

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: P459168

Luminaire Tested: **GLAN-SA6C-735-U-T2-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29032 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

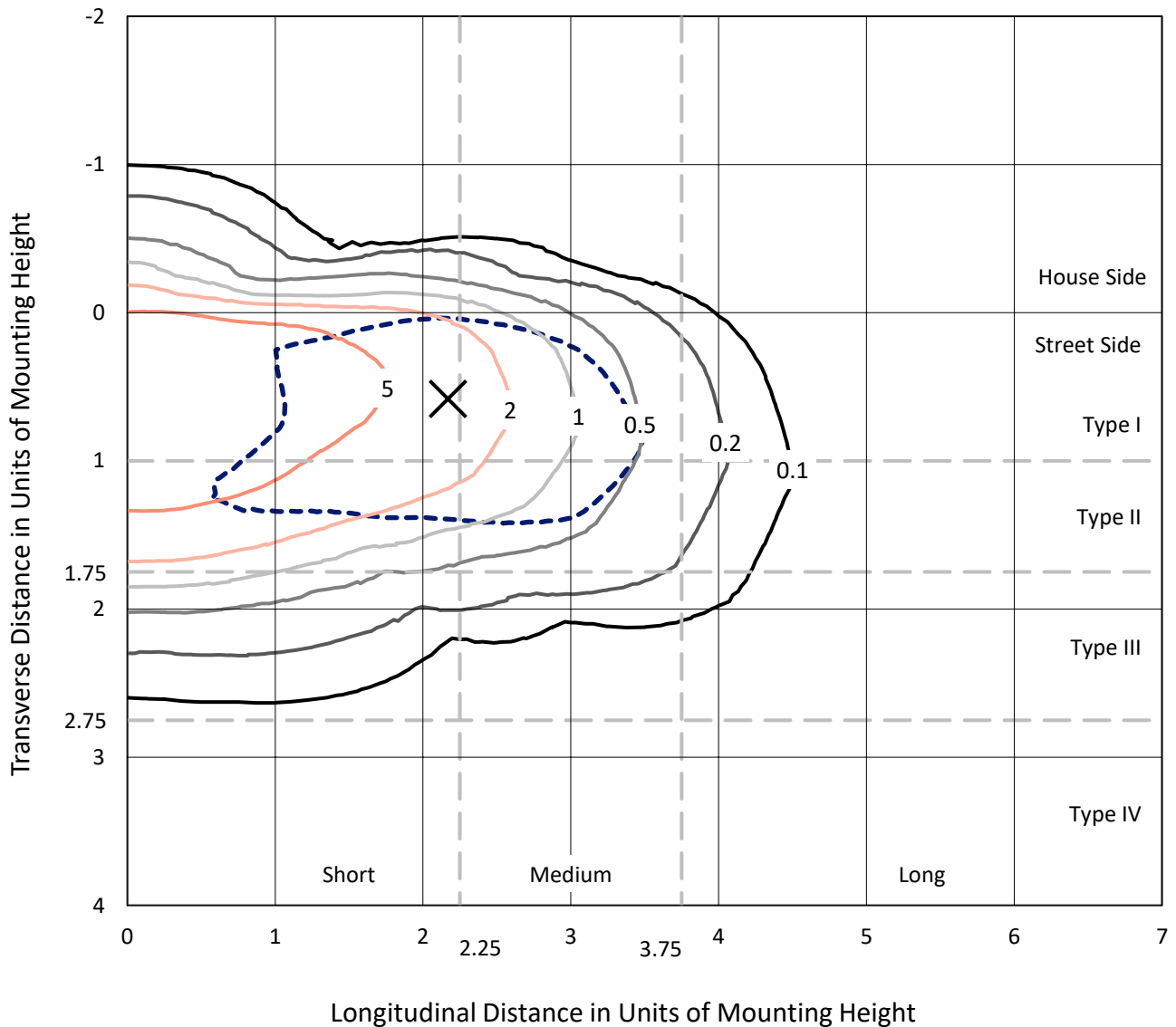
Input Watts (W): 321
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

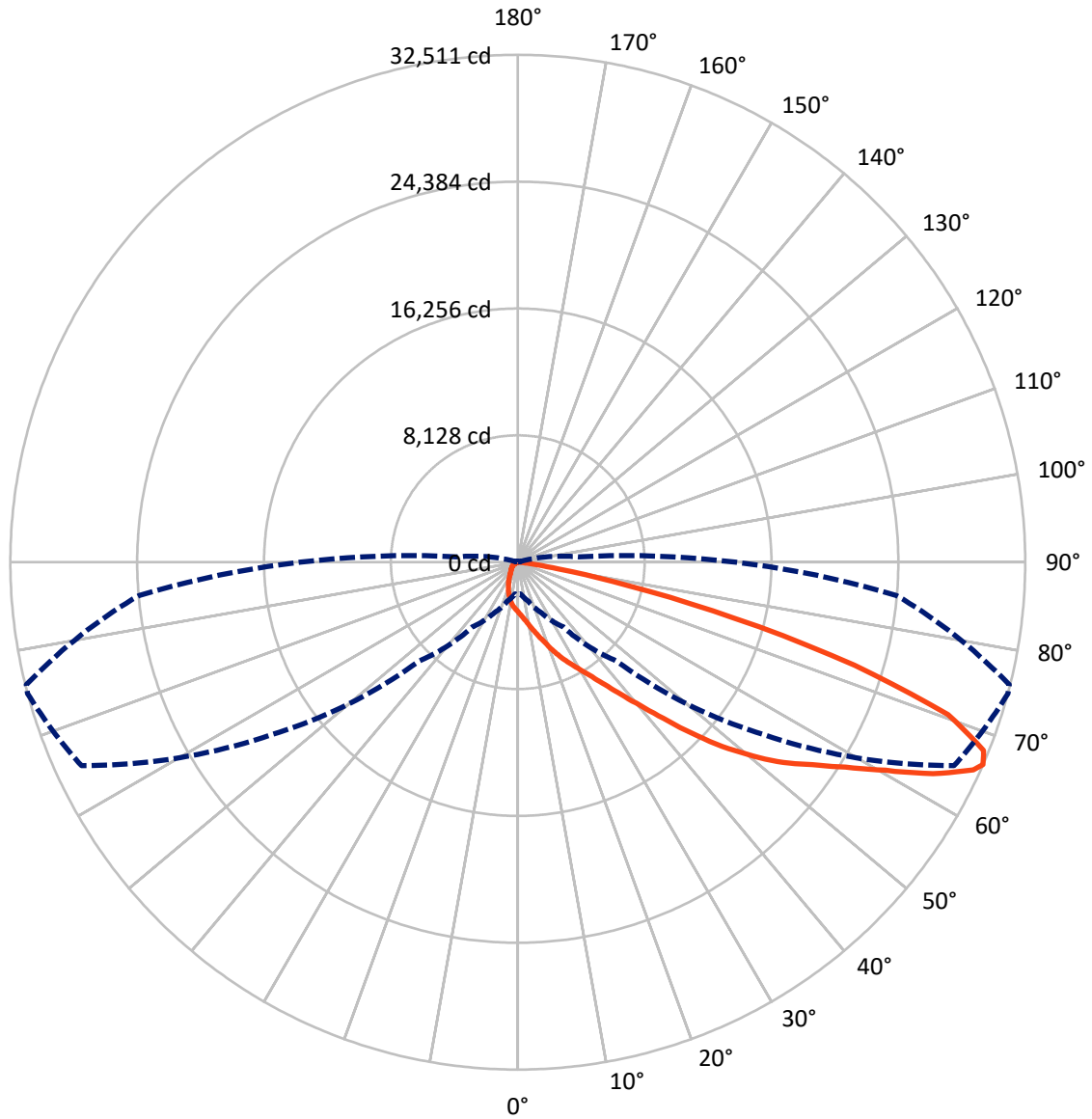
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1792.3	0.0	1792.3
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	27239.7	0.0	27239.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	29032.0	0.0	29032.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.2	1.1
10°-20°	901.2	3.1
20°-30°	1556.2	5.4
30°-40°	2807.1	9.7
40°-50°	5071.2	17.5
50°-60°	7906.0	27.2
60°-70°	7510.4	25.9
70°-80°	2814.7	9.7
80°-90°	158.8	0.5
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°	29032.0	100.0
0°-180°	29032.0	100.0

Coefficient of Utilization



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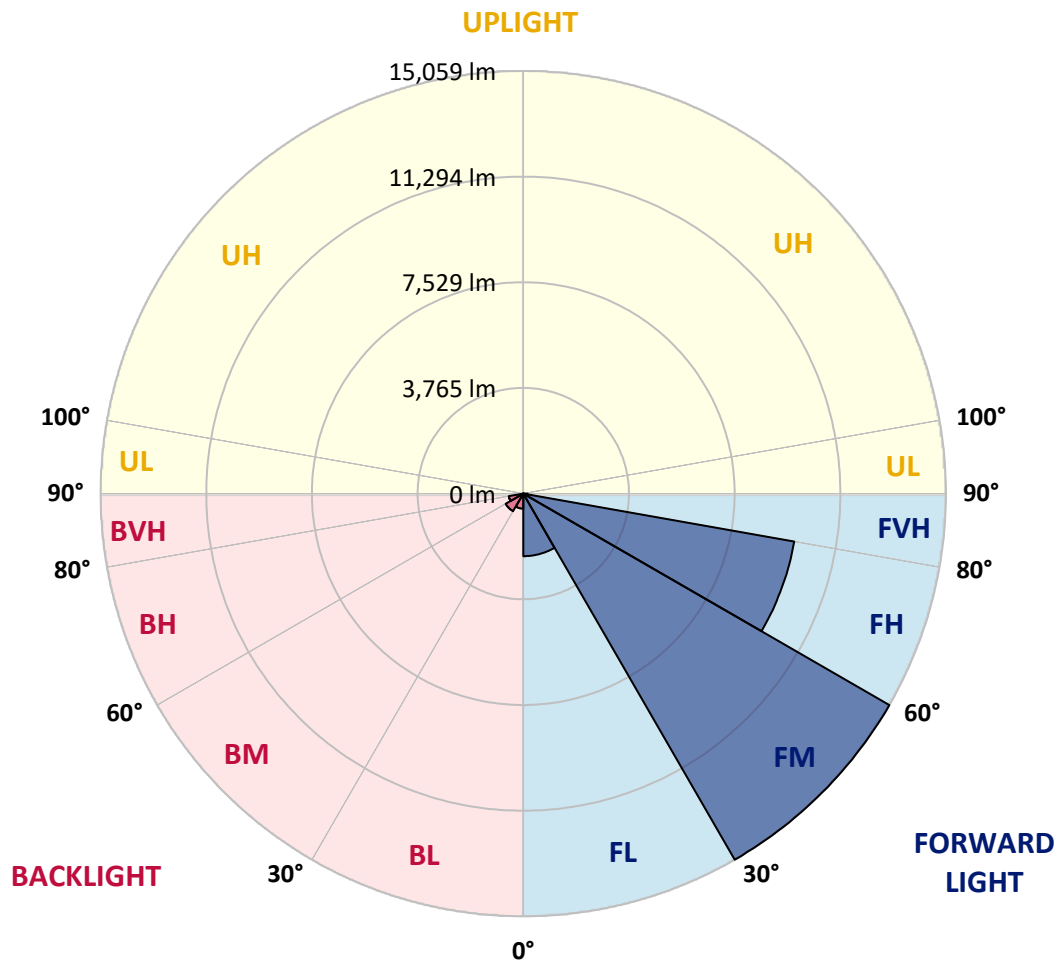
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2228.5	7.7			
FM (30°-60°)	15058.9	51.9			
FH (60°-80°)	9801.7	33.8			G4/12000
FVH (80°-90°)	150.6	0.5			G2/225
BL (0°-30°)	535.3	1.8	B2/1000		
BM (30°-60°)	725.5	2.5	B1/1000		
BH (60°-80°)	523.4	1.8	B2/1000		G2/1000
BVH (80°-90°)	8.2	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9
2.5°	3793.2	3746.0	3761.0	3739.5	3690.1	3617.2	3552.8	3460.4	3368.1	3353.1	3250.1
