

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: McGRAW-EDISON

Report Number: P534043

Luminaire Tested: **GALN-SA9C-730-U-T3R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534043
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: McGRAW-EDISON
Catalog Number: GALN-SA9C-730-U-T3R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1050mA 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: 35301 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

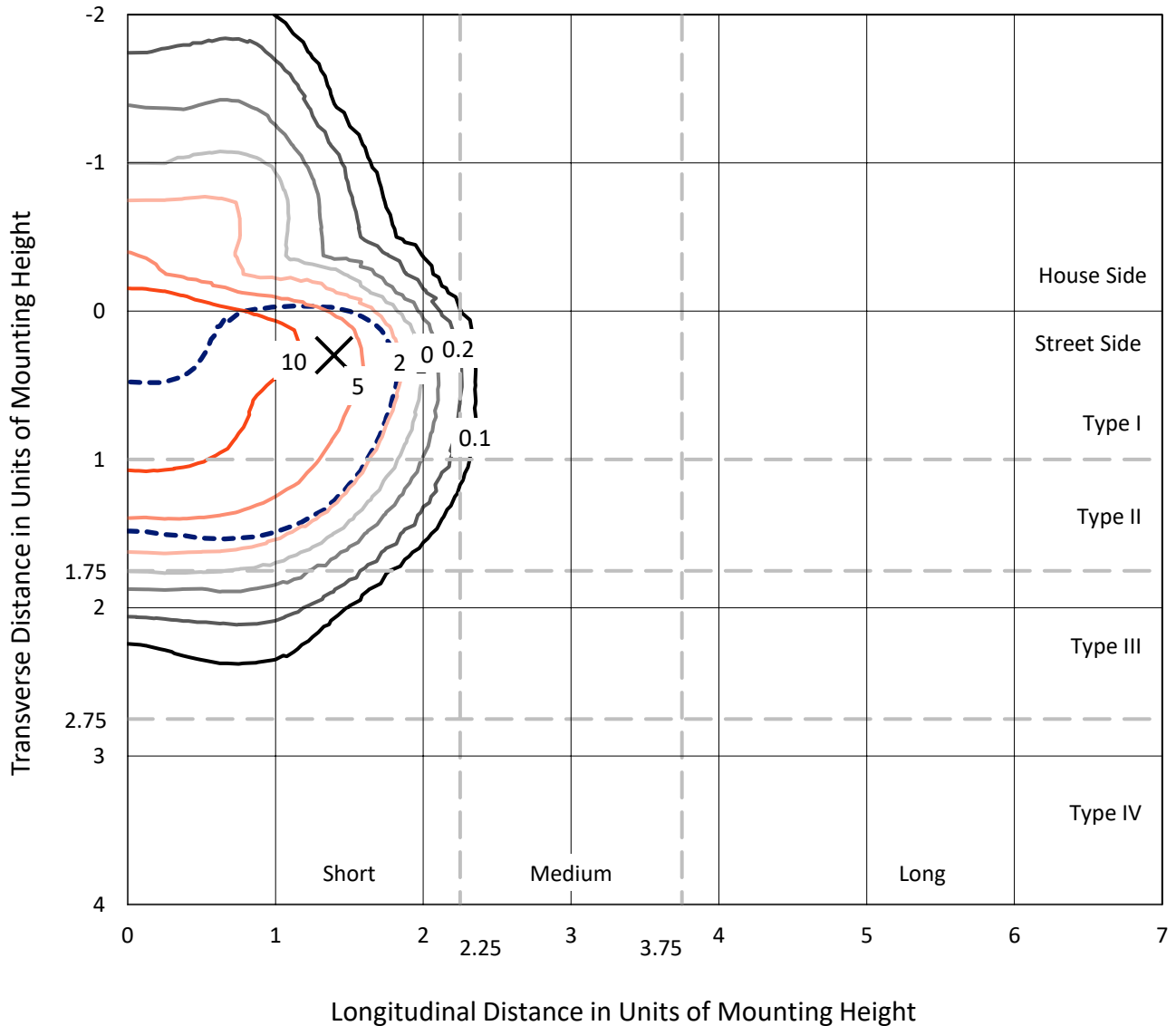
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534043
 CATALOG NUMBER: GALN-SA9C-730-U-T3R-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

