

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: P532666

Luminaire Tested: **GLAN-SA8A-735-U-T3R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-735-U-T3R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30030 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

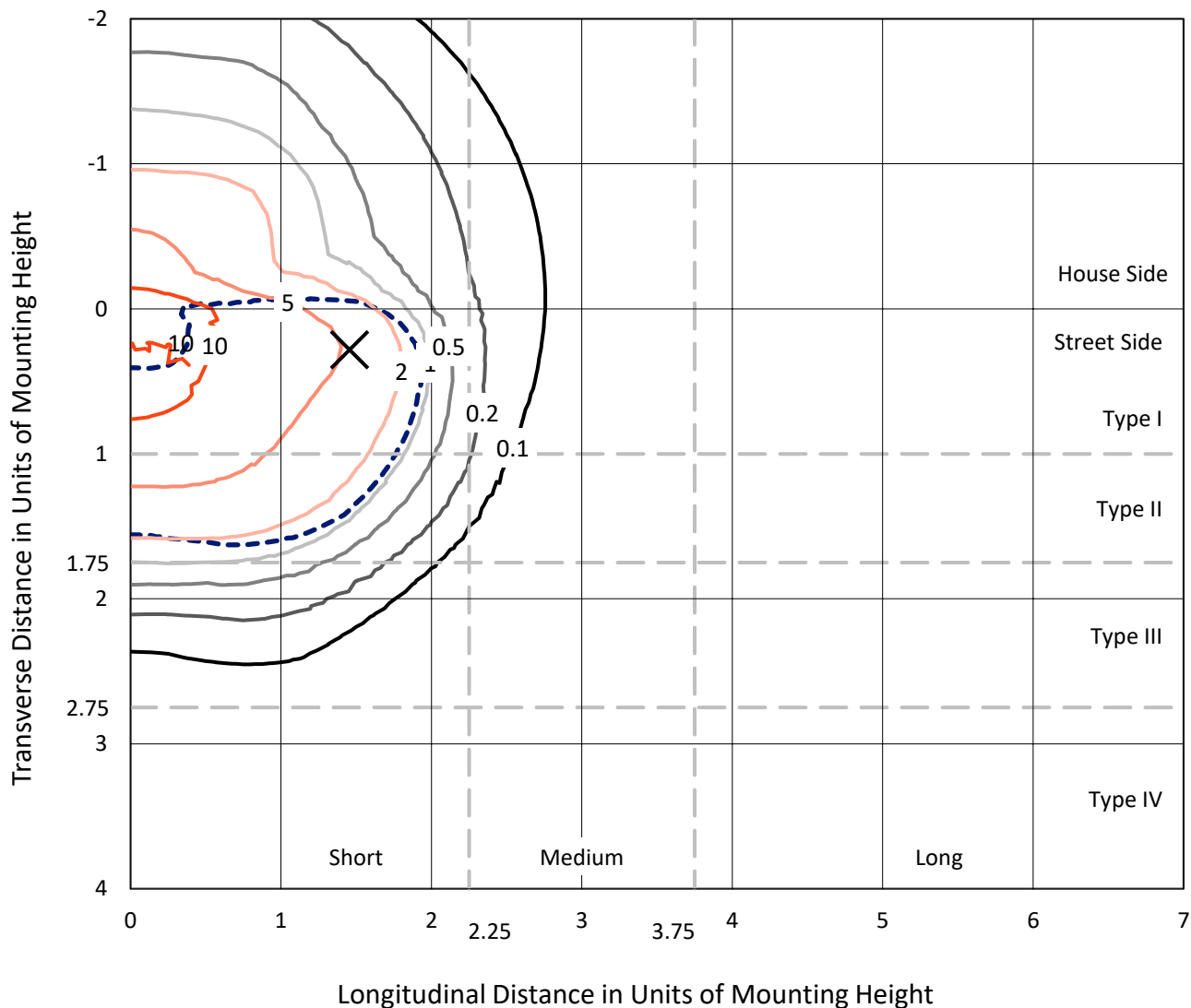
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

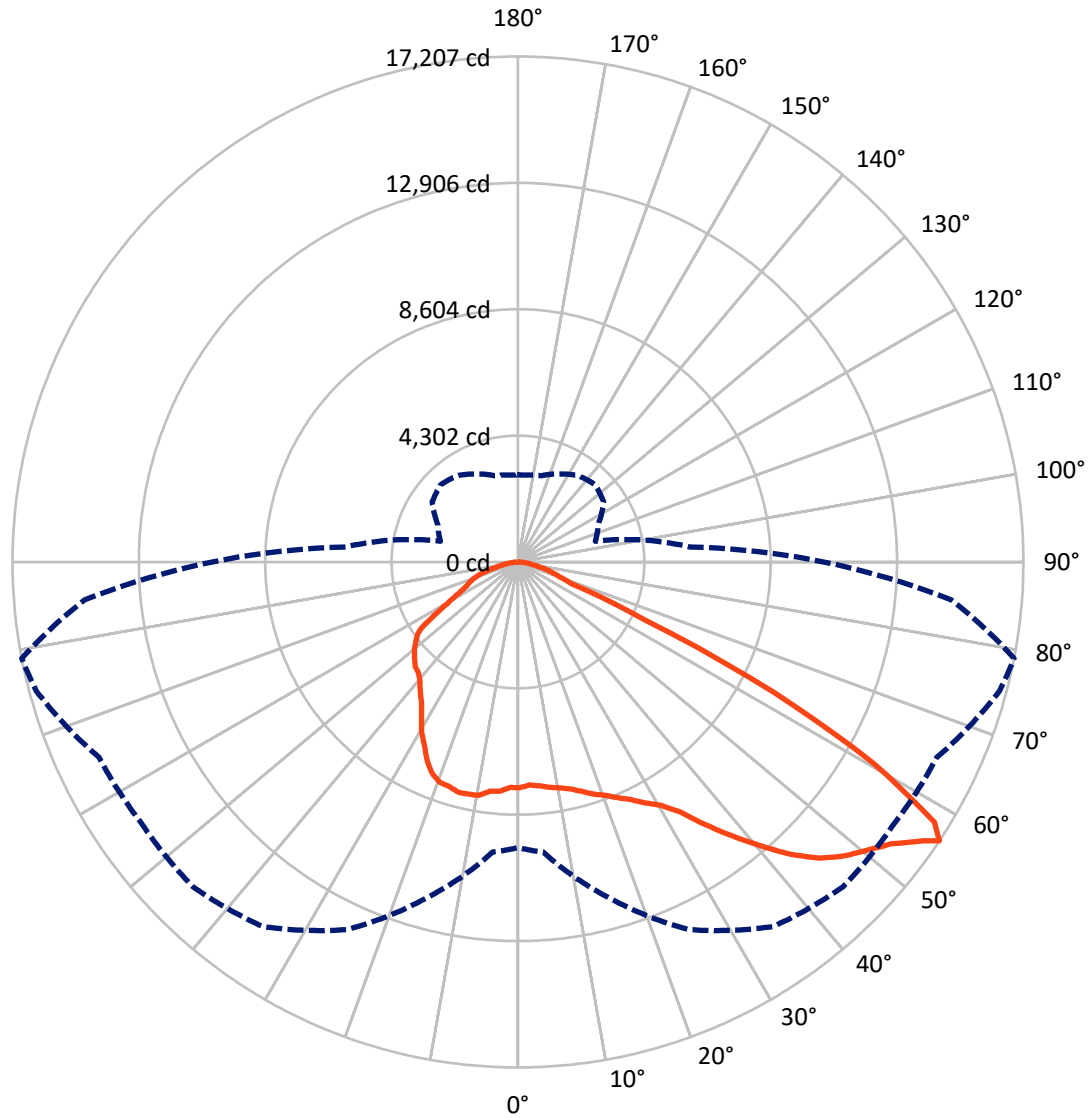
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8868.5	0.0	8868.5
	% Fixture	29.5	0.0	29.5
Street Side	Lumens	21161.5	0.0	21161.5
	% Fixture	70.5	0.0	70.5
Total	Lumens	30030.0	0.0	30030.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	698.6	2.3
10°-20°	1911.8	6.4
20°-30°	3270.7	10.9
30°-40°	5012.8	16.7
40°-50°	6774.8	22.6
50°-60°	7781.1	25.9
60°-70°	3546.8	11.8
70°-80°	874.5	2.9
80°-90°	158.9	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°	30030.0	100.0
0°-180°	30030.0	100.0

Coefficient of Utilization



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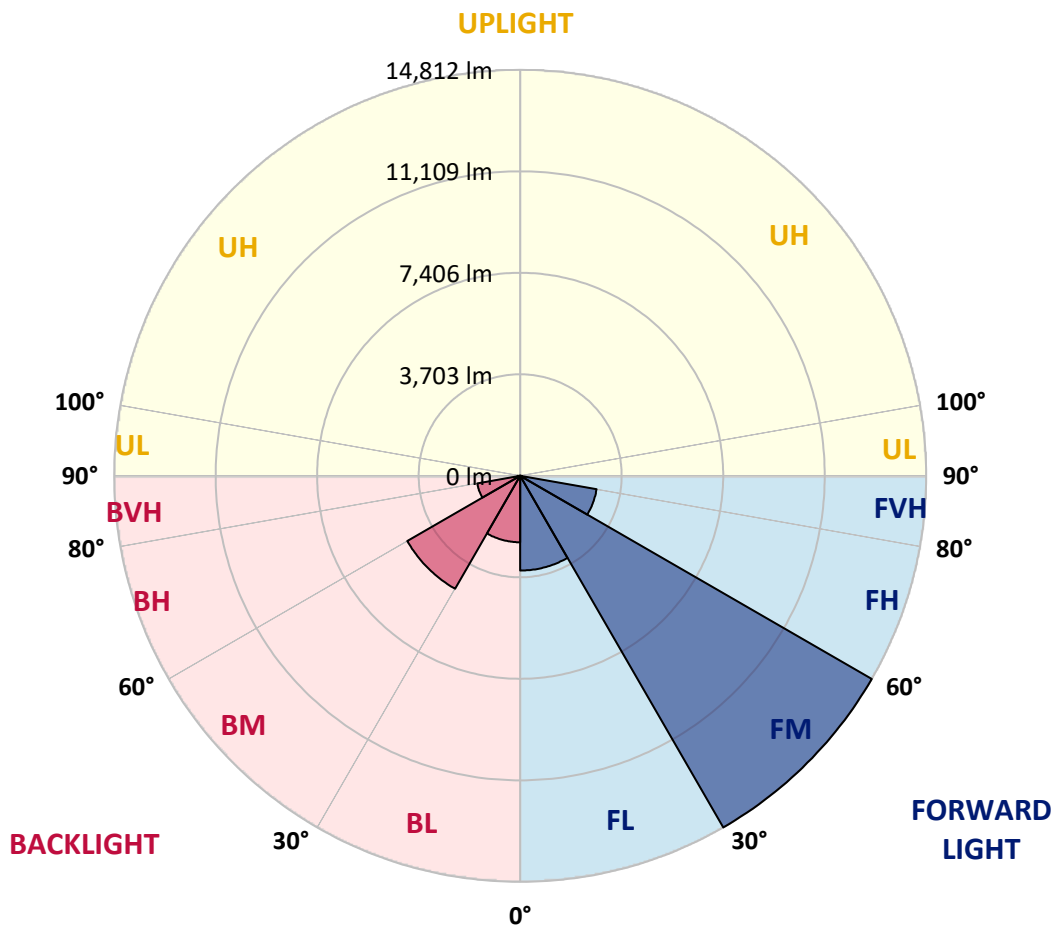
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3455.2	11.5			
FM (30°-60°)	14811.7	49.3			
FH (60°-80°)	2831.1	9.4			G2/5000
FVH (80°-90°)	63.5	0.2			G1/100
BL (0°-30°)	2425.9	8.1	B3/2500		
BM (30°-60°)	4757.0	15.8	B3/5000		
BH (60°-80°)	1590.2	5.3	B3/2500		G3/2500
BVH (80°-90°)	95.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5
2.5°	7309.4	7290.7	7335.6	7369.3	7410.4	7462.8	7489.0	7503.9	7634.9	7601.2	7702.2
