

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: P532793

Luminaire Tested: **GALN-SA8A-830-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8A-830-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17524 lumens
Efficiency: N/A
Efficacy: 71.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

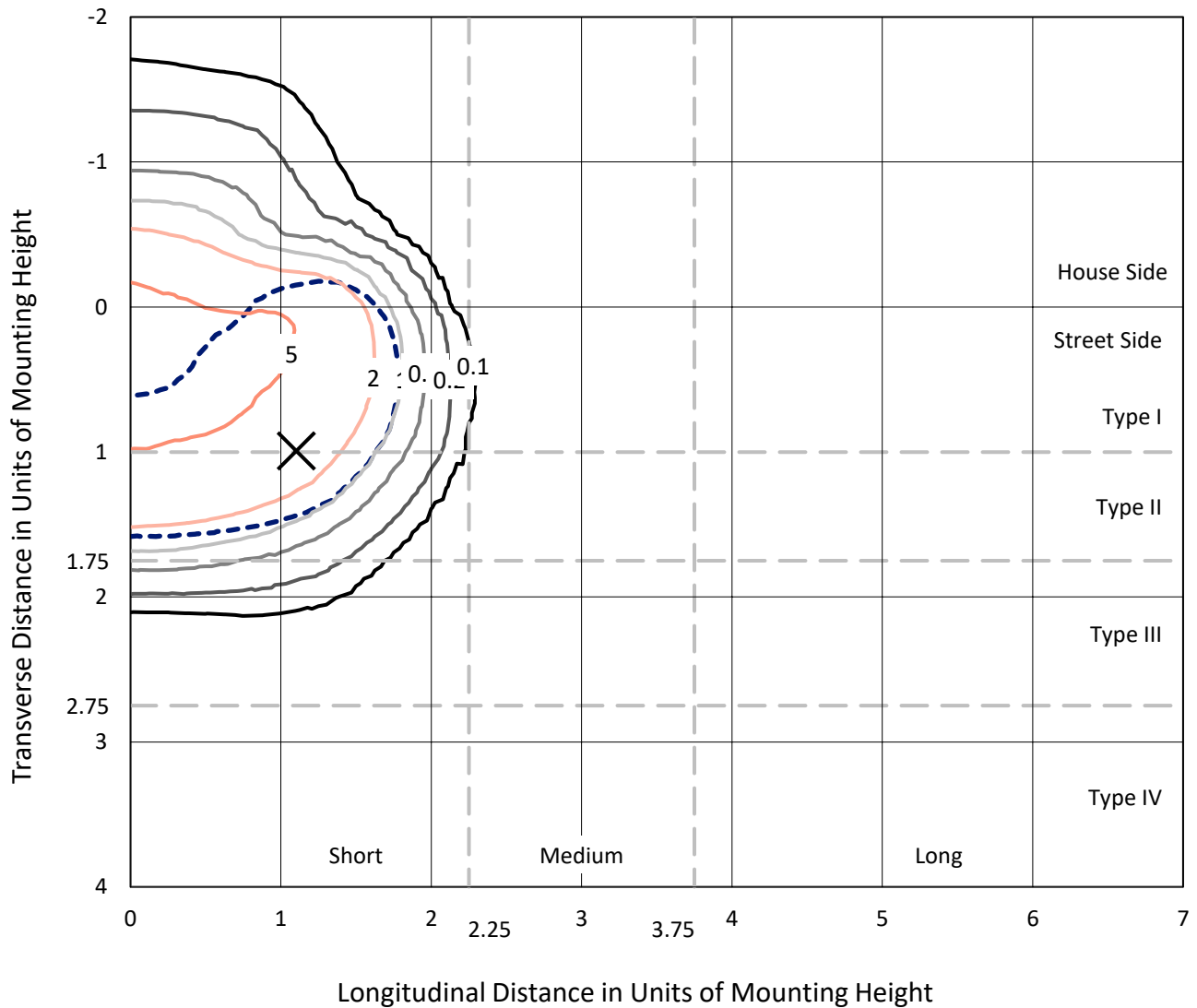
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532793
 CATALOG NUMBER: GALN-SA8A-830-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

