

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: P652965

Luminaire Tested: **GLAN-SA6C-840-U-T3R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-840-U-T3R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30606.5 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

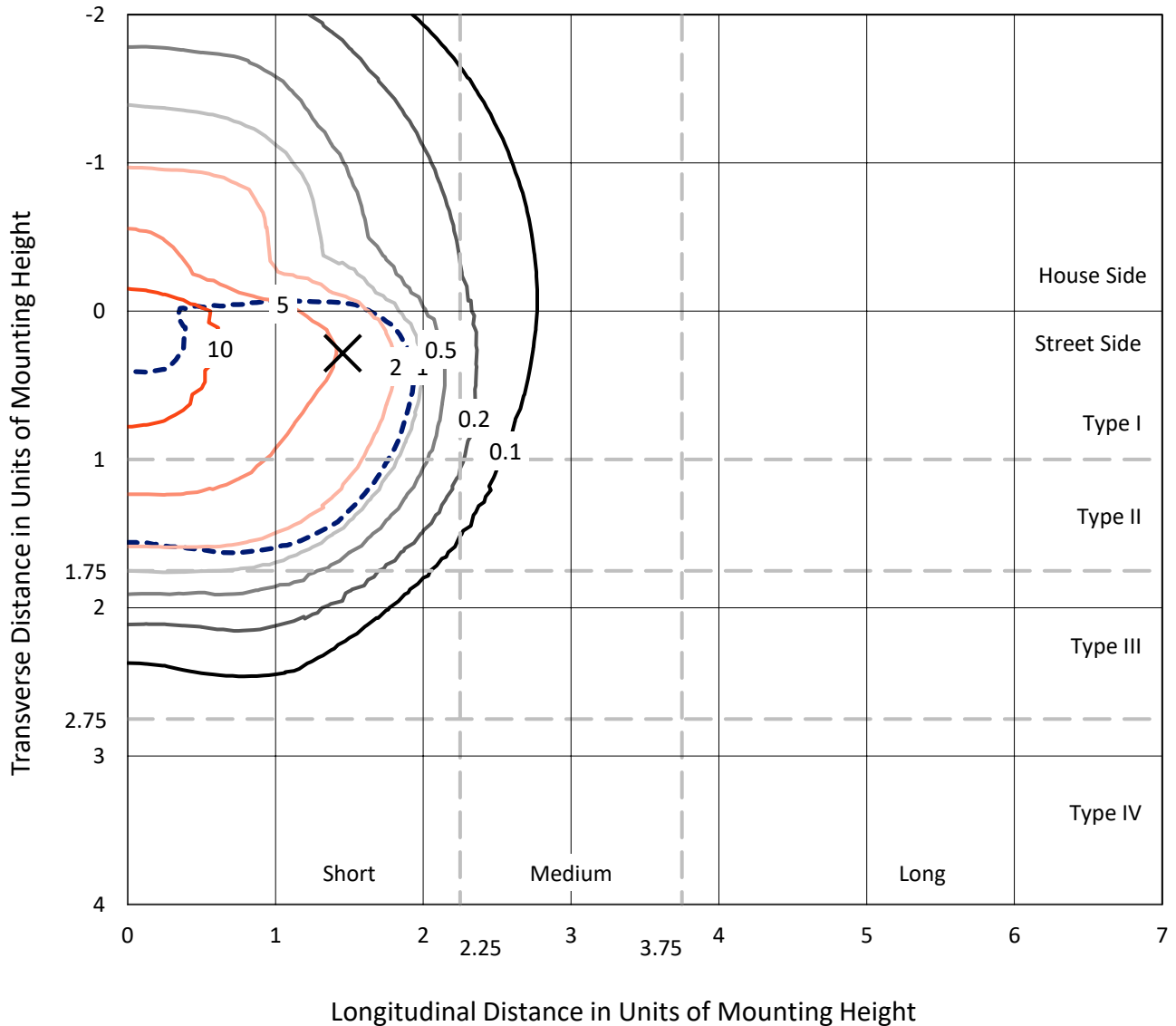
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

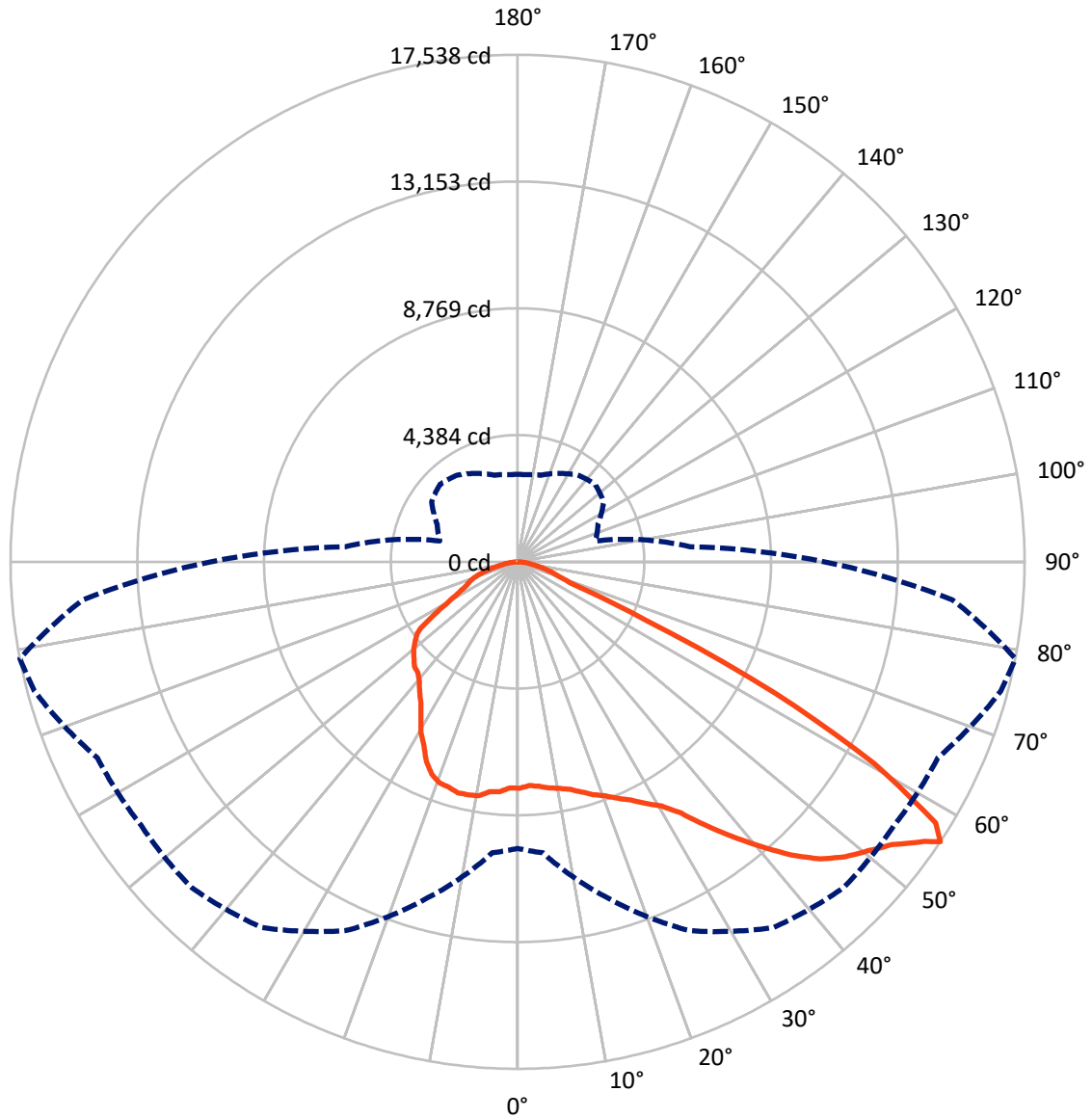
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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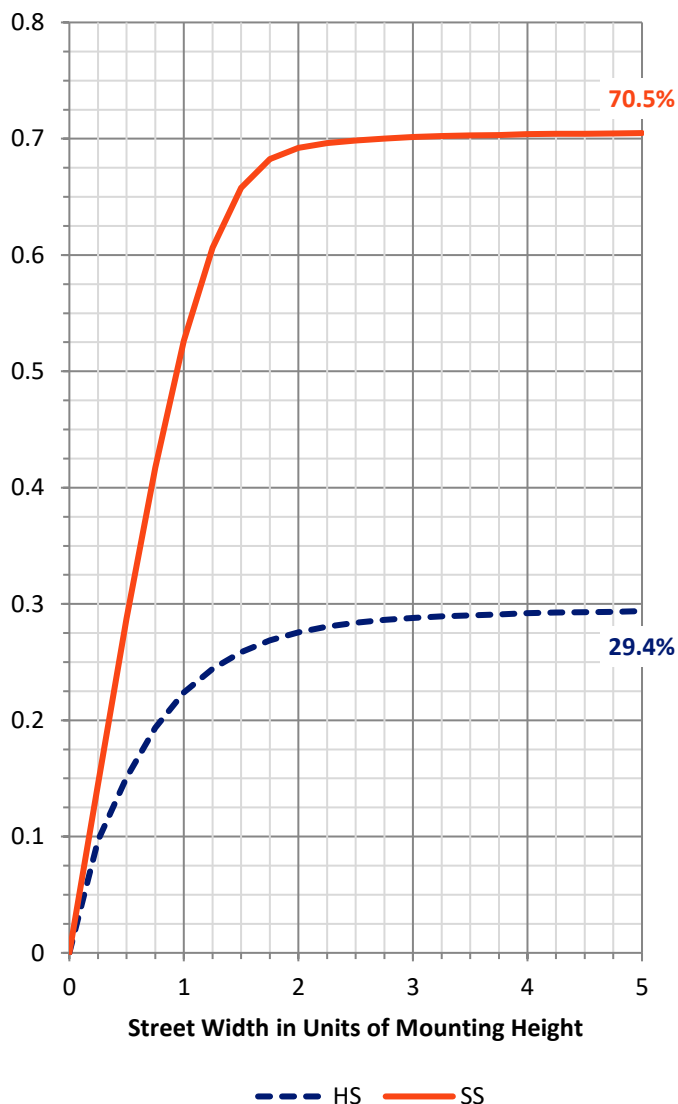
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9038.8	0.0	9038.8
	% Fixture	29.5	0.0	29.5
Street Side	Lumens	21567.7	0.0	21567.7
	% Fixture	70.5	0.0	70.5
Total	Lumens	30606.5	0.0	30606.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.0	2.3
10°-20°	1948.5	6.4
20°-30°	3333.5	10.9
30°-40°	5109.0	16.7
40°-50°	6904.8	22.6
50°-60°	7930.4	25.9
60°-70°	3614.9	11.8
70°-80°	891.3	2.9
80°-90°	162.0	0.5
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°	30606.5	100.0
0°-180°	30606.5	100.0

Coefficient of Utilization



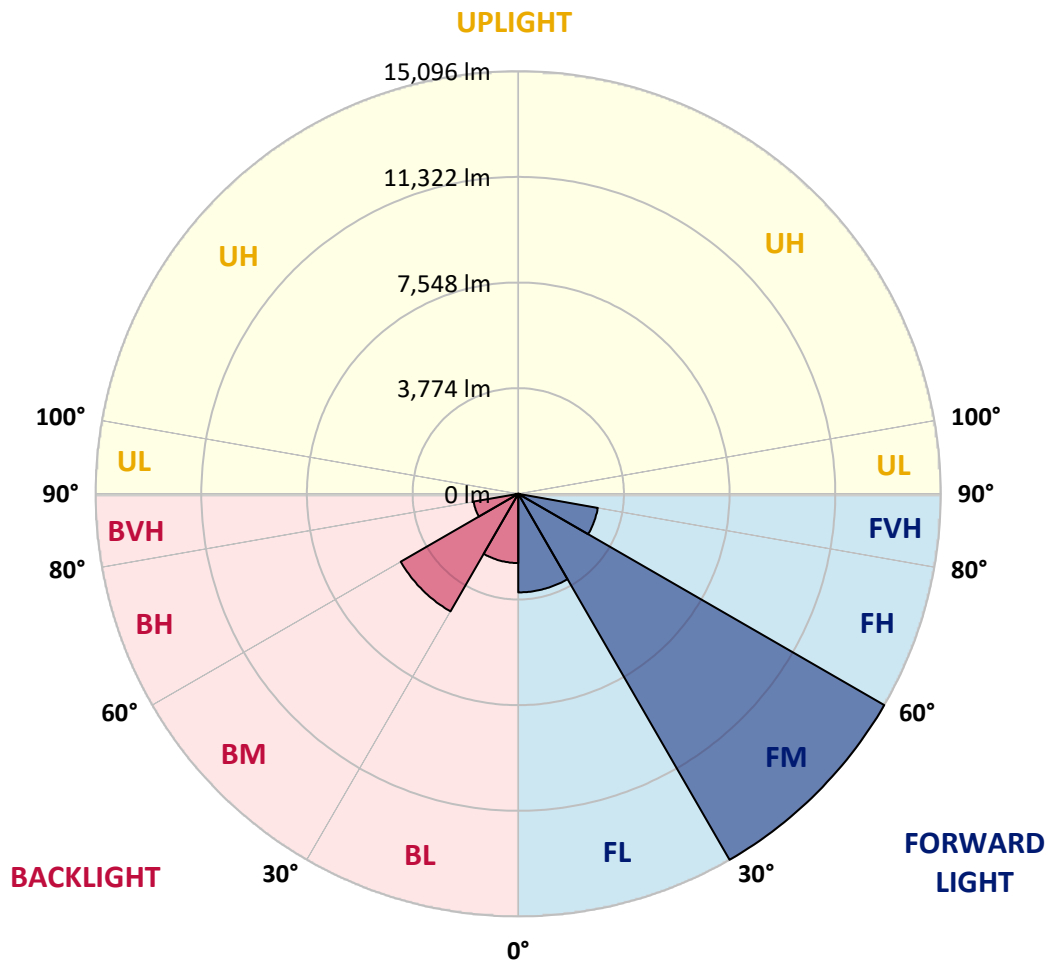
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3521.5	11.5			
FM (30°-60°)	15096.0	49.3			
FH (60°-80°)	2885.5	9.4			G2/5000