5°	7152.3	7103.7	7137.3	7163.5	7234.6	7298.2	7369.3	7481.5	7601.2	7653.6	7777.0
7.5°	7013.9	6987.7	6980.2	6998.9	7096.2	7178.5	7301.9	7466.5	7661.0	7747.1	7818.2
10°	6785.7	6748.3	6804.4	6927.9	6954.0	7126.1	7268.3	7503.9	7672.3	7821.9	8031.4
12.5°	6684.7	6647.3	6658.5	6729.6	6912.9	7077.5	7245.8	7511.4	7866.8	7926.6	8207.2
15°	6845.6	6808.2	6819.4	6800.7	6976.5	7062.5	7328.1	7661.0	8001.5	8102.5	8401.7
17.5°	7212.2	7215.9	7167.3	7126.1	7085.0	7268.3	7451.6	7750.8	8053.8	8308.2	8532.6
20°	7911.7	7788.2	7691.0	7459.0	7395.5	7474.0	7705.9	7994.0	8267.0	8476.5	8730.9
22.5°	8450.3	8461.6	8323.2	7941.6	7803.2	7836.9	8035.1	8270.8	8570.0	8719.7	9011.5
25°	9232.2	9153.6	9004.0	8701.0	8390.5	8416.7	8562.6	8775.8	8858.1	8962.8	9280.8
27.5°	9946.6	9969.1	9673.6	9389.3	9004.0	8929.2	9191.0	9228.4	9090.0	9288.3	9396.7
30°	10672.3	10653.6	10459.1	10126.2	9748.4	9763.3	9879.3	9696.0	9505.2	9613.7	9688.5
32.5°	11424.2	11211.0	11203.5	10904.3	10616.2	10477.8	10335.7	10425.5	10129.9	10152.4	10081.3
35°	12026.5	12056.4	11884.3	11671.1	11529.0	11285.8	10896.8	11057.6	11001.5	10975.3	10668.6
37.5°	12464.2	12348.2	12434.2	12363.2	12228.5	11925.5	11521.5	11674.9	11701.0	11828.2	11472.9
40°	12823.3	12774.6	13002.8	13040.2	12946.7	12292.1	11566.4	12022.8	12415.5	12692.3	12269.6
42.5°	12995.3	13100.1	13339.5	13627.5	13418.0	12718.5	11798.3	12288.3	13163.7	13601.3	13025.3
45°	13227.3	13092.6	13448.0	13975.4	13979.2	13077.6	12022.8	12647.5	13747.2	14383.2	13541.5
