

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: P531244

Luminaire Tested: **GLAN-SA6C-735-U-AFL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531244  
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-SA6C-735-U-AFL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 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: 35044 lumens  
Efficiency: N/A  
Efficacy: 109.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

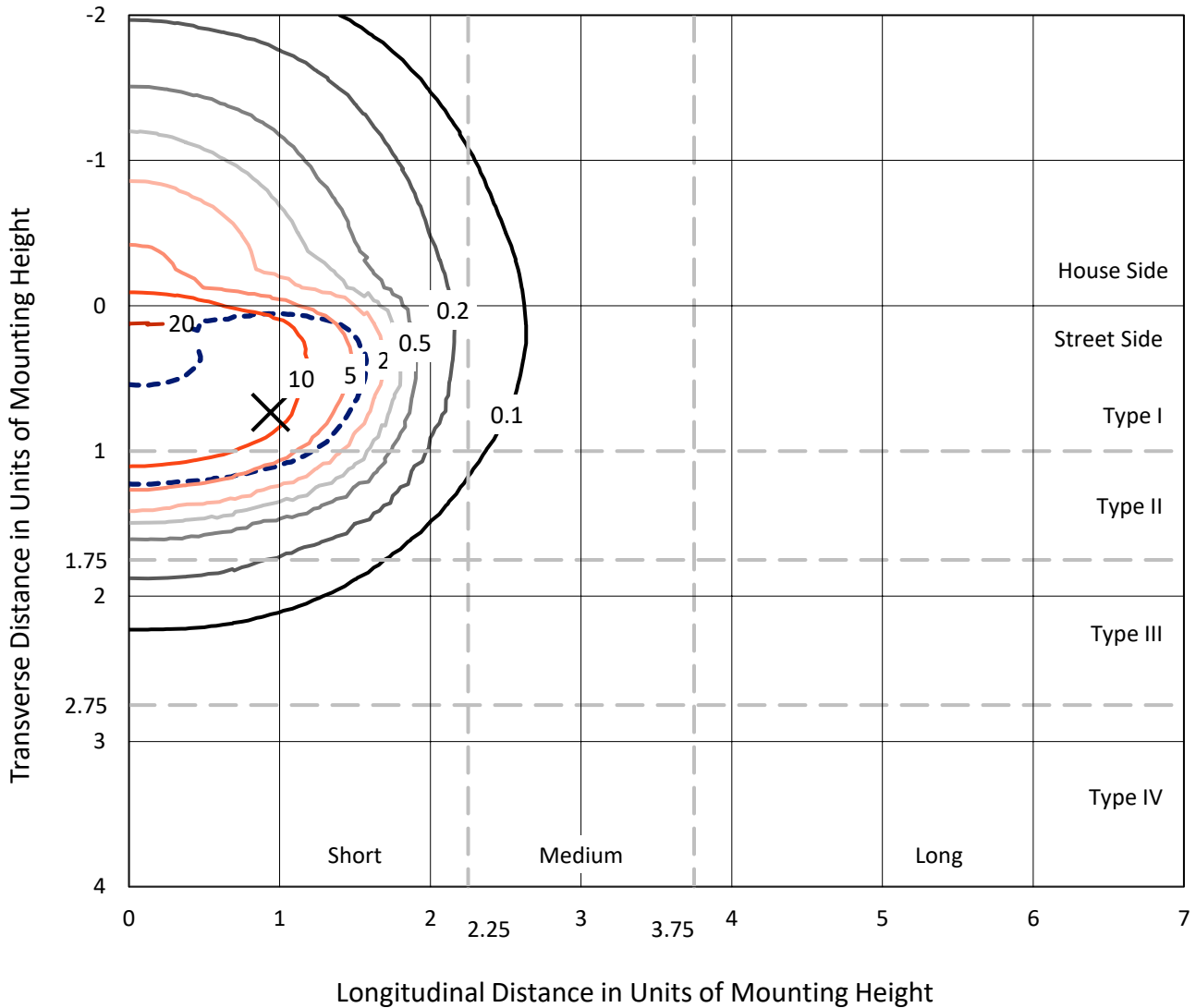
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

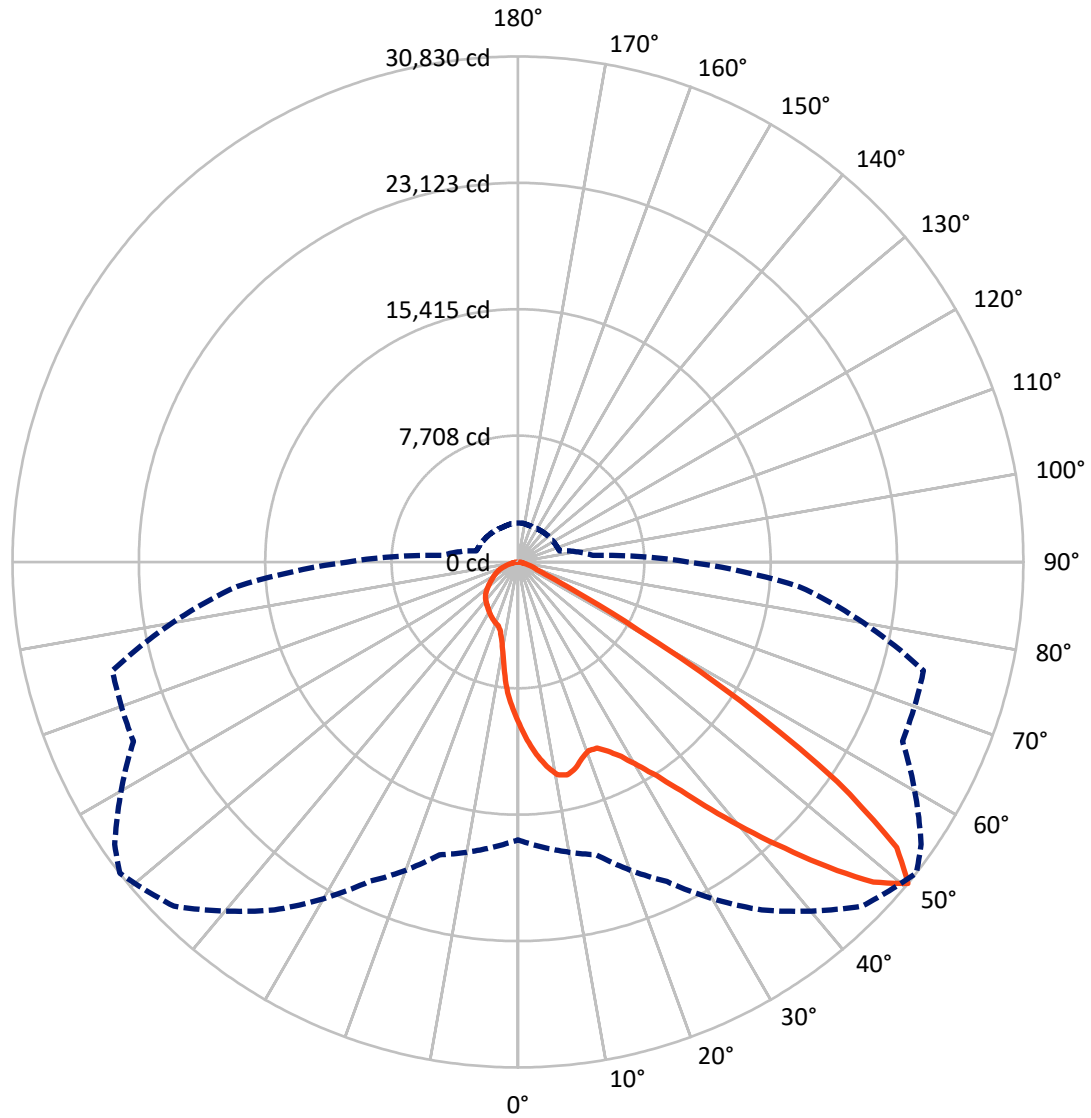
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.2 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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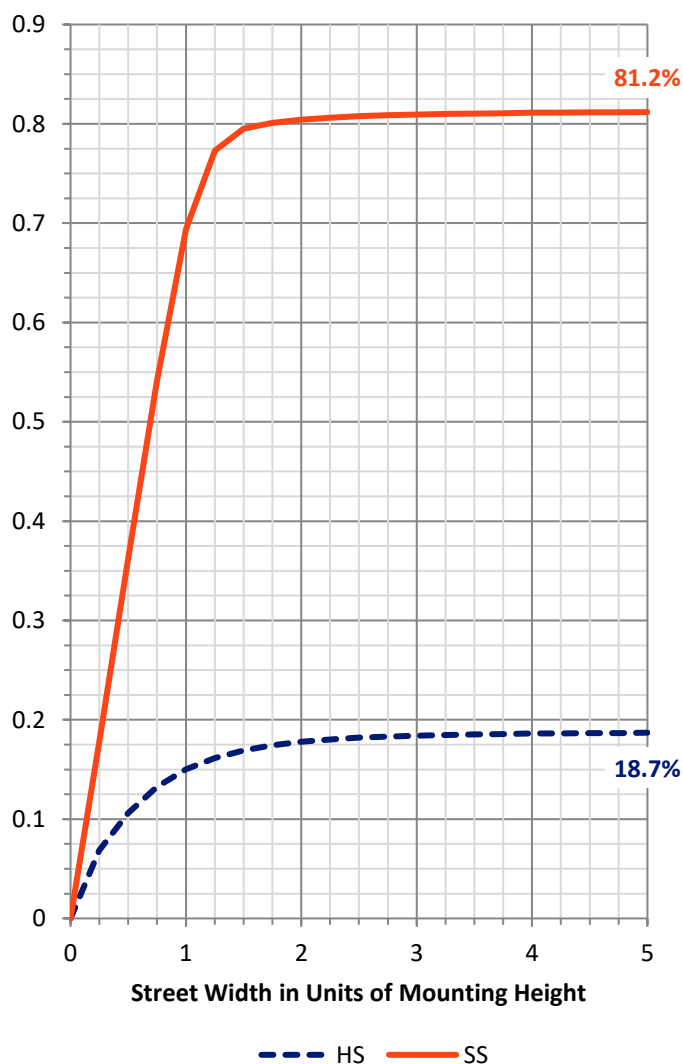
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6587.4	0.0	6587.4
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	28456.5	0.0	28456.5
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	35044.0	0.0	35044.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	910.5	2.6
10°-20°	2440.3	7.0
20°-30°	4110.6	11.7
30°-40°	6898.0	19.7
40°-50°	10552.2	30.1
50°-60°	7693.4	22.0
60°-70°	1712.2	4.9
70°-80°	617.6	1.8
80°-90°	109.3	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°	35044.0	100.0
