

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: P527272

Luminaire Tested: **GALN-SA2B-735-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-735-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9018 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

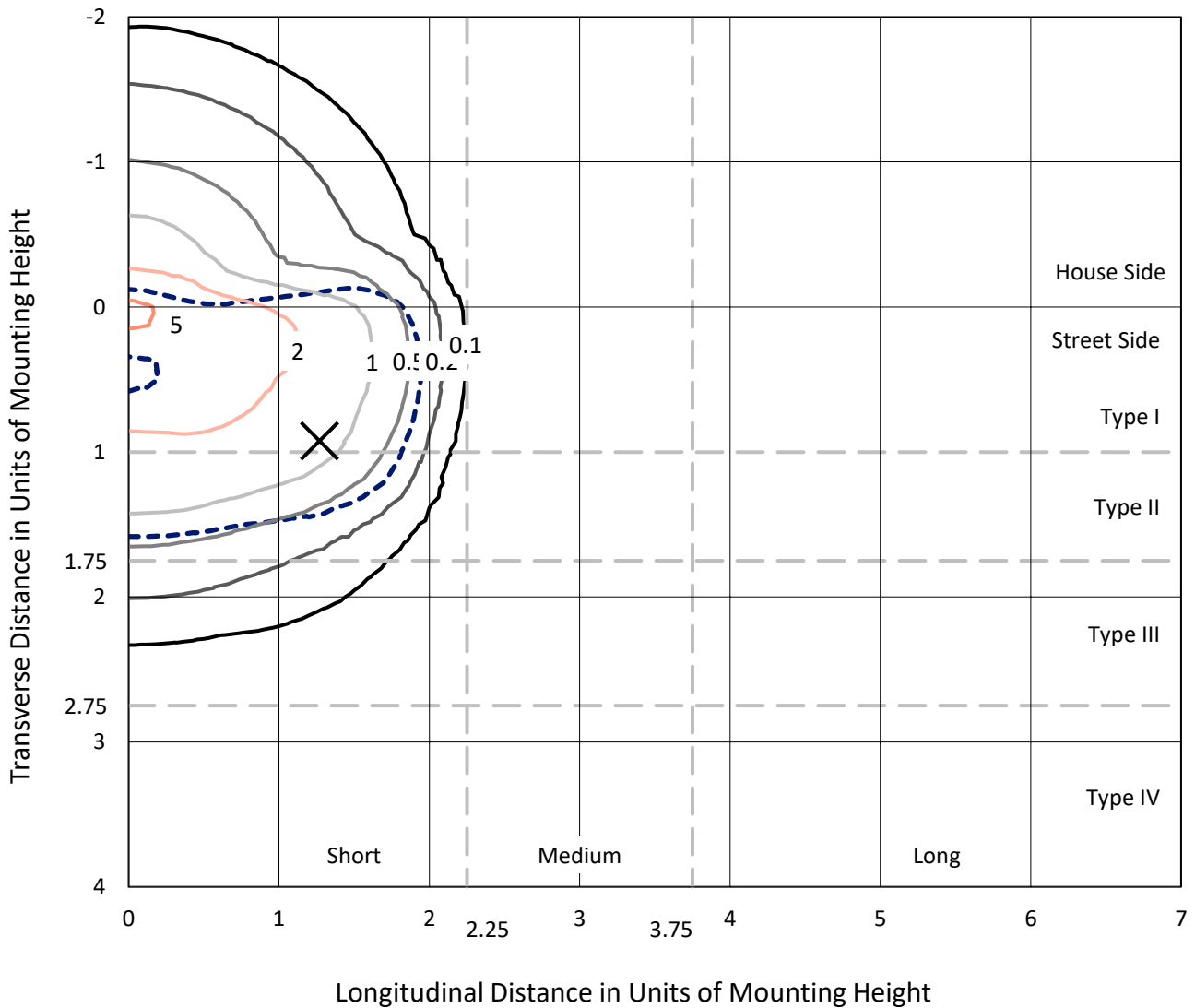
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527272
 CATALOG NUMBER: GALN-SA2B-735-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

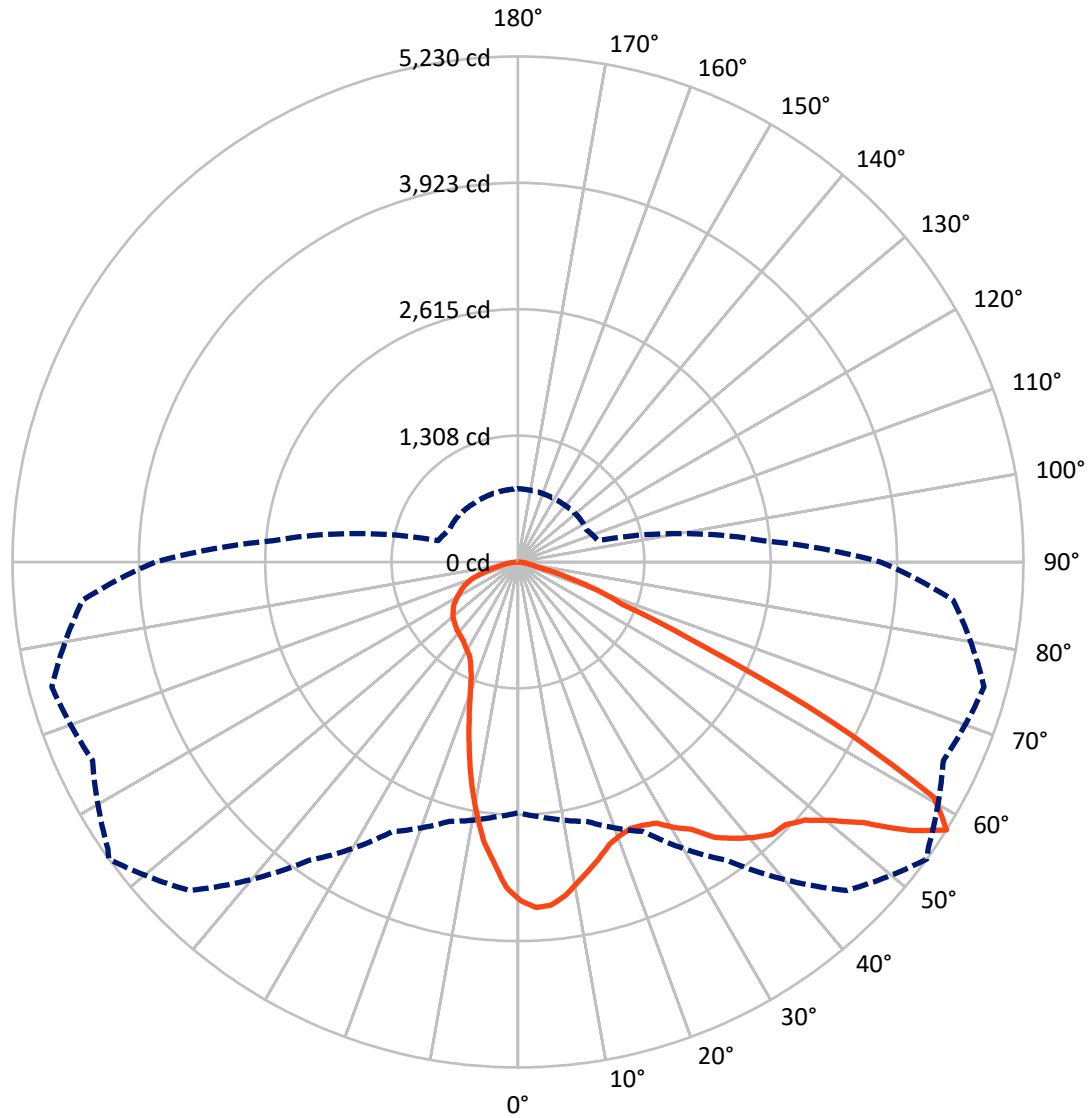
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - N/A

REPORT NUMBER: P527272
CATALOG NUMBER: GALN-SA2B-735-U-SL3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P527272
 CATALOG NUMBER: GALN-SA2B-735-U-SL3-GRSWH

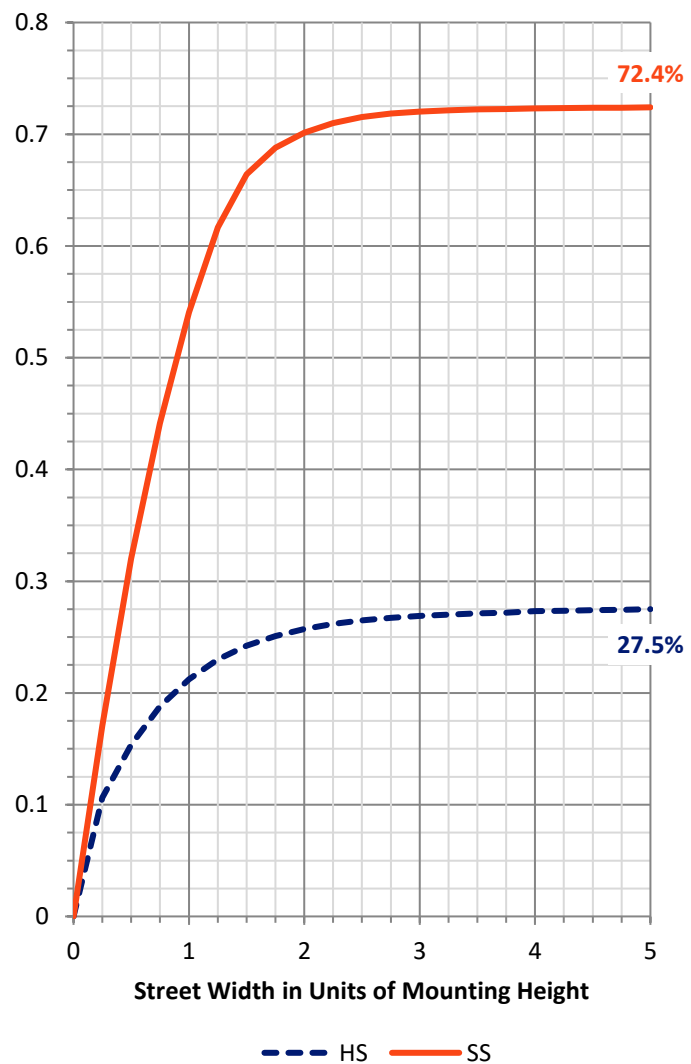
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2494.9	0.0	2494.9
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	6523.1	0.0	6523.1
	% Fixture	72.3	0.0	72.3
Total	Lumens	9018.0	0.0	9018.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.3	3.4
10°-20°	699.9	7.8
20°-30°	983.4	10.9
30°-40°	1374.8	15.2
40°-50°	1861.2	20.6
50°-60°	2267.0	25.1
60°-70°	1180.8	13.1
70°-80°	302.6	3.4
80°-90°	46.2	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°	9018.0	100.0
