

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: P459508

Luminaire Tested: **GLAN-SA9C-735-U-SL3**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9C-735-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58847 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

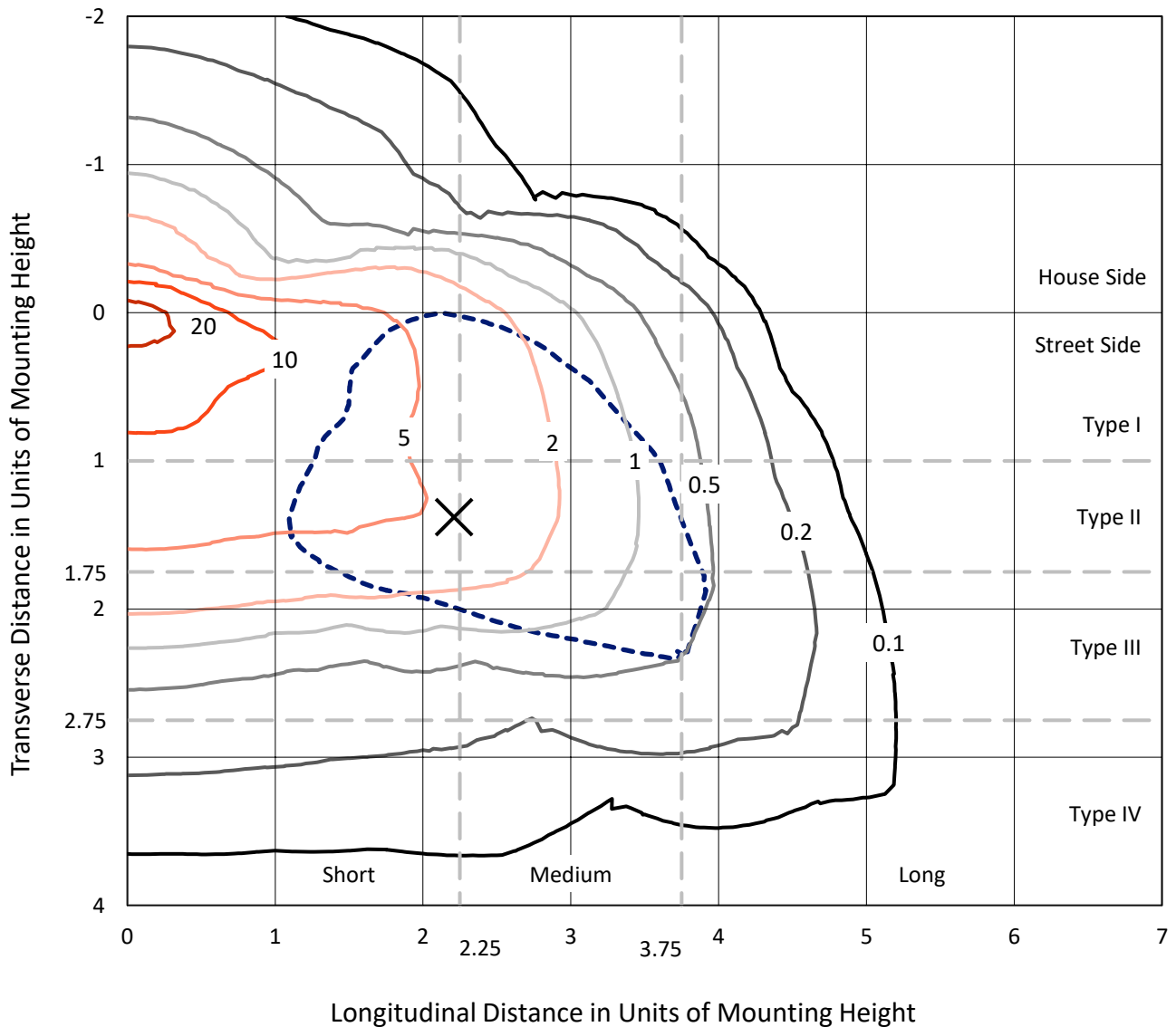
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P459508
 CATALOG NUMBER: GLAN-SA9C-735-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

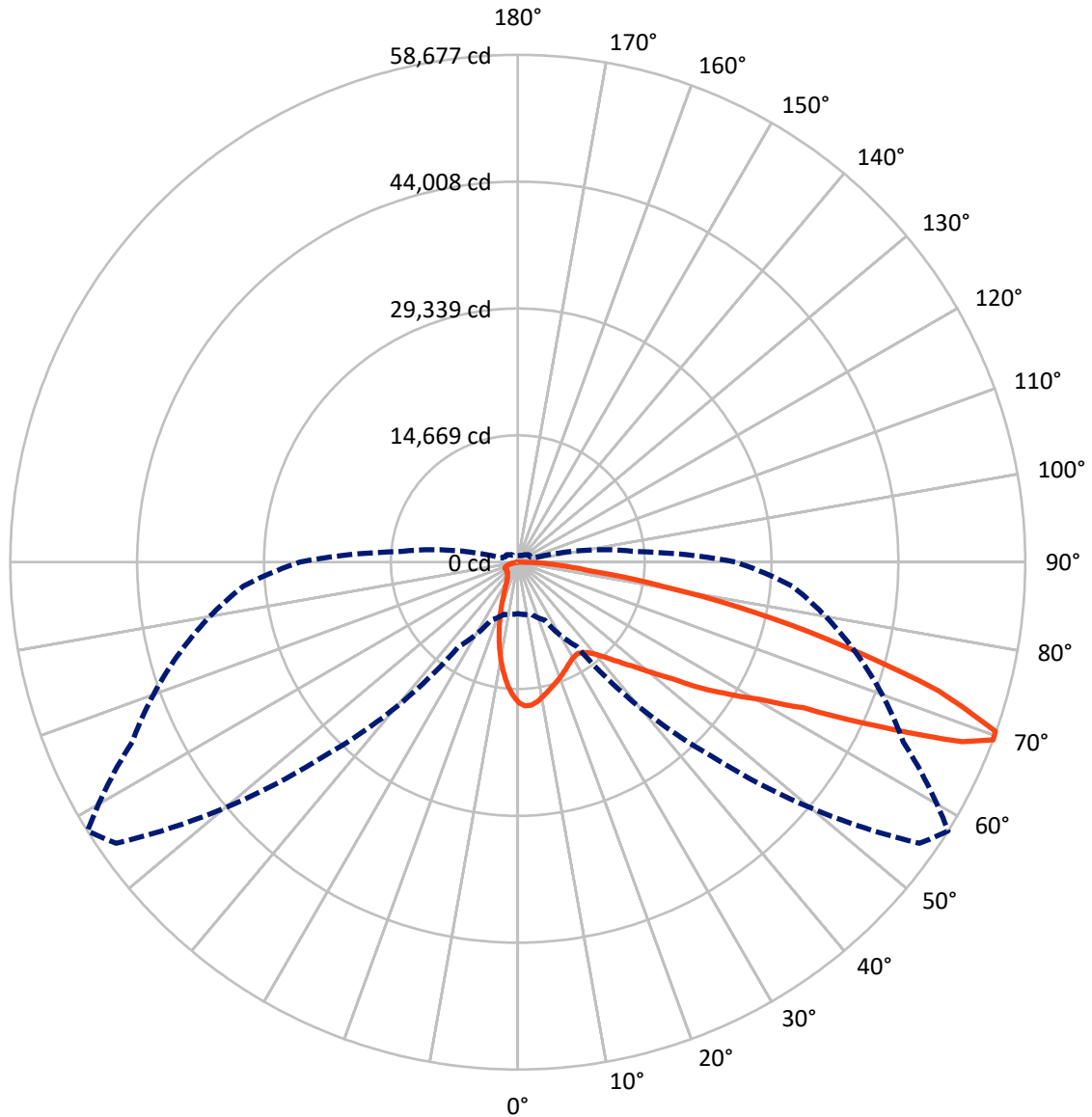
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26 fc
 Type III - Short - N/A

REPORT NUMBER: P459508
CATALOG NUMBER: GLAN-SA9C-735-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P459508

CATALOG NUMBER: GLAN-SA9C-735-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8624.0	0.0	8624.0
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	50223.0	0.0	50223.0
	% Fixture	85.3	0.0	85.3
Total	Lumens	58847.0	0.0	58847.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1381.0	2.3
10°-20°	3032.5	5.2
20°-30°	3918.0	6.7
30°-40°	5088.8	8.6
40°-50°	7398.3	12.6
50°-60°	11805.3	20.1
60°-70°	15770.4	26.8
70°-80°	9091.0	15.4
80°-90°	1361.6	2.3
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°	58847.0	100.0
0°-180°	58847.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459508

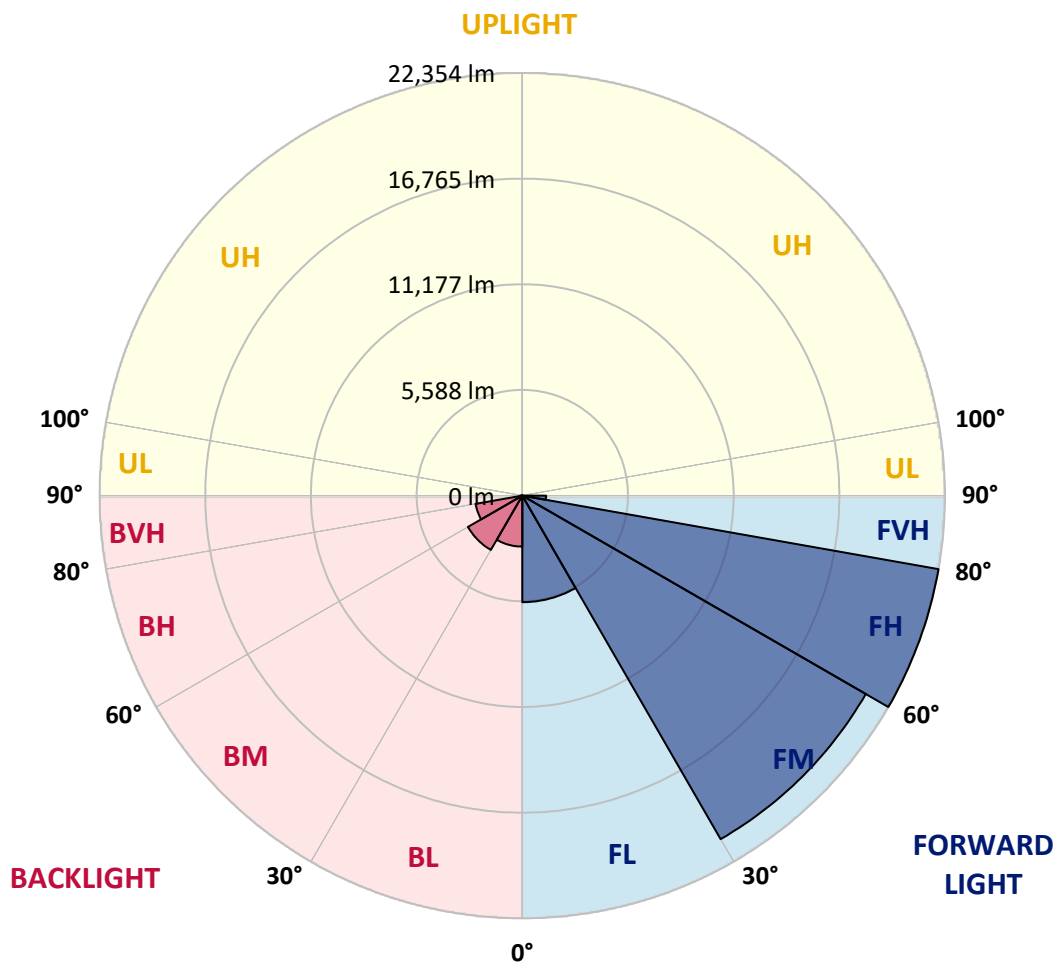