5°	4293.4	4280.5	4263.3	4201.0	4166.7	4055.1	3922.0	3763.1	3572.1	3537.7	3351.0
7.5°	4634.7	4628.2	4636.8	4604.6	4574.6	4473.7	4332.0	4115.2	3818.9	3799.6	3488.4
10°	4746.3	4763.5	4795.7	4847.2	4894.4	4862.2	4754.9	4484.4	4138.8	4083.0	3645.1
12.5°	4681.9	4701.2	4778.5	4915.9	5068.3	5156.3	5113.4	4915.9	4478.0	4432.9	3821.1
15°	4516.6	4540.2	4649.7	4862.2	5134.9	5383.9	5491.2	5349.5	4873.0	4800.0	4033.6
17.5°	4271.9	4306.2	4462.9	4744.2	5117.7	5547.0	5849.7	5802.5	5293.7	5225.0	4265.4
20°	4087.3	4113.0	4246.1	4568.1	5044.7	5637.2	6191.0	6324.1	5813.2	5695.1	4538.1
22.5°	4209.6	4218.2	4263.3	4456.5	4913.7	5660.8	6491.6	6867.2	6364.9	6259.7	4821.4
25°	4808.6	4722.7	4677.6	4634.7	4885.8	5639.3	6764.2	7433.9	6914.4	6802.8	5102.7
27.5°	5753.1	5714.5	5486.9	5182.1	5124.1	5667.2	6944.5	7970.6	7431.8	7311.6	5377.4
30°	6781.4	6714.8	6575.3	6128.8	5680.1	5864.7	7075.4	8492.3	8043.6	7884.7	5628.6
32.5°	7725.9	7768.8	7560.6	7101.2	6581.7	6285.5	7245.0	9061.1	8745.6	8548.1	5920.5
35°	8827.1	8913.0	8593.2	8153.1	7545.6	7045.4	7575.6	9703.0	9636.4	9387.4	6371.3
37.5°	9945.6	9997.1	9801.7	9183.5	8636.1	8011.4	8198.2	10495.1	10733.4	10520.9	6910.2
40°	10885.8	10956.6	10812.8	10263.3	9679.4	9129.8	9101.9	11358.1	12038.6	11819.6	7713.0
42.5°	11604.9	11658.6	11662.9	11274.4	10748.4	10499.4	10254.7	12459.3	13674.3	13421.0	8644.7
45°	12513.0	12590.3	12545.2	12281.1	11888.3	11843.2	11716.6	13790.3	15632.1	15312.3	9853.3
