

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: P954841

Luminaire Tested: **GALN-SB8A-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB8A-722-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22900 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 227.1
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



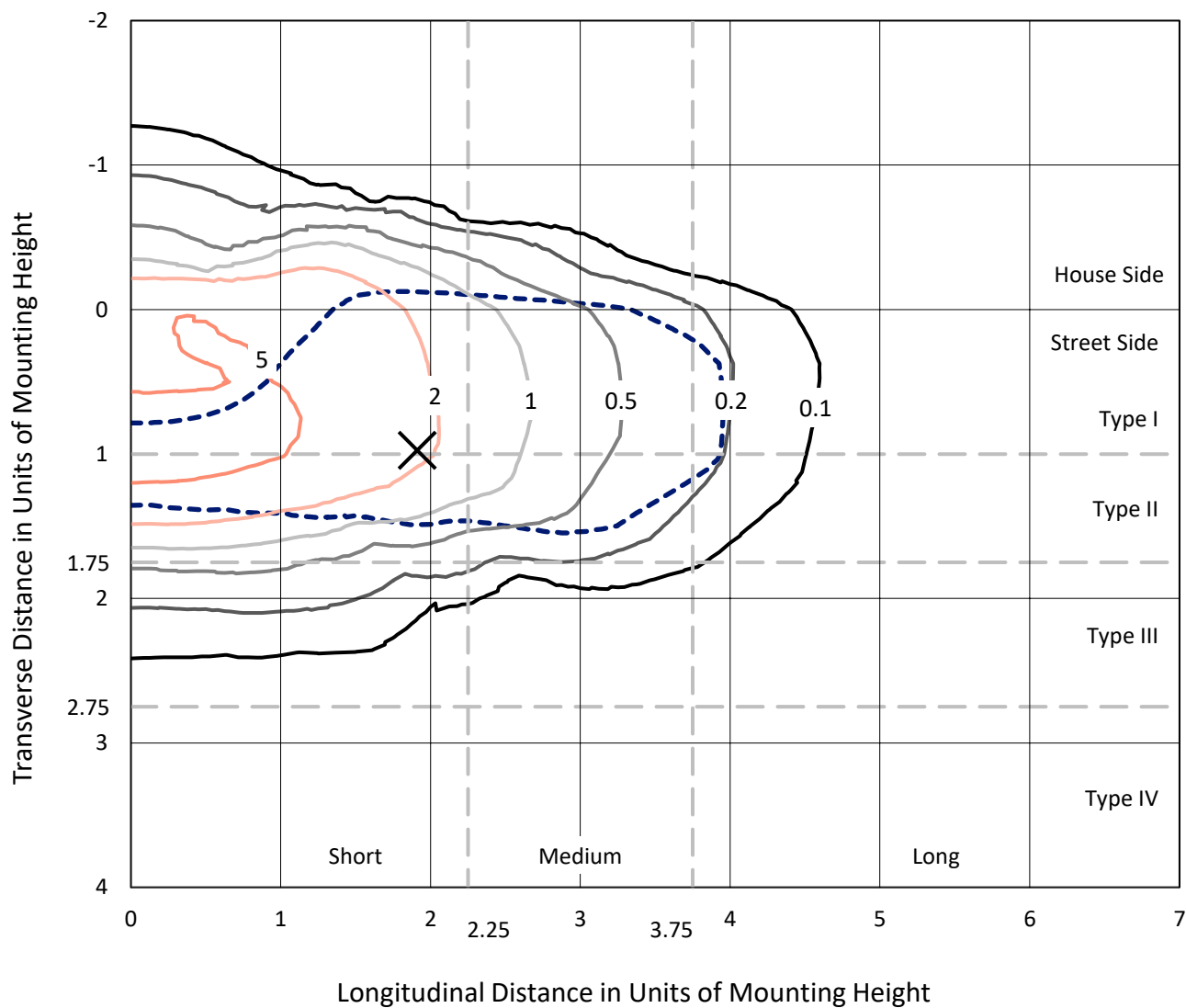
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Iso-Footcandle Lines of Horizontal Illumination

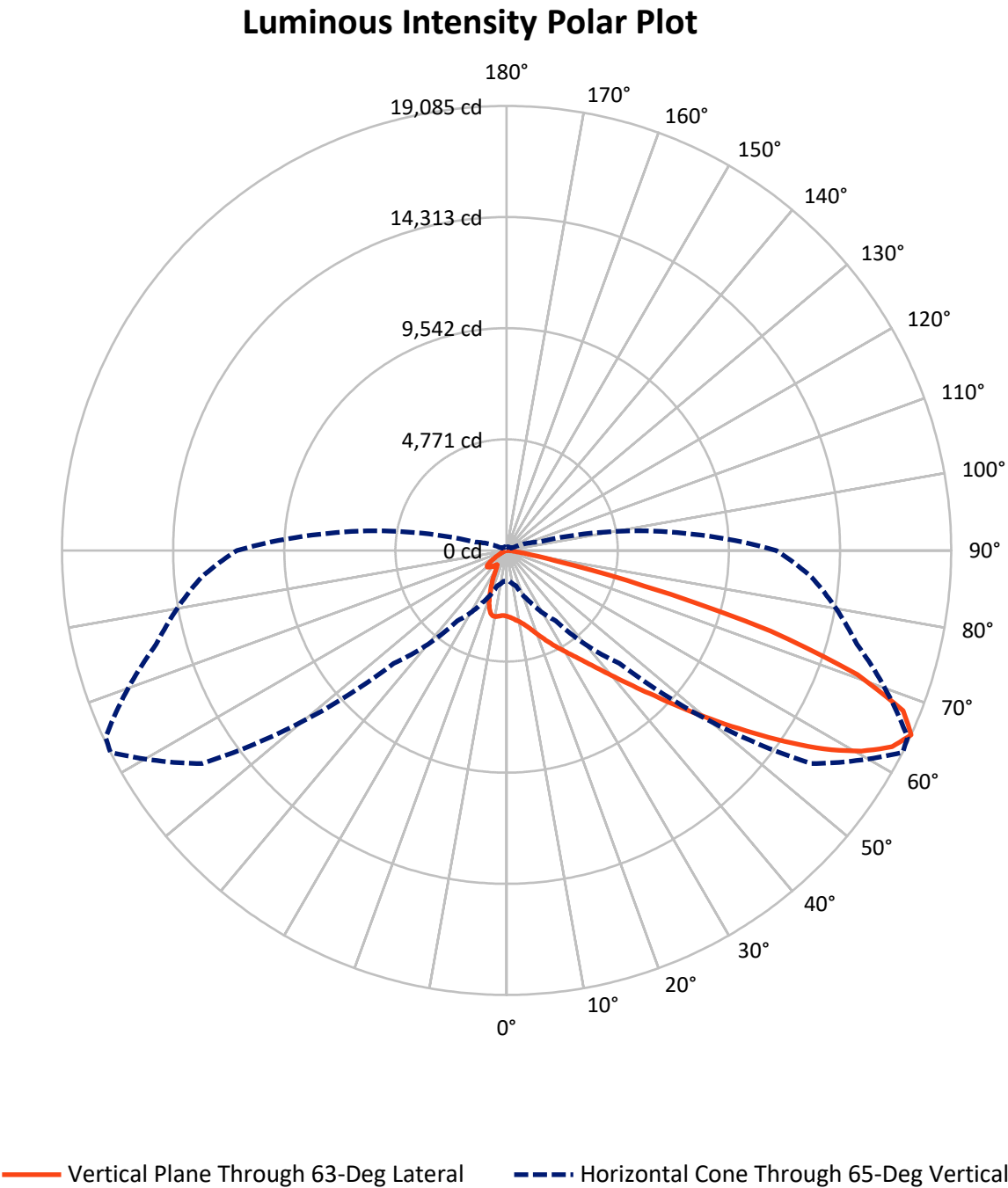
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type II - Short - N/A

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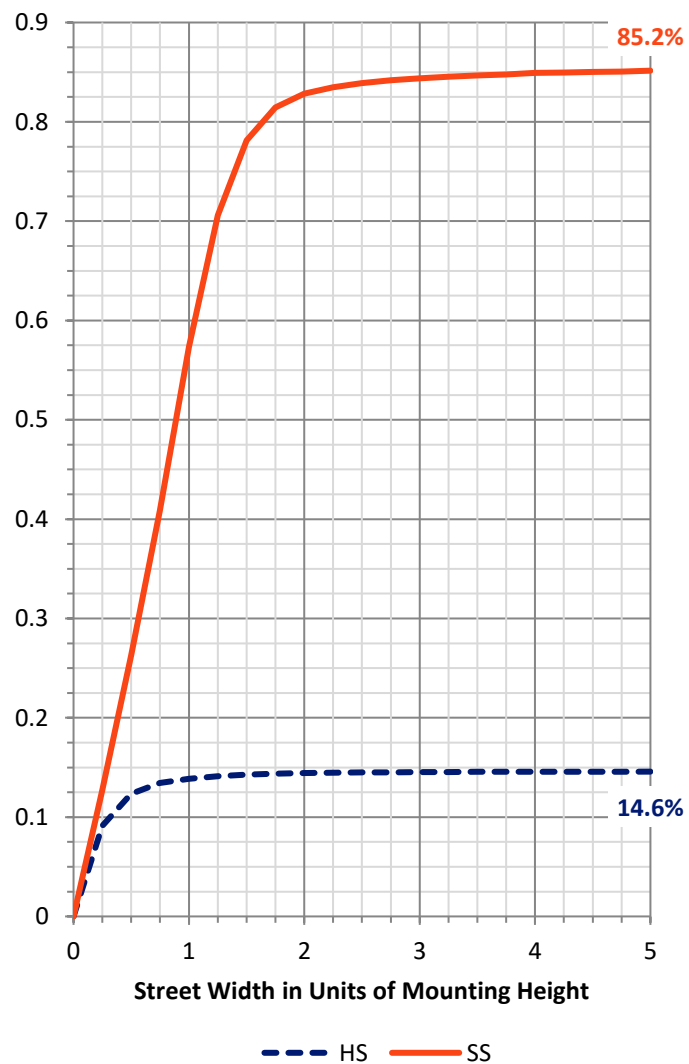
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3366.1	0.0	3366.1
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	19533.9	0.0	19533.9
	% Fixture	85.3	0.0	85.3
Total	Lumens	22900.0	0.0	22900.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.3	1.2
10°-20°	738.9	3.2
20°-30°	1286.5	5.6
30°-40°	2318.8	10.1
40°-50°	4599.0	20.1
50°-60°	6264.6	27.4
60°-70°	5000.4	21.8
70°-80°	2262.8	9.9
80°-90°	162.7	0.7
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°	22900.0	100.0
0°-180°	22900.0	100.0