CATALOG NUMBER: GLAN-SA9C-735-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5636.0	9.6			
FM	(30°-60°)	20975.9	35.6			
FH	(60°-80°)	22353.7	38.0			G5
FVH	(80°-90°)	1257.3	2.1			G5
BL	(0°-30°)	2695.5	4.6	B4/5000		
BM	(30°-60°)	3316.5	5.6	B3/5000		
BH	(60°-80°)	2507.7	4.3	B4/5000		G4/5000
BVH	(80°-90°)	104.3	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short





REPORT NUMBER: P459508

CATALOG NUMBER: GLAN-SA9C-735-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9
2.5°	16865.7	16911.7	16898.6	16882.1	16855.9	16783.7	16665.5	16645.8	16570.4	16409.6	16209.4
5°	16606.5	16645.8	16649.1	16672.1	16704.9	16691.8	16606.5	16596.6	16485.0	16268.4	15933.7
7.5°	15717.1	15769.6	15884.4	16012.4	16127.3	16235.6	16261.9	16278.3	16209.4	15959.9	15513.6
10°	14716.1	14768.6	14821.1	15011.5	15293.7	15562.8	15786.0	15815.5	15831.9	15602.2	15057.4
12.5°	13606.8	13715.1	13826.7	14108.9	14486.4	14909.7	15303.5	15365.9	15477.5	15303.5	14663.6
15°	12664.9	12776.5	12937.3	13190.0	13646.2	14256.6	14811.3	14913.0	15132.9	15044.3	14296.0
17.5°	12011.8	12051.2	12162.8	12451.6	12943.9	13587.1	14328.8	14532.3	14883.5	14860.5	13980.9
20°	11496.5	11545.8	11614.7	11791.9	12303.9	12983.2	13879.2	14141.8	14617.6	14696.4	13669.2
22.5°	11279.9	11316.0	11306.2	11401.4	11749.2	12431.9	13423.0	13734.8	14381.3	14584.8	13380.3
25°	11293.1	11325.9	11276.6	11253.7	11460.4	11946.2	12947.1	13344.2	14191.0	14509.3	13117.8