0°-180°	35044.0	100.0

**Coefficient of Utilization**

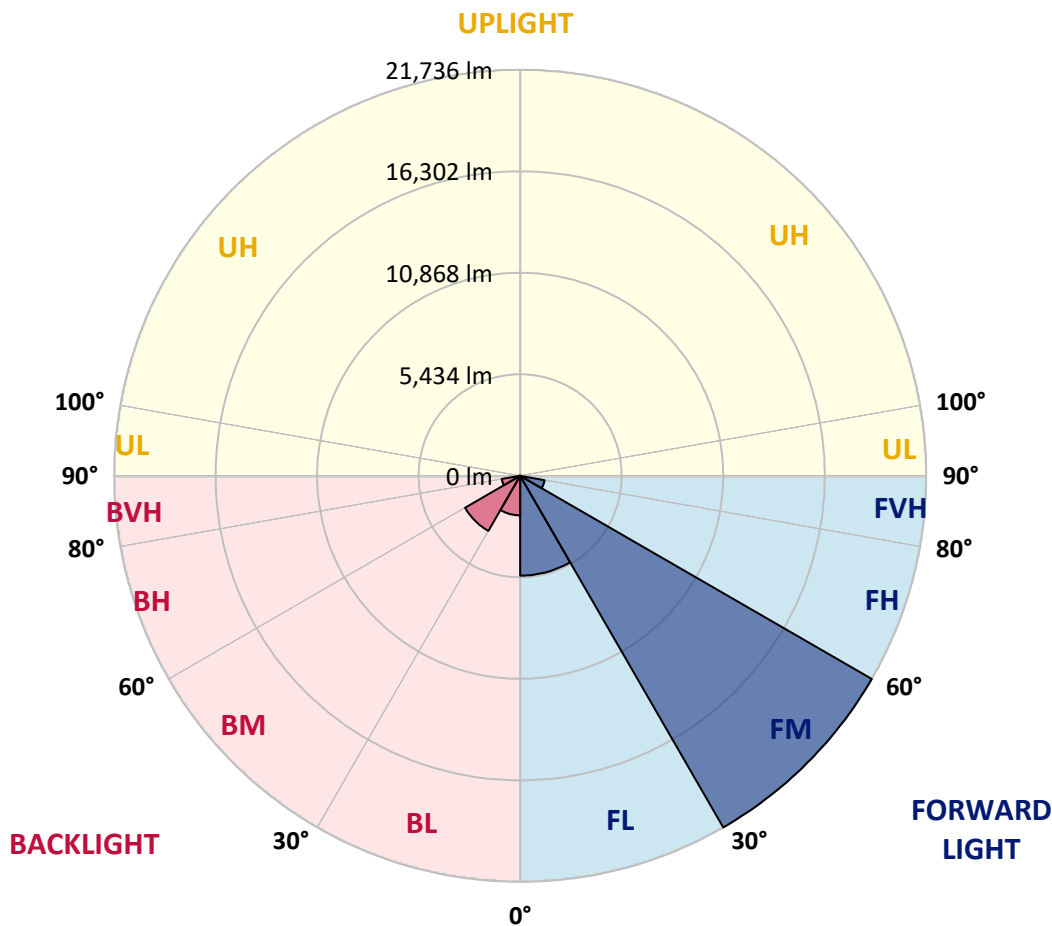


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5345.4	15.3			
FM (30°-60°)	21736.1	62.0			
FH (60°-80°)	1326.1	3.8			G1/1800
FVH (80°-90°)	49.0	0.1			G1/100
BL (0°-30°)	2116.0	6.0	B3/2500		
BM (30°-60°)	3407.5	9.7	B3/5000		
BH (60°-80°)	1003.6	2.9	B3/2500		G3/2500
BVH (80°-90°)	60.3	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°	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3
2.5°	11631.0	11407.2	11432.5	11272.0	11098.9	11048.2	10870.8	10701.9	10575.2	10304.9	10055.7
5°	12712.2	12644.6	12543.2	12416.5	12285.6	11964.6	11783.0	11571.9	11107.3	10689.2	10275.3
7.5°	12868.4	12855.8	12910.7	12910.7	12957.1	12834.6	12577.0	12429.2	11935.1	11255.1	10486.5
10°	11770.4	11808.4	12074.4	12420.8	12902.2	13235.9	13193.6	13155.6	12615.0	11685.9	10735.7
12.5°	10896.1	10811.7	10967.9	11263.6	11985.8	12792.4	13337.2	13341.4	13202.1	12374.3	10917.3
15°	10402.0	10461.1	10503.4	10642.7	11187.5	12120.9	13079.6	13362.6	13974.9	12860.0	11204.4
17.5°	10718.8	10520.3	10511.8	10545.6	10824.3	11525.4	12602.4	13088.0	14397.3	13485.0	11559.2
20°	11132.6	11128.4	11010.2	10967.9	10963.7	11588.8	12289.8	12948.7	14621.1	14295.9	11918.2
22.5°	11859.1	11859.1	11664.8	11571.9	11373.4	11884.4	12332.1	12779.7	14992.8	14853.4	12091.3