FVH (80°-90°)	64.7	0.2			G1/100
BL (0°-30°)	2472.5	8.1	B3/2500		
BM (30°-60°)	4848.3	15.8	B3/5000		
BH (60°-80°)	1620.7	5.3	B3/2500		G3/2500
BVH (80°-90°)	97.3	0.3			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°	55°	65°	75°	79°	85°
0°	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0
2.5°	7449.7	7430.7	7476.4	7510.7	7552.7	7606.1	7632.7	7648.0	7781.4	7747.1	7850.1
5°	7289.6	7240.1	7274.4	7301.1	7373.5	7438.3	7510.7	7625.1	7747.1	7800.5	7926.3
7.5°	7148.6	7121.8	7114.3	7133.3	7232.4	7316.3	7442.1	7609.9	7808.1	7895.8	7968.2
10°	6916.0	6877.9	6935.1	7060.9	7087.5	7263.0	7407.8	7648.0	7819.5	7972.1	8185.5
12.5°	6813.0	6774.9	6786.4	6858.8	7045.6	7213.3	7384.9	7655.6	8017.8	8078.8	8364.8
15°	6977.0	6938.8	6950.3	6931.3	7110.4	7198.1	7468.8	7808.1	8155.1	8258.0	8563.0
17.5°	7350.6	7354.5	7304.8	7263.0	7221.0	7407.8	7594.7	7899.6	8208.4	8467.7	8696.4
20°	8063.6	7937.8	7838.6	7602.2	7537.5	7617.5	7853.8	8147.4	8425.7	8639.3	8898.5
22.5°	8612.6	8624.0	8482.9	8094.0	7953.0	7987.3	8189.4	8429.6	8734.5	8887.1	9184.5
25°	9409.4	9329.3	9176.8	8868.0	8551.5	8578.3	8727.0	8944.3	9028.1	9134.9	9459.0
27.5°	10137.6	10160.5	9859.3	9569.5	9176.8	9100.5	9367.5	9405.6	9264.5	9466.5	9577.1
30°	10877.2	10858.2	10659.9	10320.6	9935.5	9950.8	10069.0	9882.2	9687.7	9798.2	9874.5
