

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: P650516

Luminaire Tested: **GLAN-SA7B-835-U-SL2-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650516
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-SA7B-835-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 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: 25398.2 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

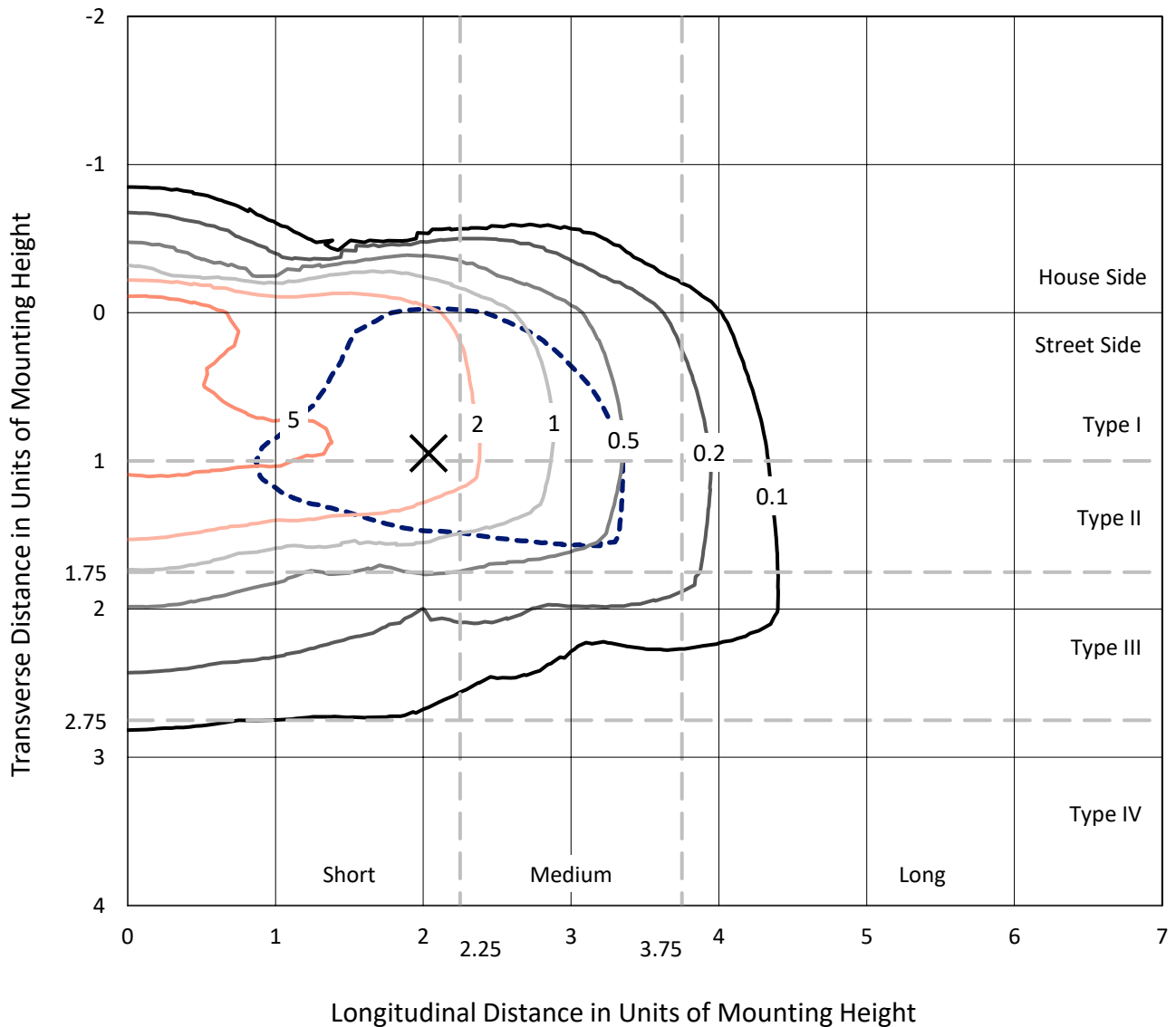
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

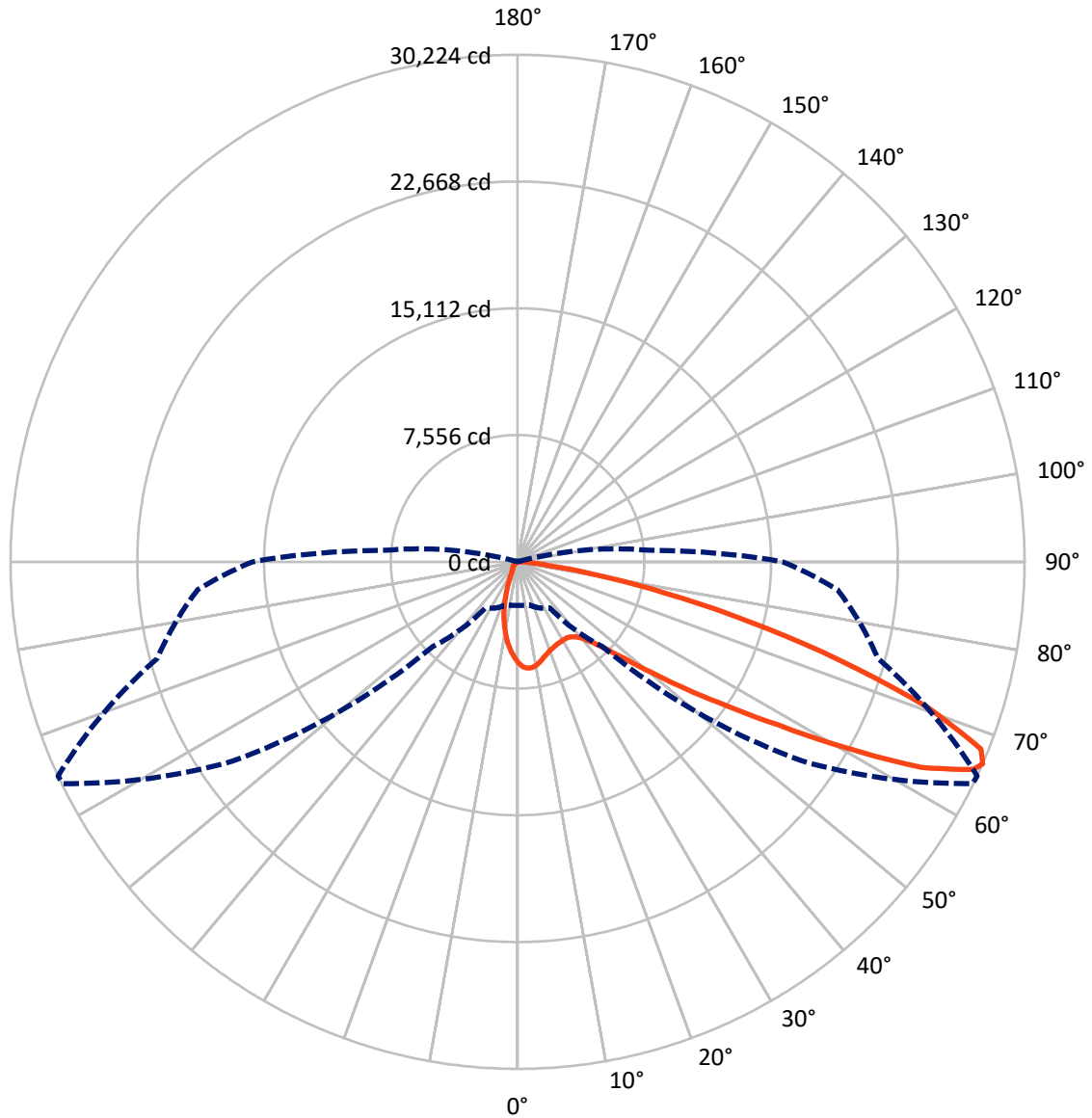
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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	2626.5	0.0	2626.5
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	22771.6	0.0	22771.6
	% Fixture	89.7	0.0	89.7
Total	Lumens	25398.2	0.0	25398.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.6	1.9
10°-20°	1073.3	4.2
20°-30°	1537.4	6.1
30°-40°	2245.6	8.8
40°-50°	3765.4	14.8
50°-60°	6283.9	24.7
60°-70°	6670.1	26.3
70°-80°	3020.9	11.9
80°-90°	309.1	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°	25398.2	100.0
0°-180°	25398.2	100.0

Coefficient of Utilization

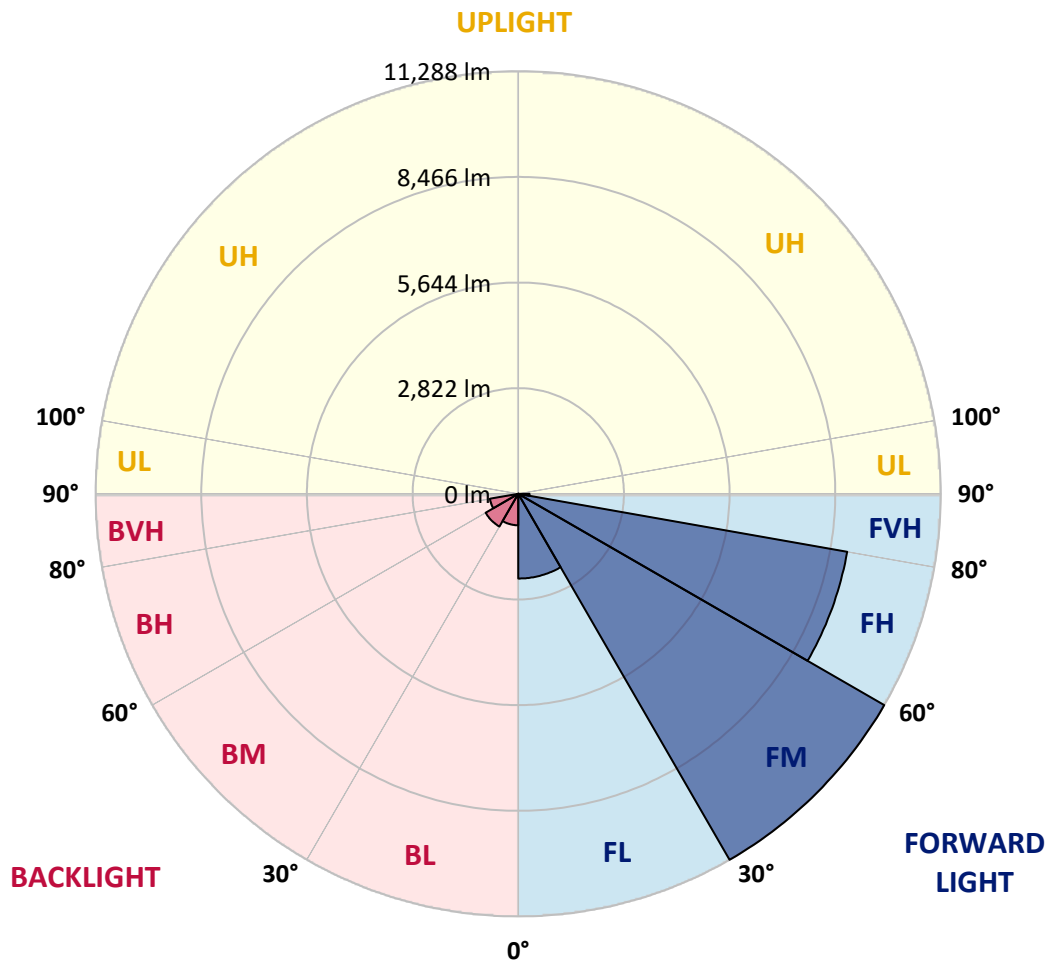


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2263.1	8.9			
FM (30°-60°)	11287.5	44.4			
FH (60°-80°)	8921.8	35.1			G4/12000
FVH (80°-90°)	299.2	1.2			G3/500
BL (0°-30°)	840.2	3.3	B2/1000		
BM (30°-60°)	1007.3	4.0	B2/2500		
BH (60°-80°)	769.2	3.0	B2/1000		G2/1000
