

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: P323550

Luminaire Tested: **GAN-SA6A-750-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6A-750-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23811 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

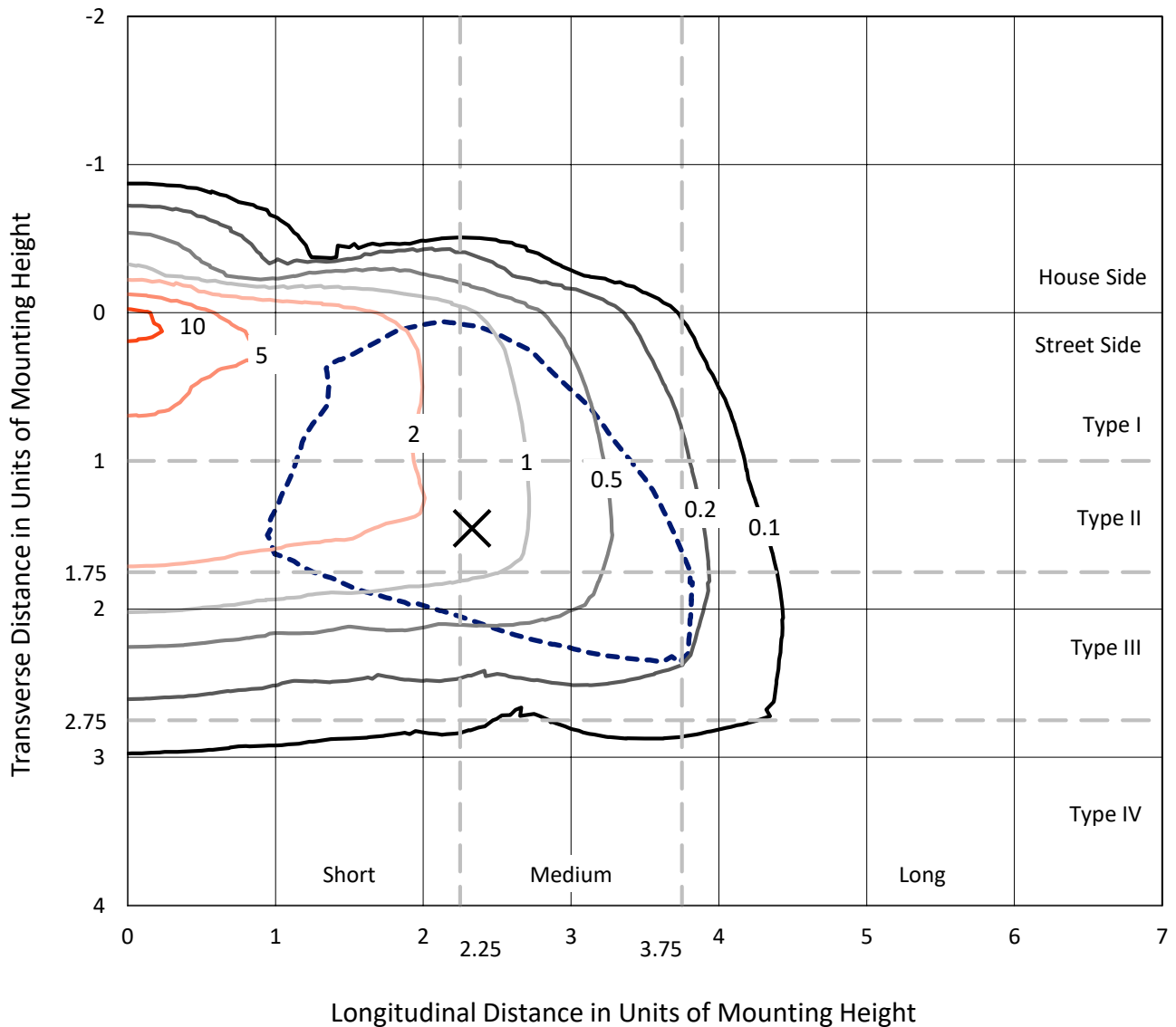
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

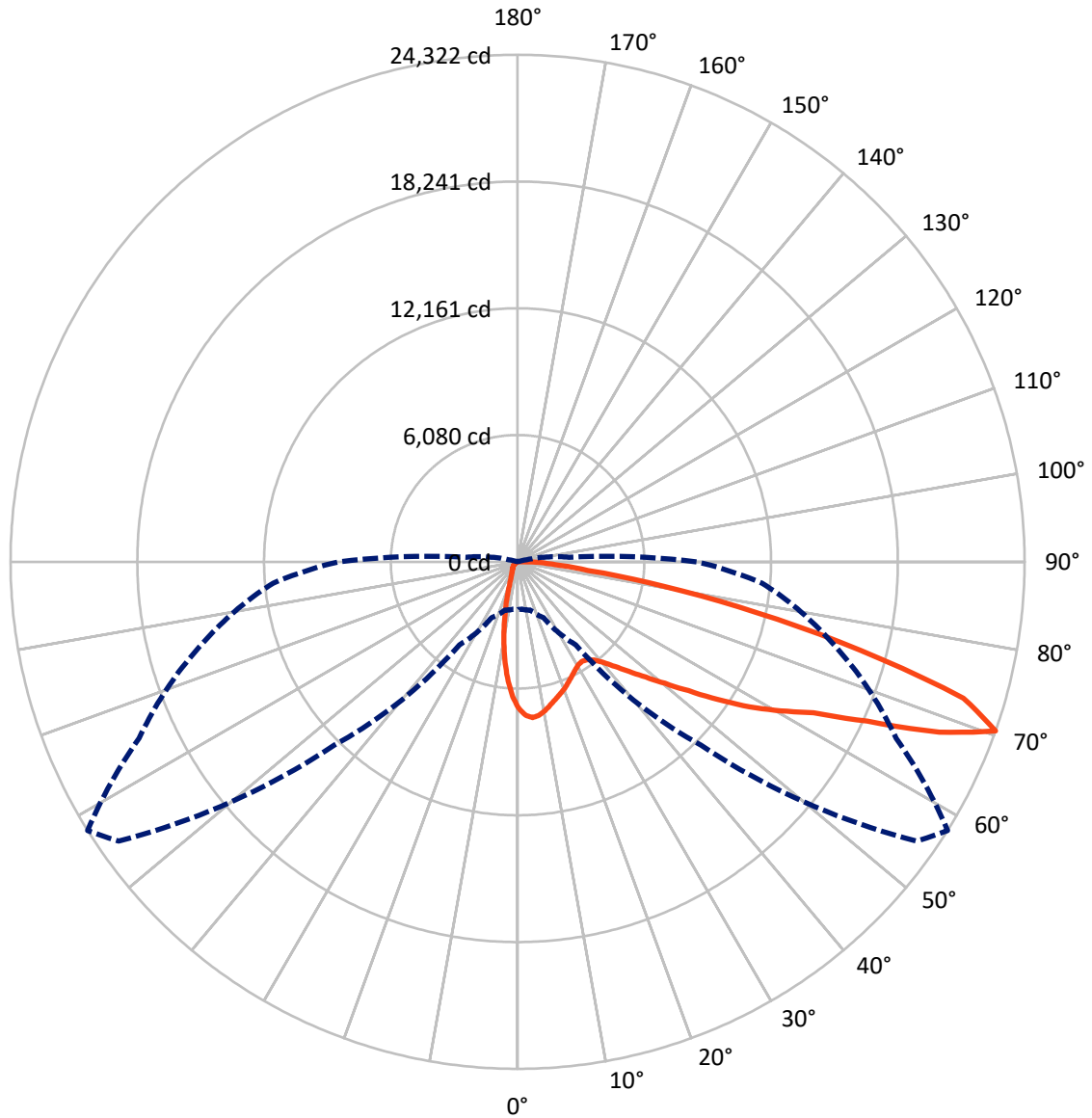
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2037.7	0.0	2037.7
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	21773.3	0.0	21773.3
	% Fixture	91.4	0.0	91.4
Total	Lumens	23811.0	0.0	23811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.2	2.4
10°-20°	1207.2	5.1
20°-30°	1587.0	6.7
30°-40°	2101.8	8.8
40°-50°	3141.5	13.2
50°-60°	5032.6	21.1
60°-70°	6343.6	26.6
70°-80°	3421.7	14.4
80°-90°	400.5	1.7
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°	23811.0	100.0
0°-180°	23811.0	100.0

Coefficient of Utilization



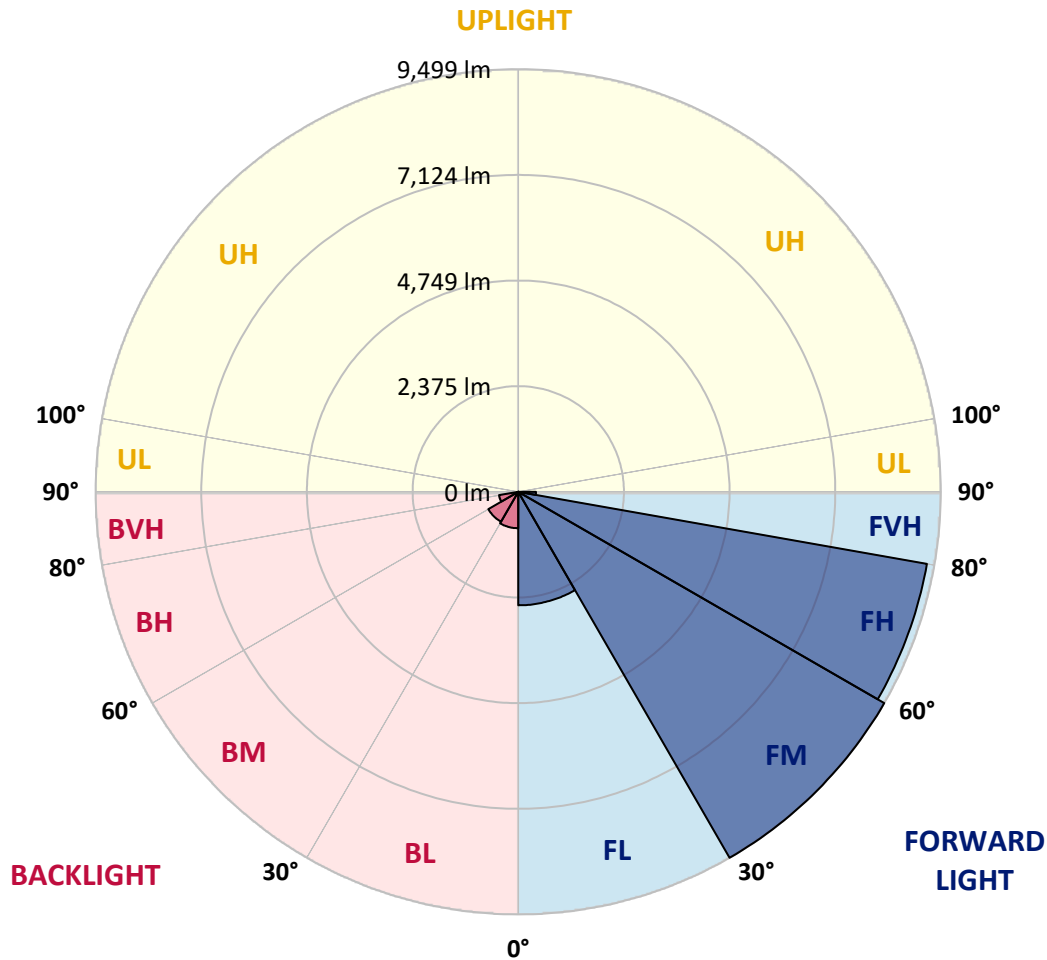
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2550.6	10.7			
FM (30°-60°)	9498.6	39.9			
FH (60°-80°)	9327.0	39.2			G4/12000
FVH (80°-90°)	397.1	1.7			G3/500
BL (0°-30°)	818.7	3.4	B2/1000		
BM (30°-60°)	777.4	3.3	B1/1000		
BH (60°-80°)	438.2	1.8	B1/500		G1/500
BVH (80°-90°)	3.5	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°	55°	58°	65°	75°	85°
0°	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7