0°-180°	9018.0	100.0



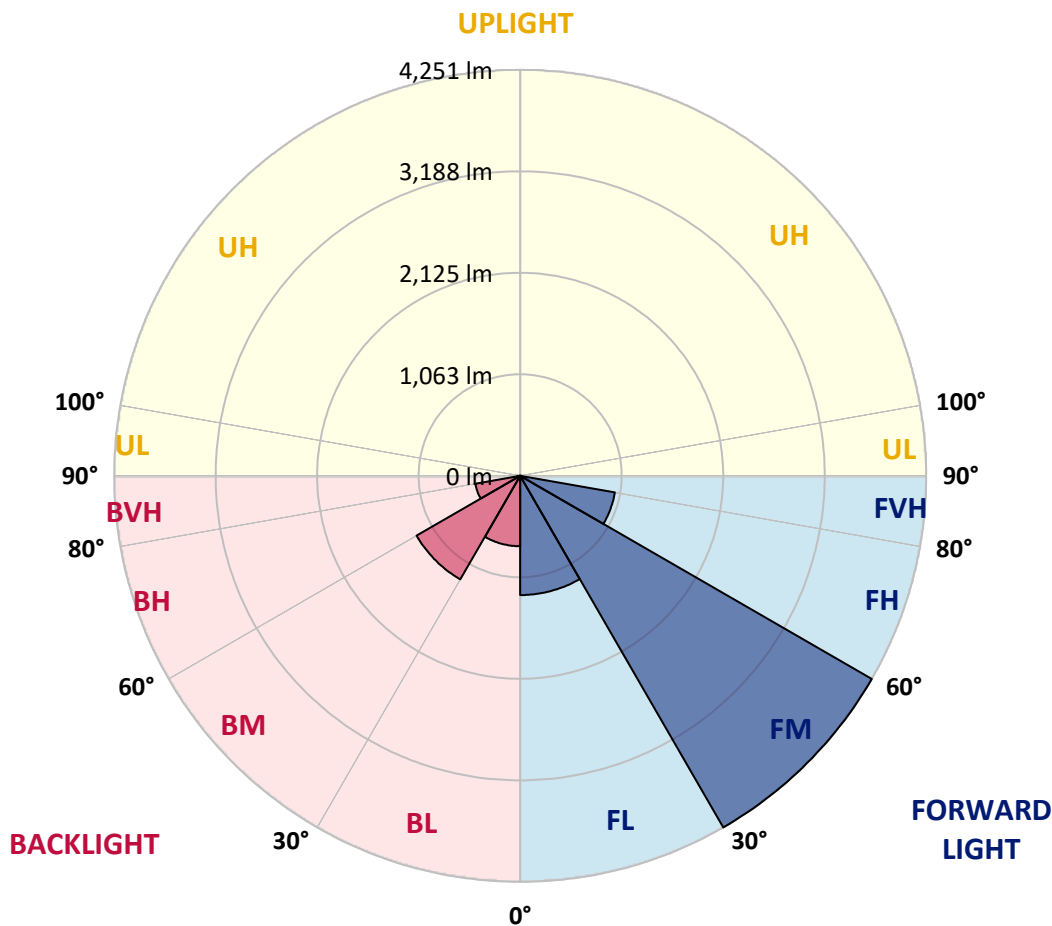
REPORT NUMBER: P527272

CATALOG NUMBER: GALN-SA2B-735-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1248.2	13.8			
FM (30°-60°)	4250.8	47.1			
FH (60°-80°)	1006.7	11.2			G1/1800
FVH (80°-90°)	17.4	0.2			G1/100
BL (0°-30°)	737.4	8.2	B2/1000		
BM (30°-60°)	1252.2	13.9	B2/2500		
BH (60°-80°)	476.6	5.3	B1/500		G1/500
BVH (80°-90°)	28.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P527272

CATALOG NUMBER: GALN-SA2B-735-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2
2.5°	3604.9	3591.0	3593.3	3611.8	3588.7	3579.4	3579.4	3534.2	3537.6	3506.4	3498.2
5°	3521.4	3489.0	3511.0	3538.8	3543.4	3552.7	3567.8	3556.2	3523.7	3490.1	3435.6
7.5°	3303.5	3332.5	3340.6	3360.3	3402.0	3440.3	3487.8	3455.4	3454.2	3420.6	3388.1
10°	3112.3	3094.9	3138.9	3167.9	3237.4	3301.2	3374.2	3370.7	3388.1	3349.9	3294.2
12.5°	2922.2	2908.2	2929.1	2995.2	3092.5	3185.3	3272.2	3239.8	3332.5	3325.5	3206.1
15°	2720.5	2730.9	2761.0	2822.5	2950.0	3061.2	3171.4	3172.5	3254.8	3282.6	3122.7
17.5°	2579.1	2567.5	2605.7	2697.3	2810.9	2944.2	3069.4	3094.9	3221.2	3237.4	3097.2
20°	2473.6	2489.8	2539.6	2586.0	2717.0	2878.1	3019.5	3028.8	3214.3	3258.3	3056.6