25°	13075.4	12876.9	12543.2	12315.2	12201.1	12382.7	12779.7	13181.0	15317.9	15444.6	12450.3
27.5°	14198.8	13886.2	13721.5	13328.8	13176.7	13071.1	13434.3	13839.8	15698.0	16365.3	12644.6
30°	15474.2	15419.3	15123.7	14616.9	14241.0	14046.7	14380.4	14781.6	16394.9	17307.1	13092.3
32.5°	17754.8	17256.4	16855.2	16234.4	15622.0	15208.1	15537.6	15803.6	17552.1	18291.2	13582.2
35°	20217.0	20056.5	19363.9	18244.7	17307.1	16935.5	17129.7	17328.2	18899.3	19794.7	14405.7
37.5°	22636.9	22417.3	21847.2	20905.4	19765.1	19009.1	19148.5	19380.8	20411.3	21821.8	15410.9
40°	24376.9	24106.7	23819.5	23680.1	22548.3	21513.5	21433.3	21492.4	22455.3	23722.3	16525.8
42.5°	24503.6	24837.3	24926.0	25487.7	25221.6	24372.7	23878.6	23891.3	24406.5	25601.7	17653.4
45°	24237.6	23929.3	24583.9	26117.0	26995.4	27392.4	26560.4	26454.8	25614.4	26691.3	18215.1
47.5°	21446.0	21530.4	22636.9	25061.1	27599.3	29373.1	29178.9	28828.3	26260.5	26653.3	18126.4
50°	16952.4	17463.4	18489.7	21509.3	25910.0	29685.6	30830.2	30019.3	25876.2	25605.9	17222.7
52.5°	11288.9	11500.1	12175.8	16073.9	20833.6	26535.1	28929.7	29115.5	25521.5	24233.4	16078.1
55°	5025.7	5008.8	5959.1	8395.9	13071.1	20191.6	23637.9	24769.7	24157.3	22835.4	14963.2
57.5°	2128.5	2200.3	2588.9	3627.8	6427.9	12184.3	16014.8	17007.3	18578.3	18751.5	11479.0