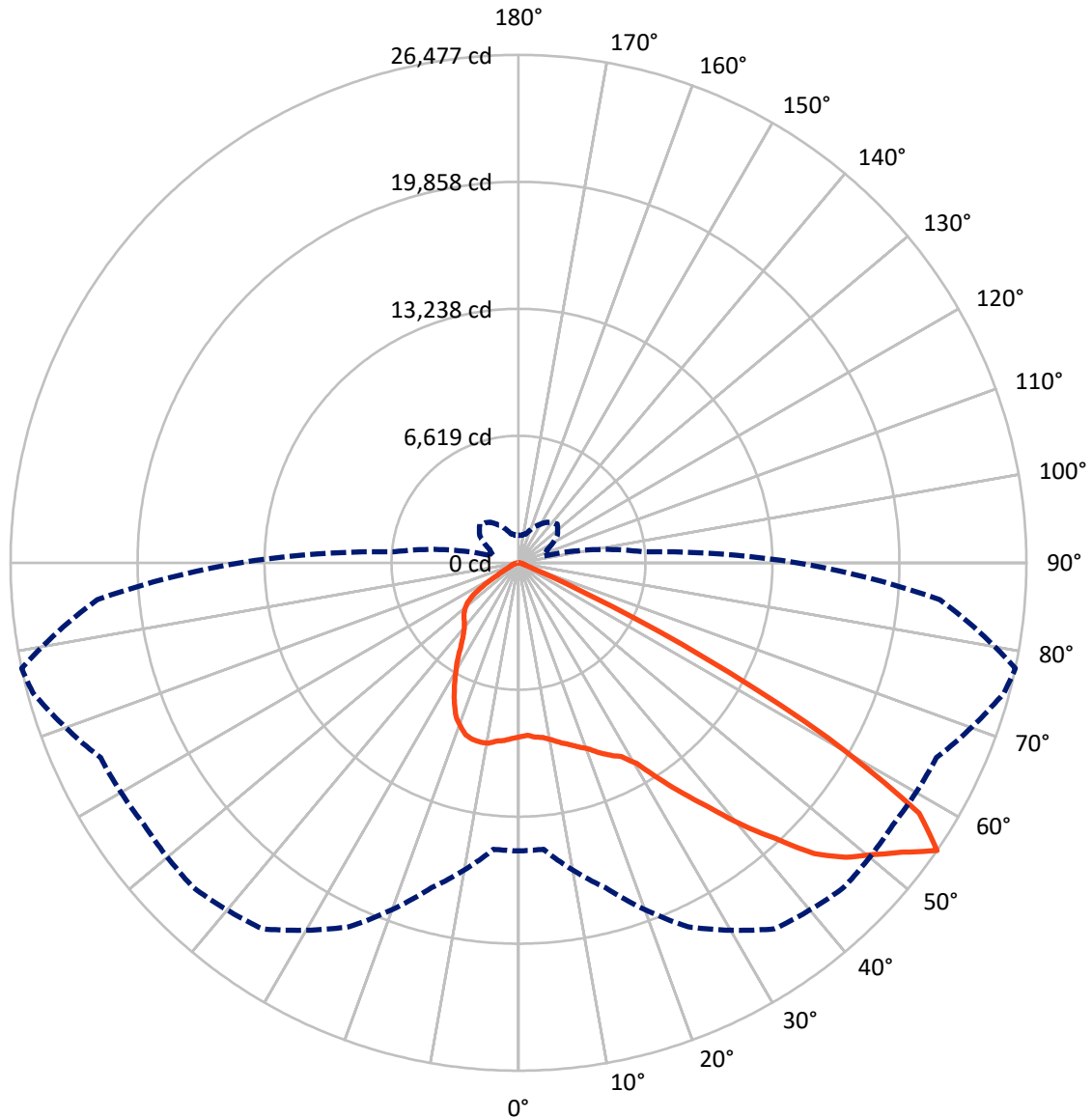
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 fc
 Type II - Short - N/A