BVH (80°-90°)	9.8	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°	64°	65°	75°	85°
0°	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8
2.5°	6347.1	6353.9	6362.5	6374.5	6383.1	6357.3	6321.3	6280.1	6271.6	6184.1	6077.7
5°	6007.4	6017.7	6093.1	6134.3	6227.0	6311.1	6364.2	6371.0	6367.7	6285.3	6115.5
7.5°	5523.7	5552.8	5626.6	5698.6	5871.9	6031.4	6220.2	6352.2	6360.8	6338.5	6127.4
10°	5130.8	5149.7	5187.5	5329.8	5473.9	5717.5	5981.7	6230.4	6251.0	6340.2	6117.2
12.5°	4823.7	4851.2	4897.5	5007.3	5180.6	5410.5	5710.7	6045.2	6088.1	6307.6	6088.1
15°	4609.4	4623.1	4669.3	4777.5	4945.6	5158.2	5461.9	5851.3	5889.0	6264.7	6082.9
17.5°	4508.1	4523.5	4556.1	4641.9	4780.8	4978.2	5274.9	5695.2	5743.2	6237.3	6101.8
20°	4535.6	4549.3	4551.0	4595.6	4689.9	4856.3	5137.7	5549.4	5611.1	6220.2	6132.6
22.5°	4691.7	4693.4	4672.8	4652.2	4684.8	4804.9	5053.6	5456.7	5520.2	6216.7	6168.6
25°	4925.0	4930.1	4895.8	4823.7	4758.6	4820.3	5034.8	5396.7	5453.4	6208.1	6190.9
27.5°	5247.5	5245.8	5235.5	5115.4	4930.1	4889.0	5050.2	5364.1	5412.2	6184.1	6199.6
30°	5698.6	5684.9	5662.6	5527.1	5244.1	5055.4	5115.4	5343.5	5388.1	6149.8	6177.2
32.5°	6142.9	6194.4	6190.9	6062.3	5708.9	5352.1	5250.9	5371.0	5403.6	6127.4	6144.7
35°	6661.0	6659.3	6791.4	6743.4	6329.9	5731.2	5482.5	5461.9	5487.7	6142.9	6129.2
37.5°	7141.3	7185.9	7391.8	7441.5	7064.1	6266.4	5810.1	5657.5	5666.0	6247.6	6166.9
40°	7740.0	7825.8	8132.8	8299.2	7966.4	7060.7	6293.9	6015.9	6017.7	6504.9	6309.3
