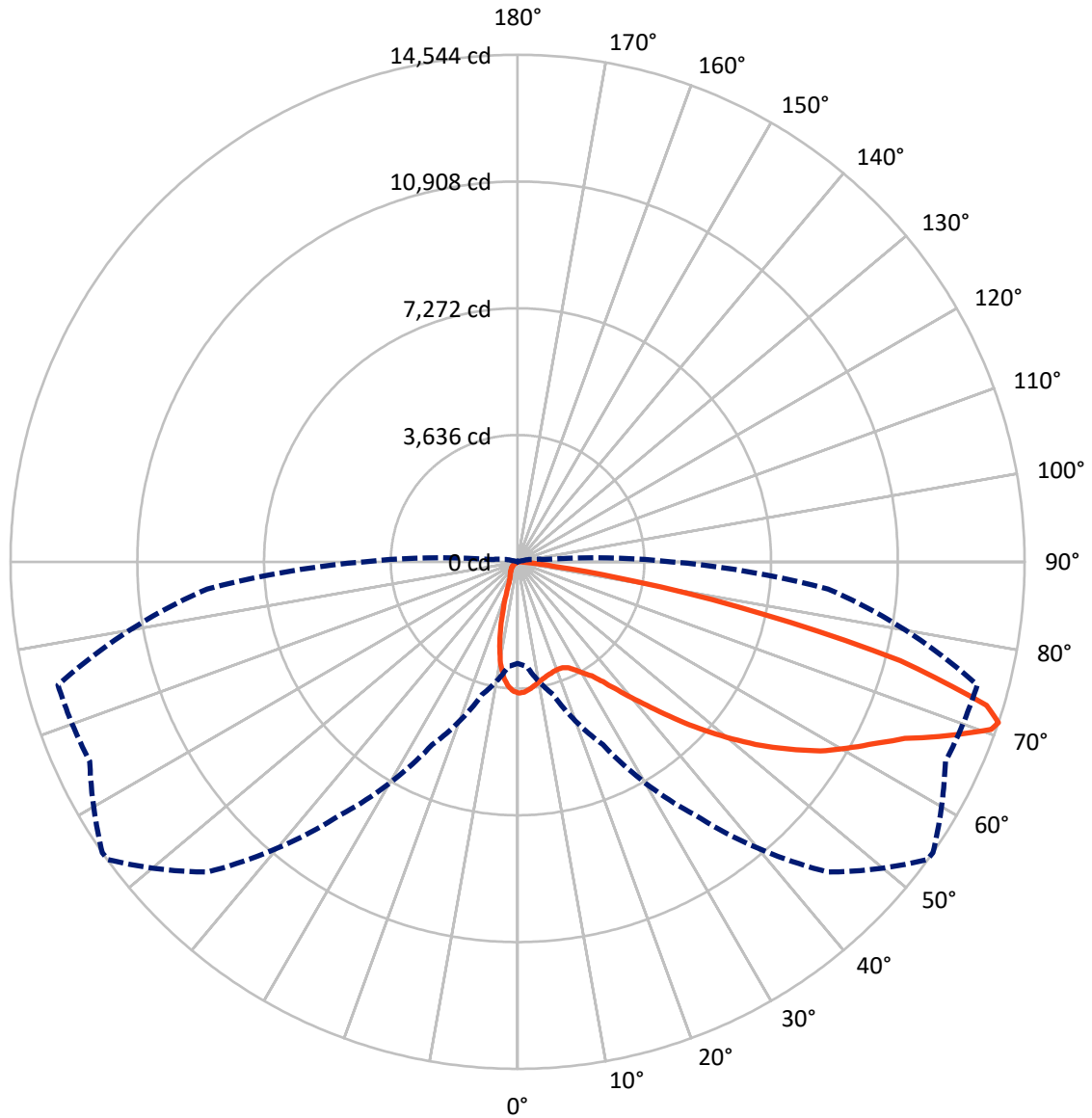
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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
House Side	Lumens	1545.6	0.0	1545.6
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	17976.4	0.0	17976.4
	% Fixture	92.1	0.0	92.1
Total	Lumens	19522.0	0.0	19522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.0	1.6
10°-20°	724.7	3.7
20°-30°	1164.6	6.0
30°-40°	1978.7	10.1
40°-50°	3071.2	15.7
50°-60°	4129.2	21.2
60°-70°	5051.4	25.9
70°-80°	2953.4	15.1
80°-90°	127.7	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°	19522.0	100.0
0°-180°	19522.0	100.0

Coefficient of Utilization

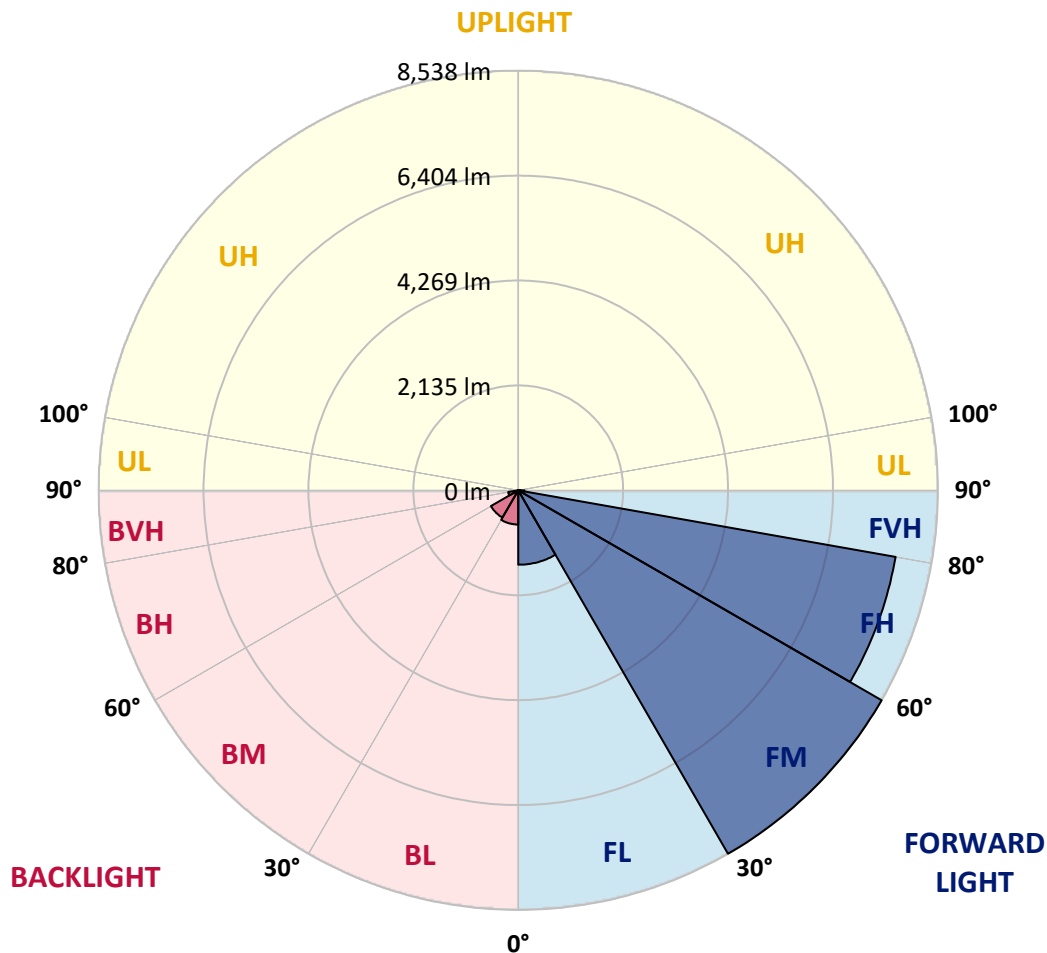


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1514.6	7.8			
FM (30°-60°)	8538.4	43.7			
FH (60°-80°)	7797.7	39.9			G4/12000
FVH (80°-90°)	125.7	0.6			G2/225
BL (0°-30°)	695.7	3.6	B2/1000		
BM (30°-60°)	640.8	3.3	B1/1000		
BH (60°-80°)	207.1	1.1	B1/500		G1/500
BVH (80°-90°)	2.0	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-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9
2.5°	3654.4	3658.8	3674.6	3681.6	3698.3	3726.3	3740.3	3741.2	3764.0	3772.8	3779.8
5°	3395.8	3422.1	3448.4	3476.5	3527.3	3594.8	3661.5	3667.6	3741.2	3795.6	3824.5
7.5°	3173.2	3196.9	3228.4	3273.1	3345.0	3451.1	3562.4	3575.5	3714.9	3838.5	3903.4
10°	2944.4	2963.7	3009.3	3075.0	3174.1	3316.1	3466.0	3487.9	3691.3	3896.4	4010.3
12.5°	2699.8	2711.2	2766.5	2861.1	3006.7	3187.2	3384.5	3413.4	3676.4	3963.0	4136.6
15°	2514.0	2519.3	2571.9	2670.0	2836.6	3071.5	3321.3	3356.4	3679.9	4042.8	4274.2
17.5°	2466.7	2469.3	2497.4	2564.9	2712.1	2968.1	3271.4	3314.3	3690.4	4120.8	4412.7
