

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: P654093

Luminaire Tested: **GLAN-SA9A-840-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P654093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9A-840-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20389.2 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

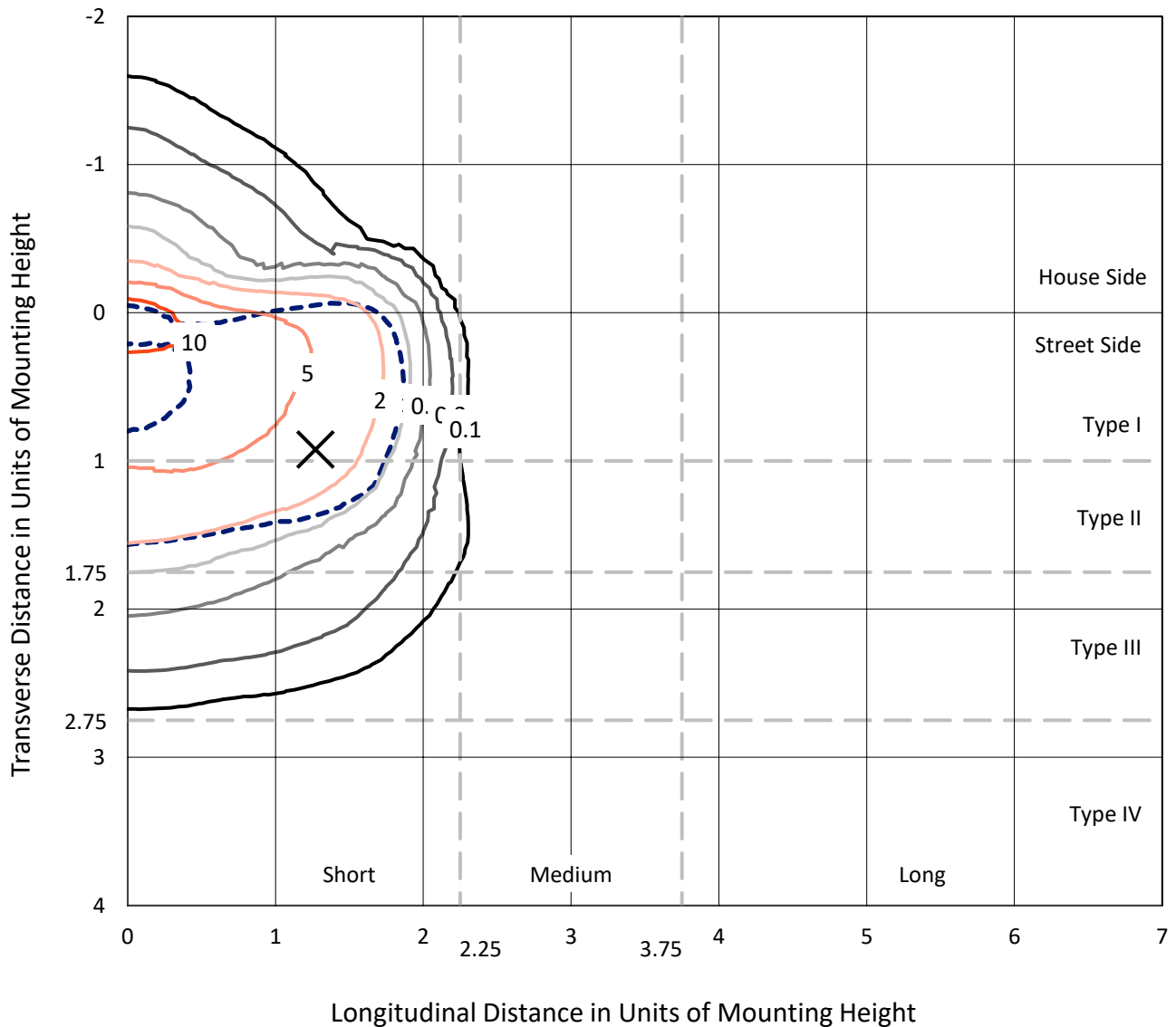
Input Watts (W): 274
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

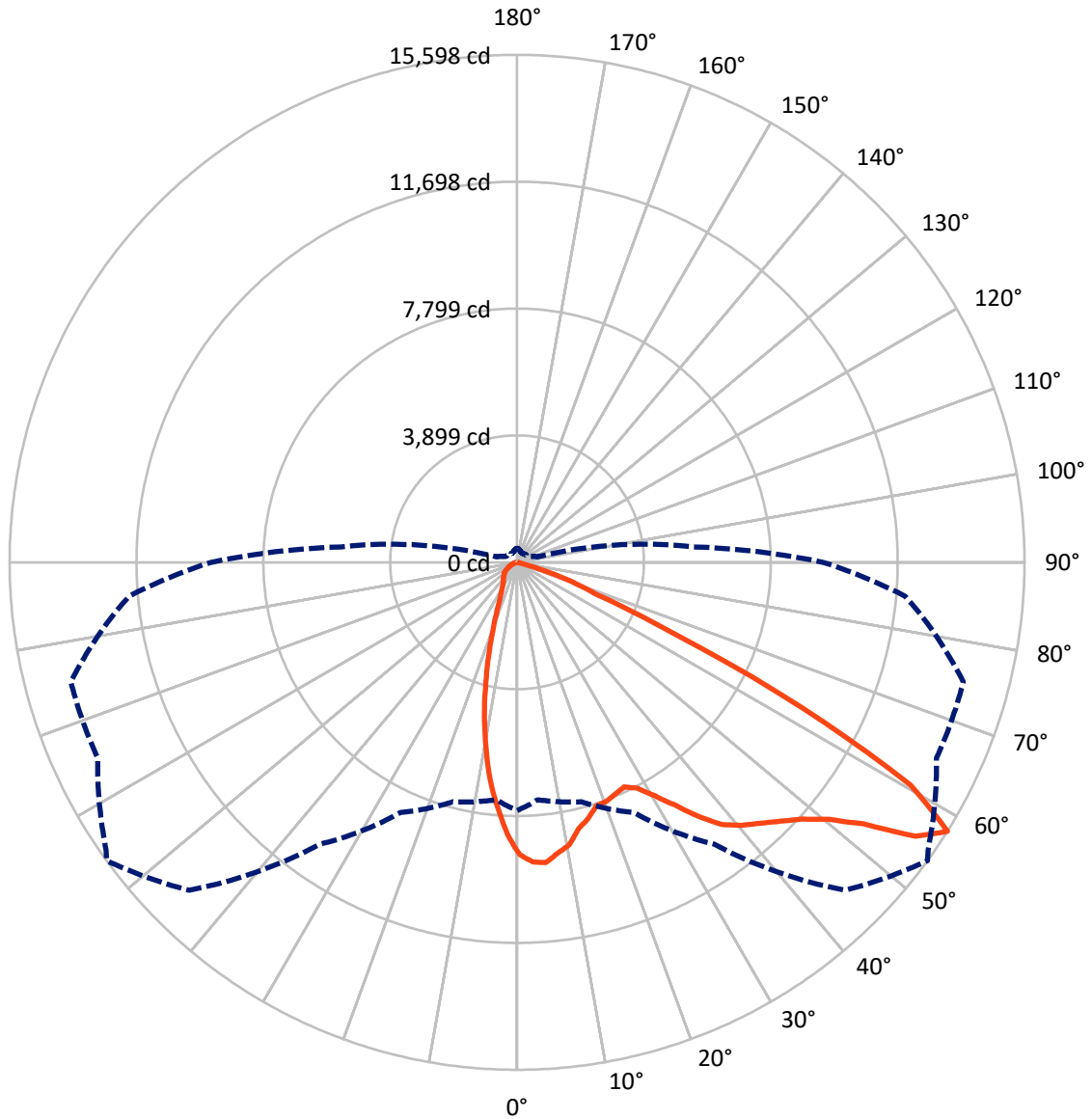
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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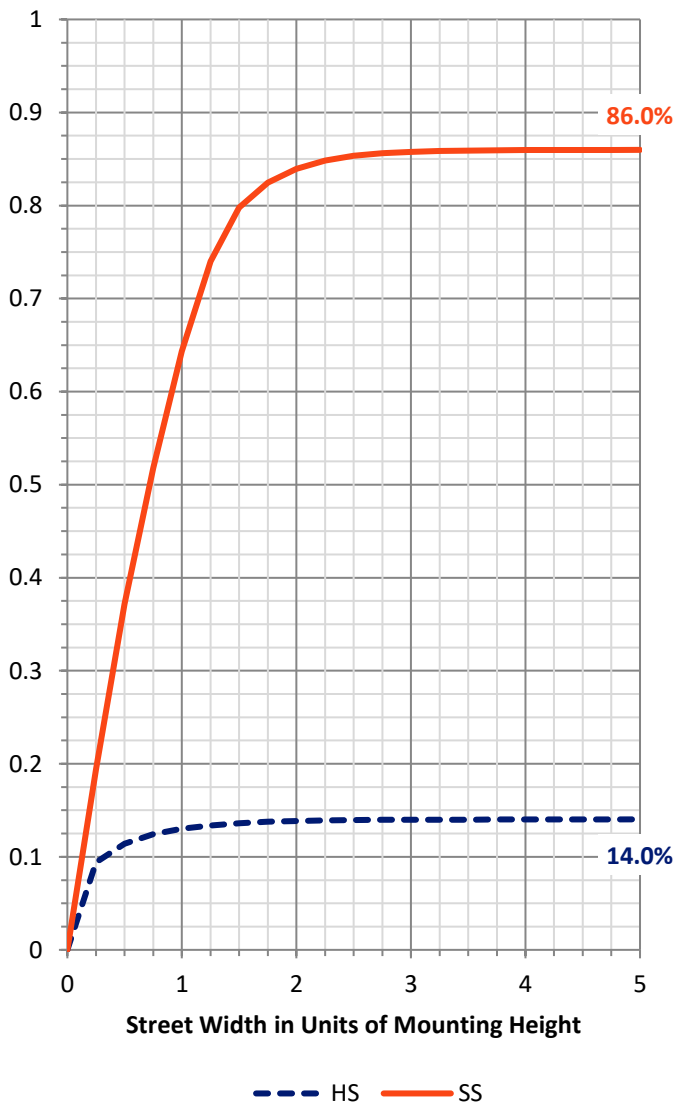
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2881.3	0.0	2881.3
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	17507.9	0.0	17507.9
	% Fixture	85.9	0.0	85.9
Total	Lumens	20389.2	0.0	20389.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	751.6	3.7
10°-20°	1604.7	7.9
20°-30°	2126.5	10.4
30°-40°	3090.4	15.2
40°-50°	4582.7	22.5
50°-60°	5730.4	28.1
60°-70°	2260.4	11.1
70°-80°	225.1	1.1
80°-90°	17.5	0.1
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°	20389.2	100.0
0°-180°	20389.2	100.0