47.5°	13916.9	13968.4	13856.8	13545.5	13146.3	13217.1	13142.0	15282.2	17628.5	17353.7	11104.8
50°	14891.5	14977.4	15136.2	15260.7	14970.9	14709.0	14485.8	16675.4	19524.0	19277.2	12384.2
52.5°	14880.8	15022.4	15524.8	16151.6	16784.9	16705.4	16063.6	18214.6	21333.7	21028.9	13586.3
55°	13878.3	14153.0	14891.5	16003.5	17757.3	18631.0	18339.1	19996.3	22896.5	22690.4	14979.5
57.5°	11808.9	11976.3	13002.4	14556.6	17214.2	19536.9	20975.2	22411.3	24770.5	24673.9	17143.4
60°	7942.7	8017.8	9338.0	11259.3	14655.4	18633.2	22907.2	25332.9	27078.2	27031.0	19670.0
62.5°	4551.0	4583.2	5540.6	7161.3	10428.6	15791.0	23070.3	28937.2	29845.3	29871.0	22593.8
65°	2449.4	2466.5	3239.3	4203.2	6345.6	11255.0	20745.5	30912.2	32082.1	32131.5	24405.6
66°	2114.5	2032.9	2578.2	3582.8	5049.0	8958.1	19275.0	30841.3	32511.4	32457.8	24341.2
67.5°	1607.9	1680.8	2058.7	2754.2	3741.7	6369.2	15913.3	29469.6	32185.1	32017.7	23351.6
70°	1150.6	1180.7	1466.2	1964.2	2548.1	3494.8	10168.8	24476.4	29252.8	29027.4	20344.1
72.5°	742.8	775.0	1039.0	1421.1	1841.8	1908.4	5693.0	17684.3	22553.0	22520.8	15320.8
75°	530.2	560.3	686.9	1017.5	1384.6	1180.7	2741.3	11918.4	14337.7	14241.1	9477.6
77.5°	384.3	399.3	459.4	665.5	989.6	845.8	1270.8	6364.9	7137.7	7474.7	4188.2
80°	221.1	234.0	319.9	405.7	669.8	577.5	607.5	2554.5	2634.0	2507.3	1309.5
82.5°	109.5	124.5	191.1	276.9	418.6	388.5	279.1	768.5	811.4	790.0	330.6