22.5°	2448.1	2438.8	2455.0	2530.4	2638.2	2813.2	2992.9	3027.6	3213.1	3251.3	2980.1
25°	2421.4	2451.5	2450.4	2525.7	2604.6	2761.0	3014.9	3053.1	3274.5	3287.3	2990.5
27.5°	2481.7	2478.2	2510.7	2516.5	2613.8	2774.9	3061.2	3090.2	3376.5	3366.1	2998.7
30°	2542.0	2524.6	2544.3	2612.7	2657.9	2854.9	3188.8	3186.4	3508.7	3501.7	3024.2
32.5°	2616.1	2608.0	2620.8	2681.1	2757.6	2961.6	3296.6	3364.9	3643.1	3687.2	3112.3
35°	2630.1	2663.7	2693.8	2774.9	2883.9	3134.3	3499.4	3556.2	3798.5	3936.4	3280.3
37.5°	2718.1	2730.9	2801.6	2945.3	3045.0	3364.9	3628.1	3664.0	3939.9	4096.3	3457.7
40°	2812.0	2827.1	2933.7	3084.4	3221.2	3515.6	3748.6	3760.2	3985.1	4219.2	3573.6
42.5°	2939.5	2953.4	3058.9	3247.9	3431.0	3644.3	3855.2	3868.0	3981.6	4360.6	3757.9
45°	3071.7	3105.3	3229.3	3443.8	3608.4	3795.0	3879.6	3931.8	4014.0	4487.0	3907.4
47.5°	3257.1	3288.4	3390.4	3600.2	3792.7	3927.1	3992.0	4043.0	4091.7	4597.1	4003.6
50°	3454.2	3460.0	3584.0	3774.1	3915.5	4076.6	4201.8	4219.2	4193.7	4724.6	4167.1
52.5°	3599.1	3617.6	3713.8	3899.3	4110.3	4308.5	4480.0	4498.6	4448.7	4772.1	4222.7
55°	3359.1	3348.7	3505.2	3752.1	4241.2	4653.9	4903.1	4917.0	4634.2	4919.3	4404.7
57.5°	2596.4	2646.3	2779.6	3077.5	3768.3	4806.9	5230.0	5180.1	4856.7	4993.5	4520.6
