

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: P649078

Luminaire Tested: **GLAN-SA8C-835-U-AFL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-28)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-835-U-AFL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40111.5 lumens
Efficiency: N/A
Efficacy: 93.5 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

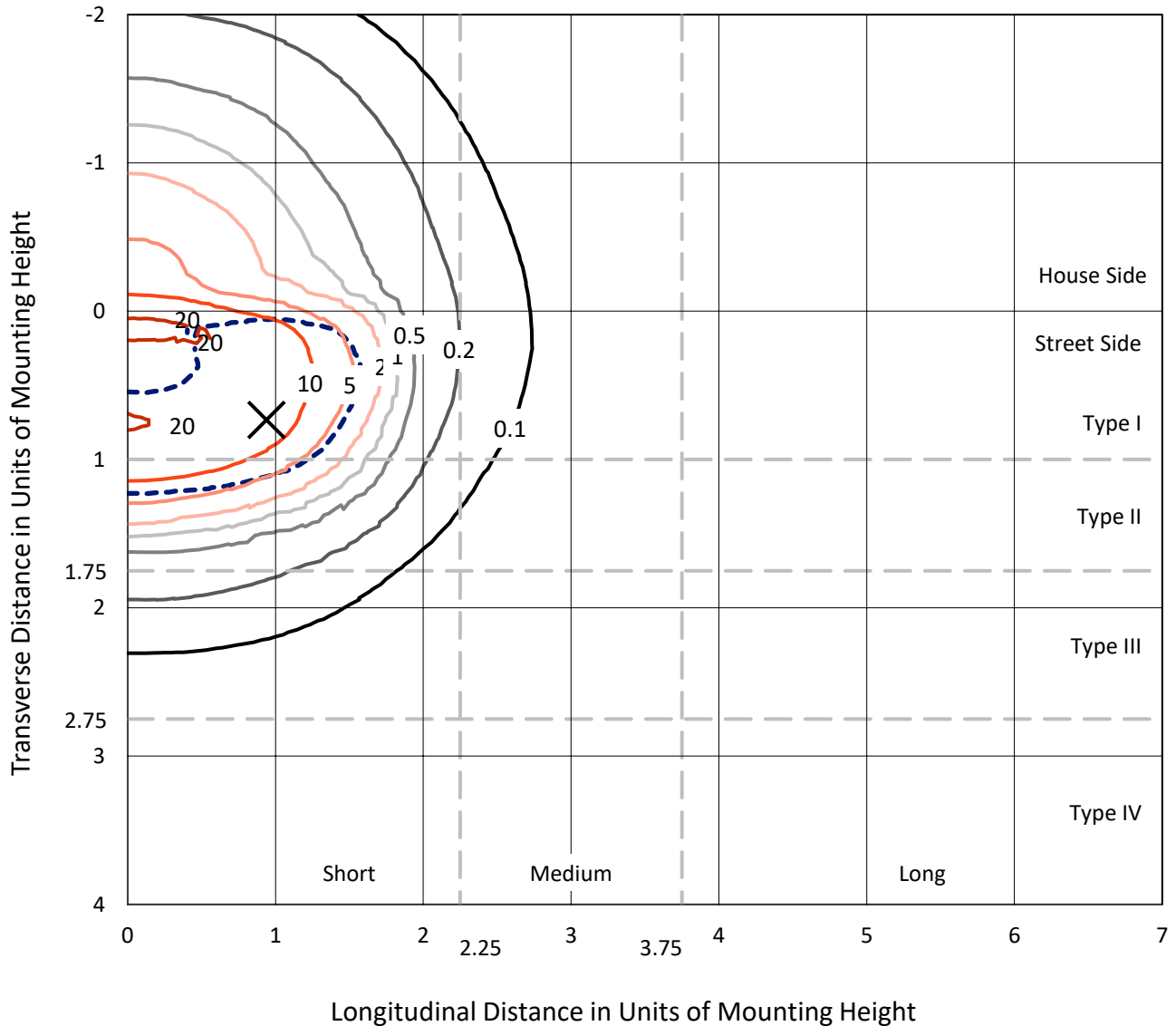
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

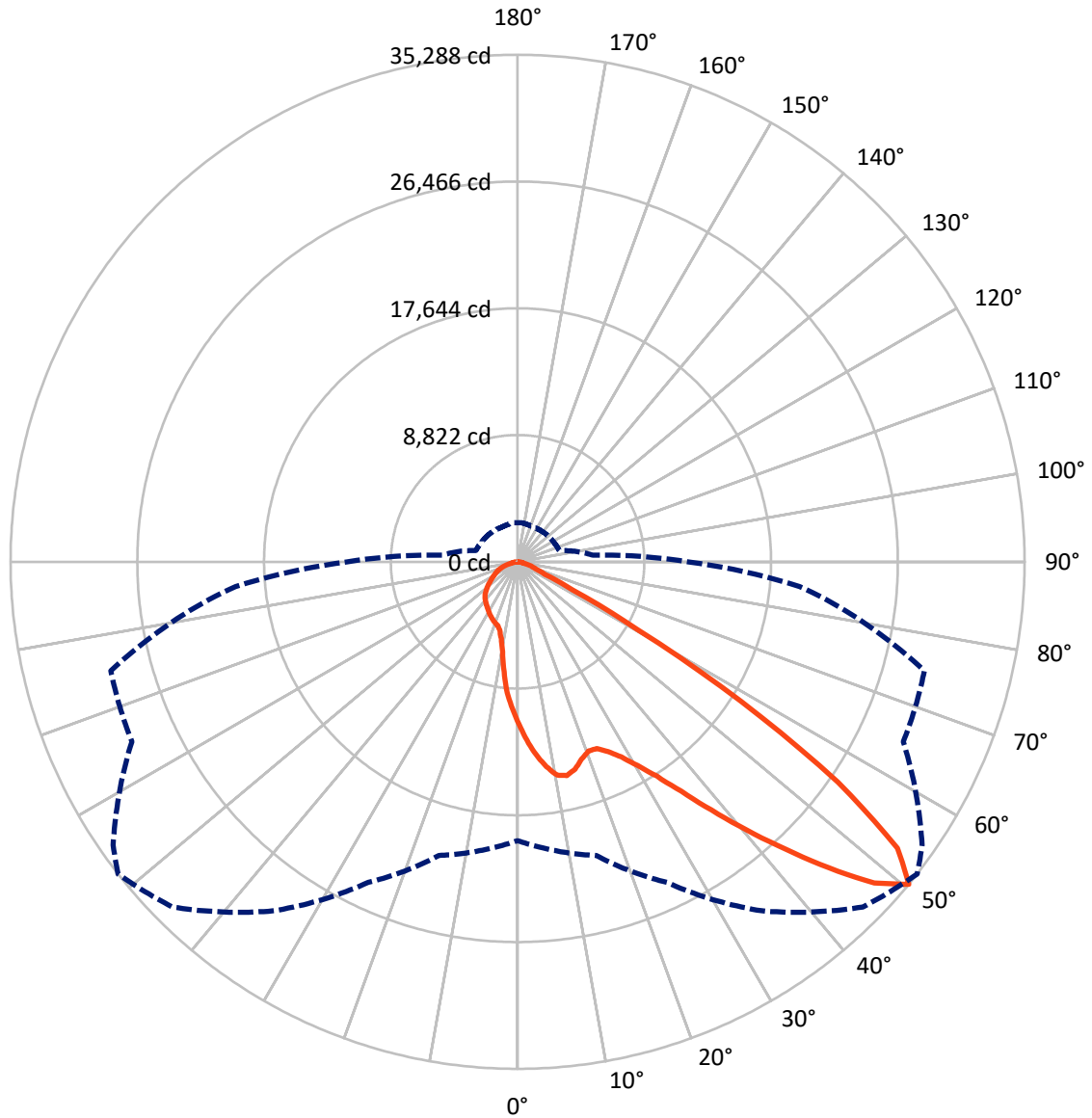
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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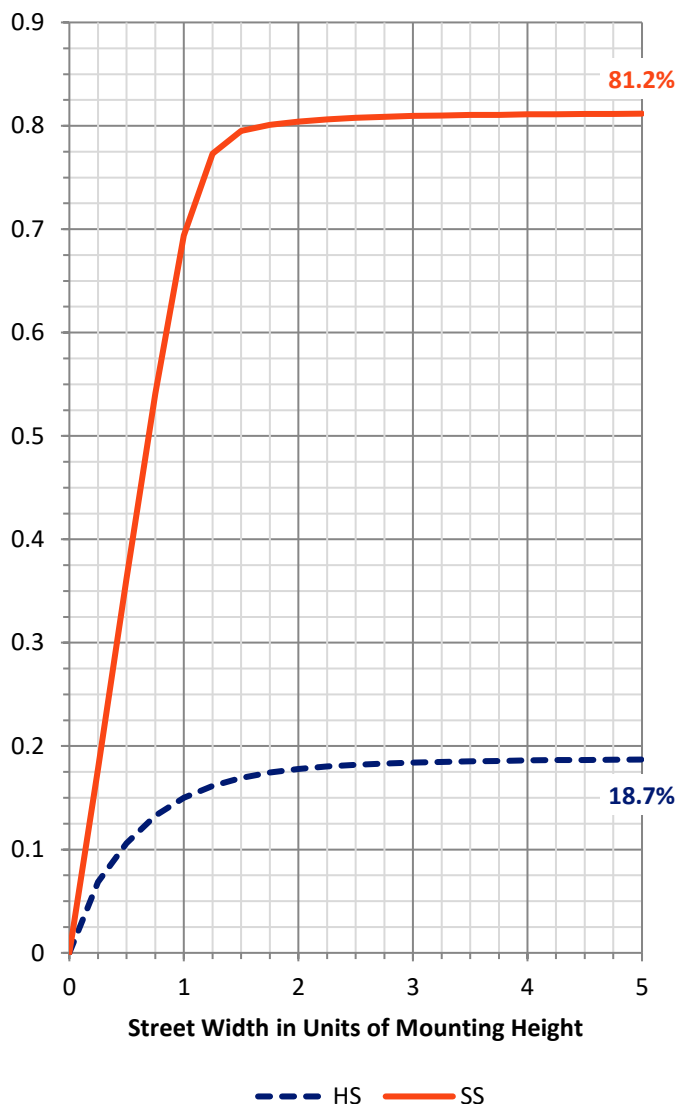
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7540.0	0.0	7540.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	32571.5	0.0	32571.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	40111.5	0.0	40111.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1042.1	2.6
10°-20°	2793.2	7.0
20°-30°	4705.0	11.7
30°-40°	7895.4	19.7
40°-50°	12078.1	30.1
50°-60°	8805.9	22.0
60°-70°	1959.8	4.9
70°-80°	706.9	1.8
80°-90°	125.1	0.3
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°	40111.5	100.0
0°-180°	40111.5	100.0

Coefficient of Utilization



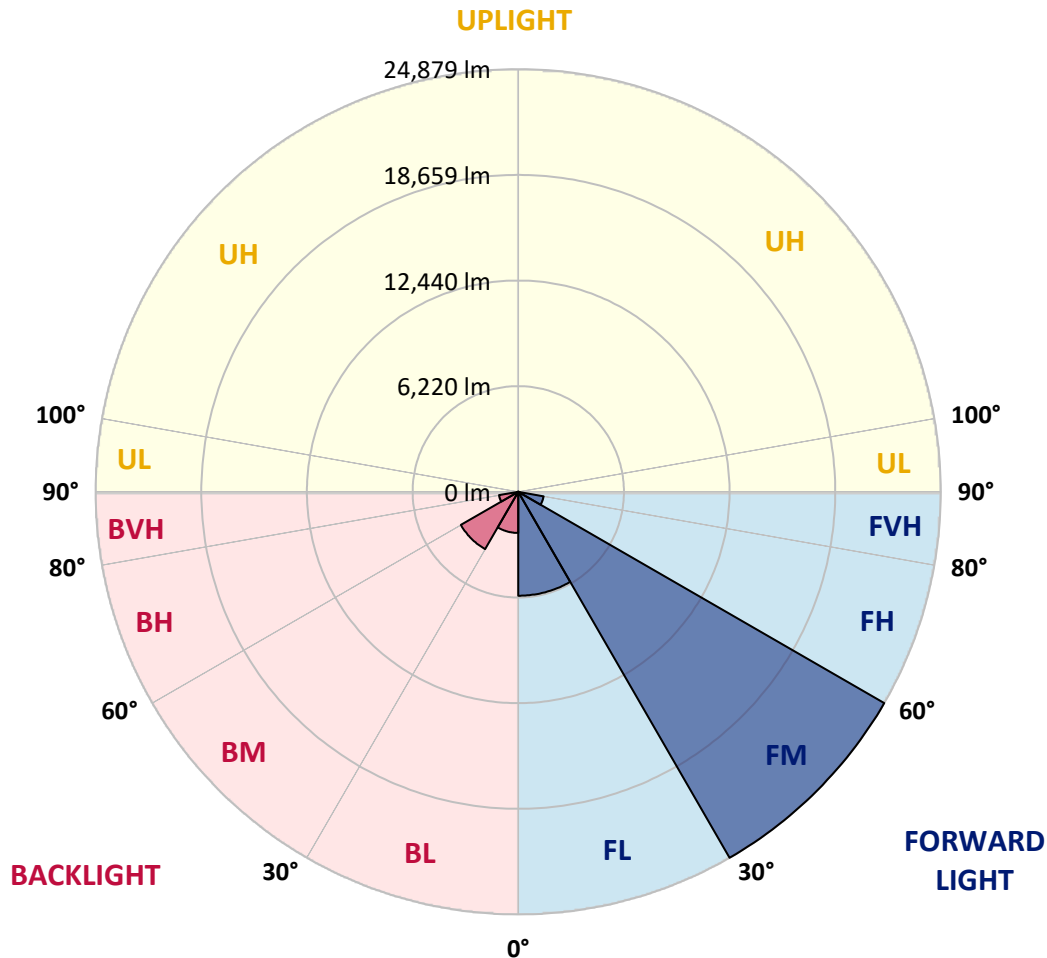
