

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: P530779

Luminaire Tested: **GLAN-SA6A-735-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6A-735-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14745 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

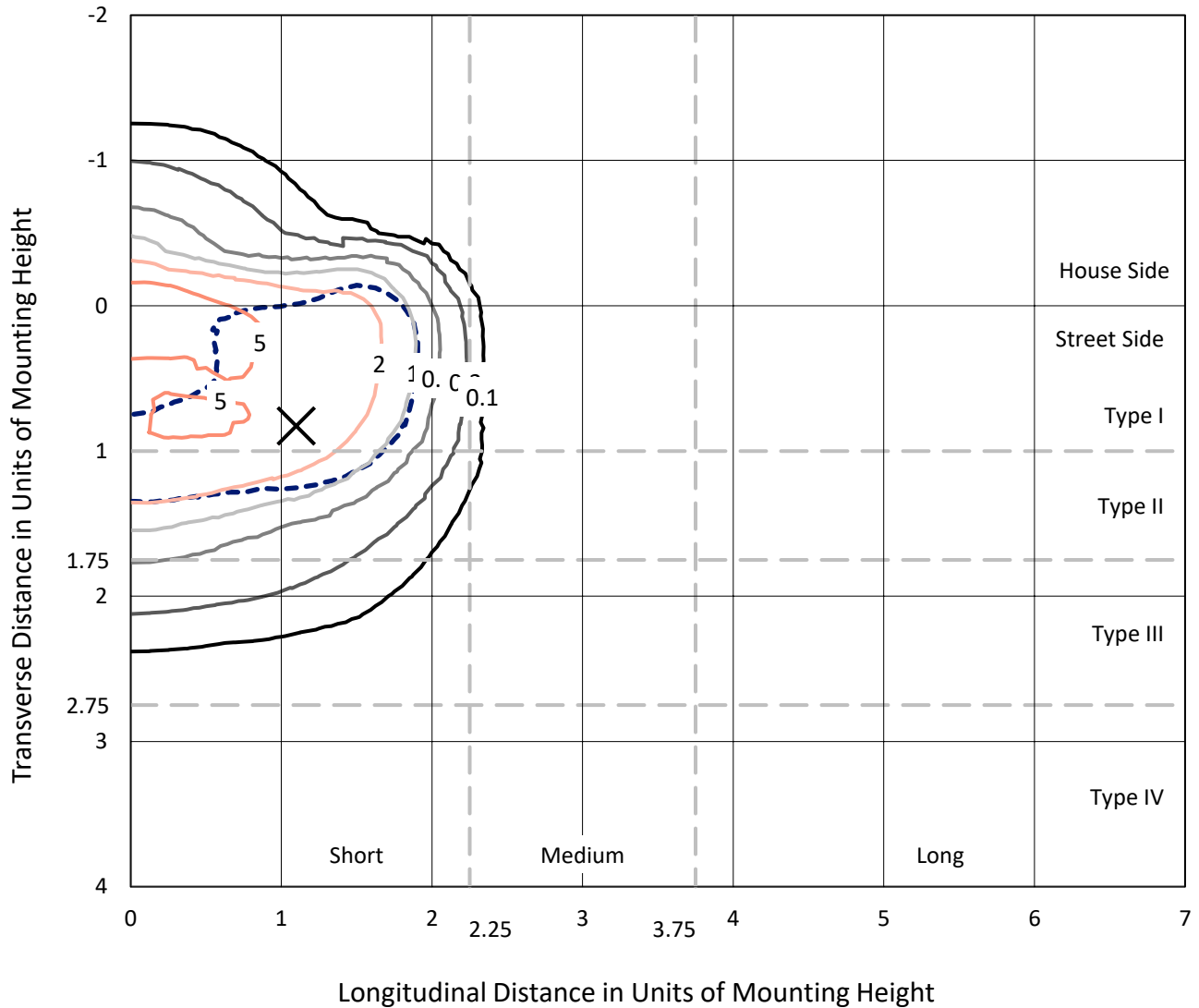
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

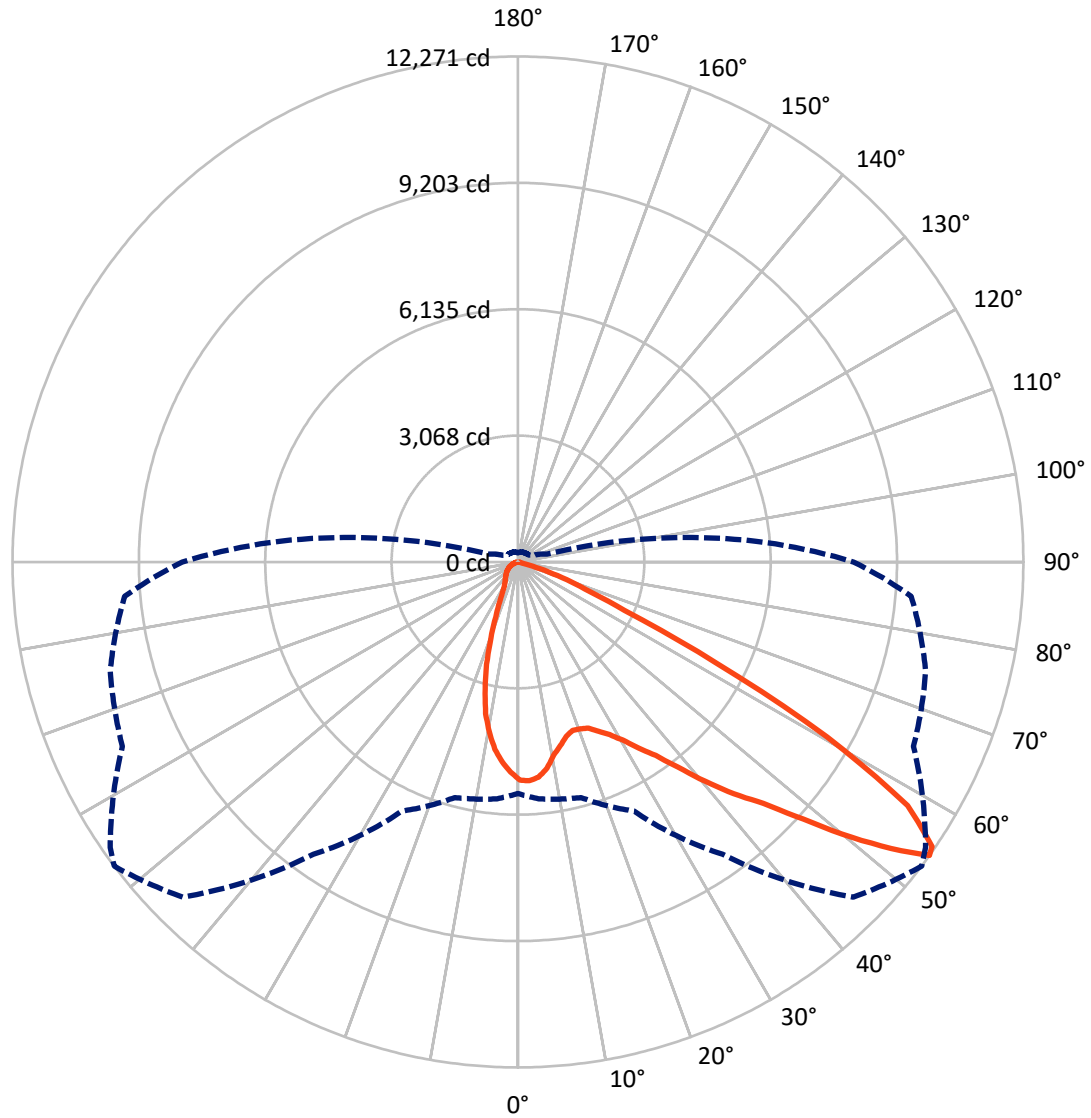
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2439.6	0.0	2439.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	12305.4	0.0	12305.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	14745.0	0.0	14745.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.4	3.1
10°-20°	1041.8	7.1
20°-30°	1480.6	10.0
30°-40°	2285.0	15.5
40°-50°	3582.6	24.3
50°-60°	4161.7	28.2
60°-70°	1572.5	10.7
70°-80°	149.5	1.0
80°-90°	16.8	0.1
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°	14745.0	100.0
0°-180°	14745.0	100.0

Coefficient of Utilization



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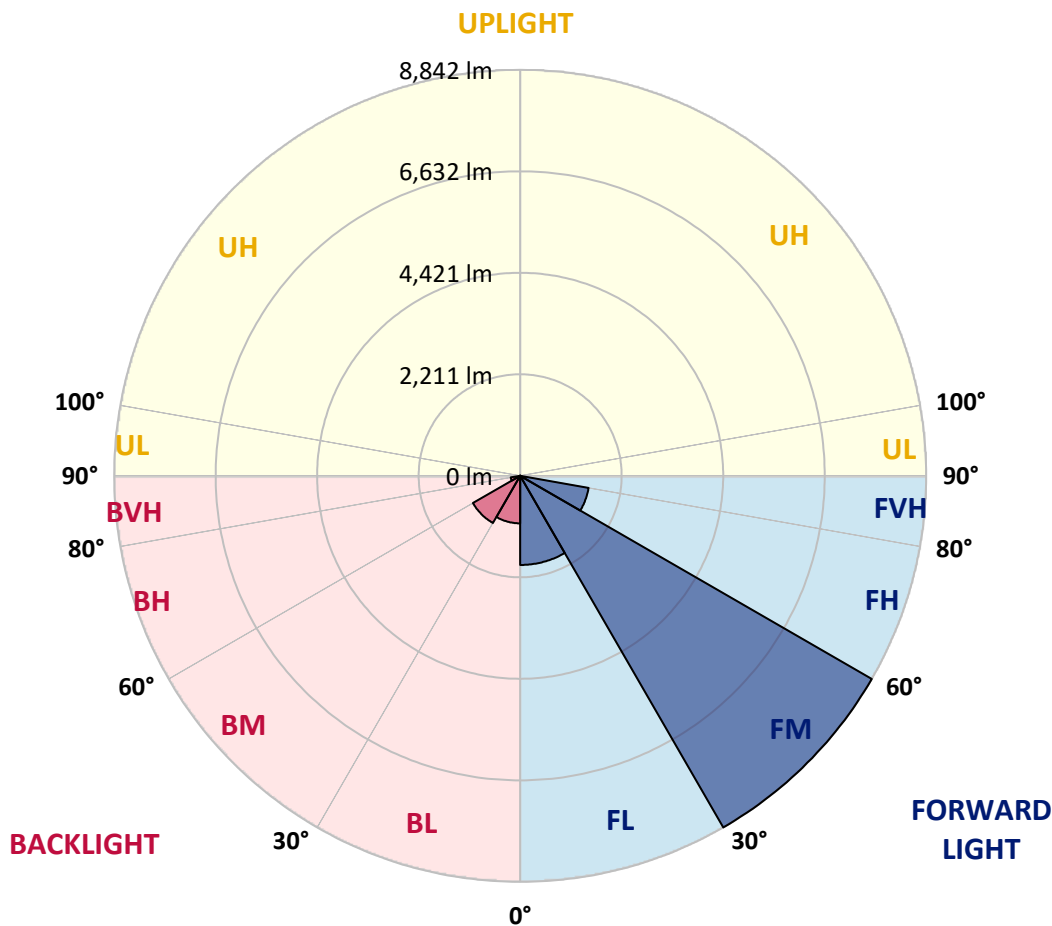
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1941.5	13.2			
FM (30°-60°)	8842.1	60.0			
FH (60°-80°)	1513.1	10.3			G1/1800
FVH (80°-90°)	8.7	0.1			G0/10
BL (0°-30°)	1035.3	7.0	B3/2500		
BM (30°-60°)	1187.2	8.1	B2/2500		
BH (60°-80°)	209.0	1.4	B1/500		G1/500
BVH (80°-90°)	8.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2