20°	2658.7	2640.2	2611.3	2600.8	2663.9	2905.8	3241.6	3289.8	3704.4	4190.0	4537.1
22.5°	3185.5	3131.1	3011.0	2850.6	2753.3	2910.2	3249.5	3297.7	3749.1	4275.1	4680.9
25°	3967.4	3892.0	3687.7	3372.2	3068.9	3036.5	3315.2	3364.3	3835.9	4376.7	4818.5
27.5°	4857.1	4782.6	4532.8	4082.2	3565.0	3286.3	3466.0	3511.6	3964.7	4467.0	4923.7
30°	5709.1	5688.1	5393.6	4881.6	4189.1	3691.3	3660.6	3699.1	4060.3	4521.4	5007.0
32.5°	6431.4	6398.1	6161.4	5663.5	4903.6	4177.8	3889.4	3900.8	4132.2	4591.5	5115.7
35°	7101.1	7059.9	6852.2	6381.5	5636.4	4772.1	4241.7	4225.1	4289.1	4732.6	5273.5
37.5°	7685.8	7723.5	7493.0	7045.0	6293.8	5390.1	4716.8	4666.9	4534.5	4962.3	5502.3
40°	8174.9	8174.9	8054.8	7681.4	7003.8	6029.1	5254.2	5188.4	4903.6	5316.4	5792.4
42.5°	8351.1	8388.8	8433.5	8222.3	7639.3	6693.5	5852.9	5784.5	5423.4	5818.7	6158.8
45°	8361.6	8421.3	8650.0	8649.2	8213.5	7353.6	6527.9	6495.4	6089.6	6463.9	6612.9
47.5°	8213.5	8288.0	8664.9	8878.8	8668.4	7968.1	7265.9	7225.6	6872.3	7254.5	7088.0
50°	7984.7	8067.1	8505.4	8969.1	8977.9	8502.8	8043.4	7983.0	7734.0	8158.3	7578.9
52.5°	7575.4	7734.9	8362.5	8990.1	9181.2	8964.7	8783.3	8757.0	8698.2	9028.7	7969.8
55°	6699.7	6876.7	8004.0	8997.2	9369.7	9374.1	9476.6	9483.7	9602.0	9842.2	8260.8
57.5°	6285.9	6385.8	7378.1	9030.5	9649.3	9838.7	10183.2	10237.5	10420.7	10614.4	8593.1
60°	6025.6	6143.9	7069.6	8984.9	10088.5	10447.9	10838.0	10856.4	11052.7	11411.2	9042.7
62.5°	5817.8	5934.4	6875.0	8809.6	10582.0	11180.7	11477.9	11479.6	11626.9	12360.6	9553.8
65°	5305.0	5403.2	6481.4	8612.3	10908.1	11905.6	12221.2	12209.8	12329.9	13361.6	10147.2
67.5°	4563.4	4638.8	5677.6	7864.6	10785.4	12564.8	13343.2	13305.5	13160.0	14226.8	10380.4
