

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: P459372

Luminaire Tested: **GLAN-SA8B-735-U-T2**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8B-735-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43047 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

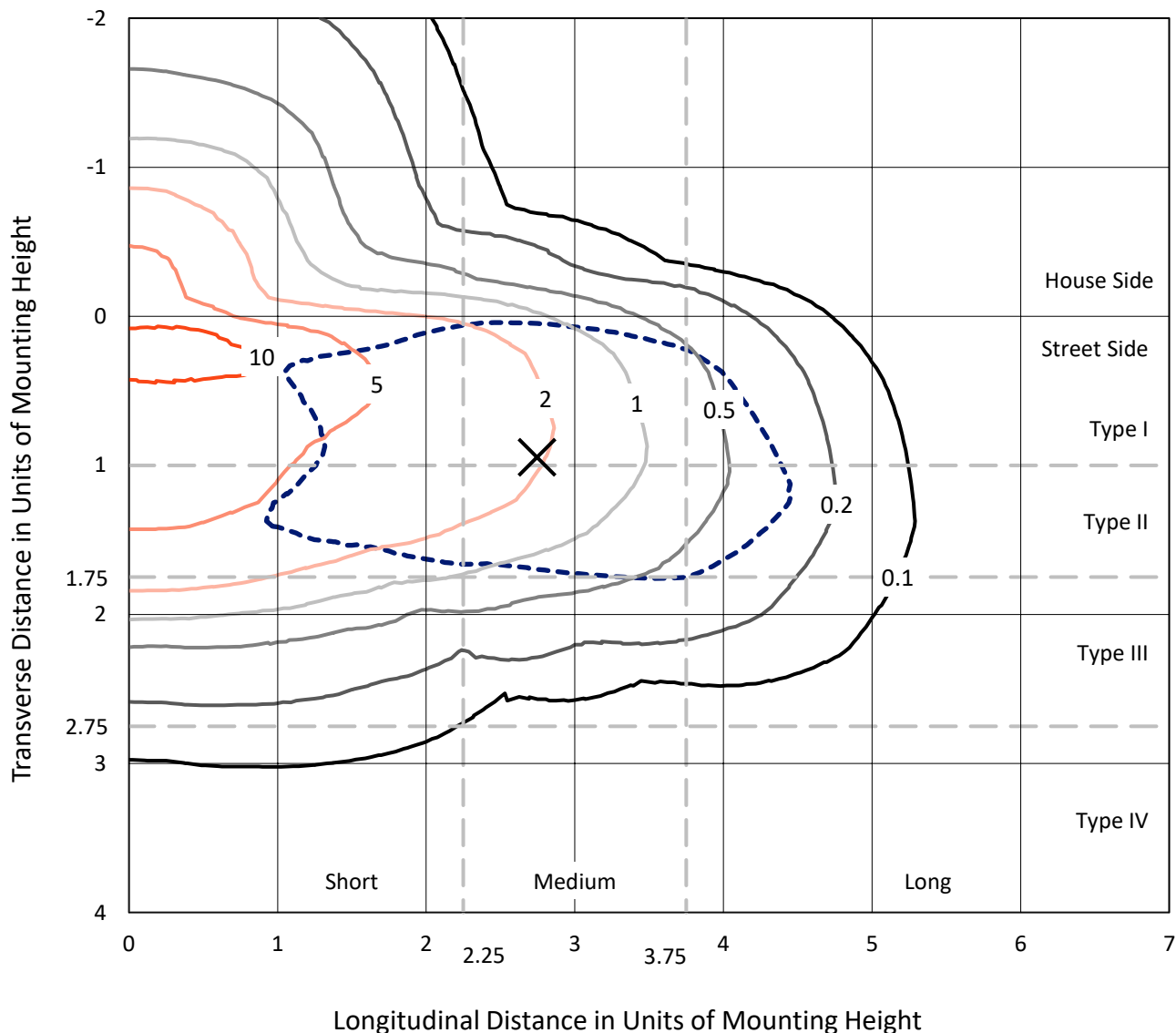
Input Watts (W): 325
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P459372
 CATALOG NUMBER: GLAN-SA8B-735-U-T2

Iso-Footcandle Lines of Horizontal Illumination

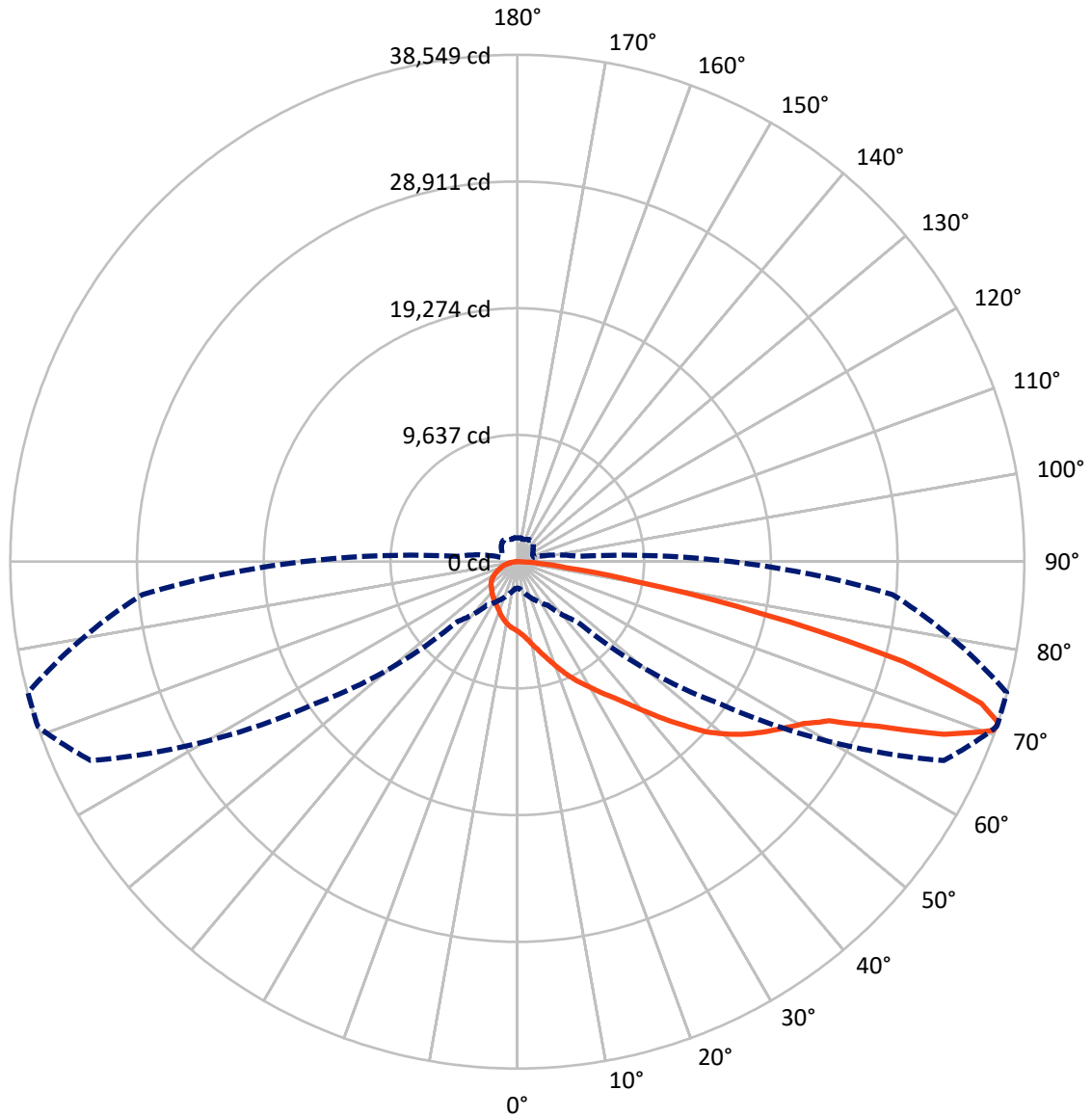
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type II - Medium - N/A

REPORT NUMBER: P459372
CATALOG NUMBER: GLAN-SA8B-735-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P459372

CATALOG NUMBER: GLAN-SA8B-735-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7741.9	0.0	7741.9
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	35305.1	0.0	35305.1
	% Fixture	82.0	0.0	82.0
Total	Lumens	43047.0	0.0	43047.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.5	1.2
10°-20°	1723.4	4.0
20°-30°	3011.9	7.0
30°-40°	4479.8	10.4
40°-50°	6600.3	15.3
50°-60°	9240.6	21.5
60°-70°	10335.3	24.0
70°-80°	6313.2	14.7
80°-90°	812.1	1.9
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°	43047.0	100.0
0°-180°	43047.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459372

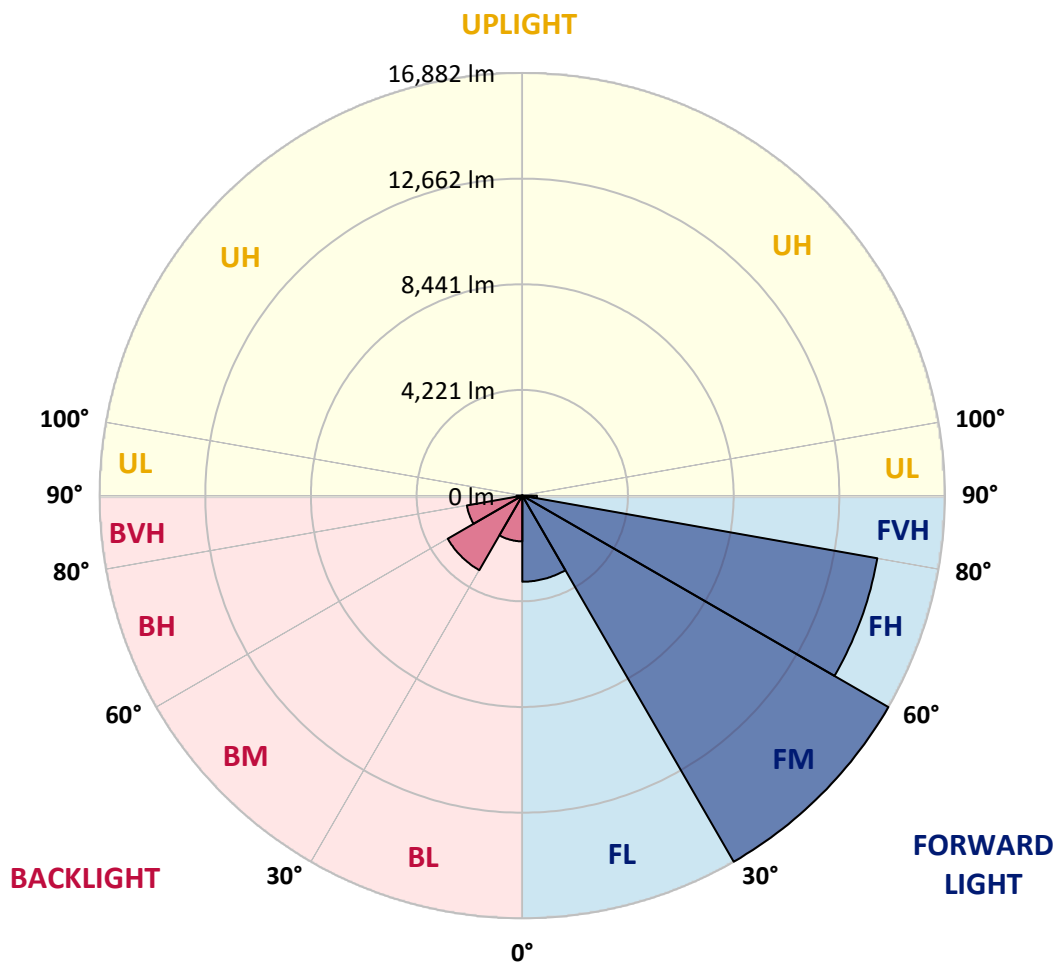