47.5°	12991.6	13058.9	13425.5	14095.1	14267.2	13455.5	12628.8	13156.2	14390.6	14955.5	14020.3
50°	12464.2	12598.8	13268.4	13964.2	14484.2	13855.7	13324.5	13706.1	14985.4	15415.6	14098.9
52.5°	11914.3	11989.1	13036.5	14065.2	14581.4	14371.9	14256.0	14465.5	15711.1	15935.6	14196.1
55°	10418.0	10773.3	12269.6	14020.3	15056.5	15303.4	15213.6	15520.3	16534.1	16758.5	14727.3
56°	9725.9	9913.0	11809.5	13810.8	15150.0	15643.8	15598.9	15737.3	16971.8	17207.4	14809.6
57.5°	8446.6	8461.6	10070.1	12883.1	14798.4	15744.8	15699.9	15808.4	16885.7	16724.9	14087.6
60°	5285.7	5517.6	6853.0	9909.2	12583.9	14607.6	14862.0	13990.4	14237.3	13896.9	10960.4
62.5°	2738.2	2704.6	3591.1	5794.4	8353.1	10459.1	10694.8	10653.6	10272.1	9774.6	7159.8
65°	1365.4	1372.9	1877.9	2869.2	4279.4	5476.4	6134.8	6205.9	5192.2	4776.9	3396.6
67.5°	991.3	1028.7	1350.4	1754.4	2016.3	2255.7	2764.4	2712.0	2053.7	1952.7	1810.5
70°	770.6	804.3	1096.0	1339.2	1215.7	1215.7	1324.2	1369.1	1462.6	1503.8	1552.4
72.5°	561.1	587.3	837.9	924.0	796.8	856.6	991.3	1096.0	1193.3	1208.3	1264.4
75°	385.3	407.7	549.9	508.7	478.8	591.0	725.7	823.0	894.0	931.4	965.1
77.5°	250.6	258.1	314.2	265.6	306.7	381.6	471.3	553.6	624.7	654.6	662.1
80°	112.2	123.4	134.7	168.3	213.2	273.1	336.7	404.0	448.9	460.1	482.6
82.5°	63.6	63.6	82.3	119.7	157.1	198.3	243.1	291.8	344.1	355.4	351.6
85°	33.7	33.7	48.6	71.1	97.3	116.0	112.2	116.0	123.4	142.1	138.4
87.5°	11.2	11.2	15.0	15.0	18.7	22.4	18.7	26.2	33.7	33.7	33.7
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°	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5	7683.5