2.5°	7616.8	7598.0	7591.1	7579.2	7533.7	7489.1	7401.0	7376.2	7320.8	7189.1	7049.5
5°	7622.8	7621.8	7642.6	7637.6	7621.8	7601.0	7537.6	7504.9	7410.9	7222.8	6967.3
7.5°	7255.4	7274.3	7320.8	7358.4	7402.0	7458.4	7466.3	7434.6	7357.4	7154.4	6815.8
10°	6762.4	6792.1	6857.4	6931.7	7045.5	7158.4	7259.4	7255.4	7228.7	7028.7	6633.7
12.5°	6268.3	6303.0	6378.2	6488.1	6649.5	6833.7	7013.9	7038.6	7083.2	6915.8	6465.3
15°	5835.6	5865.3	5939.6	6074.3	6274.3	6521.8	6786.1	6831.7	6946.5	6827.7	6324.7
17.5°	5468.3	5487.1	5541.6	5691.1	5922.8	6222.8	6566.3	6655.4	6826.7	6758.4	6203.0
20°	5211.9	5214.8	5250.5	5355.4	5587.1	5922.8	6338.6	6466.3	6700.0	6699.0	6077.2
22.5°	5085.1	5075.2	5082.2	5142.6	5312.9	5636.6	6110.9	6262.4	6586.1	6648.5	5949.5
25°	5061.4	5053.5	5033.7	5041.6	5144.5	5386.1	5881.2	6056.4	6486.1	6617.8	5838.6
27.5°	5135.6	5143.6	5109.9	5074.3	5082.2	5223.8	5677.2	5880.2	6404.9	6617.8	5760.4
30°	5285.1	5289.1	5264.4	5217.8	5155.4	5178.2	5535.6	5738.6	6364.4	6663.4	5710.9
32.5°	5450.5	5472.3	5469.3	5431.7	5342.6	5250.5	5502.0	5687.1	6361.4	6764.4	5705.9
35°	5655.4	5680.2	5721.8	5713.9	5620.8	5469.3	5616.8	5762.4	6419.8	6930.7	5759.4
37.5°	5873.3	5910.9	6000.0	6042.6	5982.2	5810.9	5874.3	5978.2	6576.2	7200.0	5895.0
40°	6084.2	6126.7	6289.1	6456.4	6410.9	6234.6	6264.4	6347.5	6854.4	7587.1	6152.5