60°	1887.1	1875.5	1964.7	2164.1	2839.9	4142.7	4944.8	4995.8	4674.8	4500.9	3727.7
62.5°	1537.0	1520.8	1527.7	1534.7	1832.6	2749.4	3660.5	3659.4	3600.2	3235.1	2514.1
65°	1228.7	1266.9	1270.4	1322.6	1360.8	1642.5	2121.2	2234.8	1946.2	1596.1	1158.0
67.5°	926.1	912.2	958.6	1144.1	1215.9	1185.8	1158.0	1170.7	832.3	600.4	565.7
70°	545.9	540.2	595.8	797.5	1001.5	942.4	872.8	874.0	571.4	419.6	467.1
72.5°	299.1	297.9	309.5	404.5	569.1	591.2	523.9	540.2	340.8	339.6	365.1
75°	166.9	163.4	160.0	178.5	205.2	216.8	221.4	223.7	234.1	262.0	272.4
77.5°	61.4	59.1	59.1	68.4	86.9	109.0	137.9	140.3	165.8	190.1	200.5
80°	20.9	23.2	31.3	42.9	58.0	77.7	93.9	96.2	117.1	133.3	136.8
82.5°	12.8	13.9	20.9	30.1	41.7	54.5	69.5	70.7	86.9	97.4	102.0
85°	5.8	7.0	11.6	18.5	26.7	35.9	37.1	37.1	35.9	37.1	34.8
87.5°	0.0	0.0	2.3	2.3	2.3	3.5	4.6	3.5	5.8	7.0	7.0
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: P527272

CATALOG NUMBER: GALN-SA2B-735-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2	3505.2
2.5°	3473.9	3461.1	3421.7	3387.0	3376.5	3330.2	3261.8	3269.9	3220.0	3243.2	3218.9
5°	3426.4	3383.5	3282.6	3239.8	3127.3	3076.3	3041.5	2954.6	2914.0	2905.9	2871.2
7.5°	3304.7	3278.0	3151.7	3035.7	2916.4	2814.4	2683.4	2594.1	2530.4	2513.0	2462.0