32.5°	11643.6	11426.2	11418.6	11113.6	10820.1	10678.9	10534.1	10625.6	10324.4	10347.2	10274.8
35°	12257.4	12287.9	12112.5	11895.2	11750.3	11502.5	11106.0	11269.9	11212.7	11186.1	10873.5
37.5°	12703.5	12585.2	12672.9	12600.5	12463.3	12154.5	11742.7	11899.0	11925.7	12055.3	11693.1
40°	13069.5	13019.9	13252.5	13290.6	13195.3	12528.0	11788.5	12253.5	12653.9	12936.0	12505.2
42.5°	13244.8	13351.5	13595.6	13889.1	13675.7	12962.7	12024.8	12524.3	13416.4	13862.5	13275.4
45°	13481.2	13344.0	13706.1	14243.7	14247.5	13328.7	12253.5	12890.3	14011.1	14659.3	13801.5
47.5°	13241.0	13309.7	13683.2	14365.7	14541.1	13713.8	12871.2	13408.7	14666.9	15242.6	14289.4
50°	12703.5	12840.7	13523.1	14232.2	14762.2	14121.7	13580.3	13969.2	15273.1	15711.6	14369.5
52.5°	12143.0	12219.2	13286.8	14335.2	14861.3	14647.9	14529.6	14743.2	16012.7	16241.5	14468.6
55°	10618.0	10980.2	12505.2	14289.4	15345.6	15597.2	15505.7	15818.3	16851.5	17080.3	15010.1
56°	9912.6	10103.3	12036.2	14076.0	15440.8	15944.1	15898.3	16039.5	17297.6	17537.8	15093.9
57.5°	8608.7	8624.0	10263.4	13130.4	15082.5	16047.0	16001.3	16111.9	17209.9	17046.0	14358.1
60°	5387.1	5623.5	6984.6	10099.5	12825.4	14888.1	15147.3	14259.0	14510.6	14163.6	11170.8
62.5°	2790.8	2756.5	3660.0	5905.7	8513.4	10659.9	10900.1	10858.2	10469.3	9962.2	7297.3
