

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: P650489

Luminaire Tested: **GLAN-SA6B-835-U-T3R-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P650489  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6B-835-U-T3R-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16067.9 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1

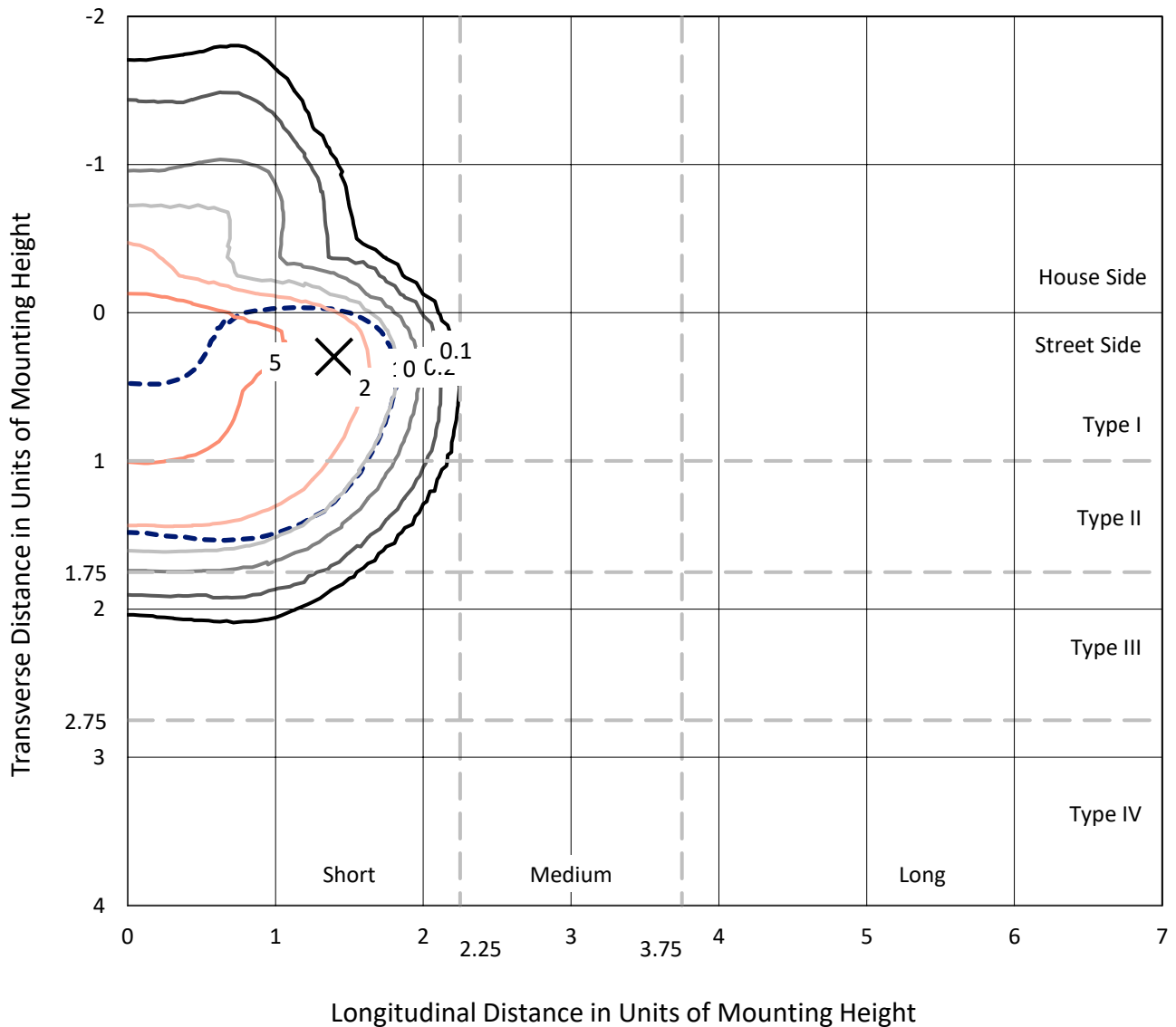
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

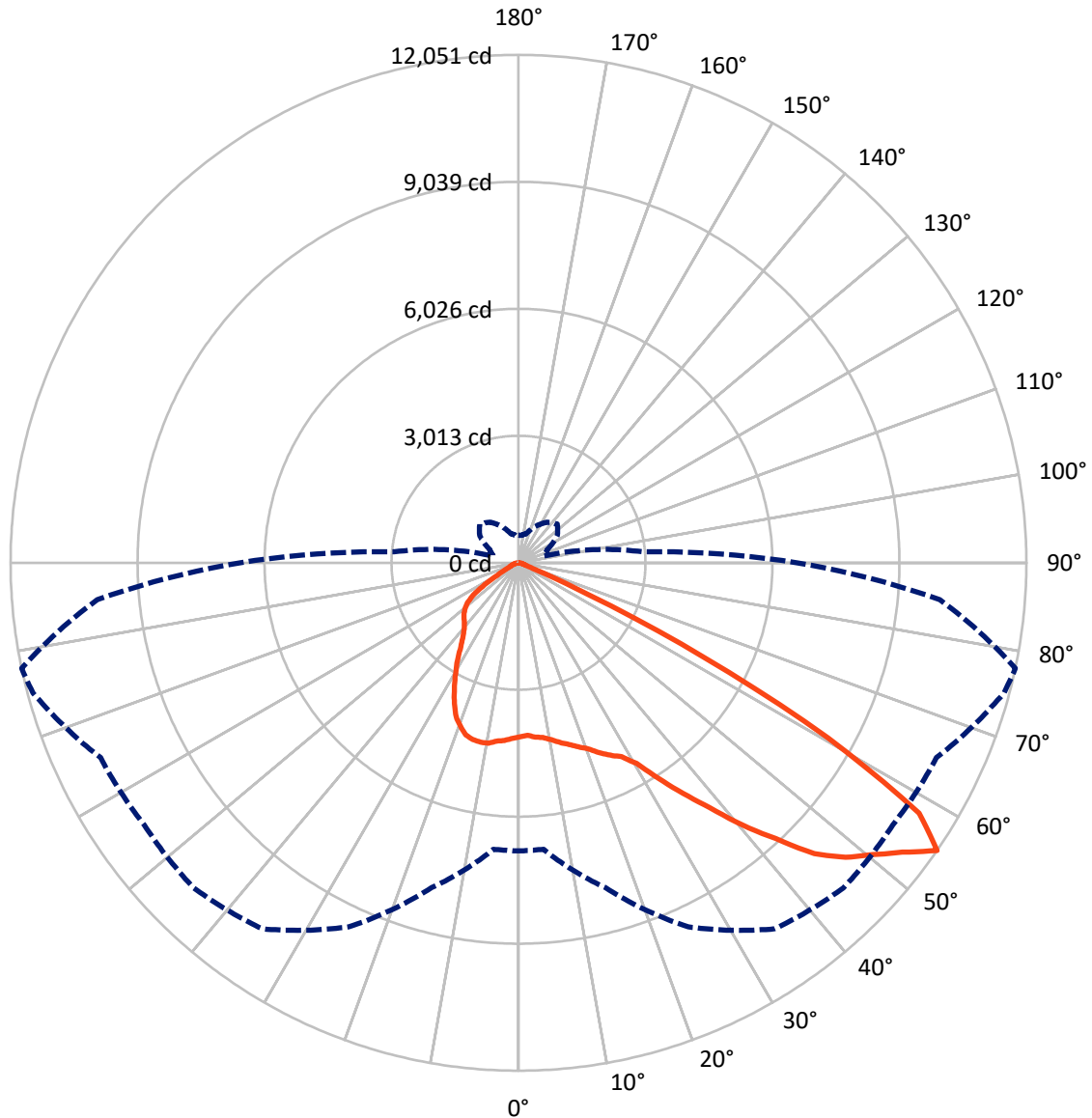
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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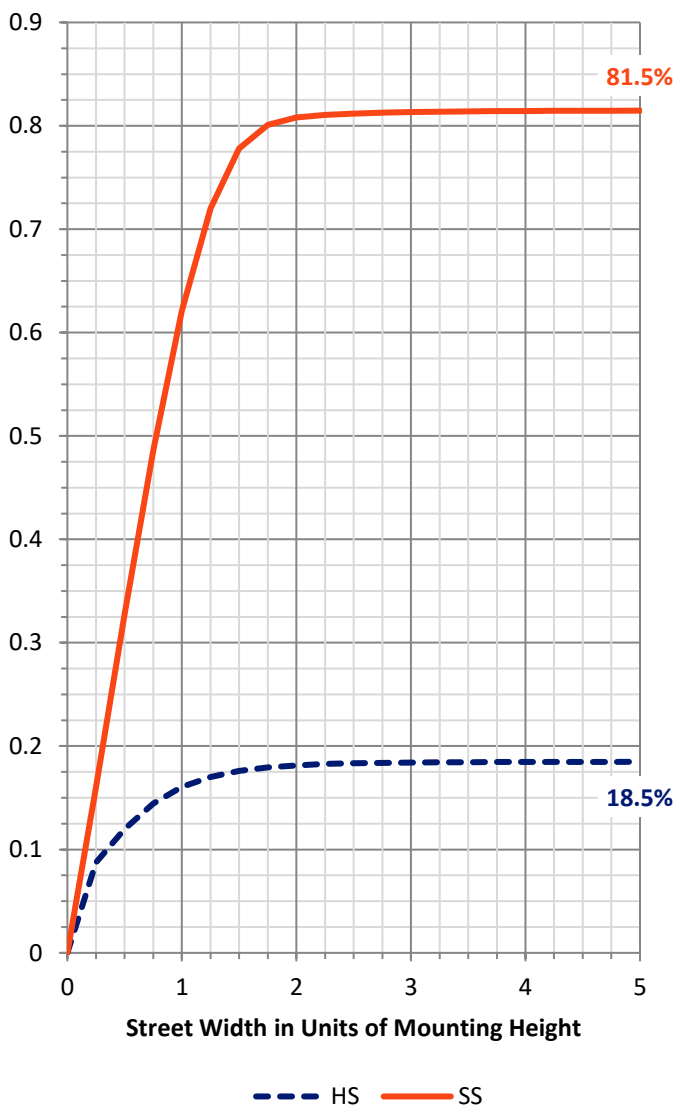
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2984.4	0.0	2984.4
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	13083.5	0.0	13083.5
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	16067.9	0.0	16067.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	368.4	2.3
10°-20°	974.9	6.1
20°-30°	1708.8	10.6
30°-40°	2817.6	17.5
40°-50°	4099.9	25.5
50°-60°	4645.6	28.9
60°-70°	1328.3	8.3
70°-80°	103.1	0.6
80°-90°	21.4	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°	16067.9	100.0
0°-180°	16067.9	100.0