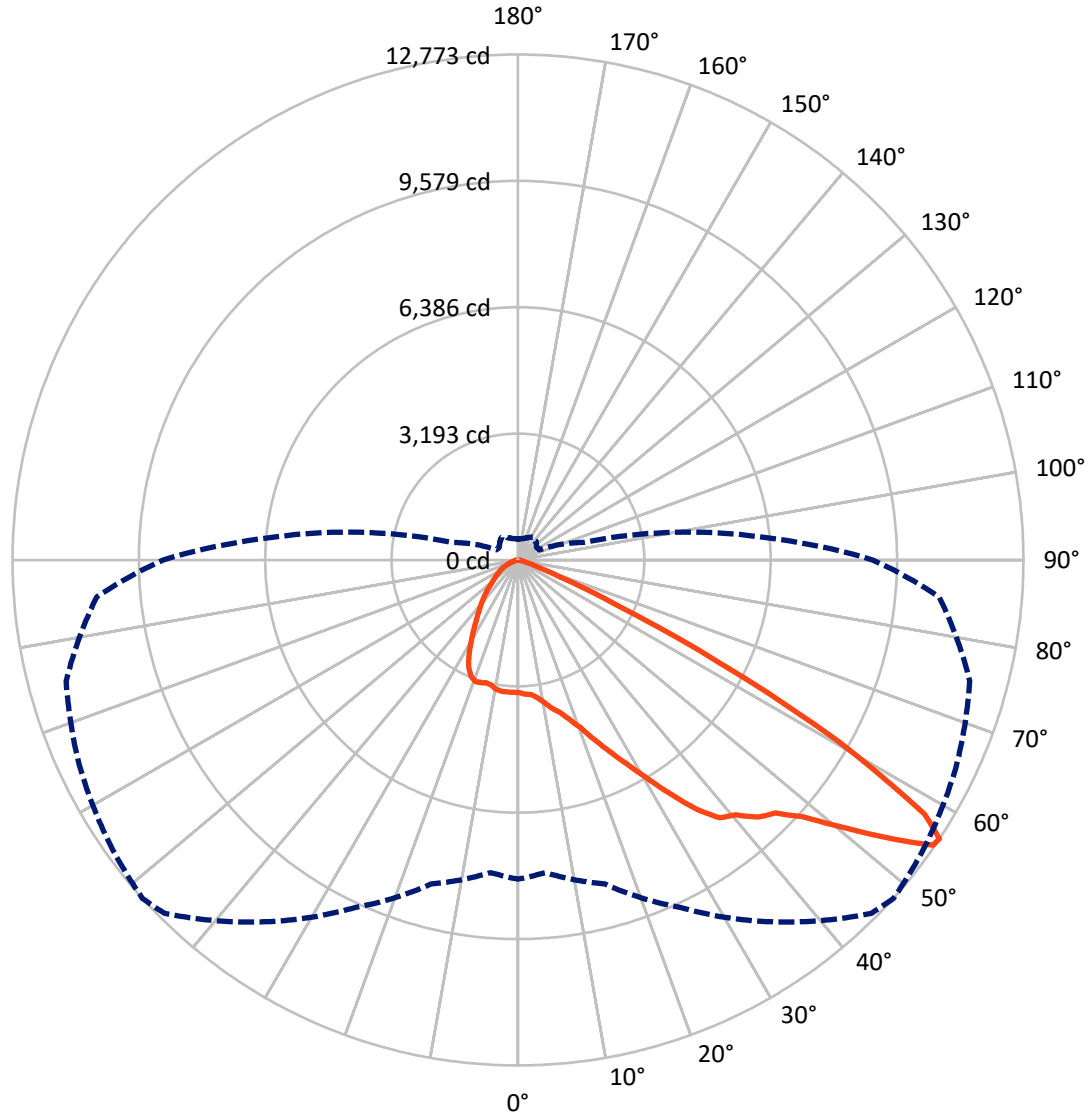
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

REPORT NUMBER: P532793
CATALOG NUMBER: GALN-SA8A-830-U-T3-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P532793
 CATALOG NUMBER: GALN-SA8A-830-U-T3-GRSBK