42.5°	8511.9	8647.5	8933.9	9211.8	9033.4	8000.7	7019.5	6583.8	6580.3	6957.7	6635.2
45°	9450.3	9544.6	9870.5	10311.4	10198.2	9313.0	8076.2	7463.8	7419.2	7700.5	7213.3
47.5°	10260.0	10388.6	10719.7	11222.3	11736.9	10915.3	9338.8	8673.1	8644.0	8882.4	8204.8
50°	10613.3	10726.6	11074.8	11779.8	13026.9	13018.3	11218.8	10438.3	10388.6	10517.3	9738.4
52.5°	10225.6	10332.0	10683.6	11561.9	13634.1	15581.2	13943.0	12653.0	12592.9	12428.2	11570.5
55°	8897.9	8985.4	9505.2	10513.8	13400.9	17289.7	17696.3	15389.0	15155.7	14515.9	13644.5
57.5°	7084.7	7040.1	7362.5	8534.2	12032.0	17862.7	21549.1	18797.6	18380.8	16320.5	15399.3
60°	4909.6	5046.7	5177.1	5949.1	9047.1	16869.4	23945.5	23082.7	22533.8	18096.0	17080.4
62.5°	3609.2	3700.1	3786.0	4142.8	5688.3	13469.5	24369.3	27484.5	26997.3	19981.2	18684.3
65°	2854.4	2861.3	2895.6	3247.3	3748.2	8759.0	22333.0	29966.7	29841.5	21796.1	19334.5
66°	2600.6	2602.3	2655.5	3032.9	3363.9	7132.7	20701.7	30155.4	30224.0	22231.9	19144.1
67.5°	2273.0	2266.1	2343.3	2725.8	3063.7	5142.8	17782.1	29390.3	29796.8	22566.4	18459.6
70°	1761.8	1753.1	1847.5	2286.7	2821.9	3430.9	11819.2	25235.5	25890.8	21881.9	16332.5
72.5°	1173.3	1180.2	1341.4	1804.7	2693.2	3020.9	7110.4	19197.3	20123.6	18070.2	12848.5
75°	684.4	696.5	880.0	1341.4	2338.1	2880.2	4024.4	13689.0	14280.9	12478.0	8004.1
77.5°	358.5	363.7	492.4	885.2	1792.6	2674.3	2681.2	8745.2	9023.1	6064.0	3168.4
80°	190.4	185.3	264.2	533.5	1233.4	2348.4	2175.2	4630.0	4813.5	1801.2	801.1