10°	3208.5	3149.3	2974.3	2798.1	2627.7	2450.4	2280.0	2146.7	2081.8	2006.4	1980.9
12.5°	3113.4	3024.2	2787.7	2561.7	2341.4	2117.7	1911.4	1749.1	1607.7	1574.1	1562.5
15°	3054.3	2899.0	2620.8	2348.4	2035.4	1743.3	1537.0	1430.4	1343.4	1307.5	1333.0
17.5°	2976.6	2795.8	2460.8	2098.0	1753.8	1484.8	1312.1	1246.1	1214.8	1218.2	1207.8
20°	2879.3	2698.4	2251.0	1870.8	1502.2	1287.8	1189.3	1164.9	1169.6	1177.7	1174.2
22.5°	2809.7	2580.2	2099.2	1639.0	1298.2	1178.8	1138.3	1120.9	1135.9	1142.9	1137.1
25°	2756.4	2479.4	1914.9	1433.8	1180.0	1117.4	1098.9	1097.7	1120.9	1130.1	1124.4
27.5°	2707.7	2385.5	1731.7	1277.4	1101.2	1069.9	1064.1	1078.0	1093.1	1102.3	1110.4
30°	2678.7	2313.6	1560.2	1146.4	1061.8	1046.7	1036.3	1049.0	1057.1	1066.4	1061.8
32.5°	2706.6	2262.6	1394.4	1072.2	1029.3	1014.2	1028.1	1020.0	1033.9	1042.1	1029.3
35°	2793.5	2217.4	1276.2	1032.8	992.2	998.0	1000.3	996.8	1002.6	995.7	1010.8
37.5°	2879.3	2201.2	1167.2	999.2	974.8	974.8	972.5	965.6	977.1	974.8	981.8
40°	2988.2	2211.6	1074.5	963.2	958.6	956.3	947.0	945.8	941.2	942.4	944.7
42.5°	3083.3	2234.8	1021.2	940.1	943.5	948.2	930.8	916.9	922.7	911.1	911.1
45°	3184.1	2255.7	973.7	923.8	920.3	919.2	905.3	897.2	892.5	893.7	904.1