42.5°	6291.1	6354.4	6593.1	6868.3	6922.8	6782.2	6798.0	6864.3	7267.3	8119.8	6573.3
45°	6538.6	6609.9	6963.4	7303.0	7448.5	7387.1	7454.4	7498.0	7806.9	8823.8	7140.6
47.5°	6902.0	6984.2	7417.8	7804.9	8060.4	8100.0	8235.6	8264.3	8489.1	9643.6	7880.2
50°	7610.9	7633.7	8025.7	8377.2	8745.5	8983.2	9137.6	9159.4	9314.8	10539.6	8804.0
52.5°	8503.0	8517.8	8739.6	8975.2	9394.1	9879.2	10240.6	10271.3	10304.0	11412.9	9715.8
55°	9389.1	9387.1	9533.7	9672.3	10151.5	10856.4	11640.6	11659.4	11424.7	12241.6	10412.9
57.5°	9942.6	9996.0	10218.8	10397.0	11066.3	11970.3	13058.4	13127.7	12602.0	12855.4	11102.0
60°	9766.3	9792.1	10286.1	10945.5	12205.9	13553.5	14493.1	14510.9	13487.1	13468.3	11973.3
62.5°	8320.8	8334.6	9110.9	10470.3	12783.2	15606.9	16223.7	15933.6	14504.9	14318.8	13015.8
65°	5703.0	5793.1	6441.6	8121.8	11722.8	16895.0	18903.0	18422.8	16056.4	15544.5	13958.4
67.5°	3358.4	3339.6	3660.4	4898.0	8609.9	16039.6	22292.1	21814.8	18172.3	16365.3	13682.2
70°	2294.1	2281.2	2404.0	2965.3	4860.4	12442.6	23358.4	24321.8	20040.6	15812.9	11775.2
72.5°	1637.6	1644.6	1825.7	2304.0	3051.5	7249.5	20087.1	22367.3	19455.4	13785.1	8950.5
75°	1111.9	1130.7	1390.1	1890.1	2675.2	3688.1	14254.4	17003.0	15842.6	10018.8	5144.5
77.5°	598.0	618.8	924.8	1522.8	2418.8	2562.4	9169.3	11702.0	9951.5	4504.0	1491.1
80°	249.5	261.4	432.7	1106.9	2090.1	2250.5	5395.0	7096.0	4240.6	888.1	332.7
82.5°	107.9	113.9	180.2	660.4	1562.4	1900.0	2856.4	3413.9	1285.1	195.0	167.3