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3439.5	8.0			
FM	(30°-60°)	16882.2	39.2			
FH	(60°-80°)	14399.1	33.4			G5
FVH	(80°-90°)	584.4	1.4			G4/750
BL	(0°-30°)	1826.3	4.2	B3/2500		
BM	(30°-60°)	3438.5	8.0	B3/5000		
BH	(60°-80°)	2249.4	5.2	B3/2500		G3/2500
BVH	(80°-90°)	227.8	0.5			G3/500
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 Medium





REPORT NUMBER: P459372
 CATALOG NUMBER: GLAN-SA8B-735-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2
2.5°	5865.2	5836.8	5839.2	5798.9	5746.9	5690.1	5609.7	5538.7	5481.9	5448.8	5351.8
5°	6499.3	6470.9	6435.4	6347.8	6310.0	6170.4	5993.0	5832.1	5709.0	5640.4	5446.4
7.5°	7012.7	7005.6	6996.1	6946.4	6849.4	6655.4	6504.0	6224.8	6042.6	5912.5	5581.3
10°	7329.7	7341.5	7348.6	7358.1	7317.9	7216.2	7007.9	6655.4	6423.6	6257.9	5756.4
12.5°	7490.6	7502.4	7542.7	7630.2	7684.6	7672.8	7502.4	7157.0	6837.6	6619.9	5943.3
15°	7590.0	7608.9	7679.9	7795.8	7978.0	8093.9	8011.1	7691.7	7341.5	7083.7	6165.7
17.5°	7698.8	7720.1	7798.2	7963.8	8202.8	8453.5	8543.5	8269.0	7888.1	7580.5	6414.1
20°	7760.3	7788.7	7899.9	8117.6	8396.8	8761.1	9059.2	8914.9	8498.5	8157.8	6700.4
22.5°	7859.7	7883.4	7978.0	8209.9	8543.5	9000.1	9575.0	9544.2	9177.5	8737.5	7015.0
25°	8129.4	8167.3	8214.6	8354.2	8675.9	9243.8	10003.2	10216.2	9835.3	9343.1	7303.7