70°	3528.2	3555.4	4474.9	6554.1	9635.3	12818.1	14427.5	14408.3	13669.3	14071.7	9525.7
71°	2916.4	3005.8	3943.7	5784.5	8864.8	12584.1	14532.7	14544.1	13541.3	13649.1	8937.6
72.5°	1693.5	1769.8	2858.5	4442.5	7526.3	11607.6	13987.5	14069.9	12943.5	12414.9	7634.1
75°	362.9	388.3	1059.8	2150.2	4140.1	8135.5	11040.5	11334.1	10549.6	8445.8	4601.1
77.5°	252.5	272.6	454.1	975.6	1368.3	4020.0	6858.3	7189.7	6302.6	3174.1	1472.6
80°	199.9	222.6	354.1	482.1	369.9	1296.5	3212.6	3415.1	2102.0	708.3	248.1
82.5°	111.3	132.4	276.1	260.3	142.0	246.3	899.4	1016.8	420.8	142.9	58.7
85°	32.4	39.4	177.9	189.3	60.5	47.3	153.4	190.2	79.8	37.7	26.3
87.5°	0.0	0.0	85.9	72.8	17.5	7.0	14.0	15.8	15.8	15.8	17.5
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°	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9	3764.9
2.5°	3779.8	3785.9	3764.0	3735.1	3704.4	3666.7	3627.3	3596.6	3595.7	3580.8	3565.9
5°	3826.2	3822.7	3762.3	3670.2	3561.5	3448.4	3340.6	3218.8	3178.5	3128.5	3111.8
7.5°	3912.2	3887.6	3759.6	3558.0	3319.6	3082.9	2838.3	2592.0	2486.8	2392.2	2375.5
10°	4020.0	3973.5	3743.0	3389.7	2952.3	2515.8	2146.7	1811.9	1664.6	1551.5	1546.3
12.5°	4132.2	4061.2	3696.5	3135.5	2471.1	1857.5	1432.3	1102.7	980.0	901.1	908.1
15°	4249.6	4143.6	3596.6	2792.8	1923.2	1260.5	880.1	686.4	637.3	617.1	622.4
17.5°	4369.7	4200.5	3457.2	2379.9	1382.4	813.5	609.2	554.9	554.9	559.3	561.0
20°	4474.0	4231.2	3252.1	1917.1	937.1	592.6	533.0	525.1	529.5	536.5	537.3
22.5°	4577.5	4233.0	2984.7	1448.1	655.7	518.9	507.5	504.0	506.7	514.5	515.4
25°	4661.6	4211.9	2649.9	1030.0	523.3	489.1	483.9	482.1	483.9	493.5	493.5
27.5°	4695.8	4135.7	2241.4	724.1	469.0	455.8	454.1	455.8	458.4	465.5	466.3