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6118.4	15.3			
FM (30°-60°)	24879.2	62.0			
FH (60°-80°)	1517.9	3.8			G1/1800
FVH (80°-90°)	56.1	0.1			G1/100
BL (0°-30°)	2422.0	6.0	B3/2500		
BM (30°-60°)	3900.2	9.7	B3/5000		
BH (60°-80°)	1148.7	2.9	B3/2500		G3/2500
BVH (80°-90°)	69.0	0.2			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°	52°	55°	65°	75°	85°
0°	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8
2.5°	13312.9	13056.7	13085.7	12902.0	12703.8	12645.8	12442.7	12249.4	12104.4	11795.0	11509.8
5°	14550.4	14473.1	14357.0	14212.0	14062.1	13694.7	13486.9	13245.2	12713.5	12234.9	11761.2
7.5°	14729.2	14714.8	14777.6	14777.6	14830.8	14690.6	14395.7	14226.5	13660.9	12882.7	12002.8
10°	13472.4	13515.9	13820.5	14216.9	14767.9	15149.8	15101.5	15058.0	14439.2	13375.8	12288.1
12.5°	12471.8	12375.1	12553.9	12892.3	13718.9	14642.3	15265.8	15270.7	15111.1	14163.7	12496.0
15°	11906.2	11973.9	12022.2	12181.8	12805.3	13873.7	14971.0	15294.8	15995.8	14719.6	12824.7
17.5°	12268.7	12041.5	12031.9	12070.6	12389.6	13192.1	14424.7	14980.6	16479.2	15435.0	13230.7
20°	12742.5	12737.6	12602.3	12553.9	12549.1	13264.6	14067.0	14821.1	16735.4	16363.1	13641.6
22.5°	13573.9	13573.9	13351.6	13245.2	13018.0	13602.9	14115.4	14627.8	17160.8	17001.3	13839.8