2.5°	7672.3	7705.9	7661.0	7758.3	7758.3	7739.6	7646.1	7676.0	7698.5	7698.5	7717.2
5°	7818.2	7806.9	7836.9	7720.9	7649.8	7623.6	7470.3	7395.5	7331.9	7328.1	7272.0
7.5°	7900.5	7870.5	7859.3	7773.3	7459.0	7268.3	6939.1	6748.3	6707.2	6561.3	6617.4
10°	8031.4	8087.5	8031.4	7563.8	7126.1	6688.4	6366.7	6071.2	5955.3	5861.7	5805.6
12.5°	8300.7	8274.5	7949.1	7316.9	6703.4	6183.4	5704.6	5394.2	5278.2	5195.9	5188.4
15°	8528.9	8398.0	7900.5	6927.9	6045.0	5491.4	5098.6	4877.9	4825.6	4833.0	4866.7
17.5°	8607.5	8517.7	7646.1	6523.9	5555.0	4904.1	4720.8	4687.2	4735.8	4791.9	4806.9
20°	8730.9	8588.7	7541.3	5974.0	4949.0	4537.5	4526.3	4646.0	4735.8	4818.1	4829.3
22.5°	8989.0	8629.9	7200.9	5454.0	4533.8	4429.0	4537.5	4638.5	4776.9	4844.3	4784.4
25°	9063.8	8540.1	6722.1	4829.3	4271.9	4361.7	4477.7	4616.1	4713.3	4750.7	4776.9
27.5°	9127.4	8401.7	6075.0	4414.1	4189.6	4358.0	4477.7	4593.6	4646.0	4679.7	4709.6
30°	9307.0	8360.6	5513.9	4137.3	4137.3	4283.2	4436.5	4466.4	4537.5	4578.7	4631.0
32.5°	9396.7	8076.3	4937.8	3961.4	4084.9	4320.6	4331.8	4387.9	4391.6	4425.3	4369.2
35°	9632.4	7874.3	4402.9	3834.3	4107.3	4283.2	4339.3	4305.6	4122.3	4032.5	4051.2
37.5°	9804.5	7773.3	4017.6	3819.3	4111.1	4324.3	4354.2	4099.9	3909.1	3759.4	3796.9
40°	10268.3	7522.6	3725.8	3793.1	4144.7	4369.2	4286.9	4010.1	3665.9	3512.6	3486.4
42.5°	10623.7	7343.1	3542.5	3763.2	4170.9	4432.8	4253.2	3830.5	3478.9	3336.7	3374.2
45°	11035.2	7301.9	3445.2	3770.7	4215.8	4466.4	4212.1	3692.1	3318.0	3261.9	3250.7