Coefficient of Utilization



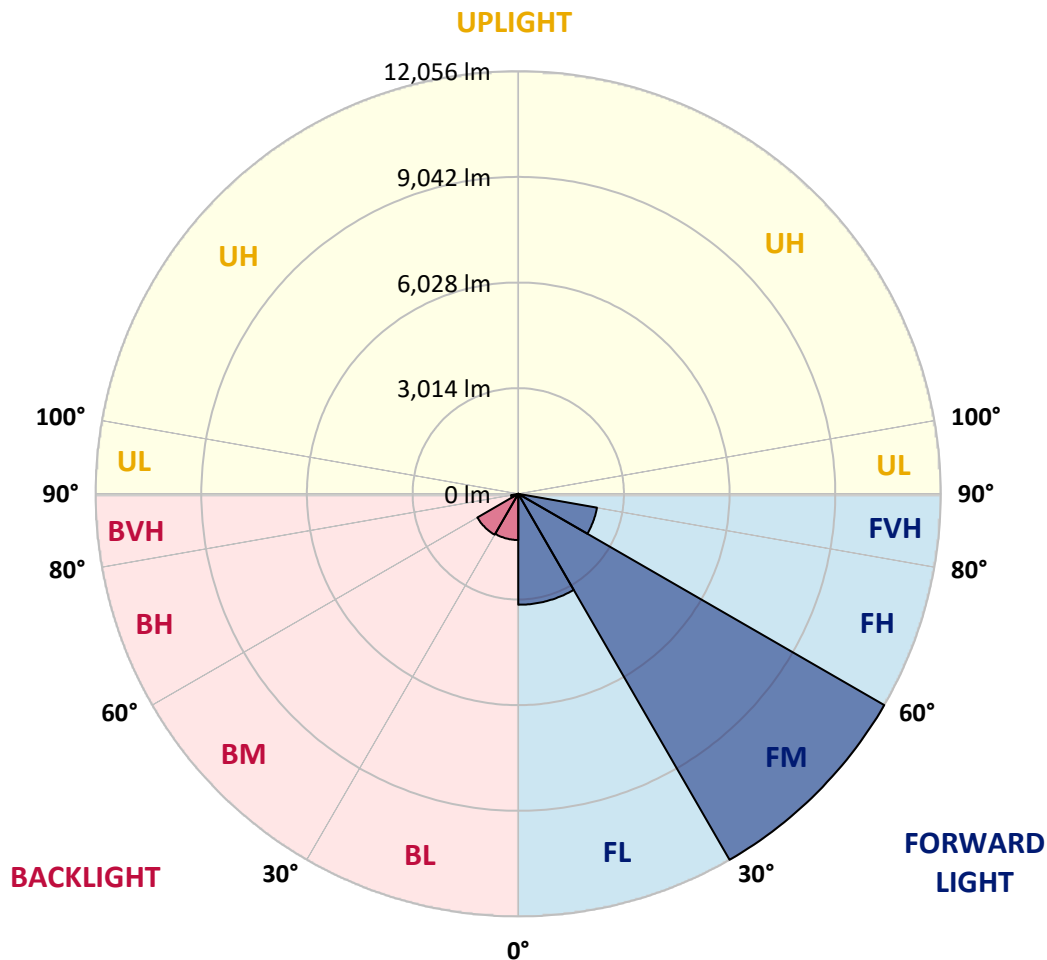
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3165.0	15.5			
FM (30°-60°)	12056.1	59.1			
FH (60°-80°)	2278.8	11.2			G2/5000
FVH (80°-90°)	7.9	0.0			G0/10
BL (0°-30°)	1317.8	6.5	B3/2500		
BM (30°-60°)	1347.4	6.6	B2/2500		
BH (60°-80°)	206.6	1.0	B1/500		G1/500
BVH (80°-90°)	9.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7
2.5°	9504.9	9406.3	9413.9	9379.8	9334.3	9368.4	9220.6	9254.7	9250.9	9050.0	8917.3
5°	9266.1	9372.2	9262.3	9353.3	9266.1	9360.8	9269.8	9201.6	9091.6	8943.8	8697.4
7.5°	8860.4	8758.0	8788.4	8902.1	8921.1	9133.3	9019.6	9106.9	9061.4	8769.4	8432.0
10°	8045.3	8022.5	8174.2	8325.8	8511.6	8739.1	8826.3	8777.0	8742.9	8632.9	8181.8
12.5°	7419.7	7484.1	7480.4	7730.6	8045.3	8174.2	8401.7	8394.0	8583.7	8378.9	7946.7
15°	6824.5	6858.5	7017.8	7173.2	7522.1	7889.8	8170.4	8208.2	8435.7	8291.7	7764.7
17.5°	6460.5	6411.2	6536.3	6722.1	7078.4	7560.0	7870.8	7961.8	8272.7	8242.4	7556.1
20°	6100.3	6100.3	6202.6	6422.5	6748.6	7290.8	7844.3	7817.8	8272.7	8185.5	7332.5
22.5°	5979.0	6039.6	6066.1	6233.0	6619.7	7086.0	7730.6	7779.8	8337.2	8159.0	7233.9