85°	25.8	32.2	107.3	182.5	203.9	173.9	135.2	225.4	279.1	272.6	126.7
87.5°	2.1	4.3	38.6	32.2	34.3	58.0	47.2	58.0	90.2	83.7	45.1
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°	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9	3174.9
2.5°	3202.8	3162.1	3044.0	2928.1	2831.5	2730.6	2638.3	2584.6	2563.1	2539.5	2550.3
5°	3247.9	3149.2	2910.9	2704.8	2503.0	2331.3	2193.9	2105.9	2063.0	2056.5	2045.8
7.5°	3308.0	3138.4	2769.2	2447.2	2183.2	1992.1	1835.4	1708.8	1670.1	1635.8	1607.9
10°	3381.0	3119.1	2593.2	2176.7	1895.5	1655.1	1449.0	1298.7	1221.5	1200.0	1215.0
12.5°	3458.3	3082.6	2408.6	1927.7	1603.6	1296.6	1105.5	1030.4	1008.9	1000.4	1002.5
15°	3535.6	3037.5	2215.4	1687.3	1277.3	1034.7	946.7	927.4	918.8	914.5	910.2
17.5°	3606.4	2964.6	1998.6	1453.3	1034.7	884.4	852.2	835.1	817.9	811.4	800.7
20°	3690.1	2880.8	1803.2	1191.4	875.8	800.7	762.1	729.9	704.1	686.9	684.8
22.5°	3769.6	2773.5	1599.3	987.5	798.6	719.1	656.9	622.5	592.5	571.0	577.5
25°	3812.5	2642.6	1416.8	860.8	727.7	637.6	568.9	525.9	493.7	483.0	480.9
27.5°	3812.5	2481.6	1238.6	787.8	663.3	564.6	493.7	452.9	431.5	416.5	418.6
30°	3782.4	2303.4	1073.3	732.0	607.5	500.2	433.6	397.1	380.0	369.2	367.1
32.5°	3758.8	2133.8	931.7	678.4	549.5	444.4	386.4	358.5	341.3	330.6	330.6
35°	3795.3	1987.8	822.2	624.7	495.9	401.4	349.9	324.1	307.0	298.4	296.2
37.5°	3891.9	1854.7	738.5	566.7	446.5	364.9	324.1	294.1	276.9	266.2	261.9