60°	1440.1	1448.6	1554.2	1816.0	2690.2	5722.6	8400.2	9591.1	10714.5	10638.5	6090.0
62.5°	1131.8	1161.4	1241.7	1347.2	1596.4	2597.3	3758.7	4421.8	4493.6	3779.9	2310.2
65°	967.1	971.4	1051.6	1140.3	1250.1	1511.9	1811.8	1845.6	1866.7	1799.1	1697.8
67.5°	798.2	806.7	870.0	971.4	1072.7	1157.2	1241.7	1283.9	1381.0	1571.1	1545.7
70°	633.5	646.2	701.1	785.5	878.4	929.1	1034.7	1072.7	1161.4	1309.2	1368.4
72.5°	481.5	485.7	532.1	591.3	675.7	726.4	815.1	857.3	916.5	1043.2	1098.1
75°	346.3	359.0	392.8	422.3	435.0	468.8	553.3	599.7	684.2	739.1	743.3
77.5°	181.6	190.0	198.5	198.5	240.7	304.1	359.0	384.3	443.4	485.7	464.6
80°	71.8	76.0	97.1	130.9	168.9	219.6	257.6	270.3	321.0	346.3	359.0
82.5°	42.2	46.5	63.3	92.9	122.5	156.3	185.8	198.5	232.3	261.8	270.3
85°	21.1	25.3	38.0	59.1	80.2	97.1	92.9	88.7	88.7	84.5	88.7
87.5°	8.4	8.4	12.7	12.7	12.7	16.9	21.1	21.1	21.1	25.3	25.3
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°	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3	9878.3
2.5°	9891.0	9722.1	9565.8	9278.6	8966.1	8877.4	8514.2	8383.3	8290.4	8180.6	8146.8
5°	9941.7	9717.8	9215.3	8636.7	8176.3	7585.1	7196.5	6778.4	6474.3	6398.3	6377.2
7.5°	10047.3	9662.9	8797.2	7922.9	6981.1	6178.7	5566.3	5236.9	4945.5	4928.6	4899.0
