

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: P459360

Luminaire Tested: **GLAN-SA8B-735-U-SL2-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459360
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8B-735-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35031 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G5

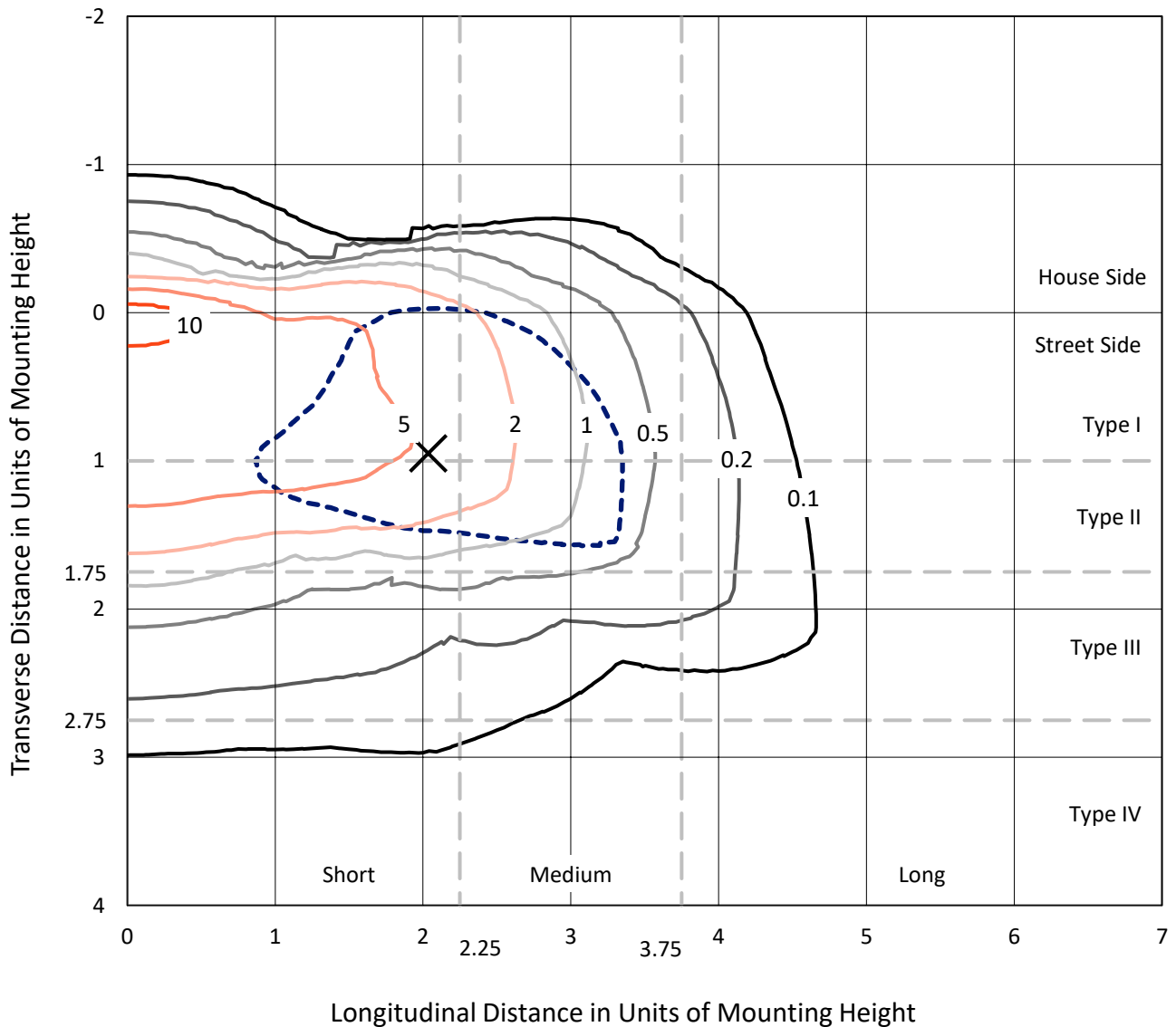
Input Watts (W): 325
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

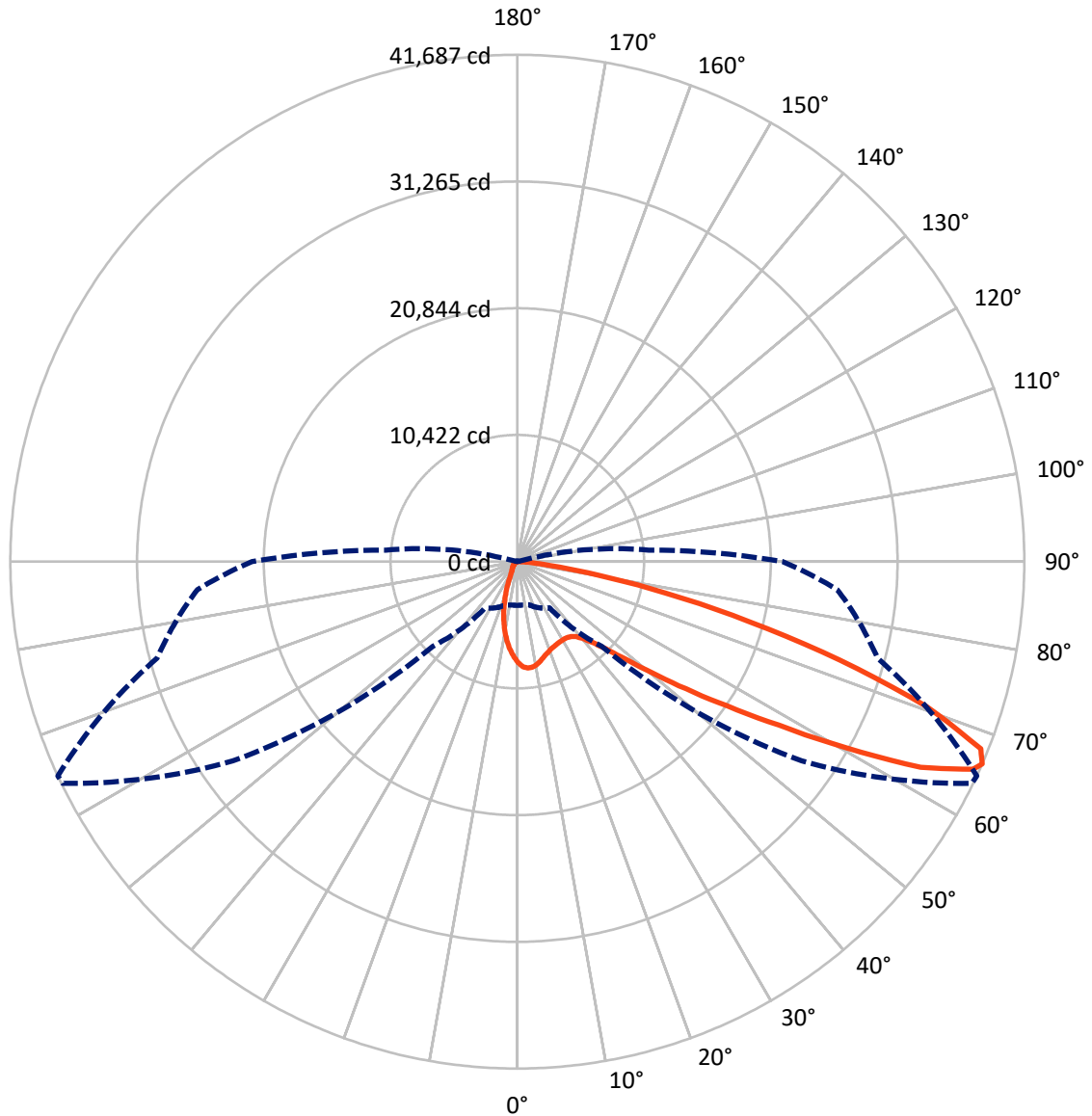
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3622.7	0.0	3622.7
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	31408.3	0.0	31408.3
	% Fixture	89.7	0.0	89.7
Total	Lumens	35031.0	0.0	35031.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.4	1.9
10°-20°	1480.3	4.2
20°-30°	2120.5	6.1
30°-40°	3097.2	8.8
40°-50°	5193.5	14.8
50°-60°	8667.2	24.7
60°-70°	9199.9	26.3
70°-80°	4166.6	11.9
80°-90°	426.3	1.2
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°	35031.0	100.0
0°-180°	35031.0	100.0

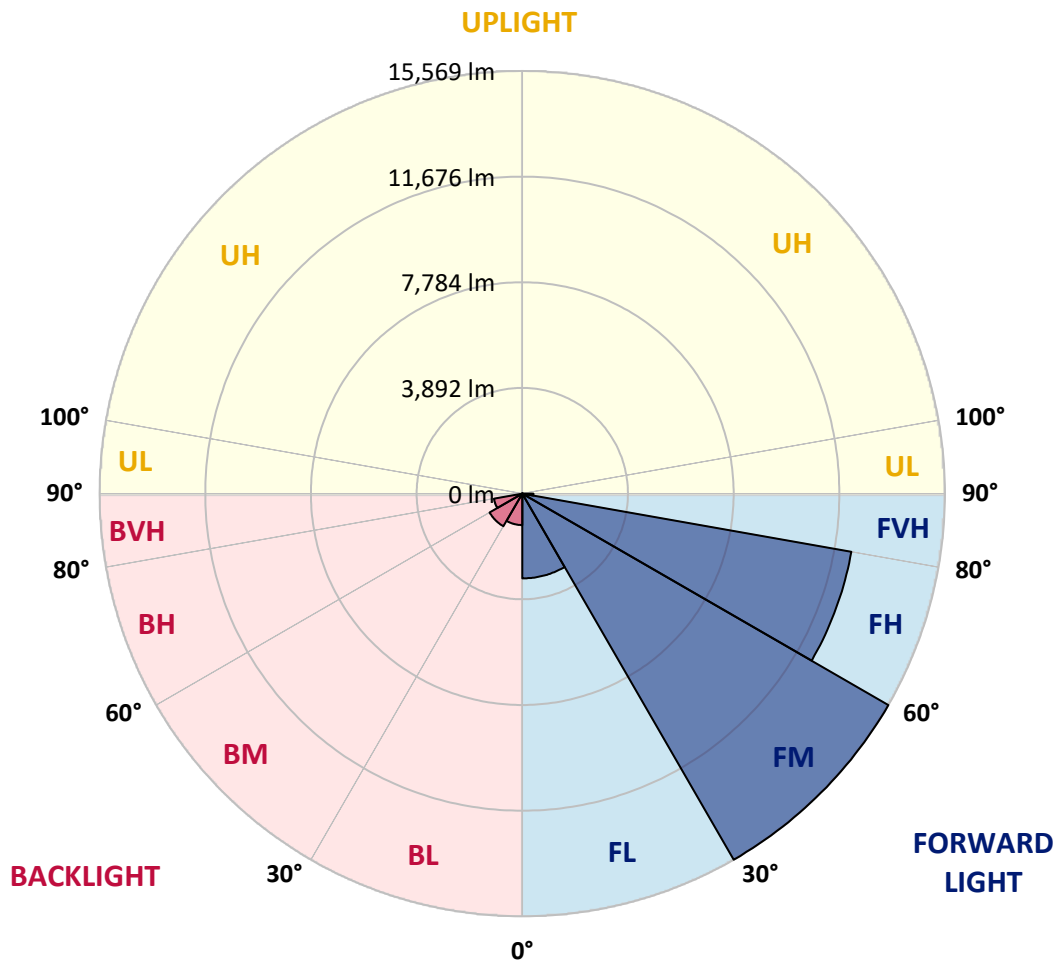


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3121.4	8.9			
FM (30°-60°)	15568.6	44.4			
FH (60°-80°)	12305.6	35.1			G5
FVH (80°-90°)	412.7	1.2			G3/500
BL (0°-30°)	1158.9	3.3	B3/2500		
BM (30°-60°)	1389.3	4.0	B2/2500		
BH (60°-80°)	1060.9	3.0	B3/2500		G3/2500
BVH (80°-90°)	13.6	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1