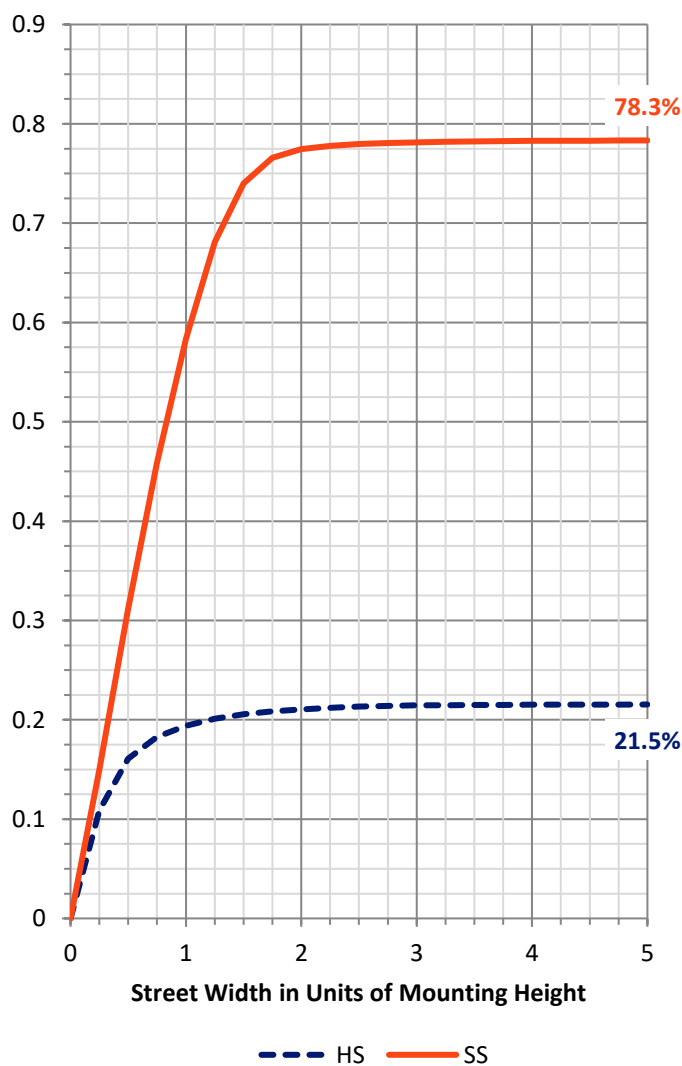
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3811.1	0.0	3811.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	13712.9	0.0	13712.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	17524.0	0.0	17524.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.0	1.9
10°-20°	1042.0	5.9
20°-30°	1889.9	10.8
30°-40°	2968.7	16.9
40°-50°	4330.8	24.7
50°-60°	5217.8	29.8
60°-70°	1527.7	8.7
70°-80°	193.8	1.1
80°-90°	27.2	0.2
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°	17524.0	100.0
0°-180°	17524.0	100.0