2.5°	5268.7	5222.0	5268.7	5274.2	5307.1	5337.4	5318.1	5362.1	5337.4	5309.9	5301.6
5°	4842.9	4906.1	4908.8	5007.7	4985.7	5167.0	5246.7	5224.7	5359.3	5351.1	5331.9
7.5°	4461.1	4436.4	4469.3	4584.7	4730.3	4939.0	5054.4	5051.7	5244.0	5381.3	5367.6
10°	4106.7	4104.0	4172.6	4263.3	4386.9	4606.7	4766.0	4845.7	5145.1	5353.8	5384.1
12.5°	3867.7	3856.7	3930.9	4005.1	4200.1	4370.4	4573.7	4612.2	4955.5	5257.7	5307.1
15°	3711.2	3735.9	3741.4	3884.2	4007.8	4233.1	4392.4	4472.1	4867.6	5180.8	5370.3
17.5°	3683.7	3716.6	3719.4	3837.5	3969.4	4158.9	4299.0	4406.1	4793.5	5219.2	5373.1
20°	3738.6	3719.4	3735.9	3810.0	3939.2	4120.5	4323.7	4359.4	4768.7	5238.5	5403.3
22.5°	3895.2	3889.7	3848.5	3908.9	3999.6	4189.1	4381.4	4436.4	4840.2	5337.4	5428.0
25°	4068.3	4098.5	4060.0	4051.8	4115.0	4301.8	4557.2	4628.6	5079.1	5515.9	5504.9
27.5°	4392.4	4362.2	4362.2	4323.7	4307.2	4397.9	4746.8	4864.9	5345.6	5746.7	5592.8
30°	4702.8	4735.8	4711.1	4724.8	4614.9	4606.7	5016.0	5161.6	5818.1	6098.3	5779.6
32.5°	5194.5	5150.6	5191.8	5156.1	5010.5	4862.1	5381.3	5532.4	6389.4	6502.1	6059.8
35°	5603.8	5584.6	5760.4	5754.9	5518.7	5373.1	5768.6	5993.9	6787.8	6985.5	6389.4
37.5°	6186.2	6150.5	6351.0	6447.1	6235.6	6018.6	6323.5	6584.5	7158.6	7372.9	6727.3
40°	6785.0	6875.7	7144.9	7304.2	7078.9	6790.5	7002.0	7081.7	7405.8	7625.6	6958.1
42.5°	7543.2	7675.0	7949.7	8087.1	8067.8	7754.7	7691.5	7688.8	7584.4	7554.2	7128.4