2.5°	8754.3	8763.8	8775.6	8792.2	8804.0	8768.5	8718.8	8662.0	8650.2	8529.5	8382.9
5°	8285.8	8300.0	8404.1	8460.9	8588.7	8704.6	8778.0	8787.4	8782.7	8669.1	8434.9
7.5°	7618.6	7658.8	7760.6	7860.0	8098.9	8319.0	8579.2	8761.4	8773.3	8742.5	8451.5
10°	7076.8	7102.8	7154.9	7351.3	7550.0	7886.0	8250.4	8593.4	8621.8	8744.9	8437.3
12.5°	6653.3	6691.1	6755.0	6906.5	7145.4	7462.5	7876.5	8337.9	8397.1	8699.9	8397.1
15°	6357.5	6376.5	6440.3	6589.4	6821.3	7114.7	7533.4	8070.5	8122.6	8640.8	8390.0
17.5°	6217.9	6239.2	6284.2	6402.5	6594.1	6866.2	7275.6	7855.2	7921.5	8602.9	8416.0
20°	6255.8	6274.7	6277.1	6338.6	6468.7	6698.2	7086.3	7654.1	7739.3	8579.2	8458.6
22.5°	6471.1	6473.5	6445.1	6416.7	6461.6	6627.3	6970.3	7526.4	7613.9	8574.5	8508.3
25°	6792.9	6800.0	6752.7	6653.3	6563.4	6648.6	6944.3	7443.5	7521.6	8562.7	8539.0
27.5°	7237.7	7235.3	7221.1	7055.5	6800.0	6743.2	6965.6	7398.6	7464.8	8529.5	8550.8
30°	7860.0	7841.0	7810.3	7623.4	7233.0	6972.7	7055.5	7370.2	7431.7	8482.2	8520.1
32.5°	8472.8	8543.7	8539.0	8361.6	7874.2	7382.0	7242.4	7408.0	7453.0	8451.5	8475.1
35°	9187.3	9184.9	9367.1	9300.9	8730.7	7904.9	7561.8	7533.4	7568.9	8472.8	8453.8
37.5°	9849.8	9911.3	10195.2	10263.9	9743.3	8643.1	8013.8	7803.2	7815.0	8617.1	8505.9
40°	10675.5	10793.8	11217.4	11446.9	10987.9	9738.6	8681.0	8297.7	8300.0	8972.0	8702.3
42.5°	11740.3	11927.2	12322.3	12705.6	12459.5	11035.2	9681.8	9080.8	9076.1	9596.6	9151.8
45°	13034.5	13164.6	13614.2	14222.2	14066.1	12845.2	11139.3	10294.6	10233.1	10621.1	9949.2