25°	14966.1	14739.0	14357.0	14096.0	13965.5	14173.3	14627.8	15087.0	17533.0	17678.0	14250.7
27.5°	16251.9	15894.3	15705.7	15256.2	15082.1	14961.3	15377.0	15841.1	17968.0	18731.9	14473.1
30°	17711.9	17649.0	17310.6	16730.5	16300.3	16078.0	16459.8	16919.1	18765.7	19809.8	14985.4
32.5°	20322.2	19751.8	19292.6	18582.0	17881.1	17407.3	17784.4	18088.9	20090.2	20936.2	15546.2
35°	23140.5	22956.8	22164.0	20883.0	19809.8	19384.4	19606.8	19834.0	21632.3	22657.0	16488.8
37.5°	25910.3	25659.0	25006.4	23928.4	22623.2	21757.9	21917.4	22183.3	23362.8	24977.4	17639.3
40°	27902.0	27592.6	27263.9	27104.3	25808.9	24624.5	24532.6	24600.3	25702.5	27152.7	18915.6
42.5°	28047.0	28428.9	28530.4	29173.3	28868.7	27897.1	27331.6	27346.0	27935.8	29303.9	20206.2
45°	27742.5	27389.6	28138.8	29893.6	30899.1	31353.4	30401.1	30280.3	29318.3	30551.0	20849.1
47.5°	24547.1	24643.8	25910.3	28685.0	31590.3	33620.6	33398.2	32997.0	30058.0	30507.5	20747.6
50°	19403.8	19988.7	21163.3	24619.6	29656.8	33978.4	35288.3	34360.2	29618.1	29308.6	19713.1
52.5°	12921.3	13163.0	13936.5	18398.3	23846.2	30372.2	33113.1	33325.7	29212.0	27737.6	18403.1
55°	5752.5	5733.1	6820.8	9610.0	14961.3	23111.4	27056.0	28351.5	27650.6	26137.6	17127.0
57.5°	2436.4	2518.5	2963.3	4152.4	7357.4	13946.2	18330.6	19466.6	21264.9	21463.0	13138.9