Coefficient of Utilization



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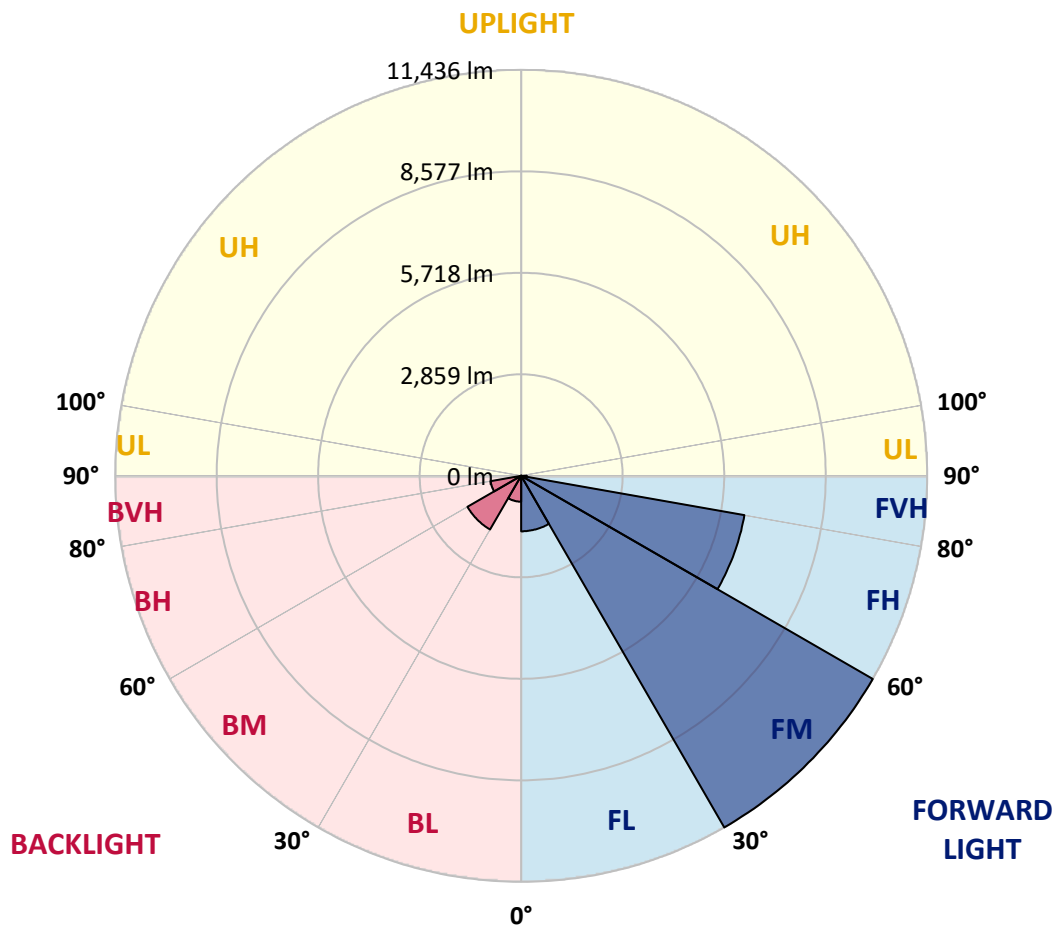
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1563.2	6.8			
FM	(30°-60°)	11435.7	49.9			
FH	(60°-80°)	6384.4	27.9			G3/7500
FVH	(80°-90°)	150.6	0.7			G2/225
BL	(0°-30°)	728.5	3.2	B2/1000		
BM	(30°-60°)	1746.8	7.6	B2/2500		
BH	(60°-80°)	878.8	3.8	B2/1000		G2/1000
BVH	(80°-90°)	12.1	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3
2.5°	2892.5	2884.6	2895.6	2890.9	2887.7	2881.4	2878.3	2875.1	2868.8	2864.1	2845.2
5°	2900.3	2895.6	2906.6	2916.1	2925.5	2935.0	2939.7	2946.0	2939.7	2927.1	2908.2
7.5°	2834.2	2831.0	2854.7	2883.0	2925.5	2961.8	3001.2	3023.2	3024.8	3020.1	2999.6
10°	2829.4	2821.6	2845.2	2879.9	2935.0	2999.6	3068.9	3116.2	3122.5	3143.0	3120.9
12.5°	2903.5	2895.6	2928.7	2966.5	3023.2	3091.0	3176.0	3242.2	3251.7	3280.0	3264.3
15°	3027.9	3016.9	3054.7	3103.6	3176.0	3253.2	3343.0	3402.9	3410.8	3445.4	3417.1
17.5°	3172.9	3161.9	3206.0	3258.0	3336.7	3442.3	3546.3	3612.4	3621.9	3643.9	3591.9
20°	3358.8	3344.6	3379.3	3426.5	3510.0	3636.1	3760.5	3855.0	3853.5	3853.5	3768.4
22.5°	3574.6	3552.6	3582.5	3620.3	3699.1	3851.9	4017.3	4129.2	4129.2	4085.0	3944.8
