

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: P534052

Luminaire Tested: **GLAN-SA9C-735-U-AFL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534052
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-SA9C-735-U-AFL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 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: 53574 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

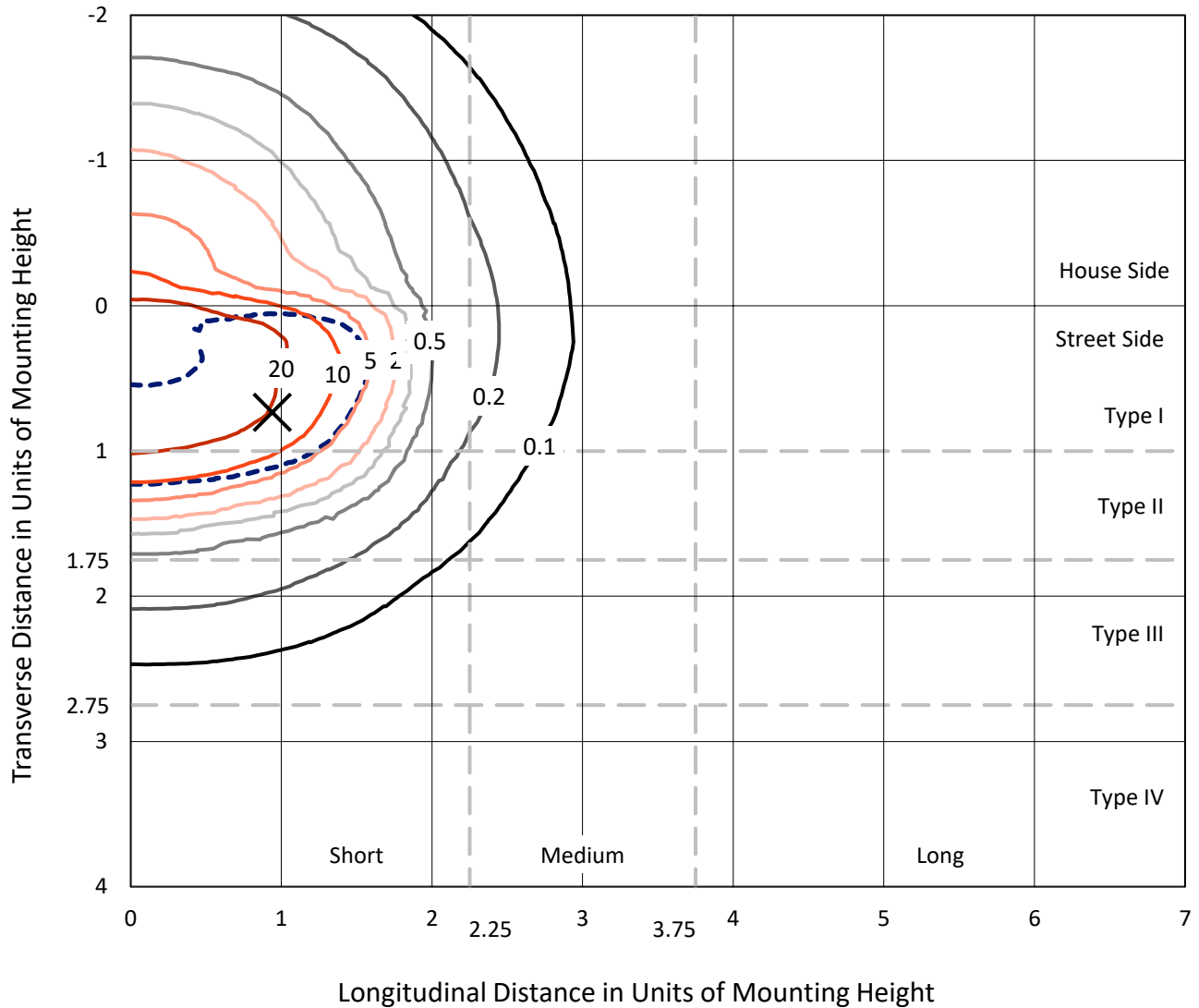
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534052
 CATALOG NUMBER: GLAN-SA9C-735-U-AFL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