REPORT NUMBER: P534043
CATALOG NUMBER: GALN-SA9C-730-U-T3R-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P534043

CATALOG NUMBER: GALN-SA9C-730-U-T3R-GRSBK

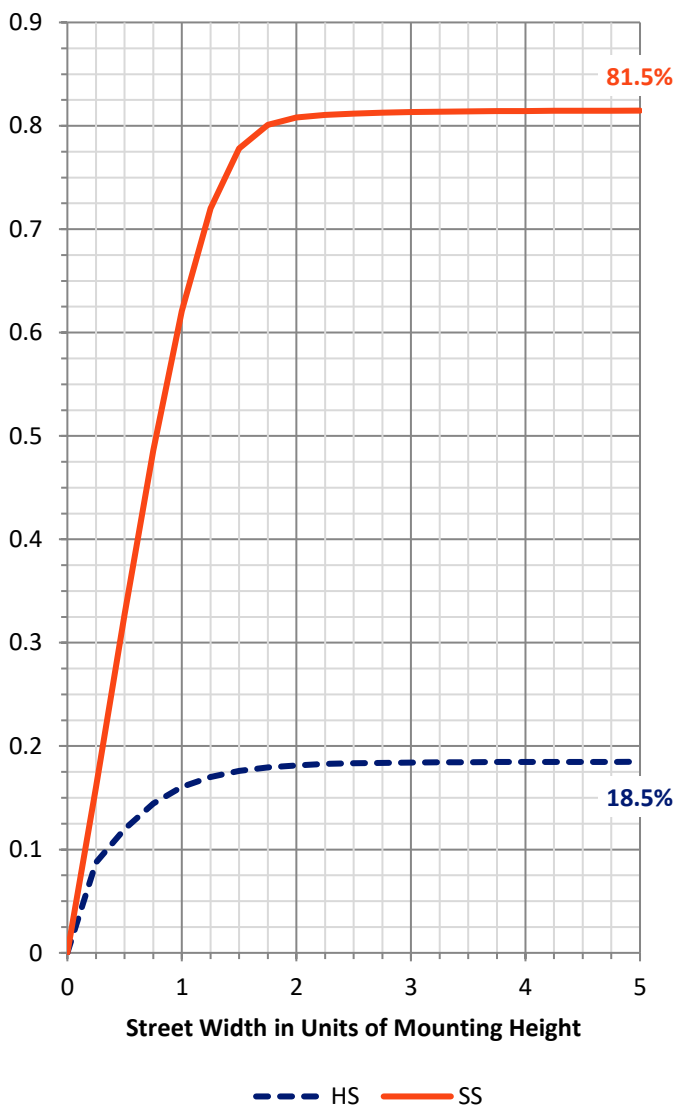
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6556.8	0.0	6556.8
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	28744.2	0.0	28744.2
	% Fixture	81.4	0.0	81.4
Total	Lumens	35301.0	0.0	35301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	809.3	2.3
10°-20°	2141.8	6.1
20°-30°	3754.2	10.6
30°-40°	6190.1	17.5
40°-50°	9007.4	25.5
50°-60°	10206.3	28.9
60°-70°	2918.2	8.3
70°-80°	226.6	0.6
80°-90°	47.1	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°	35301.0	100.0
0°-180°	35301.0	100.0