47.5°	14151.2	14328.7	14785.3	15478.6	16188.4	15055.1	12880.7	11962.7	11922.4	12251.3	11316.7
50°	14638.6	14794.8	15275.1	16247.5	17967.7	17955.8	15473.9	14397.3	14328.7	14506.1	13432.0
52.5°	14103.9	14250.6	14735.7	15947.1	18805.2	21490.7	19231.1	17451.9	17369.0	17141.9	15958.9
55°	12272.6	12393.3	13110.2	14501.4	18483.5	23847.2	24408.0	21225.7	20903.9	20021.4	18819.4
57.5°	9771.7	9710.2	10155.0	11771.0	16595.4	24637.5	29722.1	25927.0	25352.0	22510.4	21239.9
60°	6771.6	6960.9	7140.7	8205.4	12478.5	23267.6	33027.5	31837.3	31080.2	24959.3	23558.6
62.5°	4978.1	5103.5	5221.8	5714.0	7845.8	18578.1	33611.9	37908.6	37236.6	27559.6	25770.8
65°	3937.1	3946.5	3993.9	4478.9	5169.8	12081.0	30803.4	41332.2	41159.5	30062.8	26667.6
66°	3586.9	3589.3	3662.6	4183.1	4639.8	9838.0	28553.3	41592.5	41687.1	30663.8	26404.9
67.5°	3135.0	3125.5	3232.0	3759.6	4225.7	7093.4	24526.3	40537.2	41098.0	31125.2	25460.9
70°	2429.9	2418.1	2548.2	3153.9	3892.1	4732.1	16302.0	34806.7	35710.5	30181.1	22527.0
72.5°	1618.4	1627.8	1850.2	2489.1	3714.7	4166.6	9807.2	26478.3	27755.9	24923.8	17721.6
75°	944.0	960.6	1213.8	1850.2	3224.9	3972.6	5550.7	18880.9	19697.2	17210.5	11039.9
77.5°	494.5	501.6	679.1	1220.9	2472.5	3688.6	3698.1	12062.0	12445.3	8363.9	4370.1
80°	262.6	255.5	364.4	735.8	1701.2	3239.1	3000.1	6385.9	6639.1	2484.3	1104.9
82.5°	99.4	108.8	194.0	482.7	1005.6	2325.8	2583.7	2822.7	2735.1	546.6	463.7