27.5°	11512.9	11535.9	11444.0	11352.1	11368.5	11644.2	12553.3	12993.1	14030.2	14542.1	12897.9
30°	11808.3	11851.0	11791.9	11680.3	11558.9	11572.0	12300.6	12733.8	13954.7	14657.0	12792.9
32.5°	12189.0	12228.4	12202.1	12113.5	11956.0	11782.1	12238.2	12638.6	13961.2	14890.0	12769.9
35°	12589.4	12668.2	12710.8	12704.3	12576.3	12274.3	12484.4	12815.9	14118.8	15280.6	12904.5
37.5°	13042.3	13107.9	13291.7	13409.9	13291.7	12940.6	13039.0	13268.8	14466.7	15845.1	13199.8
40°	13482.1	13580.5	13849.7	14217.2	14171.3	13862.8	13885.8	14036.7	15080.4	16685.2	13777.5
42.5°	13941.6	14059.7	14529.0	15073.8	15182.1	14942.5	15004.9	15139.5	15953.4	17850.3	14768.6
45°	14532.3	14673.4	15251.0	15930.4	16357.0	16209.4	16386.6	16452.2	17121.7	19366.6	16074.8
47.5°	15293.7	15457.8	16170.0	17016.7	17620.6	17755.1	18063.6	18024.3	18569.0	21161.8	17768.3
50°	16576.9	16668.8	17341.6	18204.8	19035.1	19642.2	19977.0	20039.3	20364.3	22907.7	19661.9
52.5°	18103.0	18185.1	18670.8	19425.6	20466.0	21752.5	22579.5	22376.1	22454.8	25034.4	21877.2
55°	19819.5	19957.3	20265.8	20767.9	22116.8	24010.5	25671.1	25720.3	24847.3	27069.2	24000.6
57.5°	21148.6	21381.6	21910.0	22625.5	24335.4	26521.1	28752.8	28785.6	27669.8	29241.8	26343.9
60°	20479.1	20754.8	21962.5	23705.2	27246.4	30902.5	32435.1	32248.1	30416.7	31716.4	29202.4