65°	1391.6	1399.2	1913.9	2924.2	4361.6	5581.5	6252.6	6325.0	5291.8	4868.6	3461.8
67.5°	1010.3	1048.5	1376.3	1788.1	2055.0	2299.0	2817.5	2764.1	2093.1	1990.1	1845.2
70°	785.4	819.7	1117.1	1364.9	1239.0	1239.0	1349.6	1395.4	1490.7	1532.6	1582.2
72.5°	571.9	598.5	854.0	941.7	812.1	873.0	1010.3	1117.1	1216.2	1231.5	1288.7
75°	392.7	415.5	560.4	518.5	488.0	602.4	739.7	838.7	911.2	949.3	983.6
77.5°	255.4	263.1	320.3	270.7	312.6	388.9	480.4	564.2	636.7	667.2	674.8
80°	114.4	125.8	137.3	171.6	217.3	278.3	343.1	411.8	457.5	468.9	491.8
82.5°	64.8	64.8	83.8	122.0	160.1	202.1	247.8	297.4	350.8	362.2	358.4
85°	34.3	34.3	49.5	72.4	99.2	118.2	114.4	118.2	125.8	144.9	141.0
87.5°	11.4	11.4	15.2	15.2	19.1	22.9	19.1	26.7	34.3	34.3	34.3
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°	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0	7831.0
2.5°	7819.5	7853.8	7808.1	7907.3	7907.3	7888.2	7792.9	7823.4	7846.3	7846.3	7865.3
5°	7968.2	7956.8	7987.3	7869.2	7796.7	7770.0	7613.7	7537.5	7472.6	7468.8	7411.6
7.5°	8052.2	8021.6	8010.2	7922.5	7602.2	7407.8	7072.3	6877.9	6835.9	6687.2	6744.4
10°	8185.5	8242.7	8185.5	7709.0	7263.0	6816.9	6489.0	6187.7	6069.6	5974.3	5917.1
12.5°	8460.0	8433.4	8101.7	7457.4	6832.1	6302.1	5814.2	5497.7	5379.5	5295.6	5288.0