25°	6145.8	6066.1	6073.8	6206.4	6570.4	6987.4	7647.1	7757.1	8454.7	8291.7	7154.3
27.5°	6172.4	6251.9	6274.7	6365.7	6608.3	7017.8	7855.7	8079.4	8746.7	8602.6	7177.0
30°	6403.6	6483.2	6479.4	6634.9	6801.7	7264.2	8322.0	8367.5	9349.5	8993.1	7317.3
32.5°	6684.2	6767.5	6794.1	6976.1	7108.8	7715.4	8890.7	9008.3	9929.5	9607.3	7685.1
35°	7032.9	7002.7	7123.9	7305.9	7590.3	8375.1	9584.5	9781.7	10555.1	10403.5	8064.2
37.5°	7469.0	7431.1	7548.6	7844.3	8231.0	9156.1	10225.3	10354.2	11010.1	11142.8	8765.6
40°	7776.1	7791.2	8147.6	8545.7	8955.2	9899.2	10631.0	10756.1	11328.6	11832.8	9296.4
42.5°	8287.9	8382.7	8811.1	9296.4	9724.8	10456.6	10960.8	11082.1	11476.5	12386.3	10012.9
45°	9031.0	8989.3	9463.2	10005.4	10479.3	11036.6	11351.3	11309.6	11563.7	12936.1	10464.1
47.5°	9986.5	9994.0	10308.7	10771.3	11264.1	11540.9	11787.3	11639.4	11745.7	13516.2	11067.0
50°	10638.6	10695.4	10949.4	11423.4	11669.8	12094.4	12409.1	12318.1	12284.0	13865.0	11446.1
52.5°	10805.3	10976.0	11112.5	11703.9	12280.2	12951.2	13353.1	13546.5	12939.9	13982.6	11927.6
55°	9546.6	9698.2	10179.8	10991.1	12511.5	14308.6	14862.1	14865.9	13796.8	14505.7	12265.1
