

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: P650596

Luminaire Tested: **GLAN-SA8B-835-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8B-835-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21484.7 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

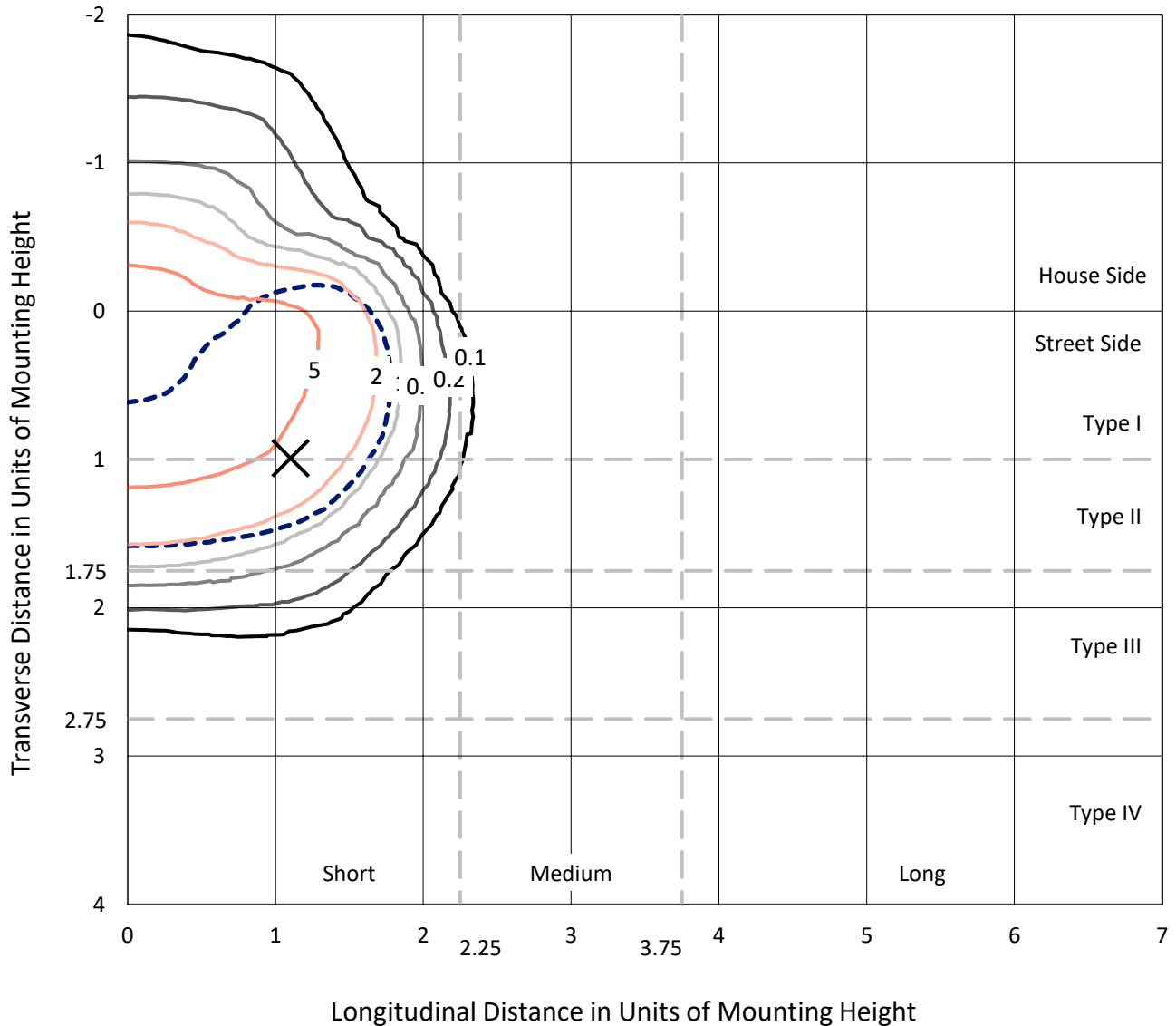
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

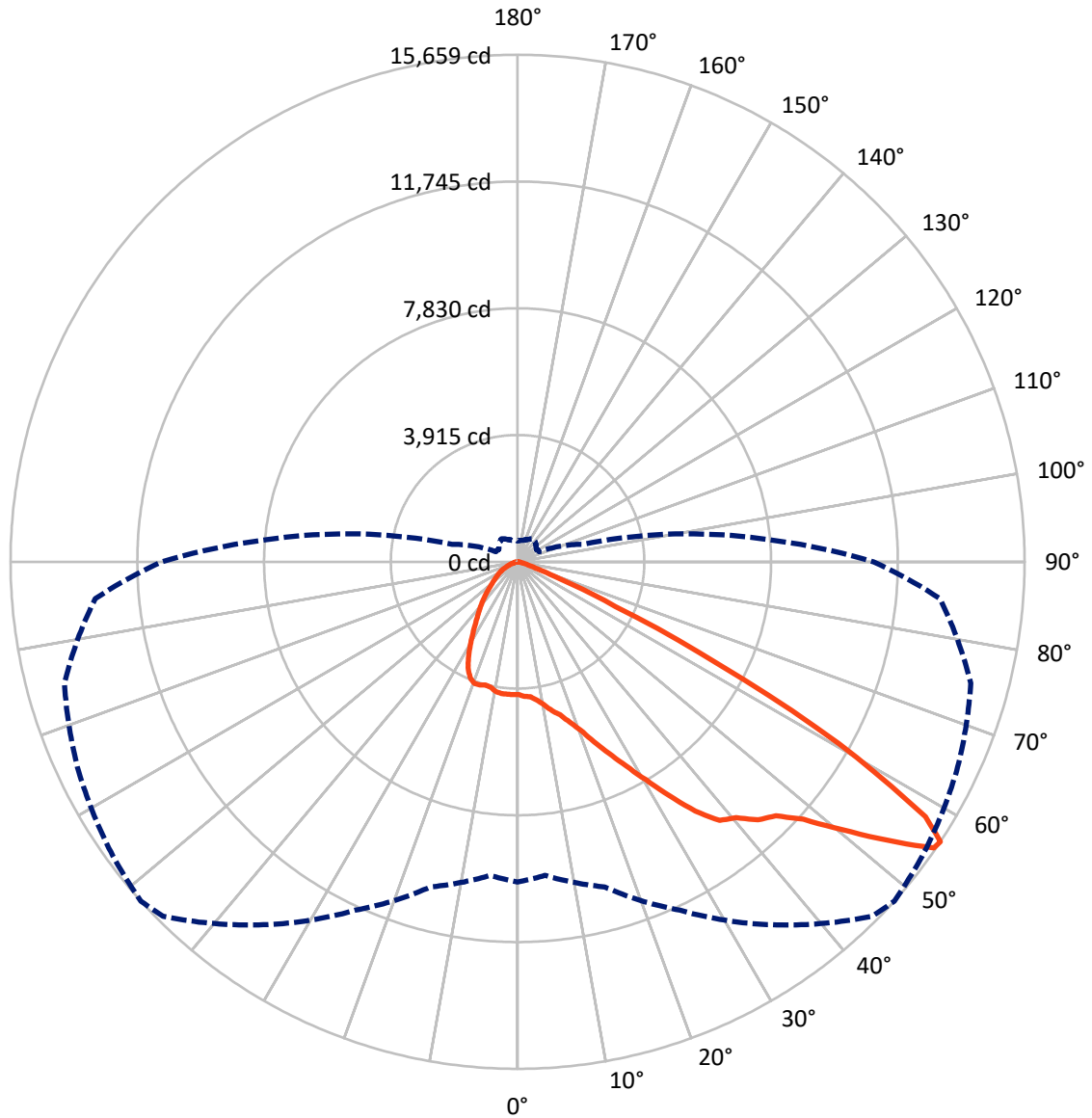
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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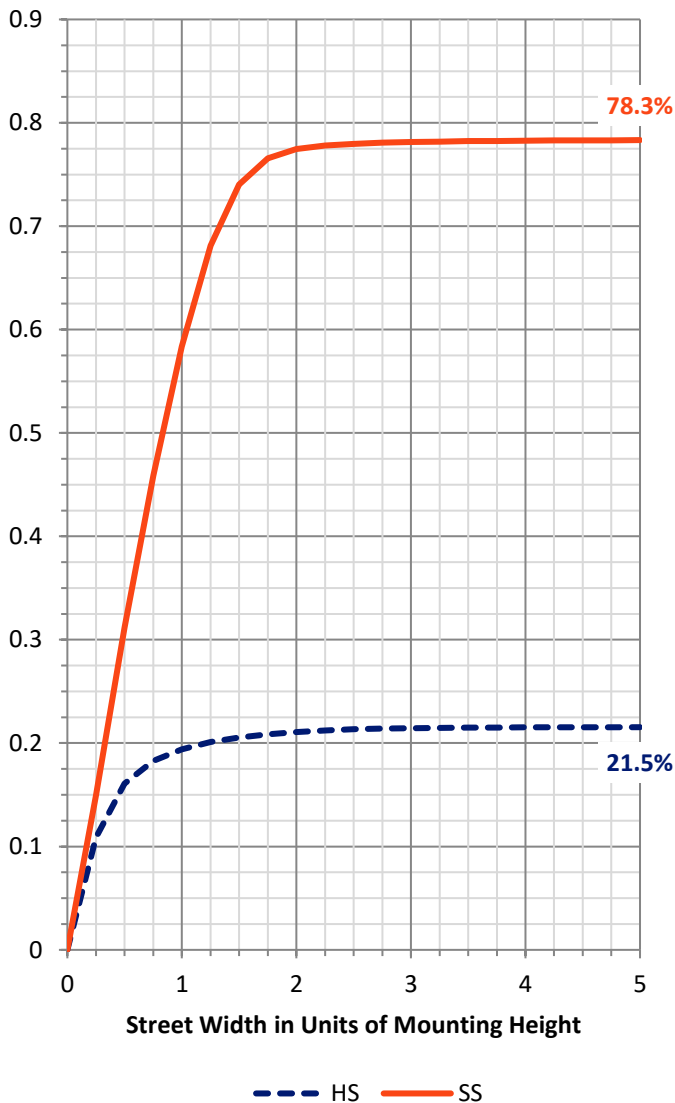
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4672.5	0.0	4672.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	16812.2	0.0	16812.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	21484.7	0.0	21484.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.7	1.9
10°-20°	1277.5	5.9
20°-30°	2317.1	10.8
30°-40°	3639.7	16.9
40°-50°	5309.7	24.7
50°-60°	6397.1	29.8
60°-70°	1873.0	8.7
70°-80°	237.6	1.1
80°-90°	33.3	0.2
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°	21484.7	100.0
0°-180°	21484.7	100.0



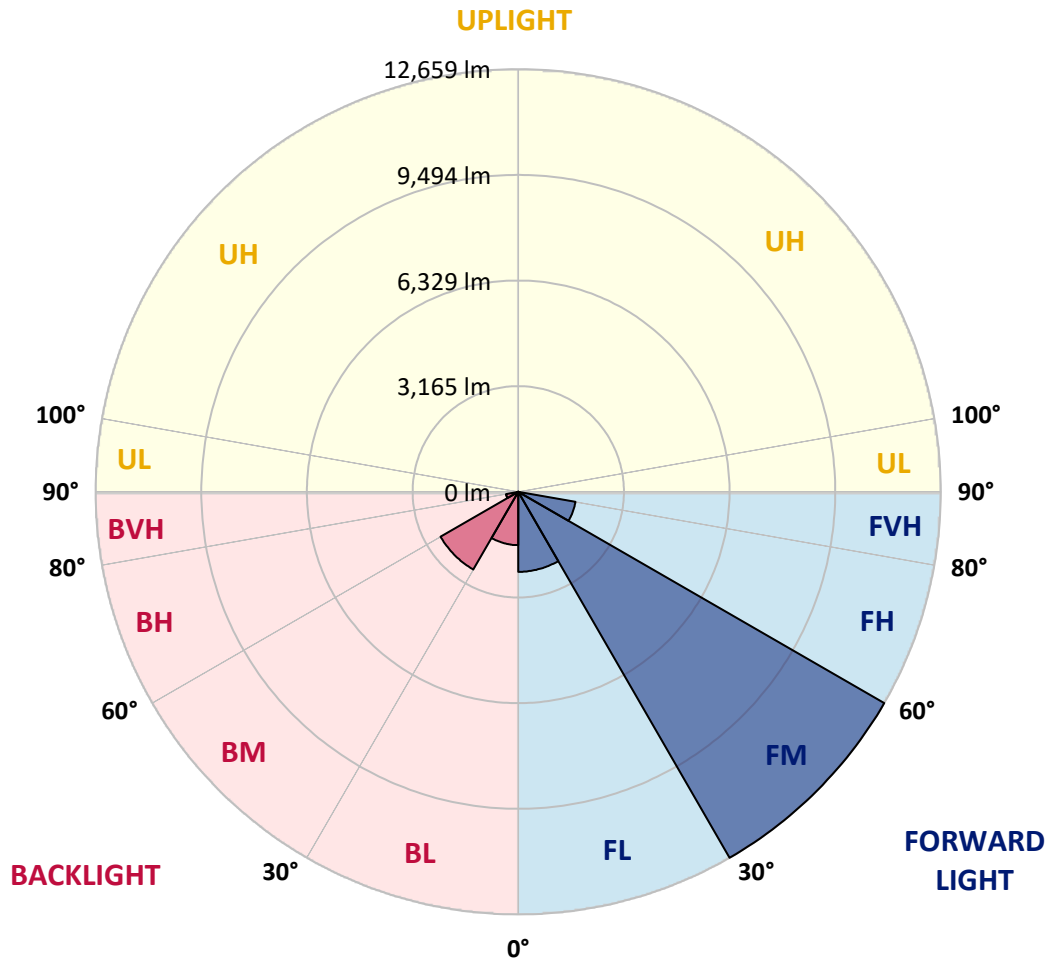
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2397.3	11.2			
FM (30°-60°)	12658.9	58.9			