**Coefficient of Utilization**



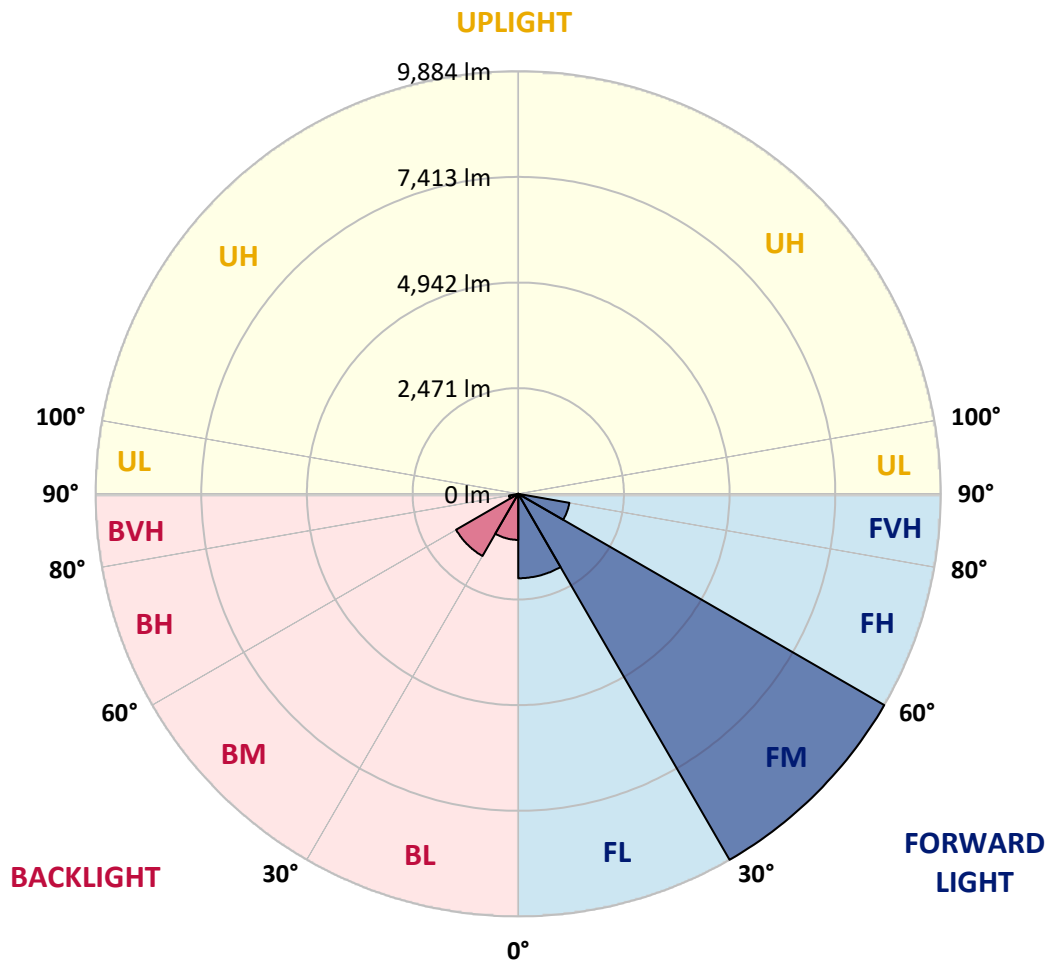
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1975.2	12.3			
FM (30°-60°)	9884.3	61.5			
FH (60°-80°)	1213.6	7.6			G1/1800
FVH (80°-90°)	10.4	0.1			G1/100
BL (0°-30°)	1076.8	6.7	B3/2500		
BM (30°-60°)	1678.8	10.4	B2/2500		
BH (60°-80°)	217.8	1.4	B1/500		G1/500
BVH (80°-90°)	11.0	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°	55°	65°	75°	78°	85°
0°	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1
2.5°	3884.0	3921.3	3927.1	3973.1	3970.2	4047.8	4070.7	4073.6	4125.3	4099.5	4165.6
5°	3774.8	3754.7	3746.1	3826.6	3849.5	3918.5	3975.9	4010.4	4116.7	4154.0	4223.0
7.5°	3677.2	3677.2	3682.9	3754.7	3746.1	3835.2	3895.5	4001.8	4156.9	4188.5	4271.8
10°	3582.4	3547.9	3591.0	3665.7	3728.9	3769.1	3895.5	3996.0	4177.1	4269.0	4383.9
12.5°	3533.5	3550.7	3556.5	3611.1	3680.0	3800.7	3869.7	4036.3	4320.7	4375.2	4498.8
15°	3840.9	3806.5	3723.2	3674.3	3731.8	3789.3	3961.6	4131.1	4395.4	4473.0	4610.9
17.5°	4197.1	4168.5	4099.5	3967.3	3838.0	3944.4	4079.4	4234.5	4475.8	4590.7	4794.7
20°	4662.5	4616.6	4547.7	4289.1	4177.1	4062.1	4205.8	4389.7	4608.0	4711.4	4921.1
22.5°	5217.0	5217.0	5061.9	4748.7	4516.0	4406.9	4467.2	4573.5	4754.5	4895.2	5102.1