45°	8271.1	8221.7	8644.7	8944.1	9185.9	9095.2	8356.3	8273.9	7867.3	7661.3	7172.3
47.5°	8589.8	8573.3	8861.7	9394.6	10218.7	10331.3	9323.2	9004.6	8345.3	8111.8	7411.3
50°	8177.7	8262.9	8548.6	9139.2	10402.8	11262.6	10509.9	10081.4	8902.9	8661.2	7977.2
52.5°	6831.7	6889.4	7161.3	7911.3	9776.5	11812.0	11647.1	11399.9	9927.5	9526.5	8963.4
54°	5617.6	5771.4	5919.7	6672.4	8661.2	11507.1	12270.7	12081.2	10595.1	10246.2	9584.2
55°	4892.4	4983.0	5090.1	5840.1	7889.3	10990.6	12199.3	12215.8	11042.8	10471.4	10001.7
57.5°	3573.8	3637.0	3527.1	3859.5	5417.0	8924.9	11158.2	11603.2	11647.1	10809.3	10257.2
60°	2730.5	2758.0	2634.3	2686.5	3367.8	6125.7	8631.0	9166.6	10507.2	9446.8	8688.7
62.5°	2117.9	2123.4	2120.7	2211.3	2321.2	3604.0	5397.8	5873.0	7243.8	6708.1	5900.5
65°	1560.3	1535.6	1579.5	1854.2	1980.6	2266.2	2843.1	3189.2	3936.4	3323.8	2376.1
67.5°	1010.9	1019.1	1063.1	1379.0	1697.6	1738.8	1749.8	1722.3	1725.1	950.5	596.1
70°	607.1	620.8	607.1	780.1	1214.2	1247.1	1140.0	1112.5	868.0	225.3	222.5
72.5°	359.9	340.6	304.9	335.1	505.4	604.3	543.9	541.2	340.6	131.9	131.9
75°	151.1	137.3	112.6	101.6	134.6	129.1	129.1	115.4	90.6	87.9	82.4
77.5°	30.2	30.2	22.0	24.7	33.0	38.5	46.7	46.7	54.9	54.9	52.2
80°	0.0	2.7	8.2	16.5	24.7	35.7	41.2	41.2	46.7	46.7	38.5
82.5°	0.0	2.7	8.2	16.5	22.0	33.0	41.2	41.2	46.7	49.4	41.2
85°	0.0	2.7	8.2	13.7	22.0	27.5	27.5	24.7	19.2	16.5	11.0
