

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: P459032

Luminaire Tested: **GLAN-SA5B-735-U-T4FT**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5B-735-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26487 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

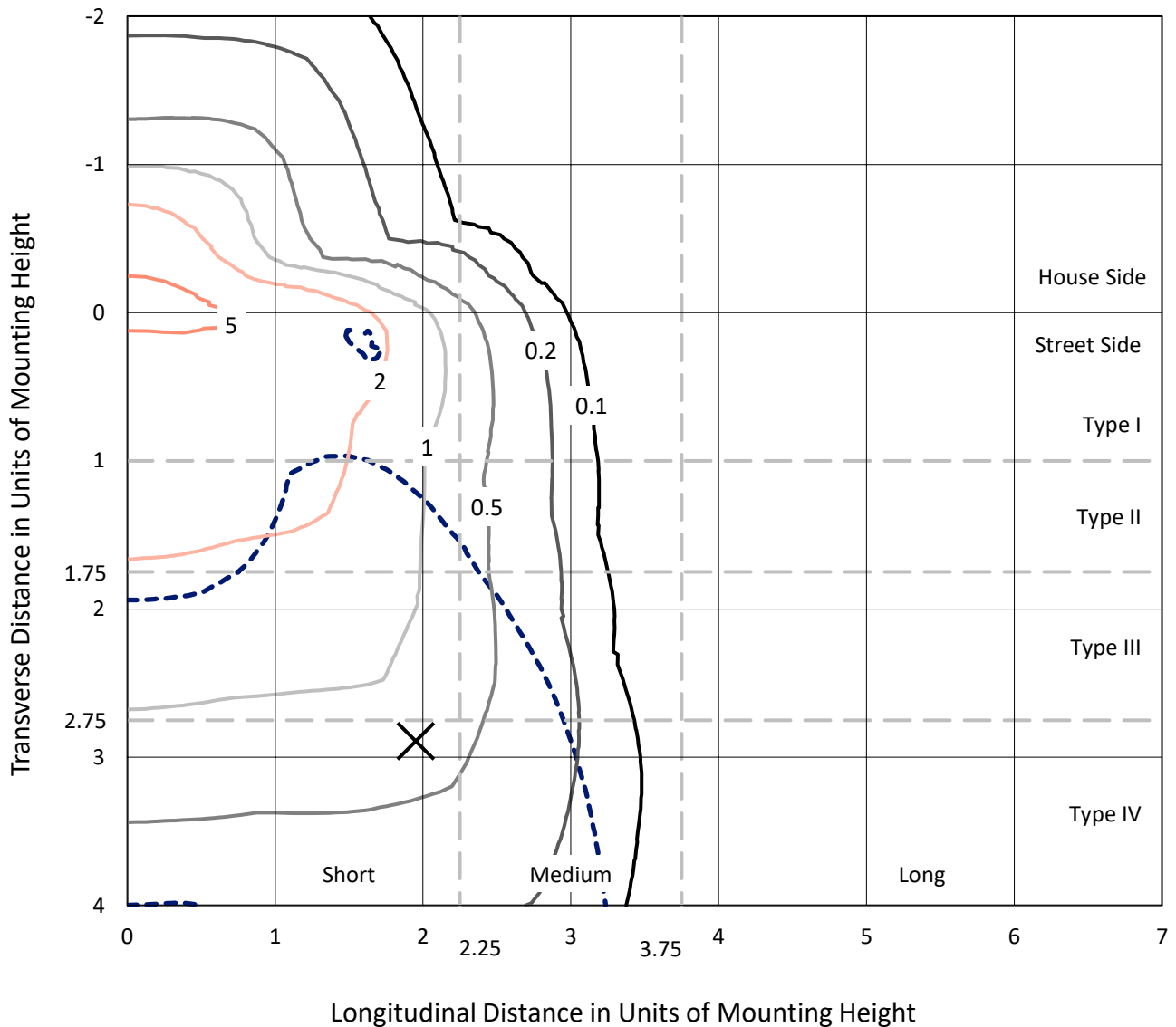
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

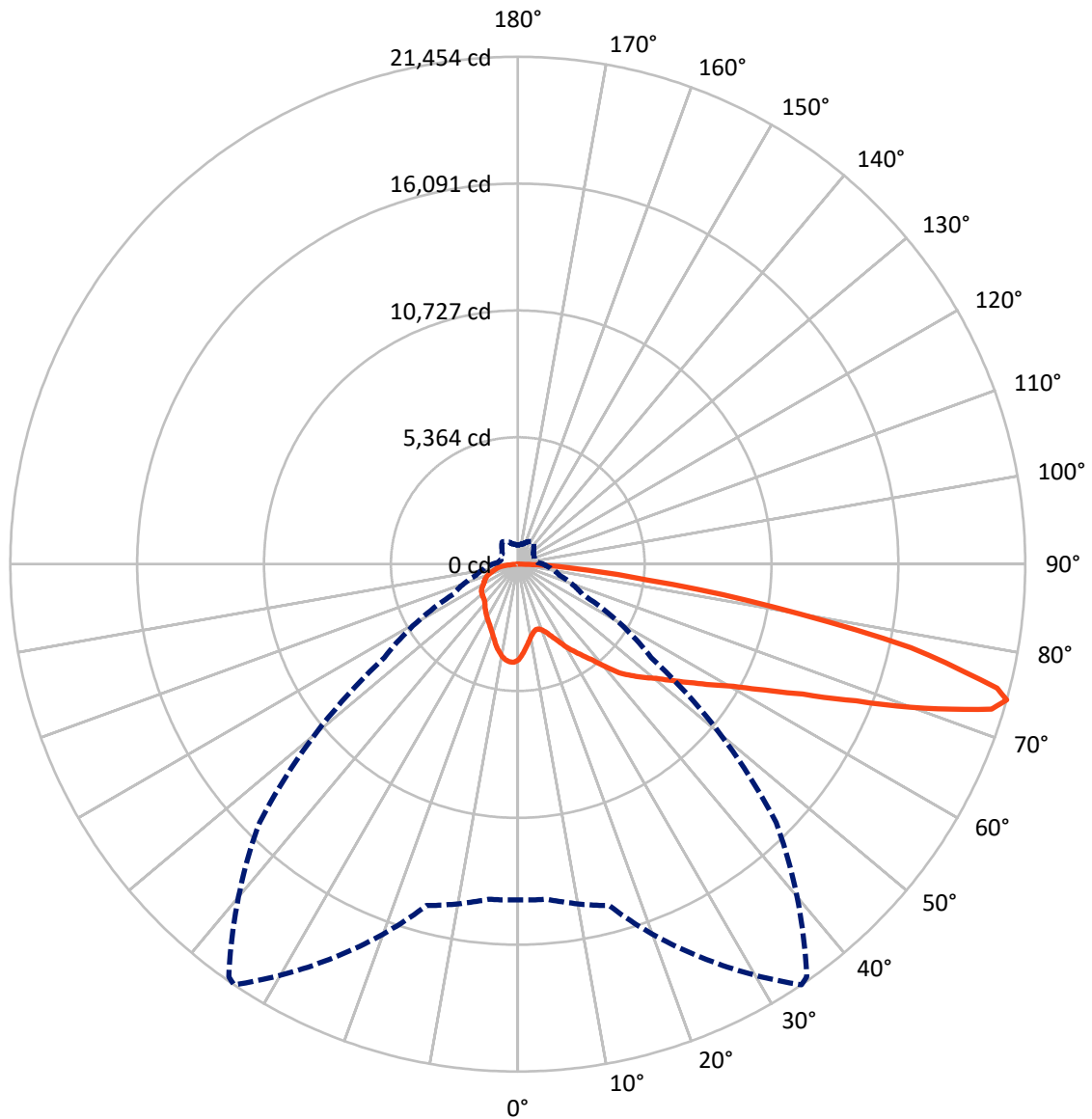
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5636.6	0.0	5636.6
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	20850.4	0.0	20850.4
	% Fixture	78.7	0.0	78.7
Total	Lumens	26487.0	0.0	26487.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.8	1.4
10°-20°	1006.8	3.8
20°-30°	1660.0	6.3
30°-40°	2486.4	9.4
40°-50°	3614.6	13.6
50°-60°	5048.7	19.1
60°-70°	6320.7	23.9
70°-80°	5226.7	19.7
80°-90°	755.2	2.9
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°	26487.0	100.0
0°-180°	26487.0	100.0

Coefficient of Utilization



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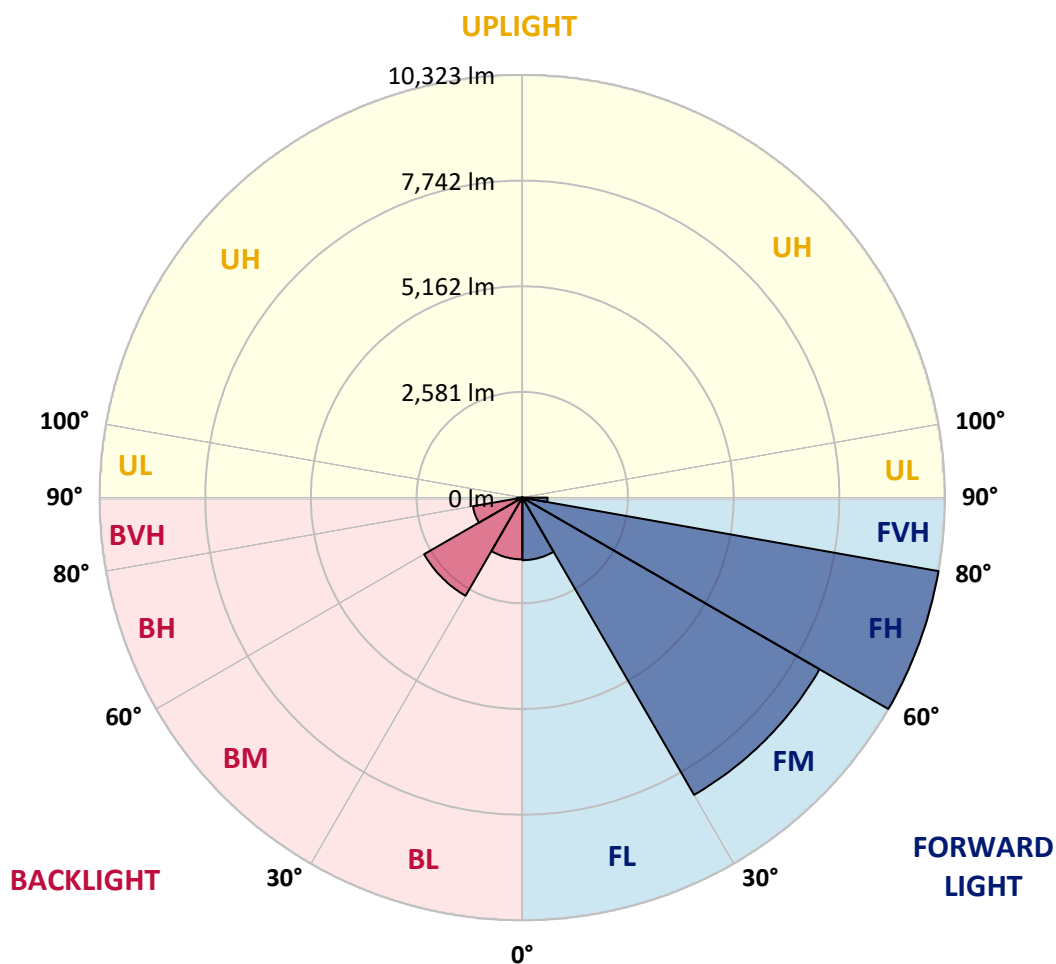
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1526.9	5.8			
FM	(30°-60°)	8381.6	31.6			
FH	(60°-80°)	10323.2	39.0			G4/12000
FVH	(80°-90°)	618.7	2.3			G4/750
BL	(0°-30°)	1507.7	5.7	B3/2500		
BM	(30°-60°)	2768.2	10.5	B3/5000		
BH	(60°-80°)	1224.2	4.6	B3/2500		G3/2500
BVH	(80°-90°)	136.5	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0
2.5°	3737.4	3756.4	3766.7	3803.4	3812.2	3823.9	3854.8	3895.8	3948.7	3995.6	4036.7