60°	1648.4	1658.1	1778.9	2078.6	3079.3	6550.1	9614.8	10978.1	12263.9	12176.9	6970.7
62.5°	1295.6	1329.4	1421.2	1542.0	1827.3	2972.9	4302.3	5061.2	5143.4	4326.5	2644.2
65°	1107.0	1111.9	1203.7	1305.2	1430.9	1730.6	2073.8	2112.5	2136.7	2059.3	1943.2
67.5°	913.6	923.3	995.8	1111.9	1227.8	1324.5	1421.2	1469.5	1580.7	1798.2	1769.3
70°	725.1	739.6	802.4	899.1	1005.5	1063.5	1184.4	1227.8	1329.4	1498.6	1566.2
72.5°	551.1	555.9	609.1	676.7	773.4	831.5	932.9	981.3	1049.0	1194.0	1256.9
75°	396.4	410.9	449.6	483.4	497.9	536.6	633.3	686.5	783.1	846.0	850.8
77.5°	207.9	217.5	227.2	227.2	275.5	348.0	410.9	439.9	507.5	555.9	531.7
80°	82.2	87.0	111.2	149.9	193.3	251.3	294.9	309.4	367.4	396.4	410.9
82.5°	48.3	53.2	72.5	106.3	140.2	178.8	212.7	227.2	265.9	299.7	309.4
85°	24.2	29.0	43.5	67.7	91.8	111.2	106.3	101.5	101.5	96.7	101.5
87.5°	9.6	9.6	14.5	14.5	14.5	19.3	24.2	24.2	24.2	29.0	29.0
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°	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8	11306.8
2.5°	11321.2	11127.9	10949.1	10620.4	10262.6	10161.1	9745.4	9595.5	9489.2	9363.5	9324.8
5°	11379.3	11123.1	10547.9	9885.6	9358.7	8681.9	8237.2	7758.6	7410.5	7323.6	7299.4
7.5°	11500.2	11060.3	10069.3	9068.6	7990.7	7072.1	6371.3	5994.2	5660.6	5641.3	5607.5
10°	11635.5	10871.7	9547.2	7976.1	6598.4	5747.6	5327.1	5162.7	5080.6	5061.2	5051.5