15°	8692.7	8559.2	8052.2	7060.9	6161.1	5596.9	5196.5	4971.6	4918.2	4925.8	4960.1
17.5°	8772.7	8681.2	7792.9	6649.1	5661.6	4998.2	4811.4	4777.1	4826.7	4883.9	4899.2
20°	8898.5	8753.6	7686.2	6088.7	5044.0	4624.7	4613.2	4735.2	4826.7	4910.6	4922.0
22.5°	9161.6	8795.6	7339.2	5558.7	4620.8	4514.1	4624.7	4727.6	4868.6	4937.3	4876.3
25°	9237.8	8704.1	6851.2	4922.0	4353.9	4445.4	4563.6	4704.7	4803.8	4842.0	4868.6
27.5°	9302.6	8563.0	6191.6	4498.8	4270.1	4441.7	4563.6	4681.8	4735.2	4769.5	4800.0
30°	9485.6	8521.1	5619.7	4216.7	4216.7	4365.4	4521.7	4552.2	4624.7	4666.5	4719.9
32.5°	9577.1	8231.3	5032.5	4037.5	4163.3	4403.5	4414.9	4472.1	4476.0	4510.3	4453.1
35°	9817.3	8025.4	4487.4	3907.9	4186.2	4365.4	4422.6	4388.3	4201.5	4110.0	4129.0
37.5°	9992.7	7922.5	4094.7	3892.7	4190.0	4407.3	4437.8	4178.6	3984.2	3831.6	3869.8
40°	10465.5	7667.1	3797.3	3865.9	4224.3	4453.1	4369.2	4087.1	3736.3	3580.0	3553.3
42.5°	10827.7	7484.1	3610.5	3835.5	4251.0	4517.9	4334.9	3904.1	3545.7	3400.8	3438.9
45°	11247.0	7442.1	3511.3	3843.0	4296.8	4552.2	4293.0	3763.0	3381.7	3324.6	3313.1
47.5°	11395.7	7140.9	3404.6	3778.3	4285.3	4540.7	4151.8	3656.2	3320.8	3328.3	3358.9
50°	11148.0	6832.1	3324.6	3644.8	4209.0	4437.8	3930.7	3515.2	3286.5	3381.7	3435.1