5°	3426.3	3455.6	3473.2	3505.5	3568.6	3574.5	3656.7	3750.6	3857.7	3957.5	4039.6
7.5°	3131.3	3163.6	3178.3	3237.0	3320.6	3333.8	3454.2	3602.4	3781.4	3932.5	4058.7
10°	2909.8	2925.9	2958.2	3002.2	3102.0	3110.8	3267.8	3465.9	3697.7	3920.8	4091.0
12.5°	2789.4	2798.3	2805.6	2852.5	2950.9	2964.1	3128.4	3352.9	3631.7	3929.6	4143.8
15°	2807.1	2810.0	2777.7	2786.5	2865.8	2884.8	3047.7	3278.1	3590.6	3951.6	4223.1
17.5°	2955.3	2945.0	2865.8	2824.7	2880.4	2889.2	3031.6	3248.7	3571.6	3992.7	4305.2
20°	3188.6	3173.9	3037.4	2946.5	2978.7	2986.1	3084.4	3270.7	3590.6	4060.2	4432.9
22.5°	3479.1	3473.2	3266.3	3156.3	3154.8	3154.8	3206.2	3350.0	3647.9	4152.6	4566.4
25°	3885.6	3854.8	3584.8	3442.4	3402.8	3399.9	3394.0	3480.6	3721.2	4250.9	4724.9
27.5°	4302.3	4249.5	4008.8	3790.2	3705.1	3694.8	3656.7	3665.5	3815.1	4362.5	4905.4
30°	4676.5	4642.7	4416.8	4174.6	4073.4	4049.9	3944.3	3895.8	3972.1	4563.5	5193.0
32.5°	4962.6	4942.1	4766.0	4545.9	4396.2	4391.8	4237.7	4198.1	4217.2	4807.1	5521.7
35°	5194.5	5201.8	5112.3	4921.5	4749.8	4724.9	4622.2	4572.3	4516.5	5159.2	5935.5
37.5°	5511.4	5527.5	5521.7	5357.3	5147.5	5153.4	5129.9	5047.7	4899.5	5552.5	6394.7
40°	5860.6	5872.4	5870.9	5807.8	5697.8	5703.6	5694.8	5600.9	5379.3	6052.9	6905.4
42.5°	6343.4	6287.6	6142.4	6205.5	6270.0	6297.9	6358.1	6268.6	5964.8	6587.0	7385.2
45°	6883.4	6777.7	6449.0	6478.4	6717.6	6770.4	7102.0	6978.8	6600.2	7200.3	7950.2
47.5°	7223.8	7119.6	6842.3	6836.4	7153.4	7204.7	7791.7	7746.2	7178.3	7862.1	8639.8