57.5°	7632.0	7324.9	7620.6	8481.2	10577.8	14251.7	15597.6	15419.4	14225.2	14198.6	11973.1
60°	5277.5	5201.8	5220.7	5562.0	7321.1	11336.2	13899.1	14130.4	13099.2	12306.8	9478.4
62.5°	4181.9	4117.5	4034.0	3996.1	4545.9	7063.3	9804.5	10130.5	9159.9	7980.8	5618.8
65°	3275.7	3237.8	3249.2	3400.8	3397.1	4007.4	5361.0	5228.2	4185.7	3093.8	1766.8
67.5°	2210.4	2267.3	2312.8	2771.5	3006.6	2790.4	2589.5	2513.7	1361.1	572.5	390.5
70°	1243.6	1251.2	1300.4	1732.6	2282.4	2164.9	1785.7	1785.7	678.7	208.5	223.7
72.5°	678.7	655.9	610.4	746.9	1016.1	1031.2	796.2	693.8	200.9	136.5	125.1
75°	329.8	326.1	280.6	231.3	219.9	182.0	140.3	128.9	91.0	87.2	75.9
77.5°	68.2	64.4	34.1	34.1	37.9	41.7	53.1	53.1	64.4	64.4	53.1
80°	0.0	0.0	3.8	15.1	26.6	37.9	45.5	45.5	53.1	53.1	41.7
82.5°	0.0	0.0	3.8	11.4	22.7	34.1	41.7	45.5	53.1	56.9	45.5
85°	0.0	0.0	0.0	7.6	18.9	26.6	22.7	22.7	18.9	15.1	7.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7	8981.7
2.5°	8849.0	8841.4	8667.0	8568.4	8390.2	8234.8	8109.7	8018.7	8018.7	7961.8	7908.8
5°	8598.8	8534.3	8162.7	7923.9	7586.5	7336.3	7165.7	7032.9	6824.5	6881.3	6657.6
7.5°	8287.9	8124.9	7632.0	7268.0	6801.7	6445.3	6081.4	5759.1	5448.2	5307.9	5383.7