62.5°	17591.0	17640.3	19396.1	22120.1	28142.4	36764.0	37915.9	37125.0	34082.6	34853.9	32106.9
65°	11384.9	11706.6	13098.1	16915.0	25198.5	40016.3	47518.8	45690.8	39222.1	38414.8	34538.8
67.5°	7187.4	7105.3	7683.0	9658.7	17331.8	37151.2	55713.7	55424.9	45943.5	40662.9	33957.9
69°	5959.9	6051.8	6248.8	7404.0	11926.5	31719.7	56681.9	58677.3	49202.4	40485.6	31847.7
70°	5405.3	5448.0	5654.7	6563.8	9202.5	26567.1	55093.4	58588.7	50482.3	39743.9	30318.3
72.5°	4289.5	4286.2	4640.6	5461.1	6878.9	15165.7	45237.9	50866.3	49051.4	36291.4	25050.8
75°	3258.9	3311.4	3702.0	4620.9	6337.4	8286.8	31568.7	39172.9	39176.2	28664.2	15631.7
77.5°	2349.8	2382.7	2838.9	3879.2	5969.8	6718.1	21027.2	28096.4	26412.8	13134.2	4913.0
80°	1539.2	1558.9	1906.8	3071.9	5382.3	6337.4	12468.0	17197.2	12458.1	3485.4	1624.5
82.5°	843.5	941.9	1165.1	1988.8	4319.0	5854.9	7577.9	8703.6	4673.4	1552.3	846.7
85°	423.4	449.6	656.4	1161.8	2822.4	4844.1	5277.3	4991.8	2412.2	771.2	439.8
87.5°	124.7	157.5	272.4	449.6	1145.4	2523.8	2937.3	2635.4	928.8	279.0	91.9
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: P459508

CATALOG NUMBER: GLAN-SA9C-735-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9	16261.9
2.5°	16127.3	16068.2	15805.7	15569.4	15352.8	15123.0	14929.4	14758.8	14775.2	14778.4	14604.5
5°	15759.7	15625.2	15126.3	14660.3	14266.5	13767.6	13341.0	13065.3	12927.4	12743.7	12809.3