50°	7527.6	7512.9	7200.3	7275.2	7584.8	7661.1	8543.0	8500.4	7755.0	8642.7	9391.1
52.5°	7978.0	7859.2	7609.7	7763.8	8173.2	8273.0	9288.4	9163.7	8284.7	9332.4	10120.4
55°	8180.5	8152.6	8138.0	8271.5	8833.5	8905.4	10013.3	9727.1	8736.7	9916.4	10675.0
57.5°	8722.0	8670.6	8815.9	8906.9	9611.2	9721.3	10770.4	10315.5	9132.8	10380.1	10945.0
60°	9423.4	9395.5	9529.0	9693.4	10479.9	10647.2	11633.2	10817.4	9451.3	10613.4	10796.8
62.5°	10471.1	10468.1	10443.2	10795.4	11711.0	11865.1	12623.7	11306.0	9501.1	10438.8	10030.9
65°	11973.6	11920.8	11703.7	12088.1	13242.9	13423.4	13655.2	11578.9	9200.3	9542.2	8446.1
67.5°	13545.2	13542.3	13366.2	13865.1	15442.5	15628.8	14945.1	11518.8	8365.4	7730.0	5998.6
70°	14848.2	14785.1	15009.6	16339.0	18252.5	18468.2	16073.4	10810.0	6663.3	5104.9	3564.2
72.5°	15160.8	15163.7	15630.3	18246.6	20950.9	20984.7	16479.9	8761.6	4459.3	2815.9	1782.8
74°	14198.2	14223.1	14946.5	18342.0	21454.3	21301.6	15441.0	6886.3	3015.4	1838.6	1285.4
75°	12959.7	12802.7	13848.9	17706.6	20931.9	20767.5	14224.6	5526.1	2300.8	1468.8	1125.5
77.5°	6928.9	7088.8	8702.9	13213.6	17005.2	16815.9	9644.9	2650.1	1242.9	1022.7	810.0
80°	2466.6	2720.5	3823.9	6914.2	10902.5	10961.2	4603.1	1215.0	874.5	754.2	572.3
82.5°	1006.6	1034.5	1642.0	3068.2	5536.3	5589.2	1879.7	721.9	625.1	519.4	341.9
85°	393.3	405.0	726.3	1379.3	2362.4	2516.5	650.0	381.5	384.4	297.9	174.6
87.5°	132.1	149.7	297.9	459.3	802.6	786.5	189.3	113.0	137.9	129.1	54.3