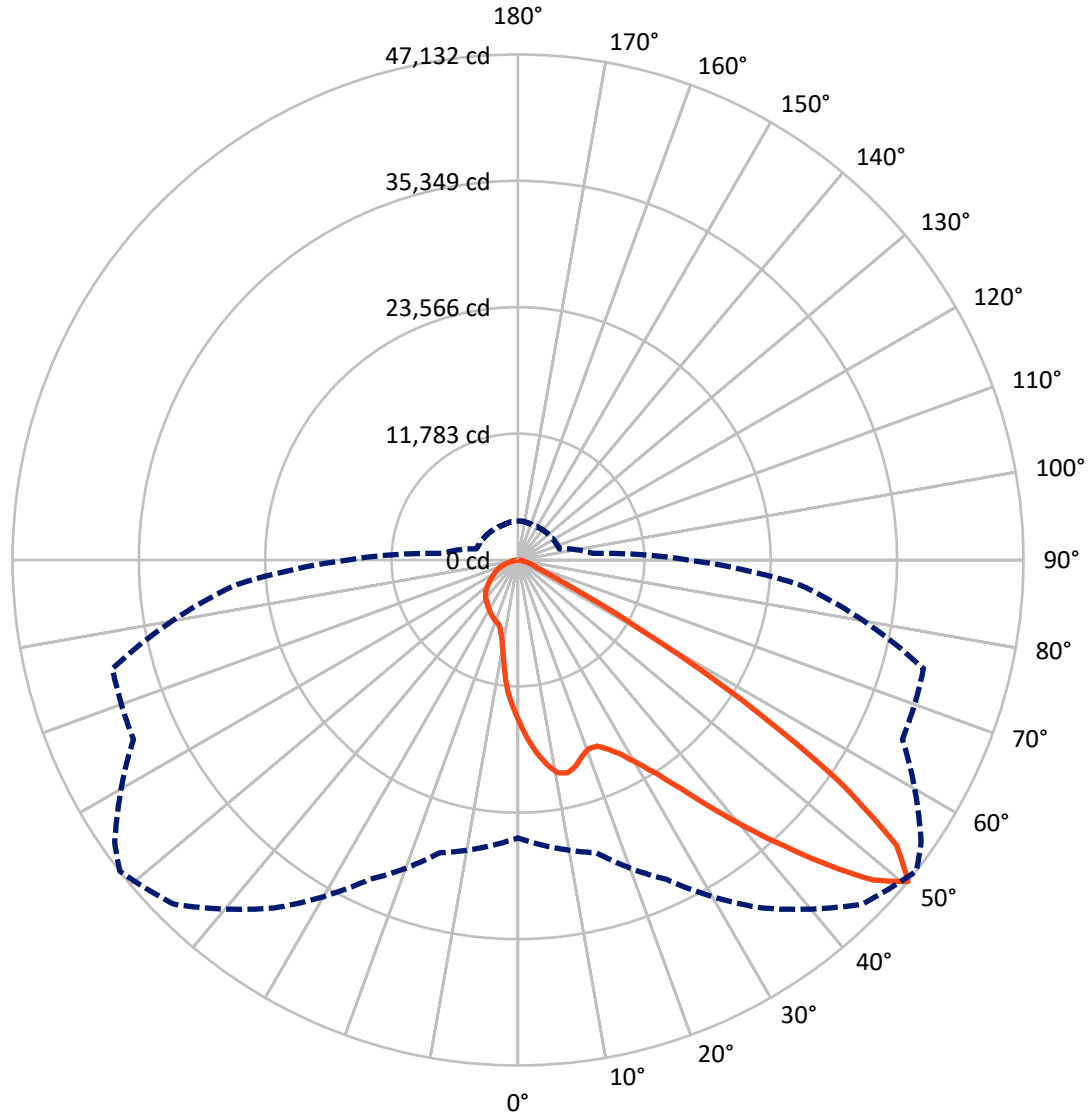
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 30.9 fc
 Type II - Short - N/A