10°	10165.5	9498.2	8341.0	6968.5	5764.8	5021.5	4654.1	4510.5	4438.7	4421.8	4413.4
12.5°	10262.6	9464.4	7830.0	6039.3	4903.3	4455.6	4345.8	4333.1	4362.7	4371.1	4388.0
15°	10304.9	9329.3	7213.4	5207.3	4366.9	4202.2	4248.7	4299.3	4320.4	4375.3	4333.1
17.5°	10385.1	9156.1	6453.2	4548.5	4067.0	4096.6	4176.9	4236.0	4269.8	4307.8	4252.9
20°	10427.4	8999.9	5739.5	4155.7	3961.5	4016.4	4126.2	4172.6	4214.9	4231.8	4168.4
22.5°	10389.3	8678.9	5110.2	3839.0	3860.1	3931.9	4029.0	4079.7	4054.4	3986.8	3948.8
25°	10288.0	8227.0	4455.6	3636.3	3716.5	3843.2	3919.2	3881.2	3834.8	3796.8	3784.1
27.5°	10283.8	7673.8	3982.6	3450.4	3594.0	3767.2	3741.9	3708.1	3729.2	3699.6	3665.8
30°	10304.9	7137.4	3594.0	3344.9	3505.3	3589.8	3619.4	3585.6	3610.9	3556.0	3572.9
32.5°	10195.1	6613.7	3340.6	3222.4	3399.8	3395.5	3492.7	3518.0	3458.9	3344.9	3361.8
35°	10241.5	6191.4	3125.2	3167.5	3281.5	3281.5	3357.5	3328.0	3171.7	3104.1	3121.0
37.5°	10562.5	5777.5	3019.7	3091.5	3167.5	3201.3	3175.9	3049.2	3011.2	3011.2	3019.7
40°	10866.6	5422.7	2956.3	3074.6	3061.9	3083.0	2897.2	2909.9	2909.9	2914.1	2893.0
42.5°	11136.9	5182.0	2905.6	2973.2	2994.3	2884.5	2770.5	2757.8	2787.4	2783.2	2766.3
45°	11234.0	4983.5	2833.8	2859.2	2876.1	2694.5	2639.6	2614.2	2648.0	2660.7	2677.6
47.5°	10862.4	4818.8	2753.6	2702.9	2669.1	2550.9	2479.1	2432.6	2474.9	2546.7	2563.5