7.5°	15260.9	15001.6	14309.1	13534.6	12809.3	12162.8	11460.4	10978.0	10669.5	10370.8	10410.2
10°	14745.6	14328.8	13321.3	12297.3	11358.7	10324.9	9428.9	8661.0	8089.9	7876.6	7735.5
12.5°	14217.2	13669.2	12389.2	11027.2	9730.9	8493.6	7223.5	6399.7	5769.6	5434.8	5477.5
15°	13734.8	13068.6	11417.8	9757.1	8073.5	6599.9	5333.1	4548.7	4109.0	4017.1	4069.6
17.5°	13288.5	12415.5	10508.7	8523.1	6557.3	4949.1	4007.2	3564.2	3386.9	3337.7	3334.4
20°	12829.0	11860.8	9488.0	7203.8	5109.9	3836.6	3288.5	3081.7	3048.9	3068.6	3071.9
22.5°	12363.0	11174.9	8437.8	5894.3	4069.6	3137.5	2875.0	2819.2	2845.4	2891.4	2897.9
25°	11933.0	10571.0	7427.0	4745.6	3249.1	2756.8	2628.8	2628.8	2687.9	2756.8	2760.1
27.5°	11578.6	9986.9	6419.4	3767.6	2720.7	2481.1	2438.5	2461.4	2543.5	2596.0	2599.3
30°	11286.5	9442.1	5467.7	3019.4	2392.5	2261.2	2251.4	2290.8	2349.8	2399.1	2402.4
32.5°	11066.6	8962.9	4578.3	2536.9	2166.1	2093.9	2090.6	2120.1	2152.9	2166.1	2179.2
35°	10981.3	8565.8	3764.4	2231.7	2015.1	1969.1	1969.1	1965.9	1979.0	1985.6	1992.1
37.5°	11050.2	8260.6	3134.2	2034.8	1903.5	1870.7	1851.0	1831.3	1824.7	1824.7	1828.0
40°	11342.3	8099.8	2664.9	1906.8	1824.7	1775.5	1739.4	1716.4	1693.5	1700.0	1706.6
42.5°	11962.6	8129.3	2346.6	1821.5	1755.8	1686.9	1634.4	1608.1	1591.7	1611.4	1608.1
45°	12950.4	8424.7	2143.1	1762.4	1686.9	1598.3	1549.1	1522.8	1522.8	1552.3	1562.2
47.5°	14332.1	8989.2	2034.8	1716.4	1634.4	1529.4	1480.1	1460.5	1467.0	1516.2	1519.5