25°	3806.2	3784.1	3817.2	3851.9	3921.2	4094.5	4288.3	4426.9	4433.2	4357.6	4133.9
27.5°	4096.1	4067.7	4092.9	4133.9	4174.8	4351.3	4581.3	4742.0	4745.1	4628.6	4313.5
30°	4653.8	4573.4	4494.7	4450.5	4469.4	4644.3	4890.1	5068.1	5083.9	4923.2	4508.8
32.5°	5674.6	5658.9	5381.6	5019.3	4830.2	4959.4	5235.1	5449.4	5458.8	5252.4	4762.5
35°	7261.1	7242.2	6796.3	6106.3	5490.3	5381.6	5654.2	5907.8	5901.5	5668.3	5091.7
37.5°	9154.7	9137.4	8549.8	7626.6	6629.3	6019.7	6194.5	6460.8	6500.2	6194.5	5517.1
40°	10772.7	10708.1	10336.3	9446.2	8141.7	7078.3	6963.3	7139.8	7180.7	6818.4	6057.5
42.5°	11998.4	11943.2	11754.2	11198.0	9972.4	8644.3	7869.2	7936.9	7982.6	7547.8	6678.2
45°	12633.2	12620.6	12696.3	12644.3	11837.7	10566.3	9164.2	8882.2	8899.5	8356.0	7382.4
47.5°	12723.0	12716.7	13061.8	13550.1	13441.4	12734.1	10826.2	10060.6	9999.2	9268.2	8148.0
50°	12193.7	12181.1	12842.8	13758.1	14512.7	14555.2	12713.6	11388.7	11253.2	10211.8	8946.8
52.5°	10503.3	10500.1	11587.2	13110.6	14889.2	16149.6	14578.9	12847.5	12620.6	11210.6	9791.2
55°	8081.9	8140.2	9386.3	11187.0	14202.4	16916.8	16253.5	14467.0	14118.9	12215.8	10569.5
57.5°	5725.1	5810.1	7042.1	8645.9	12072.4	16463.1	17386.3	16089.7	15714.8	13217.7	11358.7