10°	7954.3	7669.9	7006.5	6430.1	5850.1	5198.0	4773.3	4257.7	3939.2	3920.2	3836.8
12.5°	7601.6	7279.4	6471.8	5675.7	4913.6	4128.8	3480.5	2998.9	2782.9	2544.0	2589.5
15°	7336.3	6858.5	5876.6	4917.4	3905.1	3112.7	2460.6	2089.0	1884.3	1827.4	1808.5
17.5°	7048.2	6536.3	5270.0	4109.8	3063.4	2240.7	1770.6	1592.3	1512.8	1512.8	1501.4
20°	6748.6	6172.4	4667.1	3359.1	2297.5	1672.0	1417.9	1361.1	1357.3	1353.5	1353.5
22.5°	6551.5	5755.3	4121.2	2669.1	1732.6	1338.4	1232.1	1209.4	1224.6	1270.1	1270.1
25°	6342.9	5353.4	3518.4	2058.7	1342.2	1148.8	1088.1	1103.3	1141.2	1182.9	1167.7
27.5°	6130.6	5091.8	2949.6	1615.1	1099.5	1004.7	982.0	1016.1	1057.8	1095.7	1084.3
30°	6081.4	4811.2	2411.3	1224.6	944.0	875.8	891.0	921.3	963.0	978.2	993.3
32.5°	6157.1	4591.4	1975.3	1004.7	822.8	803.7	803.7	819.0	845.5	879.6	868.2
35°	6373.3	4466.2	1562.1	872.0	754.5	735.5	731.8	746.9	762.0	773.5	762.0
37.5°	6703.1	4367.6	1277.6	773.5	709.0	678.7	671.0	667.2	682.5	686.3	693.8
40°	7123.9	4420.7	1084.3	712.7	663.5	629.4	606.6	606.6	606.6	618.0	621.8
42.5°	7578.9	4492.8	936.5	678.7	621.8	580.0	557.3	549.8	557.3	572.5	568.7