85°	20.8	21.8	74.3	349.5	997.0	1072.3	1851.5	1814.8	577.2	84.2	121.8
87.5°	0.0	0.0	17.8	109.9	293.1	584.2	1129.7	1115.8	196.0	40.6	45.5
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°	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7	7033.7
2.5°	6978.2	6909.9	6766.3	6589.1	6453.5	6304.0	6185.1	6034.6	5969.3	5972.3	5936.6
5°	6821.8	6681.2	6363.4	5962.4	5653.5	5334.6	5060.4	4787.1	4625.7	4573.3	4523.8
7.5°	6598.0	6375.2	5868.3	5250.5	4727.7	4216.8	3772.3	3381.2	3133.7	3012.9	2968.3
10°	6345.5	6032.7	5299.0	4485.1	3738.6	3047.5	2471.3	1970.3	1770.3	1634.7	1600.0
12.5°	6123.8	5700.0	4742.6	3700.0	2813.9	1980.2	1430.7	1118.8	983.2	929.7	920.8
15°	5914.8	5389.1	4206.9	2989.1	1948.5	1218.8	909.9	804.0	772.3	763.4	763.4
17.5°	5717.8	5093.1	3683.2	2289.1	1289.1	854.5	753.5	729.7	719.8	718.8	719.8
20°	5511.9	4797.0	3168.3	1677.2	900.0	723.8	696.0	683.2	680.2	680.2	680.2
22.5°	5314.8	4501.0	2667.3	1198.0	721.8	660.4	646.5	637.6	634.7	633.7	631.7
25°	5125.7	4219.8	2178.2	846.5	633.7	604.9	593.1	581.2	572.3	567.3	564.4
27.5°	4970.3	3969.3	1722.8	679.2	572.3	547.5	532.7	514.9	493.1	483.2	479.2
30°	4846.5	3740.6	1327.7	573.3	514.9	490.1	467.3	436.6	405.0	388.1	387.1
32.5°	4749.5	3515.8	1007.9	506.9	463.4	432.7	400.0	361.4	324.8	305.9	305.0
35°	4702.0	3317.8	770.3	458.4	417.8	379.2	338.6	296.0	260.4	242.6	240.6