60°	3075.2	3150.8	4384.4	6298.5	8981.4	14771.1	17983.4	17498.1	17143.7	14169.3	12070.8
62.5°	1832.2	1857.4	2367.8	4066.1	6074.8	11284.7	17729.7	18571.0	18279.5	14968.0	12690.0
65°	1315.5	1320.2	1577.0	2482.9	3688.0	6856.2	15951.1	19084.6	18994.8	15569.8	13148.4
67.5°	1107.5	1104.4	1211.5	1649.5	2512.8	3434.4	12225.2	18358.3	18739.5	15951.1	13408.3
70°	950.0	954.7	1080.7	1208.3	1888.9	1944.1	6077.9	15984.2	16797.1	16051.9	13392.6
72.5°	707.4	723.1	839.7	1101.2	1425.7	1337.5	2098.5	11851.8	13321.7	15124.0	12697.8
75°	499.4	507.3	590.8	926.3	1063.4	973.6	1071.3	6126.8	8011.0	11595.0	10393.0
77.5°	384.4	398.6	447.4	647.5	1047.7	683.7	655.4	2120.5	3258.0	7004.3	7125.6
80°	208.0	233.2	323.0	467.9	735.7	483.7	324.5	844.4	1104.4	3275.3	2747.5
82.5°	107.1	119.7	225.3	337.1	419.1	422.2	160.7	351.3	455.3	1011.4	376.5
85°	42.5	52.0	151.2	185.9	215.8	208.0	72.5	141.8	163.8	280.4	115.0
87.5°	9.5	15.8	55.1	42.5	41.0	44.1	17.3	33.1	31.5	33.1	20.5
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°	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3	2826.3
2.5°	2843.6	2837.3	2820.0	2801.1	2779.0	2766.4	2758.5	2757.0	2745.9	2738.1	2745.9
5°	2890.9	2884.6	2851.5	2812.1	2769.6	2736.5	2705.0	2676.6	2635.7	2627.8	2624.6