Coefficient of Utilization

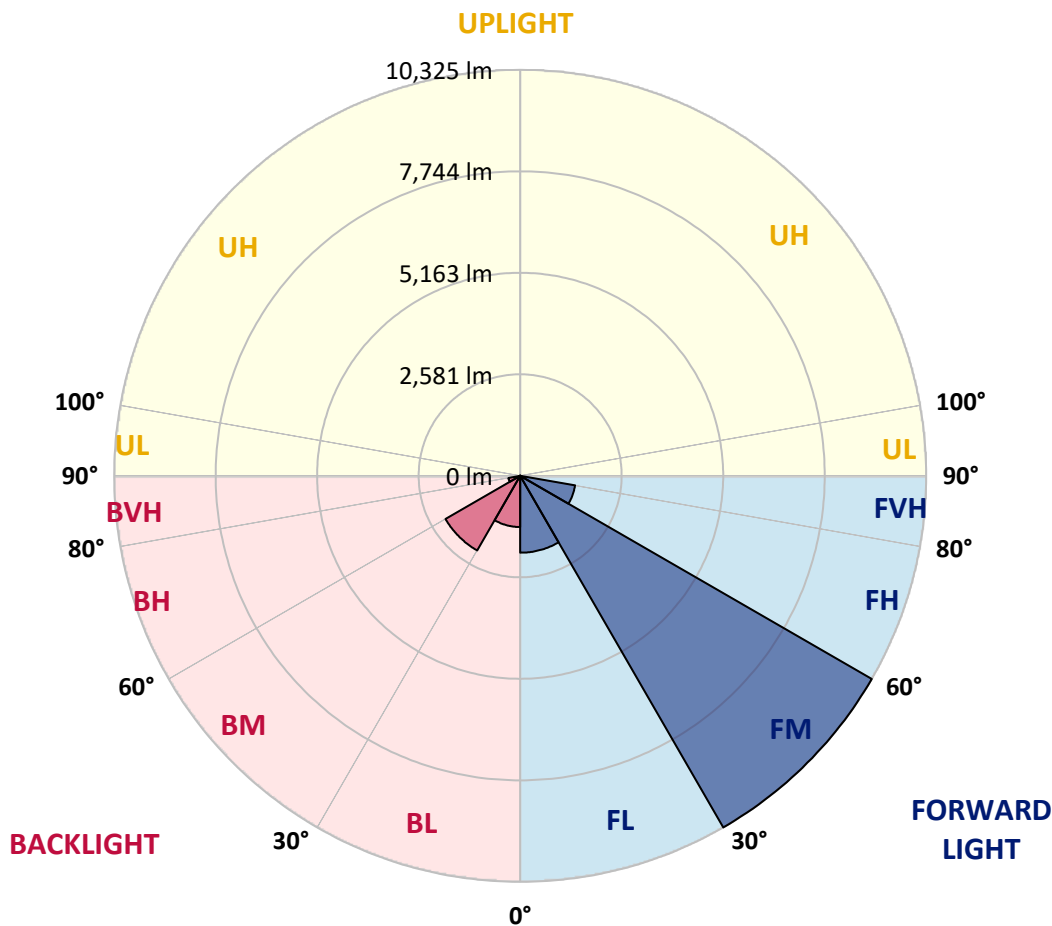


REPORT NUMBER: P532793
 CATALOG NUMBER: GALN-SA8A-830-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1955.3	11.2			
FM (30°-60°)	10325.2	58.9			
FH (60°-80°)	1418.7	8.1			G1/1800
FVH (80°-90°)	13.6	0.1			G1/100
BL (0°-30°)	1302.6	7.4	B3/2500		
BM (30°-60°)	2192.2	12.5	B2/2500		
BH (60°-80°)	302.8	1.7	B1/500		G1/500
BVH (80°-90°)	13.5	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