FH (60°-80°)	1739.4	8.1			G1/1800
FVH (80°-90°)	16.7	0.1			G1/100
BL (0°-30°)	1597.0	7.4	B3/2500		
BM (30°-60°)	2687.6	12.5	B3/5000		
BH (60°-80°)	371.3	1.7	B1/500		G1/500
BVH (80°-90°)	16.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6
2.5°	4177.9	4158.4	4158.4	4127.0	4162.3	4146.6	4158.4	4119.2	4158.4	4099.7	4146.6
5°	4197.5	4201.4	4185.8	4205.3	4205.3	4228.7	4189.7	4224.8	4244.4	4201.4	4181.8
7.5°	4299.2	4307.0	4303.1	4287.5	4318.7	4314.8	4311.0	4283.6	4291.4	4275.7	4252.2
10°	4498.7	4494.8	4514.3	4475.2	4451.7	4479.2	4487.0	4443.9	4412.6	4400.9	4326.5
12.5°	4788.2	4741.2	4713.8	4674.7	4686.5	4647.3	4717.7	4643.4	4627.8	4557.4	4483.1
15°	5022.9	5015.0	5019.0	4956.4	4886.0	4901.7	4901.7	4862.5	4839.0	4753.0	4647.3
17.5°	5504.0	5339.7	5375.0	5296.8	5238.0	5234.1	5199.0	5206.7	5144.2	4964.2	4803.9
20°	5879.6	5809.2	5754.4	5621.4	5531.4	5558.8	5543.2	5504.0	5484.5	5249.8	5022.9
22.5°	6216.0	6239.5	6149.5	6114.3	5989.2	6000.8	6032.2	5997.0	5848.3	5605.7	5269.4
25°	6689.4	6662.0	6540.7	6497.6	6380.4	6423.3	6544.6	6517.2	6423.3	5985.3	5461.0
27.5°	7248.8	7154.9	7178.4	6982.8	6869.3	6990.5	7135.3	7272.3	7006.2	6431.2	5687.9
30°	7643.9	7546.1	7538.3	7530.4	7503.0	7643.9	7812.1	7937.3	7722.1	6877.2	6063.5