REPORT NUMBER: P534052
CATALOG NUMBER: GLAN-SA9C-735-U-AFL-GRSWH

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: GLAN-SA9C-735-U-AFL-GRSWH

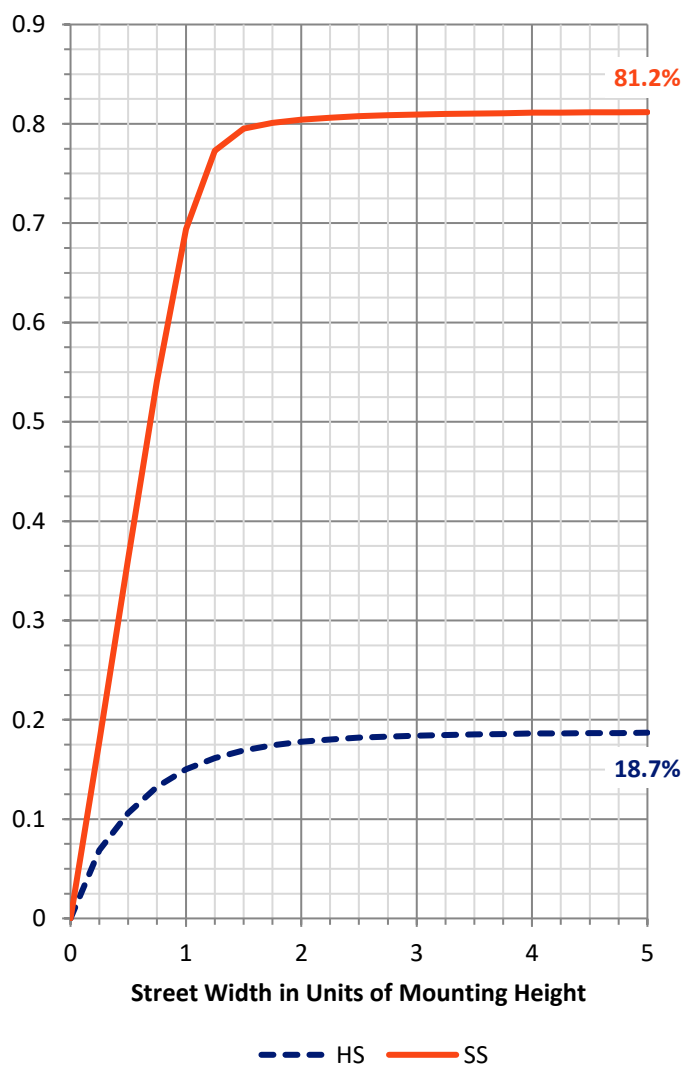
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10070.6	0.0	10070.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	43503.3	0.0	43503.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	53574.0	0.0	53574.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1391.9	2.6
10°-20°	3730.7	7.0
20°-30°	6284.2	11.7
30°-40°	10545.4	19.7
40°-50°	16131.8	30.1
50°-60°	11761.4	22.0
60°-70°	2617.5	4.9
70°-80°	944.1	1.8
80°-90°	167.1	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°	53574.0	100.0
0°-180°	53574.0	100.0