25°	5794.4	5777.2	5636.4	5311.8	4918.3	4789.0	4857.9	4932.6	4981.4	5059.0	5196.8
27.5°	6455.1	6354.6	6176.5	5817.4	5469.8	5219.9	5294.6	5228.5	5168.2	5208.4	5406.6
30°	6903.3	6966.5	6739.6	6394.8	6067.3	5788.6	5803.0	5745.6	5469.8	5527.3	5645.0
32.5°	7368.7	7408.9	7282.5	7093.0	6765.4	6440.8	6323.0	6274.2	6067.3	6093.2	5978.3
35°	7756.6	7834.1	7722.1	7638.8	7544.0	7282.5	6957.9	7115.9	6782.7	6719.5	6420.7
37.5°	8112.7	8089.8	8222.0	8135.8	8115.6	7931.8	7575.5	7607.2	7383.1	7368.7	7024.0
40°	8431.7	8437.4	8618.4	8658.6	8578.2	8250.6	7733.5	7983.5	8164.5	8181.7	7739.3
42.5°	8695.9	8773.5	8928.6	9253.3	9132.6	8586.8	7897.3	8170.2	8842.5	8948.8	8417.2
45°	8925.8	9083.7	9276.3	9566.4	9497.5	9063.7	8305.3	8555.2	9566.4	9845.1	9055.1
47.5°	8940.1	9147.0	9356.7	9787.6	9873.8	9319.3	8727.6	9164.2	10140.9	10442.6	9520.4
50°	8882.7	8991.8	9411.3	9879.5	10074.9	9735.9	9319.3	9675.5	10698.3	10887.8	9756.0
52.5°	8201.8	8285.2	9126.9	9965.7	10436.8	10207.0	10103.6	10388.1	11267.1	11407.8	9977.2
55°	6837.2	6822.9	7980.6	9531.9	10603.5	10905.2	10841.9	10942.5	11924.9	12051.4	10031.8
57.5°	4676.9	4938.3	5938.0	7937.5	9583.6	10741.4	10807.4	10640.8	11157.9	11206.8	8744.8