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°	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0	4044.0
2.5°	4057.2	4085.1	4104.2	4124.7	4143.8	4149.7	4145.3	4158.5	4160.0	4161.4	4162.9
5°	4080.7	4118.9	4155.6	4176.1	4184.9	4177.6	4152.6	4139.4	4127.7	4118.9	4121.8
7.5°	4113.0	4167.3	4201.0	4209.9	4186.4	4152.6	4091.0	4042.6	4011.8	3991.2	3989.7
10°	4162.9	4215.7	4243.6	4218.7	4154.1	4071.9	3975.1	3884.1	3815.1	3794.6	3793.1
12.5°	4226.0	4286.2	4284.7	4211.3	4098.3	3951.6	3794.6	3688.9	3595.0	3548.1	3567.1
15°	4308.2	4353.7	4311.1	4179.0	4000.0	3799.0	3605.3	3461.5	3355.8	3306.0	3308.9
17.5°	4403.5	4443.2	4330.2	4121.8	3862.1	3603.8	3379.3	3242.9	3159.2	3122.5	3119.6
20°	4522.4	4534.1	4330.2	4022.0	3684.5	3376.4	3162.2	3066.8	3019.8	3000.7	3006.6
22.5°	4650.1	4626.6	4306.7	3881.2	3451.2	3138.7	2994.9	2952.3	2928.8	2925.9	2928.8
25°	4793.9	4727.8	4258.3	3690.4	3207.6	2933.3	2849.6	2856.9	2861.3	2861.3	2871.6
27.5°	4969.9	4837.9	4177.6	3449.8	2923.0	2742.5	2719.0	2770.4	2793.9	2798.3	2805.6
30°	5201.8	4958.2	4044.0	3149.0	2680.9	2570.8	2611.9	2680.9	2707.3	2723.4	2720.5
32.5°	5477.7	5090.3	3863.6	2848.1	2485.7	2450.5	2500.4	2570.8	2600.2	2609.0	2597.2
35°	5801.9	5239.9	3625.8	2566.4	2315.5	2336.0	2394.7	2416.7	2443.2	2443.2	2449.0
37.5°	6151.2	5360.3	3335.3	2308.2	2183.4	2258.3	2300.8	2280.3	2268.5	2253.9	2261.2
40°	6506.3	5449.8	2958.2	2052.8	2051.4	2177.6	2189.3	2130.6	2083.6	2069.0	2061.6
42.5°	6815.9	5505.5	2617.8	1854.7	1926.6	2098.3	2107.1	2013.2	1938.4	1894.4	1879.7