12.5°	11746.6	10833.0	8962.3	6912.6	5612.3	5099.9	4974.2	4959.7	4993.5	5003.2	5022.6
15°	11795.0	10678.3	8256.5	5960.4	4998.4	4809.8	4863.1	4921.0	4945.2	5008.1	4959.7
17.5°	11886.9	10480.1	7386.4	5206.2	4655.2	4689.0	4780.8	4848.5	4887.2	4930.7	4867.8
20°	11935.2	10301.3	6569.4	4756.6	4534.3	4597.1	4722.8	4776.0	4824.4	4843.7	4771.2
22.5°	11891.7	9933.9	5849.2	4394.1	4418.3	4500.4	4611.6	4669.7	4640.7	4563.3	4519.8
25°	11775.7	9416.7	5099.9	4162.1	4254.0	4399.0	4486.0	4442.4	4389.3	4345.8	4331.3
27.5°	11770.8	8783.4	4558.5	3949.4	4113.7	4312.0	4282.9	4244.3	4268.4	4234.6	4195.9
30°	11795.0	8169.5	4113.7	3828.6	4012.2	4108.9	4142.8	4104.1	4133.1	4070.3	4089.6
32.5°	11669.4	7570.0	3823.7	3688.3	3891.4	3886.6	3997.8	4026.7	3959.1	3828.6	3847.9
35°	11722.5	7086.7	3577.2	3625.5	3756.1	3756.1	3843.0	3809.2	3630.4	3553.0	3572.4
37.5°	12089.9	6612.9	3456.3	3538.5	3625.5	3664.2	3635.2	3490.1	3446.7	3446.7	3456.3
40°	12438.0	6206.9	3383.8	3519.2	3504.6	3528.8	3316.2	3330.6	3330.6	3335.5	3311.3
42.5°	12747.3	5931.4	3325.8	3403.2	3427.3	3301.6	3171.2	3156.6	3190.5	3185.6	3166.3
45°	12858.5	5704.2	3243.7	3272.6	3292.0	3084.1	3021.3	2992.2	3030.9	3045.4	3064.7
47.5°	12433.1	5515.6	3151.8	3093.8	3055.1	2919.7	2837.6	2784.4	2832.7	2915.0	2934.2