7.5°	2985.4	2968.1	2914.5	2861.0	2780.6	2684.5	2567.9	2434.0	2314.3	2278.0	2260.7
10°	3102.0	3078.4	3010.6	2916.1	2738.1	2476.6	2194.6	1933.0	1725.1	1666.8	1644.7
12.5°	3234.3	3213.8	3124.0	2949.2	2560.0	2085.8	1654.2	1329.6	1128.0	1077.6	1063.4
15°	3391.9	3361.9	3237.5	2898.8	2241.8	1584.9	1135.9	943.7	871.2	861.8	852.3
17.5°	3558.9	3510.0	3338.3	2717.6	1813.3	1126.4	877.5	822.4	790.9	781.4	776.7
20°	3711.7	3648.7	3398.2	2443.5	1354.9	877.5	786.1	749.9	721.5	710.5	704.2
22.5°	3864.5	3774.7	3398.2	2070.1	1016.1	778.3	721.5	688.5	655.4	641.2	633.3
25°	4023.6	3903.9	3338.3	1654.2	817.6	713.7	660.1	623.9	595.5	578.2	571.9
27.5°	4178.0	4012.6	3201.2	1260.3	727.8	656.9	603.4	568.7	541.9	529.3	529.3
30°	4324.5	4119.7	3009.0	956.3	669.6	601.8	551.4	521.5	494.7	482.1	483.7
32.5°	4523.0	4255.2	2804.2	784.6	619.1	549.8	504.1	475.8	452.1	442.7	442.7
35°	4798.7	4455.3	2627.8	770.4	576.6	507.3	461.6	434.8	411.2	403.3	403.3
37.5°	5189.4	4778.2	2534.8	864.9	541.9	469.5	426.9	398.6	376.5	370.2	368.6
40°	5671.5	5216.2	2585.3	959.4	518.3	436.4	395.4	367.1	348.2	340.3	338.7
42.5°	6243.4	5756.6	2864.1	1031.9	502.6	408.0	365.5	334.0	321.4	318.2	318.2
45°	6900.3	6350.5	3291.0	1109.1	477.4	381.3	335.6	311.9	302.5	300.9	299.3