87.5°	0.0	0.0	2.7	5.5	2.7	5.5	5.5	5.5	5.5	5.5	5.5
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°	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2	5296.2
2.5°	5320.9	5318.1	5252.2	5145.1	5120.3	5029.7	5018.7	4963.8	4994.0	4892.4	4881.4
5°	5276.9	5244.0	5164.3	5095.6	4895.1	4752.3	4639.6	4502.3	4422.6	4436.4	4384.2
7.5°	5340.1	5255.0	5114.9	4875.9	4631.4	4381.4	4246.8	3966.6	3865.0	3713.9	3691.9
10°	5274.2	5211.0	4994.0	4598.4	4260.5	3900.7	3584.8	3274.4	3038.1	2936.5	2914.5
12.5°	5268.7	5158.8	4796.2	4356.7	3867.7	3351.3	2892.6	2505.2	2271.7	2139.9	2109.7
15°	5183.5	5051.7	4573.7	3983.1	3307.4	2664.6	2164.6	1791.0	1612.5	1535.6	1557.5
17.5°	5191.8	4994.0	4351.2	3587.5	2755.2	1955.8	1477.9	1285.6	1238.9	1258.1	1258.1
20°	5183.5	4864.9	4082.0	3131.5	2109.7	1357.0	1085.1	1016.4	1046.6	1107.0	1093.3
22.5°	5139.6	4804.4	3834.8	2650.8	1552.0	1005.4	870.8	873.5	920.2	994.4	1010.9
25°	5172.5	4669.8	3521.6	2164.6	1131.8	802.1	755.4	774.6	824.1	879.0	890.0
27.5°	5147.8	4573.7	3194.7	1681.1	826.8	689.5	686.7	708.7	730.7	771.9	771.9
30°	5175.3	4485.8	2873.3	1249.9	681.2	631.8	620.8	637.3	659.3	667.5	664.8
32.5°	5276.9	4419.9	2502.5	934.0	601.6	576.9	576.9	576.9	574.1	585.1	587.9
35°	5499.4	4430.9	2175.6	722.5	549.4	530.2	521.9	510.9	505.4	510.9	513.7
37.5°	5741.2	4425.4	1837.7	615.3	510.9	494.5	475.2	458.7	456.0	461.5	453.2
40°	5848.3	4477.6	1524.6	552.1	475.2	456.0	425.8	412.0	414.8	420.3	414.8