Coefficient of Utilization



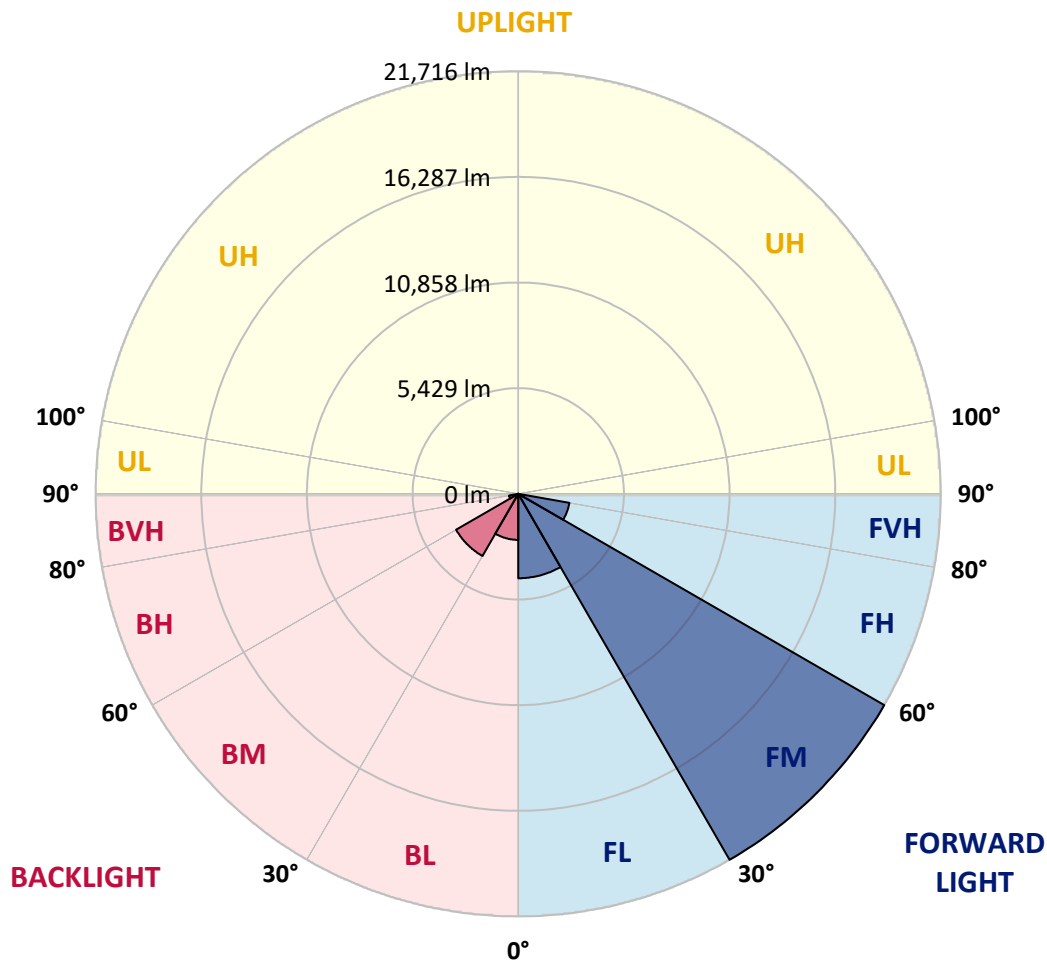
REPORT NUMBER: P534043
 CATALOG NUMBER: GALN-SA9C-730-U-T3R-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4339.5	12.3			
FM (30°-60°)	21715.6	61.5			
FH (60°-80°)	2666.2	7.6			G2/5000
FVH (80°-90°)	23.0	0.1			G1/100
BL (0°-30°)	2365.7	6.7	B3/2500		
BM (30°-60°)	3688.3	10.4	B3/5000		
BH (60°-80°)	478.6	1.4	B1/500		G1/500
BVH (80°-90°)	24.2	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-G2