85°	18.9	23.7	82.8	286.3	506.3	972.4	1904.7	1384.1	1282.4	205.8	267.4
87.5°	2.4	4.7	23.7	68.6	73.3	328.9	563.1	383.3	331.2	75.7	111.2
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°	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1	8307.1
2.5°	8311.9	8248.0	8035.0	7824.5	7609.2	7415.1	7282.6	7067.3	7012.9	6934.8	6889.9
5°	8295.3	8146.3	7736.9	7289.7	6873.3	6423.8	6080.7	5749.5	5572.0	5482.1	5449.0
7.5°	8248.0	8011.4	7372.6	6672.2	6005.0	5333.0	4748.6	4303.8	4017.5	3821.1	3688.6
10°	8153.3	7826.8	6949.0	5986.1	4978.1	4090.9	3350.3	2787.2	2351.8	2214.6	2219.3
12.5°	8056.3	7621.0	6475.8	5224.2	3974.9	2855.8	2070.3	1625.5	1417.3	1348.6	1334.4
15°	7966.4	7424.6	6012.1	4486.0	2959.9	1850.2	1334.4	1178.3	1121.5	1109.7	1107.3
17.5°	7919.1	7242.4	5517.6	3641.3	2065.5	1256.4	1069.4	1026.9	1010.3	998.5	993.7
20°	7878.9	7083.9	5044.4	2851.1	1412.5	1029.2	958.2	918.0	889.6	877.8	870.7
22.5°	7850.5	6920.6	4554.6	2207.5	1081.3	913.3	849.4	797.4	757.1	742.9	733.5
25°	7807.9	6740.8	4060.1	1613.6	910.9	811.5	738.2	676.7	624.6	598.6	593.9
27.5°	7746.4	6537.3	3518.3	1194.8	813.9	721.6	631.7	556.0	504.0	475.6	477.9
30°	7647.0	6324.4	2976.5	948.8	735.8	629.4	532.4	459.0	409.3	388.0	385.7
32.5°	7528.7	6066.5	2479.6	813.9	664.9	546.6	444.8	380.9	343.1	326.5	324.1
35°	7417.5	5806.2	1973.3	731.1	591.5	470.8	373.8	319.4	291.0	276.8	279.2
37.5°	7356.0	5574.4	1537.9	664.9	532.4	404.6	321.8	274.5	248.4	236.6	234.2