60°	2522.3	2631.5	3435.9	5297.5	7296.9	8753.4	8925.8	8624.1	8583.9	8446.0	6242.5
62.5°	1002.6	1057.2	1513.9	2622.9	3975.9	5320.4	5691.0	5567.4	5303.2	4941.2	3231.9
65°	476.8	511.4	752.7	1226.6	1763.9	2217.8	2588.4	2703.3	1993.8	1795.5	1065.8
67.5°	324.6	350.5	548.7	700.9	629.1	657.9	856.1	795.8	468.2	399.3	295.9
70°	247.0	264.3	439.6	476.8	281.6	198.3	221.2	206.9	192.5	195.4	192.5
72.5°	175.2	189.6	321.7	281.6	123.6	91.9	117.8	140.8	140.8	140.8	137.9
75°	106.3	120.7	186.7	109.2	48.9	48.9	74.7	94.8	100.5	103.4	97.6
77.5°	54.6	69.0	63.2	31.6	31.6	37.3	54.6	66.1	71.8	71.8	69.0
80°	11.5	11.5	11.5	17.2	31.6	40.2	54.6	60.3	69.0	69.0	63.2
82.5°	0.0	2.9	8.6	17.2	28.7	37.3	51.7	60.3	69.0	71.8	66.1
85°	0.0	2.9	5.7	11.5	20.1	23.0	20.1	17.2	17.2	17.2	17.2
87.5°	0.0	0.0	2.9	2.9	2.9	5.7	5.7	5.7	5.7	5.7	5.7
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°	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1	4131.1
2.5°	4171.3	4179.9	4165.6	4162.7	4151.2	4185.7	4102.4	4082.2	4133.9	4085.1	4096.6
5°	4225.9	4246.0	4220.1	4177.1	4113.8	4016.2	3932.9	3823.7	3771.9	3734.6	3728.9
7.5°	4266.1	4280.4	4254.6	4116.7	3927.1	3680.0	3496.2	3361.2	3254.9	3223.3	3171.5