47.5°	3342.9	2285.8	937.7	901.8	904.1	886.7	883.3	872.8	877.5	884.4	885.6
50°	3455.4	2349.5	909.9	876.3	884.4	872.8	852.0	847.3	847.3	858.9	856.6
52.5°	3534.2	2438.8	883.3	848.5	852.0	842.7	835.7	825.3	818.3	834.6	842.7
55°	3775.3	2587.2	876.3	825.3	824.1	814.9	802.1	791.7	788.2	790.5	806.8
57.5°	3752.1	2540.8	854.3	784.7	782.4	769.7	756.9	753.4	752.3	754.6	759.2
60°	3046.2	1876.6	762.7	738.4	734.9	732.6	719.8	705.9	699.0	705.9	700.1
62.5°	2015.7	1256.5	672.3	682.7	685.0	679.2	658.4	644.5	646.8	654.9	642.2
65°	989.9	738.4	609.7	637.5	639.8	623.6	603.9	587.7	579.6	586.5	580.7
67.5°	565.7	564.5	558.7	587.7	586.5	570.3	539.0	525.1	511.2	513.5	510.0
70°	479.9	489.2	500.7	518.1	517.0	498.4	461.3	450.9	431.2	428.9	423.1
72.5°	377.9	394.1	419.6	432.4	421.9	398.7	374.4	357.0	339.6	329.2	332.7
75°	280.5	303.7	317.6	325.7	309.5	296.7	277.0	256.2	235.3	226.0	222.6
77.5°	204.0	211.0	223.7	229.5	219.1	206.3	194.7	173.9	154.2	141.4	137.9
80°	142.6	147.2	156.5	156.5	156.5	150.7	135.6	114.8	102.0	90.4	88.1
82.5°	99.7	104.3	113.6	109.0	107.8	100.8	91.6	75.3	61.4	53.3	51.0
85°	34.8	38.3	46.4	55.6	59.1	58.0	52.2	41.7	32.5	26.7	24.3
87.5°	8.1	8.1	9.3	8.1	8.1	9.3	8.1	8.1	8.1	5.8	4.6
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)