32.5°	7839.5	7863.0	7929.4	7906.0	8144.6	8434.1	8610.1	8790.0	8520.1	7604.7	6560.3
35°	8359.8	8211.1	8359.8	8375.4	8621.8	9236.0	9459.0	9889.3	9822.8	8633.6	7166.6
37.5°	8664.9	8653.2	8672.7	8821.4	9060.0	9818.9	10135.8	10468.2	10343.1	9251.7	7921.6
40°	9169.6	9200.8	9196.9	9310.3	9572.4	10257.1	10386.1	10656.1	10667.7	10108.4	9032.6
42.5°	9979.3	9854.1	9771.9	9889.3	10257.1	10636.5	10894.7	10839.9	11227.2	11149.0	10460.4
45°	10706.9	10781.2	10659.9	10855.6	10988.5	11192.0	11184.1	11301.5	11794.4	12166.0	11536.3
47.5°	11387.6	11434.5	11493.2	11626.2	11915.7	11946.9	11880.5	11829.6	12510.3	12893.7	12369.4
50°	11794.4	11837.5	12111.3	12349.9	12889.7	12960.1	12999.3	12870.2	13331.8	13374.8	13155.7
52.5°	11684.9	11731.8	12115.2	12901.5	13762.1	14407.6	14290.2	14071.1	14043.7	14212.0	13883.4
55°	10714.7	10671.7	11199.8	12424.3	14035.9	15585.1	15600.7	15369.9	14927.8	14814.4	13773.8
56°	9889.3	9721.1	10393.9	11872.6	13683.9	15483.4	15659.4	15413.0	14998.3	14489.7	13097.1
57.5°	8101.5	8262.0	8930.9	10155.4	12467.2	14751.8	14853.5	14794.9	14481.9	13629.1	11524.5
60°	4467.4	4749.1	5339.7	6838.0	8876.1	11321.1	11403.2	11880.5	11939.2	10437.0	7929.4