40°	7396.2	5385.1	1223.2	605.7	466.1	347.8	276.8	236.6	210.6	194.0	194.0
42.5°	7585.5	5302.3	986.6	548.9	404.6	300.5	241.3	203.5	175.1	158.5	160.9
45°	8162.8	5389.8	825.7	496.9	347.8	260.3	208.2	168.0	142.0	130.1	127.8
47.5°	9121.1	5718.7	714.5	442.4	298.1	222.4	175.1	139.6	113.6	104.1	101.7
50°	10796.2	6397.8	631.7	388.0	253.2	189.3	144.3	111.2	89.9	80.4	80.4
52.5°	13100.7	7878.9	572.6	326.5	212.9	160.9	118.3	89.9	71.0	63.9	61.5
55°	15509.3	9440.5	541.8	274.5	177.5	132.5	94.6	71.0	54.4	47.3	45.0
57.5°	17825.7	10666.1	506.3	222.4	142.0	101.7	73.3	54.4	37.9	33.1	30.8
60°	20047.4	11657.4	430.6	177.5	111.2	73.3	54.4	37.9	26.0	21.3	21.3
62.5°	22034.9	12234.8	338.3	142.0	85.2	52.1	35.5	28.4	18.9	14.2	14.2
65°	22266.7	11484.7	255.5	108.8	61.5	33.1	21.3	21.3	14.2	9.5	9.5
66°	21800.6	10848.3	224.8	99.4	54.4	28.4	18.9	16.6	11.8	7.1	7.1
67.5°	20759.6	9762.3	194.0	85.2	45.0	21.3	14.2	14.2	9.5	4.7	4.7
70°	17936.9	7973.5	153.8	63.9	33.1	16.6	9.5	9.5	7.1	4.7	4.7
72.5°	13670.9	5952.9	125.4	47.3	23.7	11.8	7.1	7.1	7.1	4.7	4.7
75°	8245.6	3206.0	97.0	35.5	21.3	9.5	4.7	7.1	9.5	7.1	4.7
77.5°	3038.0	1090.7	75.7	28.4	16.6	9.5	4.7	4.7	9.5	7.1	7.1
80°	745.3	283.9	54.4	23.7	16.6	9.5	4.7	4.7	9.5	9.5	9.5
82.5°	345.4	120.7	37.9	21.3	16.6	9.5	4.7	4.7	7.1	9.5	9.5
85°	198.7	56.8	30.8	23.7	16.6	9.5	4.7	4.7	7.1	9.5	9.5
87.5°	80.4	28.4	28.4	23.7	18.9	11.8	4.7	4.7	4.7	7.1	7.1
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)