82.5°	72.0	78.9	140.6	349.9	729.1	1686.3	1873.2	2046.5	1983.0	396.3	336.2
85°	13.7	17.1	60.1	207.6	367.1	705.0	1380.9	1003.5	929.7	149.2	193.9
87.5°	1.7	3.4	17.1	49.7	53.2	238.4	408.3	277.9	240.1	54.9	80.6
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°	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8	6022.8
2.5°	6026.3	5979.9	5825.6	5672.9	5516.8	5376.2	5280.1	5124.0	5084.5	5027.9	4995.3
5°	6014.3	5906.2	5609.4	5285.2	4983.3	4657.4	4408.6	4168.5	4039.8	3974.7	3950.6
7.5°	5979.9	5808.5	5345.2	4837.5	4353.7	3866.5	3442.9	3120.3	2912.8	2770.4	2674.3
10°	5911.3	5674.6	5038.2	4340.0	3609.2	2965.9	2429.0	2020.8	1705.1	1605.6	1609.1
12.5°	5841.0	5525.4	4695.1	3787.7	2881.9	2070.5	1501.0	1178.5	1027.5	977.8	967.5
15°	5775.8	5383.0	4358.9	3252.4	2146.0	1341.4	967.5	854.3	813.1	804.5	802.8
17.5°	5741.5	5250.9	4000.3	2640.0	1497.6	910.9	775.4	744.5	732.5	723.9	720.4
20°	5712.4	5135.9	3657.3	2067.1	1024.1	746.2	694.8	665.6	645.0	636.4	631.3
22.5°	5691.8	5017.6	3302.2	1600.5	783.9	662.2	615.8	578.1	549.0	538.6	531.8
25°	5660.9	4887.3	2943.7	1169.9	660.5	588.4	535.2	490.6	452.9	434.0	430.6
27.5°	5616.3	4739.7	2550.9	866.3	590.1	523.2	458.1	403.1	365.3	344.8	346.5
30°	5544.3	4585.3	2158.0	687.9	533.5	456.3	385.9	332.8	296.8	281.3	279.6
32.5°	5458.4	4398.3	1797.8	590.1	482.0	396.3	322.5	276.2	248.8	236.7	235.0
35°	5377.9	4209.6	1430.7	530.1	428.8	341.4	271.1	231.6	211.0	200.7	202.4