Type II Short





REPORT NUMBER: P534043

CATALOG NUMBER: GALN-SA9C-730-U-T3R-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9
2.5°	8533.1	8615.2	8627.8	8728.8	8722.5	8892.9	8943.4	8949.7	9063.3	9006.5	9151.6
5°	8293.3	8249.1	8230.2	8406.9	8457.4	8608.9	8735.1	8810.8	9044.4	9126.4	9277.9
7.5°	8078.7	8078.7	8091.3	8249.1	8230.2	8425.8	8558.4	8791.9	9132.7	9202.1	9385.2
10°	7870.4	7794.7	7889.3	8053.4	8192.3	8280.7	8558.4	8779.3	9176.9	9378.9	9631.3
12.5°	7763.1	7801.0	7813.6	7933.5	8085.0	8350.1	8501.6	8867.6	9492.5	9612.4	9883.8
15°	8438.4	8362.7	8179.7	8072.4	8198.6	8324.8	8703.5	9075.9	9656.6	9827.0	10129.9
17.5°	9221.1	9158.0	9006.5	8716.2	8432.1	8665.7	8962.3	9303.1	9833.3	10085.7	10533.9
20°	10243.5	10142.5	9991.1	9423.0	9176.9	8924.4	9240.0	9643.9	10123.6	10350.8	10811.6
22.5°	11461.6	11461.6	11120.8	10432.9	9921.6	9681.8	9814.4	10047.9	10445.5	10754.8	11209.2
25°	12730.3	12692.4	12383.1	11669.9	10805.3	10521.2	10672.7	10836.8	10944.1	11114.5	11417.5
27.5°	14181.9	13961.0	13569.7	12780.7	12017.1	11468.0	11632.1	11486.9	11354.4	11442.7	11878.2
30°	15166.5	15305.3	14806.7	14049.4	13329.8	12717.6	12749.2	12623.0	12017.1	12143.3	12402.1
32.5°	16188.9	16277.3	15999.6	15583.0	14863.5	14150.3	13891.6	13784.3	13329.8	13386.6	13134.2
35°	17041.0	17211.4	16965.3	16782.2	16573.9	15999.6	15286.4	15633.5	14901.4	14762.6	14106.2
37.5°	17823.6	17773.1	18063.5	17874.1	17829.9	17426.0	16643.4	16712.8	16220.5	16188.9	15431.6
40°	18524.2	18536.8	18934.4	19022.8	18846.1	18126.6	16990.5	17539.6	17937.2	17975.1	17003.1
42.5°	19104.8	19275.3	19616.1	20329.3	20064.2	18865.0	17350.3	17949.8	19426.7	19660.3	18492.6
45°	19609.8	19956.9	20379.8	21017.2	20865.8	19912.7	18246.5	18795.6	21017.2	21629.4	19893.8
47.5°	19641.3	20095.8	20556.5	21503.2	21692.6	20474.4	19174.3	20133.6	22279.5	22942.2	20916.2
50°	19515.1	19754.9	20676.4	21705.2	22134.4	21389.6	20474.4	21257.1	23504.0	23920.5	21433.8
52.5°	18019.3	18202.3	20051.6	21894.5	22929.6	22424.7	22197.5	22822.3	24753.6	25062.9	21919.8
55°	15021.3	14989.8	17533.3	20941.5	23295.7	23958.4	23819.5	24040.4	26199.0	26476.7	22039.7
57.5°	10275.1	10849.4	13045.8	17438.6	21055.1	23598.6	23743.8	23377.7	24513.8	24621.1	19212.1
60°	5541.5	5781.3	7548.5	11638.4	16031.2	19231.1	19609.8	18947.1	18858.7	18555.8	13714.8
62.5°	2202.7	2322.6	3326.1	5762.4	8735.1	11688.9	12503.0	12231.6	11651.0	10855.7	7100.4
65°	1047.7	1123.4	1653.6	2695.0	3875.2	4872.5	5686.6	5939.1	4380.2	3944.7	2341.6
67.5°	713.2	770.0	1205.5	1540.0	1382.2	1445.3	1880.8	1748.3	1028.8	877.3	650.1
70°	542.8	580.7	965.7	1047.7	618.5	435.5	486.0	454.4	422.9	429.2	422.9
72.5°	385.0	416.6	706.9	618.5	271.4	202.0	258.8	309.3	309.3	309.3	303.0
75°	233.5	265.1	410.2	239.8	107.3	107.3	164.1	208.3	220.9	227.2	214.6
77.5°	119.9	151.5	138.9	69.4	69.4	82.0	119.9	145.2	157.8	157.8	151.5
80°	25.2	25.2	25.2	37.9	69.4	88.4	119.9	132.5	151.5	151.5	138.9
82.5°	0.0	6.3	18.9	37.9	63.1	82.0	113.6	132.5	151.5	157.8	145.2
85°	0.0	6.3	12.6	25.2	44.2	50.5	44.2	37.9	37.9	37.9	37.9
87.5°	0.0	0.0	6.3	6.3	6.3	12.6	12.6	12.6	12.6	12.6	12.6
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: P534043