10°	4429.8	4432.7	4303.4	3998.9	3628.3	3303.7	3022.1	2815.4	2709.0	2642.9	2614.3
12.5°	4539.1	4533.3	4271.8	3766.2	3272.1	2841.2	2519.5	2269.5	2171.8	2140.3	2120.1
15°	4676.9	4645.3	4197.1	3527.8	2812.5	2347.0	2056.9	1884.5	1875.9	1855.8	1875.9
17.5°	4786.1	4697.0	4088.0	3094.0	2373.0	1933.4	1743.8	1755.3	1778.3	1798.4	1801.2
20°	4964.2	4780.3	3838.0	2714.8	1965.0	1657.6	1654.7	1706.5	1763.9	1786.9	1809.8
22.5°	5099.2	4814.8	3570.9	2309.7	1631.8	1545.6	1594.4	1671.9	1715.1	1738.0	1772.5
25°	5148.1	4720.0	3214.7	1904.6	1470.9	1493.9	1568.6	1620.3	1674.8	1700.7	1686.3
27.5°	5196.8	4671.1	2789.5	1568.6	1384.7	1459.4	1522.5	1574.3	1591.5	1626.0	1649.0
30°	5314.7	4501.7	2407.4	1355.9	1341.6	1436.4	1482.4	1499.6	1545.6	1565.7	1565.7
32.5°	5409.4	4435.6	2002.4	1255.4	1335.9	1447.9	1453.6	1453.6	1459.4	1445.0	1439.2
35°	5604.8	4208.6	1640.4	1195.1	1333.0	1450.7	1465.1	1416.3	1284.1	1232.4	1218.0
37.5°	5846.1	4062.1	1373.2	1180.7	1353.1	1485.3	1508.2	1324.4	1152.0	1068.7	1054.3
40°	6139.2	3958.7	1198.0	1175.0	1399.1	1565.7	1496.7	1252.6	1028.5	907.8	902.1
42.5°	6481.0	3863.9	1080.1	1172.1	1456.5	1649.0	1485.3	1192.2	902.1	821.6	833.1
45°	6753.9	3812.2	999.7	1152.0	1476.6	1697.9	1493.9	1085.9	850.3	798.7	804.4