47.5°	7647.1	7002.7	3785.7	1205.2	452.1	356.0	311.9	296.2	288.3	285.1	285.1
50°	8387.5	7659.7	4294.6	1258.8	431.7	332.4	293.0	280.4	274.1	272.5	272.5
52.5°	9162.6	8335.5	4705.8	1208.3	414.3	313.5	277.3	267.8	261.5	259.9	259.9
55°	9901.5	8882.2	4776.7	1025.6	379.7	294.6	259.9	255.2	247.3	247.3	245.8
57.5°	10537.9	9156.3	4275.7	753.0	345.0	266.2	242.6	237.9	231.6	230.0	228.4
60°	11122.4	9077.5	3300.5	507.3	307.2	237.9	220.6	217.4	211.1	203.2	201.7
62.5°	11451.7	8730.9	2257.6	330.8	269.4	208.0	195.4	193.8	179.6	163.8	160.7
65°	11576.1	8018.9	1408.4	241.0	225.3	178.0	168.6	165.4	144.9	127.6	126.0
67.5°	11467.4	6846.7	710.5	190.6	178.0	148.1	138.6	138.6	124.5	108.7	107.1
70°	11032.6	5132.7	299.3	152.8	137.1	113.4	113.4	119.7	105.6	88.2	86.6
72.5°	10089.0	3453.3	159.1	116.6	102.4	80.3	92.9	97.7	83.5	66.2	66.2
75°	8020.4	2106.3	110.3	86.6	64.6	56.7	70.9	74.0	56.7	44.1	42.5
77.5°	5485.6	1209.9	74.0	55.1	41.0	33.1	48.8	45.7	29.9	20.5	22.1
80°	2408.8	504.1	42.5	25.2	15.8	12.6	17.3	12.6	9.5	6.3	6.3
82.5°	282.0	118.2	15.8	9.5	6.3	3.2	1.6	0.0	0.0	0.0	0.0
85°	58.3	14.2	7.9	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	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)