Coefficient of Utilization



REPORT NUMBER: P534052

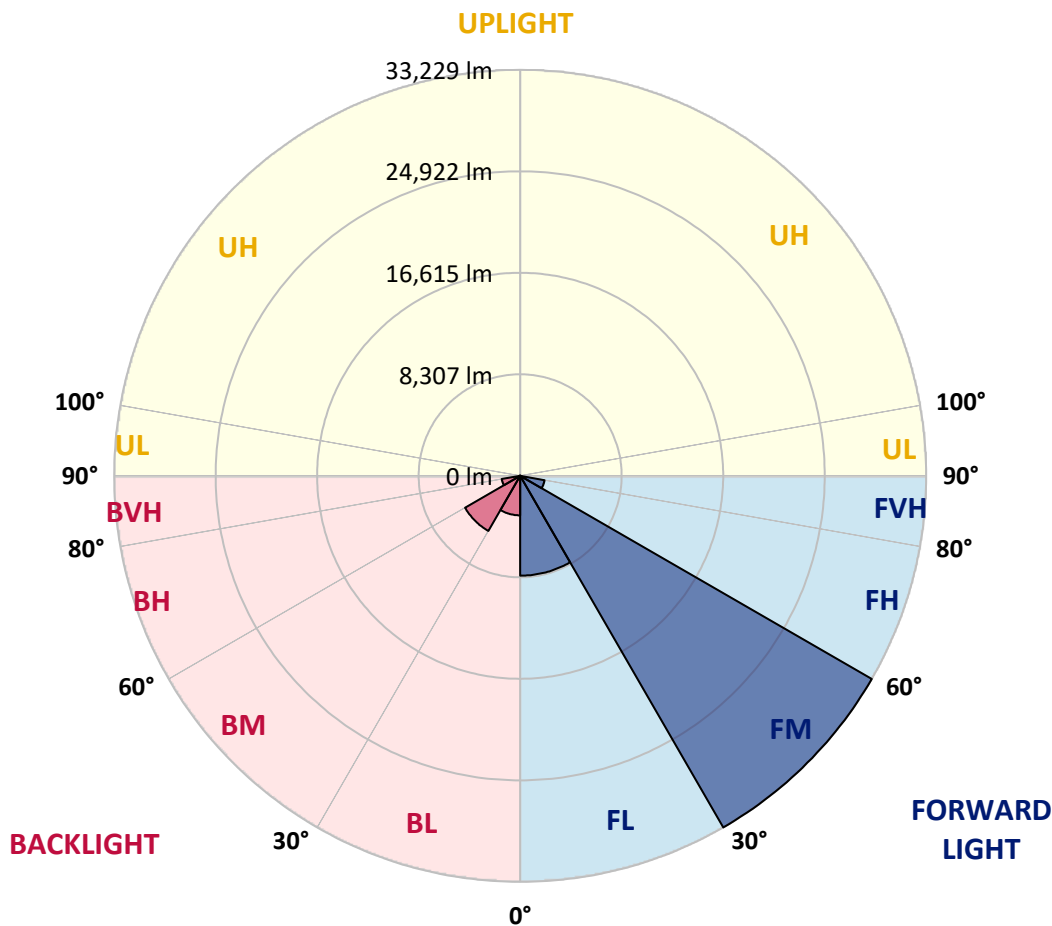
CATALOG NUMBER: GLAN-SA9C-735-U-AFL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8171.9	15.3			
FM (30°-60°)	33229.3	62.0			
FH (60°-80°)	2027.3	3.8			G2/5000
FVH (80°-90°)	74.9	0.1			G1/100
BL (0°-30°)	3234.9	6.0	B4/5000		
BM (30°-60°)	5209.2	9.7	B4/8500		
BH (60°-80°)	1534.3	2.9	B3/2500		G3/2500
BVH (80°-90°)	92.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