62.5°	1897.3	1866.0	2480.2	3583.3	5054.2	6834.1	6986.7	7475.7	7565.7	6016.5	3978.4
65°	770.6	813.7	1122.7	1803.4	2671.8	3113.9	3329.0	3489.4	3786.7	2484.1	1467.0
67.5°	508.6	504.6	661.1	1028.9	1439.5	1388.7	1388.7	1467.0	1357.4	1013.2	633.8
70°	363.8	375.5	473.3	712.0	895.8	665.0	637.7	610.3	692.4	668.9	512.5
72.5°	238.7	254.2	316.9	426.4	465.5	363.8	363.8	438.2	571.1	539.9	418.6
75°	156.4	160.4	195.6	246.5	230.8	187.8	207.3	293.4	414.7	399.0	297.3
77.5°	105.6	109.5	133.0	160.4	129.1	105.6	113.5	148.7	203.4	203.4	156.4
80°	39.2	43.1	54.7	50.8	58.6	74.3	82.1	101.7	121.3	121.3	105.6
82.5°	0.0	3.9	11.7	27.4	43.1	58.6	66.5	78.2	90.0	101.7	97.8
85°	0.0	3.9	11.7	19.6	31.3	35.2	39.2	27.4	23.5	23.5	19.6
87.5°	0.0	0.0	3.9	3.9	3.9	3.9	3.9	3.9	7.8	3.9	3.9
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°	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6	4103.6
2.5°	4103.6	4099.7	4099.7	4088.0	4111.5	4099.7	4107.5	4103.6	4052.7	4091.9	4064.5
5°	4146.6	4174.0	4131.0	4123.1	4091.9	4103.6	4103.6	4064.5	4099.7	4095.8	4088.0
7.5°	4256.2	4209.3	4162.3	4115.3	4107.5	4095.8	4052.7	4037.1	4064.5	4033.2	4080.1
10°	4303.1	4311.0	4240.5	4177.9	4119.2	4037.1	3978.4	3943.2	3900.2	3947.1	3974.5