37.5°	4733.7	3150.5	601.0	417.8	379.2	334.7	287.1	242.6	210.9	195.0	194.1
40°	4849.5	3043.6	488.1	383.2	346.5	292.1	240.6	199.0	172.3	159.4	158.4
42.5°	5096.0	3004.0	416.8	354.5	314.9	252.5	200.0	164.4	139.6	130.7	128.7
45°	5507.9	3062.4	368.3	326.7	282.2	214.9	165.3	134.7	112.9	105.9	105.0
47.5°	6056.4	3215.8	333.7	300.0	252.5	181.2	137.6	108.9	92.1	85.1	84.2
50°	6763.4	3459.4	305.0	273.3	224.8	153.5	113.9	86.1	71.3	66.3	66.3
52.5°	7532.7	3749.5	279.2	248.5	197.0	127.7	92.1	66.3	56.4	50.5	50.5
55°	8168.3	4003.0	251.5	229.7	163.4	105.9	70.3	50.5	41.6	38.6	38.6
57.5°	8803.0	4273.3	219.8	197.0	130.7	86.1	53.5	37.6	30.7	28.7	28.7
60°	9625.7	4604.0	189.1	160.4	103.0	65.3	39.6	26.7	22.8	21.8	21.8
62.5°	10530.7	4798.0	161.4	128.7	80.2	48.5	28.7	17.8	16.8	16.8	15.8
65°	11084.1	4523.8	135.6	103.0	62.4	36.6	18.8	12.9	14.9	13.9	11.9
67.5°	10378.2	3541.6	110.9	80.2	48.5	27.7	11.9	8.9	15.8	12.9	9.9
70°	8593.1	2479.2	86.1	56.4	38.6	23.8	7.9	5.9	16.8	12.9	7.9
72.5°	6430.7	1659.4	68.3	37.6	28.7	20.8	6.9	3.0	14.9	10.9	6.9
75°	3513.9	668.3	54.5	23.8	17.8	14.9	5.0	2.0	9.9	7.9	5.0
77.5°	924.8	176.2	39.6	15.8	9.9	5.9	3.0	1.0	5.0	4.0	2.0
80°	235.6	68.3	25.7	10.9	6.9	3.0	0.0	0.0	1.0	0.0	0.0
82.5°	125.7	28.7	15.8	7.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	95.0	18.8	8.9	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	36.6	5.9	3.0	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)