REPORT NUMBER: P534052

CATALOG NUMBER: GLAN-SA9C-735-U-AFL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6
2.5°	17781.0	17438.9	17477.6	17232.2	16967.5	16890.1	16618.9	16360.6	16166.9	15753.7	15372.8
5°	19433.9	19330.6	19175.6	18981.9	18781.8	18291.1	18013.5	17690.7	16980.4	16341.3	15708.5
7.5°	19672.8	19653.4	19737.3	19737.3	19808.4	19621.1	19227.3	19001.3	18245.9	17206.4	16031.4
10°	17994.1	18052.2	18459.0	18988.4	19724.4	20234.5	20169.9	20111.8	19285.4	17865.0	16412.3
12.5°	16657.6	16528.5	16767.4	17219.3	18323.4	19556.6	20389.5	20395.9	20182.8	18917.4	16689.9
15°	15902.2	15992.6	16057.2	16270.2	17103.1	18530.0	19995.6	20428.2	21364.4	19659.9	17128.9
17.5°	16386.5	16083.0	16070.1	16121.7	16547.9	17619.6	19266.0	20008.5	22010.0	20615.4	17671.3
20°	17019.2	17012.7	16831.9	16767.4	16760.9	17716.5	18788.3	19795.5	22352.2	21855.1	18220.1
22.5°	18129.7	18129.7	17832.7	17690.7	17387.2	18168.4	18852.8	19537.2	22920.4	22707.3	18484.8
25°	19989.2	19685.7	19175.6	18827.0	18652.7	18930.3	19537.2	20150.6	23417.5	23611.2	19033.6
27.5°	21706.6	21228.8	20977.0	20376.5	20144.1	19982.7	20537.9	21157.8	23998.6	25018.7	19330.6
30°	23656.4	23572.5	23120.5	22345.8	21771.1	21474.1	21984.2	22597.6	25063.9	26458.5	20015.0
32.5°	27142.9	26381.0	25767.7	24818.6	23882.4	23249.7	23753.3	24160.0	26833.0	27962.9	20763.9
35°	30907.0	30661.7	29602.8	27891.8	26458.5	25890.3	26187.3	26490.8	28892.6	30261.4	22022.9
37.5°	34606.5	34270.8	33399.2	31959.4	30216.2	29060.5	29273.5	29628.6	31204.0	33360.4	23559.6
40°	37266.6	36853.4	36414.3	36201.3	34471.0	32889.1	32766.5	32856.8	34328.9	36265.8	25264.1
42.5°	37460.3	37970.3	38105.9	38964.6	38557.9	37260.1	36504.7	36524.1	37311.8	39139.0	26987.9
45°	37053.5	36582.2	37583.0	39926.6	41269.6	41876.5	40604.6	40443.2	39158.3	40804.7	27846.6
47.5°	32785.8	32915.0	34606.5	38312.5	42192.9	44904.6	44607.6	44071.7	40146.2	40746.6	27711.1
50°	25916.2	26697.4	28266.3	32882.7	39610.3	45382.3	47132.0	45892.4	39558.6	39145.4	26329.4
52.5°	17258.1	17580.9	18613.9	24573.2	31849.6	40565.8	44226.6	44510.7	39016.3	37047.1	24579.7
55°	7683.2	7657.3	9110.0	12835.4	19982.7	30868.3	36136.7	37867.0	36930.9	34910.0	22875.2
57.5°	3254.0	3363.8	3957.8	5546.1	9826.7	18626.8	24482.8	26000.1	28401.9	28666.6	17548.6
60°	2201.6	2214.6	2376.0	2776.3	4112.8	8748.5	12841.9	14662.6	16380.0	16263.8	9310.2
62.5°	1730.3	1775.5	1898.2	2059.6	2440.5	3970.7	5746.2	6759.9	6869.7	5778.5	3531.7
65°	1478.5	1485.0	1607.7	1743.2	1911.1	2311.4	2769.8	2821.5	2853.7	2750.4	2595.5
67.5°	1220.3	1233.2	1330.0	1485.0	1639.9	1769.1	1898.2	1962.8	2111.3	2401.8	2363.1
70°	968.5	987.8	1071.8	1200.9	1342.9	1420.4	1581.8	1639.9	1775.5	2001.5	2091.9
72.5°	736.0	742.5	813.5	903.9	1033.0	1110.5	1246.1	1310.7	1401.0	1594.7	1678.7
75°	529.4	548.8	600.4	645.6	665.0	716.7	845.8	916.8	1045.9	1129.9	1136.3
77.5°	277.6	290.5	303.5	303.5	368.0	464.9	548.8	587.5	677.9	742.5	710.2
80°	109.8	116.2	148.5	200.1	258.3	335.7	393.8	413.2	490.7	529.4	548.8
82.5°	64.6	71.0	96.8	142.0	187.2	238.9	284.1	303.5	355.1	400.3	413.2
85°	32.3	38.7	58.1	90.4	122.7	148.5	142.0	135.6	135.6	129.1	135.6
87.5°	12.9	12.9	19.4	19.4	19.4	25.8	32.3	32.3	32.3	38.7	38.7
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: P534052