12.5°	4518.2	4440.0	4318.7	4220.9	4021.4	3939.3	3880.6	3865.0	3939.3	3954.9	3927.5
15°	4592.6	4580.9	4424.3	4205.3	3998.0	3900.2	3911.9	3880.6	3888.5	3849.3	3857.1
17.5°	4745.1	4612.1	4428.3	4154.4	3994.1	3970.6	3900.2	3775.0	3704.6	3673.3	3700.7
20°	4913.3	4784.3	4518.2	4174.0	4029.2	3966.7	3735.8	3583.3	3438.5	3360.3	3364.2
22.5°	5062.0	4901.7	4479.2	4181.8	4060.6	3802.4	3524.6	3223.4	3043.4	2922.2	2926.1
25°	5242.0	5015.0	4494.8	4197.5	3978.4	3540.3	3141.2	2847.8	2632.7	2550.5	2577.9
27.5°	5343.7	5085.5	4580.9	4232.7	3763.3	3168.6	2738.3	2464.5	2339.3	2300.2	2296.3
30°	5648.8	5242.0	4686.5	4162.3	3403.4	2769.6	2370.6	2202.4	2081.1	2045.9	2053.7
32.5°	6102.5	5527.5	4823.4	3978.4	3035.6	2413.7	2132.0	2006.8	1893.4	1826.9	1819.1
35°	6482.1	6016.5	4968.1	3692.9	2609.3	2139.8	1963.8	1807.3	1635.2	1560.8	1541.3
37.5°	7205.7	6568.1	4936.8	3262.5	2202.4	1936.4	1783.8	1592.2	1443.5	1341.7	1330.1
40°	8168.1	7213.5	4784.3	2738.3	1901.2	1756.4	1592.2	1408.3	1224.5	1138.4	1130.6
42.5°	9337.7	8003.7	4506.6	2206.3	1600.0	1576.5	1427.9	1216.6	1052.3	989.7	993.6
45°	10288.3	8680.5	4224.8	1772.1	1377.0	1400.5	1271.4	1071.8	958.4	907.6	907.6
47.5°	11133.3	9138.2	3919.7	1463.0	1169.6	1224.5	1111.0	993.6	895.8	856.7	848.9