30°	4699.3	4002.4	1796.1	524.2	425.1	411.1	414.6	420.8	418.1	416.4	418.1
32.5°	4708.1	3848.2	1362.2	431.3	388.3	366.4	362.0	362.0	351.5	345.4	341.9
35°	4737.0	3666.7	987.9	387.4	350.6	325.2	308.6	289.3	269.1	258.6	256.0
37.5°	4782.6	3476.5	707.4	358.5	317.3	288.4	256.8	222.6	193.7	185.8	185.8
40°	4865.9	3280.1	523.3	335.7	291.0	255.1	207.7	163.0	136.7	132.4	132.4
42.5°	4997.4	3073.3	417.2	315.6	268.2	220.9	158.7	118.3	99.1	96.4	95.5
45°	5134.1	2845.4	364.7	296.3	243.7	181.5	117.5	87.7	76.3	73.6	73.6
47.5°	5270.8	2602.5	339.2	277.9	220.0	141.1	87.7	69.2	64.0	64.0	64.9
50°	5386.6	2349.2	320.8	257.7	189.3	106.9	69.2	58.7	57.0	60.5	61.4
52.5°	5415.5	2100.3	298.0	232.3	151.6	81.5	57.0	51.7	51.7	51.7	51.7
55°	5397.9	1907.4	268.2	200.7	112.2	64.9	49.1	45.6	44.7	44.7	44.7
57.5°	5457.6	1793.5	214.8	156.0	80.6	52.6	43.0	40.3	38.6	37.7	37.7
60°	5577.6	1719.0	153.4	112.2	60.5	43.8	36.8	34.2	31.6	29.8	29.8
62.5°	5737.2	1654.1	114.0	83.3	46.5	35.1	30.7	28.1	24.5	22.8	22.8
65°	5859.9	1538.4	86.8	62.2	35.1	28.1	23.7	22.8	17.5	15.8	14.9
67.5°	5672.3	1284.2	70.1	45.6	26.3	21.9	18.4	17.5	10.5	8.8	8.8
70°	4865.0	894.1	56.1	33.3	19.3	17.5	14.9	11.4	7.9	7.0	7.0
71°	4411.8	746.8	50.8	28.1	16.7	16.7	14.0	9.6	7.0	6.1	6.1
72.5°	3665.0	530.3	43.0	21.9	14.9	17.5	14.9	8.8	7.0	6.1	5.3
75°	2127.4	221.8	29.8	14.9	11.4	21.0	19.3	7.9	5.3	4.4	4.4
77.5°	639.9	81.5	16.7	9.6	8.8	18.4	21.9	7.0	2.6	0.9	0.9
80°	116.6	35.1	10.5	6.1	6.1	11.4	16.7	3.5	0.0	0.0	0.0
82.5°	41.2	17.5	6.1	3.5	2.6	5.3	7.9	0.0	0.0	0.0	0.0
85°	23.7	12.3	3.5	1.8	0.0	0.9	1.8	0.0	0.0	0.0	0.0
87.5°	15.8	3.5	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)