47.5°	11181.1	7006.4	3340.5	3707.1	4204.6	4455.2	4073.7	3587.4	3258.2	3265.7	3295.6
50°	10937.9	6703.4	3261.9	3576.2	4129.8	4354.2	3856.7	3449.0	3224.5	3318.0	3370.4
52.5°	10627.5	6392.9	3101.1	3400.3	3976.4	4197.1	3755.7	3441.5	3190.9	3160.9	3172.2
55°	10721.0	6138.6	2876.6	3160.9	3729.5	3905.3	3643.5	3370.4	3108.6	2996.3	3033.7
56°	10418.0	5876.7	2730.7	3011.3	3561.2	3718.3	3587.4	3306.8	3041.2	2966.4	2966.4
57.5°	9561.3	4997.6	2540.0	2771.9	3205.8	3392.9	3478.9	3269.4	2966.4	2835.5	2839.2
60°	7051.3	3553.7	2278.1	2442.7	2655.9	2805.6	3205.8	3164.7	2779.4	2689.6	2655.9
62.5°	4346.7	2596.1	2091.1	2154.7	2263.2	2386.6	2798.1	2865.4	2581.1	2483.9	2461.4
65°	2435.2	1986.3	1948.9	1975.1	2027.5	2091.1	2323.0	2472.6	2278.1	2128.5	2121.0
67.5°	1780.6	1776.9	1806.8	1829.2	1851.7	1851.7	1907.8	1967.6	1941.4	1821.7	1810.5
70°	1582.3	1593.6	1616.0	1619.7	1627.2	1601.0	1556.1	1537.4	1567.4	1492.6	1477.6
72.5°	1305.5	1342.9	1369.1	1372.9	1331.7	1298.0	1238.2	1174.6	1152.1	1137.2	1133.4
75°	1002.5	1028.7	1039.9	1036.2	1021.2	972.6	901.5	837.9	796.8	751.9	774.3
77.5°	677.1	714.5	733.2	733.2	710.7	635.9	602.3	553.6	512.5	463.9	471.3
80°	475.1	501.3	531.2	527.4	490.0	452.6	404.0	359.1	325.4	288.0	284.3
82.5°	355.4	370.3	385.3	377.8	351.6	314.2	280.6	239.4	202.0	175.8	175.8
85°	127.2	138.4	168.3	175.8	190.8	190.8	160.9	134.7	108.5	89.8	89.8
87.5°	37.4	37.4	41.1	41.1	37.4	41.1	33.7	37.4	41.1	26.2	26.2
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)