27.5°	8638.1	8668.8	8666.5	8685.4	8867.6	9454.3	10374.7	10881.0	10488.3	9955.9	7582.9
30°	9217.7	9229.6	9239.0	9196.5	9236.7	9669.6	10715.4	11538.7	11146.0	10585.3	7826.6
32.5°	9922.8	9946.5	9866.0	9757.2	9724.1	9989.0	10996.9	12196.5	11924.4	11224.1	8067.9
35°	10755.6	10817.1	10653.9	10462.2	10327.4	10448.0	11375.5	12868.4	12721.7	12040.3	8387.3
37.5°	11706.7	11782.4	11631.0	11254.8	11063.2	11096.3	11870.0	13698.9	13729.6	12970.1	8862.9
40°	12485.1	12584.5	12589.2	12056.9	11765.9	11803.7	12497.0	14593.2	14945.7	14120.0	9423.6
42.5°	12998.5	13095.5	13197.3	12885.0	12579.8	12795.1	13228.0	15563.2	16313.2	15515.9	10206.7
45°	13561.6	13649.2	13706.0	13564.0	13393.7	13952.0	14110.5	16594.8	17770.7	17075.1	11063.2
47.5°	14214.6	14311.6	14366.1	14231.2	14167.3	14967.0	15061.6	17557.7	19327.5	18589.3	12009.6
50°	15085.3	15158.7	15130.3	15045.1	15030.9	15745.4	15974.9	18459.2	20612.2	20219.4	12991.4
52.5°	16168.9	16256.5	16287.2	16166.5	16112.1	16301.4	16710.7	19280.1	21781.0	21620.1	14039.6
55°	16824.3	16963.9	17432.3	17621.6	17751.7	17020.7	17503.3	20186.3	22829.1	23096.4	15165.8
57.5°	15984.4	16164.2	17212.3	18158.7	19381.9	18818.8	18627.1	21132.7	23877.2	24527.8	16514.3
60°	13935.5	13975.7	15326.6	17070.3	19530.9	21130.3	20971.8	22637.4	25012.8	25971.1	18291.2
62.5°	9667.3	9752.5	11349.5	14131.8	17690.2	21963.1	24960.8	25235.2	26640.6	28131.2	20896.1