CATALOG NUMBER: GALN-SA9C-730-U-T3R-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9	9075.9
2.5°	9164.3	9183.2	9151.6	9145.3	9120.1	9195.8	9012.8	8968.6	9082.2	8974.9	9000.2
5°	9284.2	9328.4	9271.6	9176.9	9038.0	8823.4	8640.4	8400.6	8287.0	8204.9	8192.3
7.5°	9372.5	9404.1	9347.3	9044.4	8627.8	8085.0	7681.1	7384.4	7150.9	7081.5	6967.9
10°	9732.3	9738.6	9454.6	8785.6	7971.4	7258.2	6639.7	6185.3	5951.7	5806.6	5743.4
12.5°	9972.1	9959.5	9385.2	8274.3	7188.8	6242.1	5535.2	4986.1	4771.5	4702.1	4657.9
15°	10275.1	10205.7	9221.1	7750.5	6178.9	5156.5	4519.0	4140.3	4121.4	4077.2	4121.4
17.5°	10514.9	10319.3	8981.2	6797.5	5213.3	4247.6	3831.1	3856.3	3906.8	3951.0	3957.3
20°	10906.2	10502.3	8432.1	5964.3	4317.1	3641.7	3635.4	3749.0	3875.2	3925.7	3976.2
22.5°	11202.9	10578.0	7845.2	5074.4	3584.9	3395.6	3502.9	3673.3	3768.0	3818.4	3894.2
25°	11310.2	10369.8	7062.5	4184.5	3231.5	3282.0	3446.1	3559.7	3679.6	3736.4	3704.8
27.5°	11417.5	10262.5	6128.4	3446.1	3042.1	3206.2	3345.1	3458.7	3496.6	3572.3	3622.8
30°	11676.2	9890.1	5289.0	2979.0	2947.5	3155.7	3256.7	3294.6	3395.6	3439.8	3439.8
32.5°	11884.5	9744.9	4399.1	2758.1	2934.8	3181.0	3193.6	3193.6	3206.2	3174.7	3162.1
35°	12313.7	9246.3	3603.9	2625.6	2928.5	3187.3	3218.9	3111.6	2821.2	2707.6	2676.1
37.5°	12843.9	8924.4	3016.9	2594.0	2972.7	3263.0	3313.5	2909.6	2530.9	2347.9	2316.3
40°	13487.6	8697.2	2631.9	2581.4	3073.7	3439.8	3288.3	2751.8	2259.5	1994.4	1981.8
42.5°	14238.7	8488.9	2373.1	2575.1	3199.9	3622.8	3263.0	2619.3	1981.8	1805.1	1830.3
45°	14838.3	8375.3	2196.4	2530.9	3244.1	3730.1	3282.0	2385.7	1868.2	1754.6	1767.2
47.5°	15305.3	8135.5	2051.2	2455.2	3237.8	3768.0	3111.6	2291.1	1811.4	1843.0	1874.5
50°	15318.0	7813.6	1868.2	2291.1	3143.1	3698.5	2915.9	2202.7	1798.8	1931.3	1994.4
52.5°	15147.6	7359.2	1672.5	2057.5	2922.2	3458.7	2739.2	2164.8	1742.0	1729.3	1805.1
55°	14541.6	6507.1	1344.3	1666.2	2467.8	2852.8	2581.4	2095.4	1571.6	1426.4	1439.0
57.5°	11752.0	4664.2	990.9	1192.9	1748.3	2089.1	2328.9	2063.9	1413.8	1211.8	1218.1
60°	7277.1	2644.5	725.8	814.2	1079.3	1268.6	1887.1	1918.7	1262.3	1022.5	1009.8
62.5°	3736.4	1306.5	561.7	574.3	662.7	744.8	1293.9	1609.4	1142.4	972.0	972.0
65°	1249.7	643.8	492.3	441.8	441.8	460.7	782.6	1117.1	965.7	814.2	814.2
67.5°	536.5	479.7	429.2	385.0	353.4	334.5	441.8	650.1	719.5	618.5	593.3
70°	416.6	403.9	372.4	321.9	277.7	252.5	258.8	334.5	410.2	397.6	385.0
72.5°	309.3	309.3	296.6	252.5	214.6	183.0	170.4	176.7	195.7	202.0	208.3
75°	214.6	220.9	220.9	195.7	157.8	132.5	113.6	94.7	75.7	63.1	56.8
77.5°	145.2	151.5	164.1	145.2	119.9	88.4	69.4	50.5	31.6	12.6	12.6
80°	126.2	145.2	157.8	145.2	126.2	94.7	69.4	37.9	18.9	0.0	0.0
82.5°	132.5	145.2	164.1	138.9	119.9	88.4	69.4	44.2	18.9	6.3	0.0
85°	31.6	31.6	37.9	44.2	56.8	63.1	50.5	31.6	18.9	6.3	0.0
87.5°	12.6	12.6	12.6	12.6	12.6	6.3	6.3	6.3	6.3	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)