50°	11946.9	9603.7	3614.6	1185.3	997.5	1052.3	1040.6	946.6	868.4	821.5	825.4
52.5°	12455.5	9678.0	3227.3	970.1	872.3	935.0	974.1	888.0	801.9	774.5	766.7
55°	11833.6	8719.6	2503.6	798.0	739.4	821.5	895.8	798.0	731.6	684.6	680.7
56°	10996.4	7796.4	2092.9	735.5	700.2	790.2	868.4	762.8	688.5	661.1	641.6
57.5°	9310.3	6380.4	1545.2	653.3	649.3	735.5	825.4	727.6	641.6	618.1	618.1
60°	5805.2	3591.2	935.0	547.6	563.3	653.3	743.3	649.3	571.1	571.1	582.9
62.5°	2644.4	1494.4	567.2	465.5	485.1	563.3	661.1	586.8	543.8	586.8	594.6
65°	899.7	645.4	410.8	371.6	383.4	465.5	567.2	594.6	590.7	618.1	633.8
67.5°	504.6	414.7	344.3	309.1	301.2	344.3	465.5	594.6	571.1	559.4	567.2
70°	426.4	352.0	305.1	273.8	262.1	277.7	359.9	449.8	402.9	391.2	383.4
72.5°	344.3	293.4	266.0	246.5	211.3	179.9	164.3	172.1	191.7	203.4	223.0
75°	242.6	223.0	223.0	199.5	152.5	113.5	90.0	74.3	50.8	35.2	39.2
77.5°	136.9	136.9	140.9	121.3	97.8	74.3	54.7	39.2	19.6	7.8	3.9
80°	93.9	101.7	109.5	97.8	82.1	66.5	47.0	27.4	11.7	0.0	0.0
82.5°	93.9	105.6	113.5	97.8	82.1	62.6	47.0	27.4	11.7	3.9	0.0
85°	19.6	23.5	27.4	31.3	47.0	47.0	35.2	23.5	11.7	3.9	0.0
87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	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)