65°	4985.1	4873.9	6328.9	8881.8	13336.9	19985.2	28192.7	30012.1	30170.6	31509.7	24563.3
67.5°	3068.6	3118.3	3799.7	5186.2	7885.7	14524.6	27854.3	35848.9	35013.7	35657.3	27967.9
70°	2304.4	2366.0	2834.4	3548.9	4807.6	8304.5	22400.8	37263.7	38430.2	38264.5	29004.2
71°	2004.0	2067.8	2555.2	3229.5	4038.7	6409.4	18873.2	35782.7	38548.5	38520.1	28613.8
72.5°	1708.2	1748.4	2129.4	2735.0	3404.6	4492.9	14179.1	32091.8	36904.1	37848.1	27220.3
75°	1341.5	1372.3	1542.6	2086.8	2680.6	2758.7	7608.9	24059.4	30310.2	32108.3	22661.1
77.5°	1093.1	1114.4	1201.9	1549.7	2067.8	1954.3	3991.4	15660.2	18989.1	20799.1	13348.7
80°	868.3	892.0	944.0	1050.5	1549.7	1393.5	1904.6	7935.4	9172.8	9153.9	5328.1
82.5°	674.3	681.4	742.9	771.3	1059.9	989.0	1031.6	3359.7	3721.6	3844.7	1923.5
85°	425.9	447.2	657.7	591.5	634.1	579.7	508.7	1334.4	1644.3	1620.7	768.9
87.5°	130.1	137.2	222.4	250.8	281.5	253.2	186.9	392.7	480.3	520.5	191.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P459372
 CATALOG NUMBER: GLAN-SA8B-735-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2	5283.2
2.5°	5313.9	5287.9	5195.6	5119.9	5048.9	4970.9	4904.6	4885.7	4869.1	4862.0	4859.7
5°	5363.6	5285.5	5103.4	4954.3	4836.0	4727.2	4658.6	4627.8	4597.0	4597.0	4606.5
7.5°	5434.6	5292.6	5011.1	4788.7	4639.6	4537.9	4488.2	4483.5	4490.6	4497.7	4500.0