REPORT NUMBER: P532793

CATALOG NUMBER: GALN-SA8A-830-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1
2.5°	3407.7	3391.8	3391.8	3366.2	3395.0	3382.2	3391.8	3359.9	3391.8	3343.9	3382.2
5°	3423.7	3426.9	3414.1	3430.1	3430.1	3449.2	3417.3	3446.0	3462.0	3426.9	3410.9
7.5°	3506.6	3513.0	3509.8	3497.1	3522.6	3519.4	3516.2	3493.9	3500.2	3487.5	3468.3
10°	3669.4	3666.2	3682.1	3650.2	3631.1	3653.4	3659.8	3624.7	3599.2	3589.6	3529.0
12.5°	3905.5	3867.2	3844.8	3812.9	3822.5	3790.6	3848.0	3787.4	3774.7	3717.2	3656.6
15°	4096.9	4090.5	4093.7	4042.7	3985.2	3998.0	3998.0	3966.1	3947.0	3876.8	3790.6
17.5°	4489.4	4355.4	4384.1	4320.3	4272.4	4269.2	4240.5	4246.9	4195.8	4049.1	3918.2
20°	4795.7	4738.3	4693.6	4585.1	4511.7	4534.0	4521.3	4489.4	4473.4	4282.0	4096.9
22.5°	5070.1	5089.2	5015.9	4987.1	4885.0	4894.6	4920.1	4891.4	4770.2	4572.3	4297.9
25°	5456.2	5433.8	5334.9	5299.8	5204.1	5239.2	5338.1	5315.8	5239.2	4881.8	4454.3
27.5°	5912.5	5835.9	5855.0	5695.5	5602.9	5701.9	5819.9	5931.6	5714.6	5245.6	4639.3
30°	6234.7	6154.9	6148.6	6142.2	6119.8	6234.7	6371.9	6474.0	6298.5	5609.3	4945.7
32.5°	6394.3	6413.4	6467.6	6448.5	6643.1	6879.2	7022.8	7169.6	6949.4	6202.8	5350.9
35°	6818.6	6697.4	6818.6	6831.4	7032.4	7533.3	7715.2	8066.2	8012.0	7042.0	5845.4
37.5°	7067.5	7057.9	7073.9	7195.1	7389.8	8008.8	8267.2	8538.4	8436.3	7546.1	6461.3
40°	7479.1	7504.6	7501.4	7594.0	7807.8	8366.1	8471.4	8691.6	8701.2	8244.9	7367.4
42.5°	8139.6	8037.5	7970.5	8066.2	8366.1	8675.6	8886.2	8841.6	9157.4	9093.6	8532.1
45°	8733.1	8793.7	8694.8	8854.3	8962.8	9128.7	9122.3	9218.1	9620.1	9923.2	9409.5
47.5°	9288.3	9326.5	9374.4	9482.9	9719.0	9744.5	9690.3	9648.8	10204.0	10516.7	10089.1
50°	9620.1	9655.2	9878.5	10073.2	10513.5	10570.9	10602.8	10497.6	10874.1	10909.2	10730.5
52.5°	9530.8	9569.0	9881.7	10523.1	11225.0	11751.5	11655.8	11477.1	11454.8	11592.0	11324.0
55°	8739.5	8704.4	9135.1	10133.8	11448.4	12711.9	12724.7	12536.4	12175.9	12083.4	11234.6
56°	8066.2	7929.0	8477.8	9683.9	11161.2	12629.0	12772.6	12571.5	12233.3	11818.5	10682.6
57.5°	6608.0	6738.9	7284.5	8283.2	10168.9	12032.3	12115.3	12067.4	11812.1	11116.6	9399.9
60°	3643.8	3873.6	4355.4	5577.4	7239.8	9234.0	9301.0	9690.3	9738.2	8512.9	6467.6
62.5°	1547.5	1522.0	2022.9	2922.7	4122.4	5574.2	5698.7	6097.5	6170.9	4907.4	3245.0
65°	628.6	663.7	915.7	1470.9	2179.3	2539.8	2715.3	2846.1	3088.6	2026.1	1196.5
67.5°	414.8	411.6	539.2	839.2	1174.2	1132.7	1132.7	1196.5	1107.2	826.4	516.9
70°	296.7	306.3	386.1	580.7	730.7	542.4	520.1	497.8	564.8	545.6	418.0
72.5°	194.6	207.4	258.5	347.8	379.7	296.7	296.7	357.4	465.8	440.3	341.4
75°	127.6	130.8	159.5	201.0	188.3	153.2	169.1	239.3	338.2	325.5	242.5
77.5°	86.2	89.3	108.5	130.8	105.3	86.2	92.5	121.2	165.9	165.9	127.6
80°	31.9	35.1	44.7	41.5	47.9	60.6	67.0	83.0	98.9	98.9	86.2
82.5°	0.0	3.2	9.6	22.3	35.1	47.9	54.2	63.8	73.4	83.0	79.8
85°	0.0	3.2	9.6	16.0	25.5	28.7	31.9	22.3	19.1	19.1	16.0
87.5°	0.0	0.0	3.2	3.2	3.2	3.2	3.2	3.2	6.4	3.2	3.2
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: P532793