42.5°	5993.9	4494.0	1321.3	502.7	442.3	412.0	392.8	376.3	373.6	381.8	379.1
45°	5991.1	4400.6	1107.0	475.2	412.0	379.1	354.4	340.6	340.6	346.1	348.9
47.5°	6166.9	4386.9	950.5	450.5	390.1	357.1	326.9	315.9	313.2	313.2	307.7
50°	6576.2	4579.2	829.6	423.0	362.6	332.4	307.7	293.9	282.9	277.4	274.7
52.5°	7375.6	5178.0	736.2	390.1	332.4	307.7	285.7	274.7	261.0	247.2	244.5
54°	8150.3	5796.1	730.7	362.6	307.7	291.2	271.9	266.5	250.0	230.7	225.3
55°	8499.1	6156.0	749.9	340.6	291.2	280.2	263.7	258.2	241.7	219.8	217.0
57.5°	8787.6	6296.1	738.9	282.9	263.7	261.0	247.2	239.0	219.8	189.5	184.0
60°	7073.4	4760.5	530.2	250.0	241.7	236.2	225.3	219.8	195.0	162.1	159.3
62.5°	4469.3	2738.7	337.9	219.8	211.5	203.3	189.5	184.0	162.1	129.1	120.9
65°	1903.6	1134.5	228.0	195.0	181.3	167.6	156.6	148.3	129.1	96.1	93.4
67.5°	494.5	403.8	189.5	170.3	151.1	131.9	123.6	109.9	87.9	65.9	63.2
70°	222.5	203.3	159.3	142.8	120.9	101.6	90.6	76.9	57.7	44.0	41.2
72.5°	131.9	129.1	120.9	107.1	90.6	76.9	65.9	52.2	38.5	24.7	24.7
75°	82.4	79.7	82.4	74.2	63.2	57.7	49.4	35.7	22.0	11.0	11.0
77.5°	49.4	49.4	49.4	46.7	44.0	44.0	35.7	22.0	11.0	2.7	2.7
80°	38.5	38.5	41.2	38.5	38.5	38.5	30.2	16.5	5.5	0.0	0.0
82.5°	38.5	41.2	46.7	44.0	38.5	33.0	27.5	16.5	5.5	0.0	0.0
85°	11.0	8.2	13.7	19.2	27.5	24.7	19.2	13.7	5.5	0.0	0.0
87.5°	5.5	5.5	5.5	5.5	2.7	2.7	2.7	2.7	2.7	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)