37.5°	5333.2	4041.5	1115.0	482.0	385.9	293.3	233.3	199.0	180.1	171.6	169.8
40°	5362.4	3904.3	886.9	439.2	337.9	252.2	200.7	171.6	152.7	140.6	140.6
42.5°	5499.6	3844.3	715.3	398.0	293.3	217.8	175.0	147.5	126.9	114.9	116.7
45°	5918.2	3907.7	598.7	360.3	252.2	188.7	151.0	121.8	102.9	94.4	92.6
47.5°	6613.0	4146.1	518.0	320.8	216.1	161.2	126.9	101.2	82.4	75.5	73.8
50°	7827.5	4638.5	458.1	281.3	183.5	137.3	104.6	80.6	65.2	58.3	58.3
52.5°	9498.3	5712.4	415.1	236.7	154.4	116.7	85.7	65.2	51.4	46.4	44.6
55°	11244.6	6844.5	392.8	199.0	128.6	96.1	68.6	51.4	39.5	34.3	32.6
57.5°	12924.0	7733.1	367.1	161.2	102.9	73.8	53.2	39.5	27.5	24.0	22.3
60°	14534.8	8451.9	312.2	128.6	80.6	53.2	39.5	27.5	18.9	15.4	15.4
62.5°	15975.7	8870.5	245.3	102.9	61.8	37.7	25.8	20.6	13.7	10.3	10.3
65°	16143.8	8326.7	185.3	78.9	44.6	24.0	15.4	15.4	10.3	6.9	6.9
66°	15805.9	7865.2	162.9	72.0	39.5	20.6	13.7	12.0	8.6	5.2	5.2
67.5°	15051.1	7077.9	140.6	61.8	32.6	15.4	10.3	10.3	6.9	3.4	3.4
70°	13004.6	5781.0	111.5	46.4	24.0	12.0	6.9	6.9	5.2	3.4	3.4
72.5°	9911.7	4316.0	90.9	34.3	17.1	8.6	5.2	5.2	5.2	3.4	3.4
75°	5978.2	2324.4	70.3	25.8	15.4	6.9	3.4	5.2	6.9	5.2	3.4
77.5°	2202.6	790.8	54.9	20.6	12.0	6.9	3.4	3.4	6.9	5.2	5.2
80°	540.3	205.9	39.5	17.1	12.0	6.9	3.4	3.4	6.9	6.9	6.9
82.5°	250.5	87.5	27.5	15.4	12.0	6.9	3.4	3.4	5.2	6.9	6.9
85°	144.1	41.2	22.3	17.1	12.0	6.9	3.4	3.4	5.2	6.9	6.9
87.5°	58.3	20.6	20.6	17.1	13.7	8.6	3.4	3.4	3.4	5.2	5.2
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)