10°	5512.7	5287.9	4876.2	4599.4	4466.9	4419.6	4422.0	4462.2	4500.0	4528.4	4533.2
12.5°	5588.4	5259.5	4717.7	4422.0	4336.8	4346.3	4412.5	4502.4	4575.8	4616.0	4618.3
15°	5673.6	5214.6	4526.1	4254.0	4225.6	4298.9	4422.0	4559.2	4670.4	4736.6	4743.7
17.5°	5744.5	5138.8	4325.0	4090.7	4126.2	4261.1	4431.4	4608.9	4743.7	4826.5	4840.7
20°	5825.0	5041.8	4116.8	3934.6	4036.3	4218.5	4412.5	4604.1	4743.7	4824.2	4843.1
22.5°	5888.9	4904.6	3918.0	3806.8	3955.9	4166.4	4348.6	4502.4	4616.0	4658.6	4687.0
25°	5914.9	4731.9	3731.1	3702.7	3892.0	4081.3	4204.3	4291.8	4327.3	4322.6	4334.4
27.5°	5900.7	4533.2	3570.2	3619.9	3811.5	3948.8	4010.3	4003.2	3939.3	3880.2	3908.6
30°	5841.5	4296.6	3435.4	3534.7	3707.4	3783.2	3773.7	3681.4	3560.8	3449.6	3456.7
32.5°	5735.1	4041.0	3310.0	3437.7	3560.8	3593.9	3530.0	3409.3	3236.6	3092.3	3071.0
35°	5645.2	3797.4	3198.8	3326.5	3414.1	3397.5	3336.0	3179.8	3023.7	2895.9	2874.6
37.5°	5631.0	3589.1	3092.3	3201.1	3250.8	3227.2	3151.4	3019.0	2962.2	2865.2	2853.3
40°	5706.7	3442.5	2983.5	3068.6	3092.3	3073.4	2990.6	2914.9	2966.9	2943.2	2943.2
42.5°	5912.5	3364.4	2886.5	2936.1	2955.1	2969.3	2910.1	2846.2	2910.1	2801.3	2765.8
45°	6239.0	3366.7	2798.9	2806.0	2862.8	2912.5	2872.3	2777.6	2744.5	2526.8	2484.2
47.5°	6719.3	3447.2	2727.9	2683.0	2784.7	2867.5	2810.8	2673.5	2526.8	2382.5	2356.5
50°	7280.0	3591.5	2664.1	2555.2	2680.6	2810.8	2768.2	2607.3	2455.9	2368.3	2351.8