50°	11886.9	5269.1	3006.8	2895.6	2813.4	2755.4	2697.4	2644.2	2678.0	2736.0	2721.6
52.5°	11079.6	4882.4	2823.1	2707.1	2566.8	2581.4	2528.2	2499.2	2518.5	2518.5	2504.0
55°	9929.1	4012.2	2513.7	2431.5	2315.5	2354.2	2363.8	2325.2	2286.5	2320.3	2291.3
57.5°	6777.3	2832.7	2243.0	2243.0	2126.9	2180.1	2175.3	2083.5	1991.6	2001.3	1981.9
60°	3920.4	2257.5	2069.0	2049.7	1928.8	1972.3	1981.9	1919.1	1778.9	1788.6	1769.3
62.5°	2228.5	1928.8	1807.9	1778.9	1754.8	1793.4	1793.4	1711.2	1590.4	1600.1	1580.7
65°	1894.9	1788.6	1614.5	1609.7	1600.1	1609.7	1571.1	1484.0	1377.7	1334.2	1339.0
67.5°	1720.9	1653.2	1484.0	1440.6	1411.5	1406.7	1334.2	1252.0	1203.7	1165.0	1160.2
70°	1508.2	1455.0	1329.4	1271.4	1242.3	1174.7	1102.2	1049.0	981.3	962.0	981.3
72.5°	1194.0	1189.1	1140.8	1078.0	1015.2	962.0	899.1	826.6	763.7	749.3	715.4
75°	826.6	836.3	846.0	836.3	783.1	715.4	642.9	584.9	507.5	464.1	454.4
77.5°	541.4	555.9	570.4	551.1	517.2	454.4	406.1	333.6	275.5	241.7	236.9
80°	396.4	415.7	425.4	410.9	372.2	323.8	270.7	212.7	169.2	140.2	140.2
82.5°	304.5	323.8	333.6	309.4	270.7	232.0	193.3	149.9	116.0	91.8	87.0
85°	106.3	101.5	120.8	125.7	149.9	140.2	116.0	87.0	67.7	48.3	43.5
87.5°	29.0	29.0	33.8	33.8	29.0	24.2	24.2	24.2	19.3	14.5	14.5
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)