47.5°	6966.5	3703.0	933.6	1117.5	1473.8	1715.1	1416.3	1042.8	824.5	838.8	853.2
50°	6972.3	3556.5	850.3	1042.8	1430.6	1683.4	1327.3	1002.6	818.8	879.1	907.8
52.5°	6894.7	3349.7	761.3	936.5	1330.1	1574.3	1246.8	985.4	792.9	787.1	821.6
55°	6618.9	2961.9	611.9	758.4	1123.3	1298.5	1175.0	953.8	715.3	649.3	655.0
57.5°	5349.1	2123.0	451.0	542.9	795.8	950.9	1060.0	939.4	643.5	551.5	554.4
60°	3312.3	1203.7	330.3	370.6	491.3	577.5	859.0	873.4	574.6	465.4	459.6
62.5°	1700.7	594.7	255.6	261.4	301.6	339.0	588.9	732.6	520.0	442.4	442.4
65°	568.8	293.0	224.1	201.1	201.1	209.7	356.3	508.5	439.6	370.6	370.6
67.5°	244.2	218.3	195.4	175.2	160.9	152.3	201.1	295.9	327.5	281.6	270.1
70°	189.6	183.8	169.5	146.5	126.4	114.9	117.8	152.3	186.7	181.0	175.2
72.5°	140.8	140.8	135.0	114.9	97.6	83.3	77.6	80.4	89.0	91.9	94.8
75°	97.6	100.5	100.5	89.0	71.8	60.3	51.7	43.1	34.5	28.7	25.8
77.5°	66.1	69.0	74.7	66.1	54.6	40.2	31.6	23.0	14.3	5.7	5.7
80°	57.5	66.1	71.8	66.1	57.5	43.1	31.6	17.2	8.6	0.0	0.0
82.5°	60.3	66.1	74.7	63.2	54.6	40.2	31.6	20.1	8.6	2.9	0.0
85°	14.3	14.3	17.2	20.1	25.8	28.7	23.0	14.3	8.6	2.9	0.0
87.5°	5.7	5.7	5.7	5.7	5.7	2.9	2.9	2.9	2.9	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)