50°	16019.0	9970.4	2015.1	1693.5	1608.1	1480.1	1424.3	1404.7	1421.1	1473.6	1480.1
52.5°	17879.8	11234.0	2110.3	1696.7	1585.2	1450.6	1378.4	1348.9	1365.3	1407.9	1421.1
55°	20085.3	12815.9	2356.4	1709.9	1552.3	1434.2	1345.6	1279.9	1299.6	1329.2	1332.5
57.5°	22336.7	14811.3	2789.6	1713.2	1526.1	1404.7	1289.8	1204.5	1204.5	1224.2	1234.0
60°	25086.9	16983.9	3360.7	1716.4	1529.4	1362.0	1214.3	1119.1	1106.0	1115.8	1119.1
62.5°	27817.5	18802.1	3455.9	1706.6	1562.2	1319.3	1132.3	1033.8	1010.8	1007.5	1001.0
65°	29021.9	18464.0	2832.3	1660.6	1598.3	1293.1	1066.6	951.8	912.4	899.2	899.2
67.5°	27059.4	15618.6	2130.0	1598.3	1575.3	1266.8	1004.3	882.8	836.9	810.6	810.6
69°	25214.9	13892.3	1913.4	1555.6	1516.2	1224.2	964.9	846.7	790.9	761.4	751.6
70°	23790.6	12704.3	1821.5	1519.5	1460.5	1174.9	935.3	820.5	758.1	725.3	718.7
72.5°	18985.9	9967.2	1595.0	1381.7	1243.8	987.9	830.3	738.4	679.4	643.3	633.4
75°	10941.9	5402.0	1322.6	1201.2	1001.0	768.0	702.3	643.3	597.3	564.5	554.6
77.5°	3367.2	2087.3	958.3	948.5	735.1	594.0	561.2	538.2	505.4	469.3	462.7
80°	1417.8	1063.3	649.8	640.0	489.0	413.5	403.7	400.4	387.3	357.7	347.9
82.5°	777.8	600.6	452.9	393.8	295.4	239.6	249.4	252.7	242.9	213.3	193.6
85°	380.7	328.2	219.9	177.2	134.6	85.3	82.0	98.5	91.9	65.6	72.2
87.5°	75.5	91.9	59.1	26.3	13.1	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)