50°	10385.1	4603.4	2626.9	2529.8	2458.0	2407.3	2356.6	2310.2	2339.7	2390.4	2377.7
52.5°	9679.8	4265.5	2466.4	2365.1	2242.6	2255.2	2208.8	2183.5	2200.3	2200.3	2187.7
55°	8674.7	3505.3	2196.1	2124.3	2023.0	2056.8	2065.2	2031.4	1997.6	2027.2	2001.8
57.5°	5921.1	2474.9	1959.6	1959.6	1858.3	1904.7	1900.5	1820.2	1740.0	1748.5	1731.6
60°	3425.1	1972.3	1807.6	1790.7	1685.1	1723.1	1731.6	1676.7	1554.2	1562.6	1545.7
62.5°	1946.9	1685.1	1579.5	1554.2	1533.1	1566.8	1566.8	1495.1	1389.5	1397.9	1381.0
65°	1655.5	1562.6	1410.6	1406.4	1397.9	1406.4	1372.6	1296.6	1203.6	1165.6	1169.9
67.5°	1503.5	1444.4	1296.6	1258.5	1233.2	1229.0	1165.6	1093.8	1051.6	1017.8	1013.6
70°	1317.7	1271.2	1161.4	1110.7	1085.4	1026.3	962.9	916.5	857.3	840.4	857.3
72.5°	1043.2	1038.9	996.7	941.8	886.9	840.4	785.5	722.2	667.3	654.6	625.0
75°	722.2	730.6	739.1	730.6	684.2	625.0	561.7	511.0	443.4	405.4	397.0
77.5°	473.0	485.7	498.4	481.5	451.9	397.0	354.8	291.4	240.7	211.2	206.9
80°	346.3	363.2	371.7	359.0	325.2	283.0	236.5	185.8	147.8	122.5	122.5
82.5°	266.1	283.0	291.4	270.3	236.5	202.7	168.9	130.9	101.4	80.2	76.0
85°	92.9	88.7	105.6	109.8	130.9	122.5	101.4	76.0	59.1	42.2	38.0
87.5°	25.3	25.3	29.6	29.6	25.3	21.1	21.1	21.1	16.9	12.7	12.7
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)