52.5°	10831.5	6515.6	3160.6	3465.6	4052.8	4277.7	3827.8	3507.6	3252.1	3221.6	3233.1
55°	10926.8	6256.4	2931.9	3221.6	3801.2	3980.3	3713.4	3435.1	3168.2	3053.8	3092.0
56°	10618.0	5989.5	2783.2	3069.1	3629.6	3789.7	3656.2	3370.3	3099.6	3023.4	3023.4
57.5°	9744.9	5093.6	2588.8	2825.1	3267.4	3458.0	3545.7	3332.2	3023.4	2889.9	2893.7
60°	7186.7	3621.9	2321.8	2489.6	2706.9	2859.4	3267.4	3225.4	2832.7	2741.2	2706.9
62.5°	4430.2	2646.0	2131.2	2196.0	2306.6	2432.4	2851.8	2920.5	2630.6	2531.6	2508.7
65°	2482.0	2024.5	1986.4	2013.0	2066.4	2131.2	2367.6	2520.1	2321.8	2169.4	2161.7
67.5°	1814.8	1810.9	1841.5	1864.3	1887.2	1887.2	1944.4	2005.4	1978.7	1856.7	1845.2
70°	1612.7	1624.1	1647.0	1650.8	1658.5	1631.8	1586.0	1567.0	1597.5	1521.2	1506.0
72.5°	1330.5	1368.7	1395.4	1399.2	1357.3	1323.0	1261.9	1197.2	1174.3	1159.0	1155.2
75°	1021.7	1048.5	1059.9	1056.0	1040.8	991.3	918.8	854.0	812.1	766.3	789.2
77.5°	690.0	728.2	747.2	747.2	724.4	648.2	613.8	564.2	522.3	472.7	480.4
80°	484.2	510.9	541.4	537.6	499.5	461.3	411.8	366.0	331.7	293.6	289.7
82.5°	362.2	377.4	392.7	385.1	358.4	320.3	285.9	244.0	205.9	179.2	179.2
85°	129.6	141.0	171.6	179.2	194.4	194.4	163.9	137.3	110.6	91.5	91.5
87.5°	38.1	38.1	42.0	42.0	38.1	42.0	34.3	38.1	42.0	26.7	26.7
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)