CATALOG NUMBER: GLAN-SA9C-735-U-AFL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6	15101.6
2.5°	15121.0	14862.7	14623.8	14184.8	13707.0	13571.4	13016.2	12816.0	12674.0	12506.1	12454.5
5°	15198.5	14856.3	14088.0	13203.4	12499.7	11595.8	11001.8	10362.6	9897.7	9781.5	9749.2
7.5°	15359.9	14772.3	13448.8	12112.3	10672.5	9445.8	8509.6	8006.0	7560.5	7534.7	7489.5
10°	15540.7	14520.5	12751.5	10653.1	8813.0	7676.7	7115.0	6895.5	6785.7	6759.9	6747.0
12.5°	15689.2	14468.9	11970.2	9232.7	7495.9	6811.5	6643.7	6624.3	6669.5	6682.4	6708.2
15°	15753.7	14262.3	11027.6	7960.8	6676.0	6424.2	6495.2	6572.7	6604.9	6688.9	6624.3
17.5°	15876.4	13997.6	9865.4	6953.6	6217.6	6262.8	6385.4	6475.8	6527.5	6585.6	6501.6
20°	15941.0	13758.7	8774.3	6353.1	6056.1	6140.1	6307.9	6379.0	6443.5	6469.4	6372.5
22.5°	15882.9	13268.0	7812.3	5868.9	5901.2	6010.9	6159.4	6236.9	6198.2	6094.9	6036.8
25°	15727.9	12577.2	6811.5	5559.0	5681.7	5875.4	5991.6	5933.5	5862.5	5804.3	5785.0
27.5°	15721.4	11731.4	6088.4	5274.9	5494.4	5759.1	5720.4	5668.8	5701.0	5655.8	5604.2
30°	15753.7	10911.4	5494.4	5113.5	5358.8	5488.0	5533.2	5481.5	5520.3	5436.3	5462.2
32.5°	15585.9	10110.8	5107.0	4926.3	5197.4	5191.0	5339.5	5378.2	5287.8	5113.5	5139.3
35°	15656.9	9465.1	4777.8	4842.3	5016.7	5016.7	5132.9	5087.7	4848.8	4745.5	4771.3
37.5°	16147.6	8832.4	4616.4	4726.1	4842.3	4894.0	4855.2	4661.6	4603.4	4603.4	4616.4
40°	16612.4	8290.1	4519.5	4700.3	4680.9	4713.2	4429.1	4448.5	4448.5	4454.9	4422.7
42.5°	17025.6	7922.1	4442.0	4545.3	4577.6	4409.8	4235.4	4216.1	4261.3	4254.8	4229.0
45°	17174.1	7618.6	4332.3	4371.0	4396.8	4119.2	4035.3	3996.5	4048.2	4067.6	4093.4
47.5°	16606.0	7366.8	4209.6	4132.1	4080.5	3899.7	3789.9	3718.9	3783.5	3893.2	3919.1
50°	15876.4	7037.5	4015.9	3867.4	3757.7	3680.2	3602.7	3531.7	3576.9	3654.3	3635.0
52.5°	14798.2	6521.0	3770.6	3615.6	3428.4	3447.7	3376.7	3338.0	3363.8	3363.8	3344.4
55°	13261.5	5358.8	3357.4	3247.6	3092.6	3144.3	3157.2	3105.5	3053.9	3099.1	3060.4
57.5°	9051.9	3783.5	2995.8	2995.8	2840.8	2911.9	2905.4	2782.7	2660.1	2673.0	2647.1
60°	5236.2	3015.2	2763.4	2737.5	2576.1	2634.2	2647.1	2563.2	2376.0	2388.9	2363.1
62.5°	2976.4	2576.1	2414.7	2376.0	2343.7	2395.3	2395.3	2285.6	2124.2	2137.1	2111.3
65°	2530.9	2388.9	2156.5	2150.0	2137.1	2150.0	2098.3	1982.1	1840.1	1782.0	1788.4
67.5°	2298.5	2208.1	1982.1	1924.0	1885.3	1878.8	1782.0	1672.2	1607.7	1556.0	1549.5
70°	2014.4	1943.4	1775.5	1698.0	1659.3	1568.9	1472.1	1401.0	1310.7	1284.8	1310.7
72.5°	1594.7	1588.3	1523.7	1439.8	1355.9	1284.8	1200.9	1104.1	1020.1	1000.7	955.6
75°	1104.1	1117.0	1129.9	1117.0	1045.9	955.6	858.7	781.2	677.9	619.8	606.9
77.5°	723.1	742.5	761.9	736.0	690.8	606.9	542.3	445.5	368.0	322.8	316.4
80°	529.4	555.3	568.2	548.8	497.1	432.6	361.6	284.1	226.0	187.2	187.2
82.5°	406.8	432.6	445.5	413.2	361.6	309.9	258.3	200.1	155.0	122.7	116.2
85°	142.0	135.6	161.4	167.9	200.1	187.2	155.0	116.2	90.4	64.6	58.1
87.5°	38.7	38.7	45.2	45.2	38.7	32.3	32.3	32.3	25.8	19.4	19.4
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)