45°	8056.6	4633.1	841.7	625.5	583.9	530.8	500.5	492.9	511.8	542.2	538.4
47.5°	8504.0	4834.0	769.7	591.5	546.0	496.7	458.8	451.2	485.3	527.0	530.8
50°	8951.4	5182.7	743.1	564.9	519.4	462.6	428.4	420.8	458.8	511.8	523.2
52.5°	9467.1	5558.1	724.2	530.8	489.1	436.0	398.1	390.5	432.2	500.5	504.3
55°	9804.5	5876.6	709.0	470.1	432.2	394.3	364.0	360.2	405.7	466.3	481.5
57.5°	9410.1	5433.0	655.9	409.5	367.8	348.8	322.3	322.3	360.2	417.1	428.4
60°	7135.3	3575.3	466.3	329.8	310.9	299.5	288.1	288.1	318.5	360.2	364.0
62.5°	4178.1	1926.0	299.5	265.4	265.4	254.0	235.1	235.1	265.4	288.1	291.9
65°	1239.8	618.0	242.6	227.5	223.7	204.7	185.8	182.0	204.7	216.1	212.4
67.5°	356.4	284.3	200.9	189.6	185.8	155.4	144.1	140.3	144.1	136.5	132.7
70°	212.4	193.3	155.4	159.2	140.3	113.7	102.3	98.6	91.0	79.6	72.1
72.5°	117.6	117.6	113.7	121.4	98.6	75.9	64.4	53.1	41.7	34.1	30.4
75°	72.1	75.9	79.6	83.4	64.4	49.3	41.7	26.6	15.1	7.6	7.6
77.5°	49.3	53.1	56.9	60.6	53.1	45.5	34.1	18.9	3.8	0.0	0.0
80°	37.9	41.7	49.3	53.1	56.9	60.6	45.5	18.9	3.8	0.0	0.0
82.5°	41.7	45.5	56.9	53.1	53.1	53.1	41.7	18.9	3.8	0.0	0.0
85°	7.6	11.4	18.9	18.9	26.6	34.1	26.6	7.6	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)