45°	7181.3	5570.1	2284.7	1690.4	1810.7	2035.2	2057.2	1931.0	1821.0	1728.5	1705.1
47.5°	7681.6	5716.8	2022.0	1562.7	1727.1	1995.6	2026.4	1863.5	1718.3	1598.0	1578.9
50°	8246.6	5917.9	1818.1	1476.2	1662.5	1960.4	1998.5	1794.6	1622.9	1489.4	1474.7
52.5°	8764.5	6026.4	1642.0	1398.4	1599.4	1895.8	1961.9	1744.7	1529.0	1380.8	1367.6
55°	9047.7	5850.4	1468.8	1322.1	1512.8	1812.2	1910.5	1675.7	1438.0	1323.6	1304.5
57.5°	9085.9	5486.5	1311.8	1239.9	1421.9	1709.5	1815.1	1592.1	1379.3	1283.9	1267.8
60°	8790.9	4943.5	1190.0	1172.4	1329.4	1593.6	1708.0	1518.7	1319.2	1239.9	1223.8
62.5°	8057.3	4353.7	1104.9	1110.8	1235.5	1471.8	1628.8	1448.3	1261.9	1191.5	1176.8
65°	6795.3	3593.6	1022.7	1047.7	1151.9	1376.4	1556.9	1389.6	1204.7	1154.8	1141.6
67.5°	4720.5	2594.3	955.3	981.7	1072.6	1279.5	1473.2	1326.5	1140.1	1113.7	1093.2
70°	2613.4	1596.5	876.0	906.8	990.5	1171.0	1379.3	1231.1	1046.2	1034.5	1005.1
72.5°	1373.4	1016.9	786.5	820.3	878.9	1031.6	1235.5	1126.9	953.8	903.9	865.7
74°	1072.6	833.5	726.3	761.6	801.2	949.4	1150.4	1052.1	887.8	829.1	799.7
75°	934.7	742.5	675.0	720.5	755.7	893.6	1084.4	999.3	851.1	795.3	768.9
77.5°	660.3	556.1	551.7	606.0	625.1	783.6	977.3	909.8	758.6	699.9	675.0
80°	463.7	416.7	437.3	471.0	497.4	692.6	906.8	786.5	622.2	553.2	544.4
82.5°	302.3	272.9	312.5	343.4	352.2	510.6	732.2	597.2	453.4	368.3	341.9
85°	139.4	136.5	179.0	174.6	173.1	249.5	434.3	349.2	261.2	195.2	183.4
87.5°	35.2	33.7	44.0	36.7	44.0	38.2	39.6	10.3	1.5	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)