CATALOG NUMBER: GALN-SA8A-830-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1	3347.1
2.5°	3347.1	3343.9	3343.9	3334.3	3353.5	3343.9	3350.3	3347.1	3305.6	3337.5	3315.2
5°	3382.2	3404.5	3369.4	3363.0	3337.5	3347.1	3347.1	3315.2	3343.9	3340.7	3334.3
7.5°	3471.5	3433.2	3395.0	3356.7	3350.3	3340.7	3305.6	3292.8	3315.2	3289.7	3327.9
10°	3509.8	3516.2	3458.8	3407.7	3359.9	3292.8	3245.0	3216.3	3181.2	3219.5	3241.8
12.5°	3685.3	3621.5	3522.6	3442.8	3280.1	3213.1	3165.2	3152.5	3213.1	3225.8	3203.5
15°	3745.9	3736.4	3608.7	3430.1	3260.9	3181.2	3190.7	3165.2	3171.6	3139.7	3146.1
17.5°	3870.4	3761.9	3611.9	3388.6	3257.8	3238.6	3181.2	3079.1	3021.6	2996.1	3018.4
20°	4007.6	3902.3	3685.3	3404.5	3286.5	3235.4	3047.2	2922.7	2804.7	2740.9	2744.0
22.5°	4128.8	3998.0	3653.4	3410.9	3312.0	3101.4	2874.9	2629.2	2482.4	2383.5	2386.7
25°	4275.6	4090.5	3666.2	3423.7	3245.0	2887.6	2562.2	2322.9	2147.4	2080.4	2102.7
27.5°	4358.6	4148.0	3736.4	3452.4	3069.5	2584.5	2233.5	2010.2	1908.1	1876.2	1873.0
30°	4607.4	4275.6	3822.5	3395.0	2775.9	2259.0	1933.6	1796.4	1697.5	1668.8	1675.1
32.5°	4977.6	4508.5	3934.2	3245.0	2476.0	1968.7	1739.0	1636.9	1544.3	1490.1	1483.7
35°	5287.1	4907.4	4052.2	3012.1	2128.2	1745.3	1601.8	1474.1	1333.7	1273.1	1257.2
37.5°	5877.4	5357.3	4026.7	2661.1	1796.4	1579.4	1455.0	1298.6	1177.4	1094.4	1084.9
40°	6662.3	5883.7	3902.3	2233.5	1550.7	1432.6	1298.6	1148.7	998.7	928.5	922.1
42.5°	7616.3	6528.3	3675.7	1799.6	1305.0	1285.9	1164.6	992.3	858.3	807.3	810.4
45°	8391.7	7080.3	3446.0	1445.4	1123.1	1142.3	1037.0	874.3	781.7	740.3	740.3
47.5°	9080.9	7453.6	3197.1	1193.3	954.0	998.7	906.2	810.4	730.7	698.8	692.4
50°	9744.5	7833.3	2948.2	966.8	813.6	858.3	848.7	772.2	708.3	670.1	673.2
52.5°	10159.3	7893.9	2632.4	791.3	711.5	762.6	794.5	724.3	654.1	631.8	625.4
55°	9652.0	7112.2	2042.1	650.9	603.1	670.1	730.7	650.9	596.7	558.4	555.2
56°	8969.2	6359.2	1707.0	599.9	571.1	644.5	708.3	622.2	561.6	539.2	523.3
57.5°	7594.0	5204.1	1260.3	532.9	529.7	599.9	673.2	593.5	523.3	504.1	504.1
60°	4735.1	2929.1	762.6	446.7	459.5	532.9	606.2	529.7	465.8	465.8	475.4
62.5°	2156.9	1218.9	462.7	379.7	395.7	459.5	539.2	478.6	443.5	478.6	485.0
65°	733.9	526.5	335.0	303.1	312.7	379.7	462.7	485.0	481.8	504.1	516.9
67.5°	411.6	338.2	280.8	252.1	245.7	280.8	379.7	485.0	465.8	456.3	462.7
70°	347.8	287.2	248.9	223.4	213.8	226.5	293.5	366.9	328.6	319.1	312.7
72.5°	280.8	239.3	217.0	201.0	172.3	146.8	134.0	140.4	156.3	165.9	181.9
75°	197.8	181.9	181.9	162.7	124.4	92.5	73.4	60.6	41.5	28.7	31.9
77.5°	111.7	111.7	114.9	98.9	79.8	60.6	44.7	31.9	16.0	6.4	3.2
80°	76.6	83.0	89.3	79.8	67.0	54.2	38.3	22.3	9.6	0.0	0.0
82.5°	76.6	86.2	92.5	79.8	67.0	51.1	38.3	22.3	9.6	3.2	0.0
85°	16.0	19.1	22.3	25.5	38.3	38.3	28.7	19.1	9.6	3.2	0.0
87.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	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)