40°	4130.2	1779.6	676.2	513.1	399.3	334.9	294.1	266.2	244.7	234.0	231.8
42.5°	4512.3	1781.7	616.1	463.7	362.8	309.1	268.3	236.1	212.5	201.8	199.6
45°	5087.6	1863.3	568.9	416.5	330.6	281.2	240.4	206.1	184.6	173.9	173.9
47.5°	5776.7	2022.2	528.1	375.7	300.5	255.5	212.5	178.2	156.7	148.1	148.1
50°	6523.8	2228.3	487.3	332.7	274.8	227.5	182.5	154.6	137.4	130.9	130.9
52.5°	7285.8	2477.3	446.5	298.4	246.9	197.5	156.7	137.4	122.4	118.1	115.9
55°	8286.2	2795.0	403.6	261.9	216.8	169.6	139.5	120.2	103.0	96.6	94.5
57.5°	9825.3	3273.7	356.3	229.7	178.2	141.7	120.2	100.9	81.6	70.8	68.7
60°	11682.2	3857.6	307.0	201.8	143.8	115.9	96.6	77.3	60.1	47.2	45.1
62.5°	13421.0	4229.0	259.7	169.6	113.8	88.0	68.7	58.0	42.9	30.1	27.9
65°	14189.5	4104.4	214.7	137.4	90.2	62.3	45.1	40.8	25.8	12.9	10.7
66°	13934.1	3919.8	197.5	124.5	81.6	53.7	38.6	34.3	19.3	6.4	6.4
67.5°	13180.6	3484.1	171.7	107.3	70.8	42.9	30.1	25.8	10.7	2.1	0.0
70°	11293.7	2818.6	135.2	79.4	51.5	30.1	17.2	12.9	6.4	0.0	0.0
72.5°	8674.7	2099.5	107.3	60.1	36.5	17.2	8.6	4.3	6.4	0.0	0.0
75°	5315.2	1200.0	83.7	45.1	23.6	10.7	6.4	0.0	6.4	2.1	0.0
77.5°	2359.2	538.8	55.8	30.1	17.2	8.6	4.3	0.0	4.3	2.1	0.0
80°	596.8	176.0	32.2	21.5	12.9	6.4	2.1	0.0	4.3	4.3	2.1
82.5°	163.1	64.4	23.6	17.2	10.7	6.4	2.1	0.0	4.3	4.3	4.3
85°	64.4	30.1	21.5	17.2	12.9	6.4	2.1	0.0	4.3	4.3	4.3
87.5°	30.1	21.5	21.5	19.3	15.0	6.4	2.1	0.0	4.3	2.1	4.3
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)