52.5°	7902.3	3773.7	2586.0	2413.3	2552.9	2784.7	2777.6	2597.8	2389.6	2330.5	2316.3
55°	8671.2	3953.5	2489.0	2247.7	2439.3	2763.4	2751.6	2519.7	2375.4	2332.8	2328.1
57.5°	9565.5	4213.8	2349.4	2079.7	2309.2	2675.9	2649.9	2472.4	2328.1	2297.3	2295.0
60°	11006.4	4618.3	2150.7	1925.9	2176.7	2522.1	2555.2	2392.0	2252.4	2245.3	2242.9
62.5°	12901.5	5186.2	1944.8	1767.4	2022.9	2323.4	2418.0	2283.1	2171.9	2207.4	2212.2
65°	15518.3	5664.1	1731.9	1632.5	1852.5	2131.7	2287.9	2181.4	2082.0	2150.7	2150.7
67.5°	17224.1	5673.6	1537.9	1492.9	1679.8	1970.8	2150.7	2060.7	1966.1	2082.0	2086.8
70°	16869.2	4970.9	1377.0	1346.2	1511.8	1798.1	1999.2	1928.3	1819.4	1923.5	1885.7
71°	16296.7	4580.5	1313.1	1289.4	1445.6	1715.3	1928.3	1869.1	1760.3	1828.9	1807.6
72.5°	15383.4	3977.2	1209.0	1213.7	1346.2	1611.2	1828.9	1767.4	1658.5	1696.4	1689.3
75°	13003.3	3473.2	1033.9	1055.2	1157.0	1433.8	1630.1	1582.8	1471.6	1471.6	1464.5
77.5°	8129.4	2427.5	858.8	870.7	981.9	1227.9	1400.6	1360.4	1254.0	1218.5	1209.0
80°	3033.2	1254.0	671.9	686.1	754.7	967.7	1159.3	1121.5	1012.6	972.4	934.6
82.5°	1147.5	629.3	494.5	482.7	556.0	738.2	908.5	863.6	778.4	681.4	653.0
85°	433.0	312.3	302.8	293.4	326.5	437.7	563.1	553.6	463.7	395.1	388.0
87.5°	113.6	101.7	118.3	87.5	92.3	82.8	85.2	35.5	16.6	7.1	4.7
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)