

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: P950915

Luminaire Tested: **GALN-SB5B-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23813 lumens
Efficiency: N/A
Efficacy: 130.3 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): 182.7
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

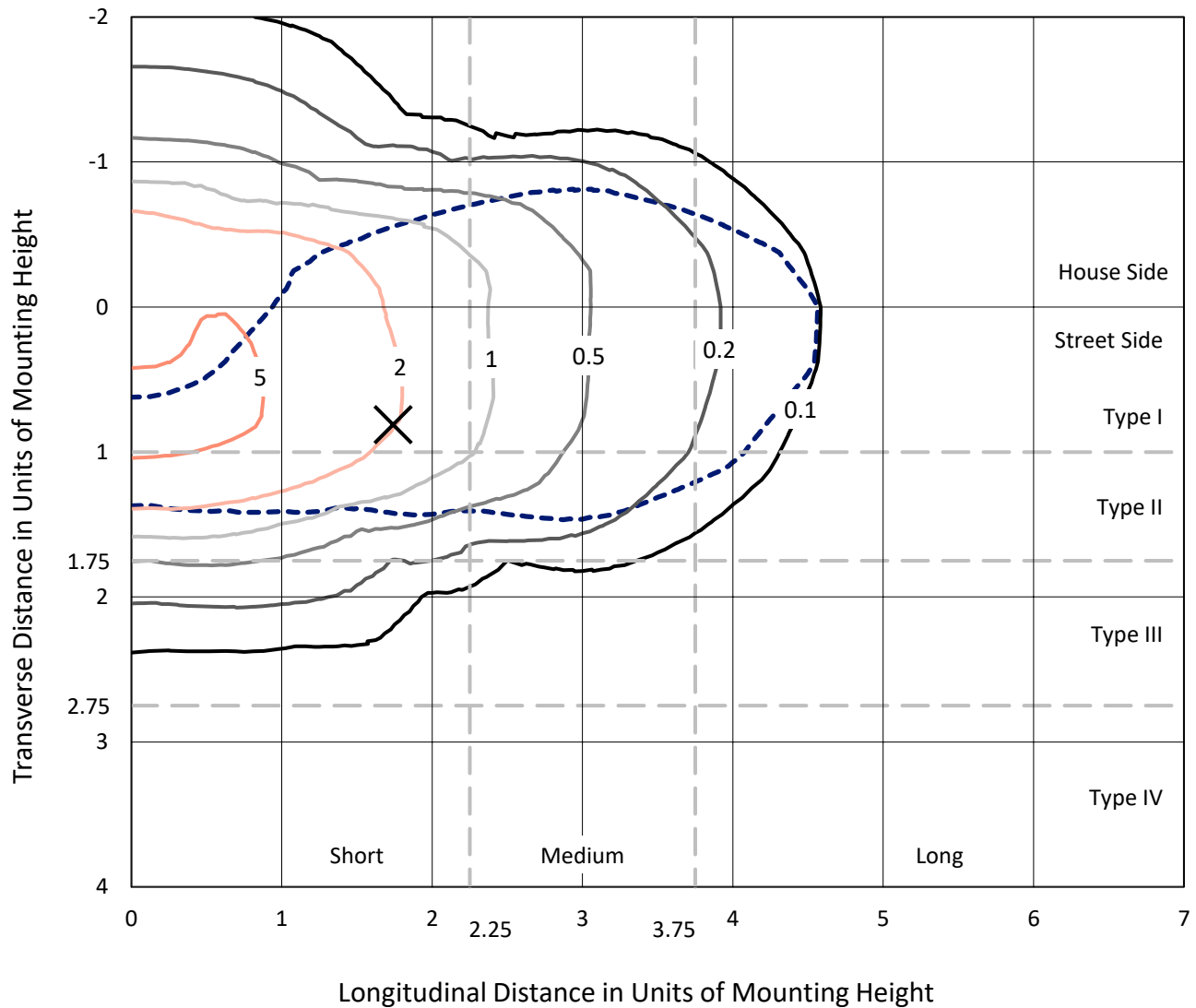


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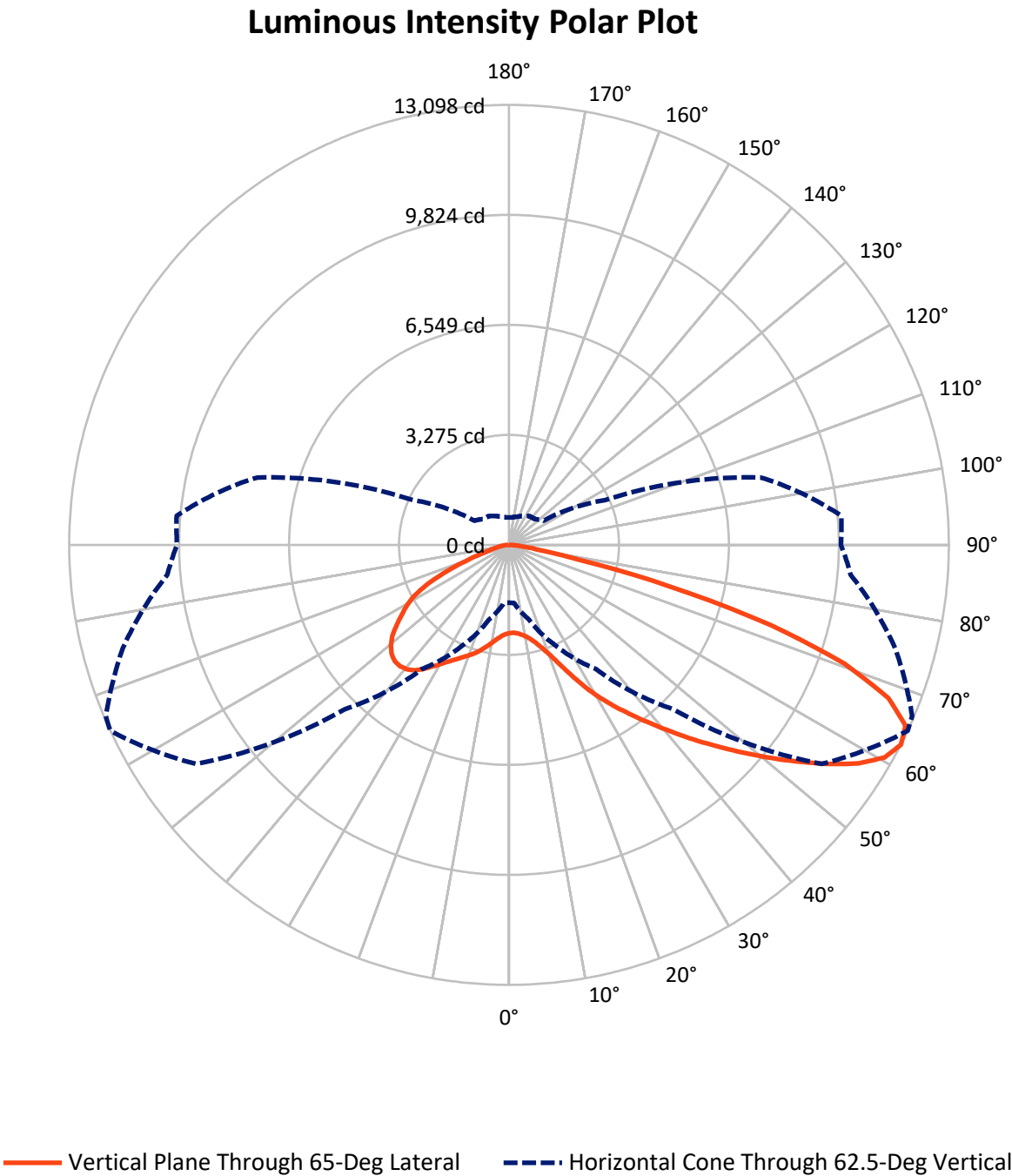
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7514.3	0.0	7514.3
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	16298.7	0.0	16298.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	23813.0	0.0	23813.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.6	1.1
10°-20°	887.2	3.7
20°-30°	1798.8	7.6
30°-40°	3112.9	13.1
40°-50°	4710.7	19.8
50°-60°	5523.0	23.2
60°-70°	4630.4	19.4
70°-80°	2556.3	10.7
80°-90°	332.1	1.4
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°	23813.0	100.0
0°-180°	23813.0	100.0

Coefficient of Utilization



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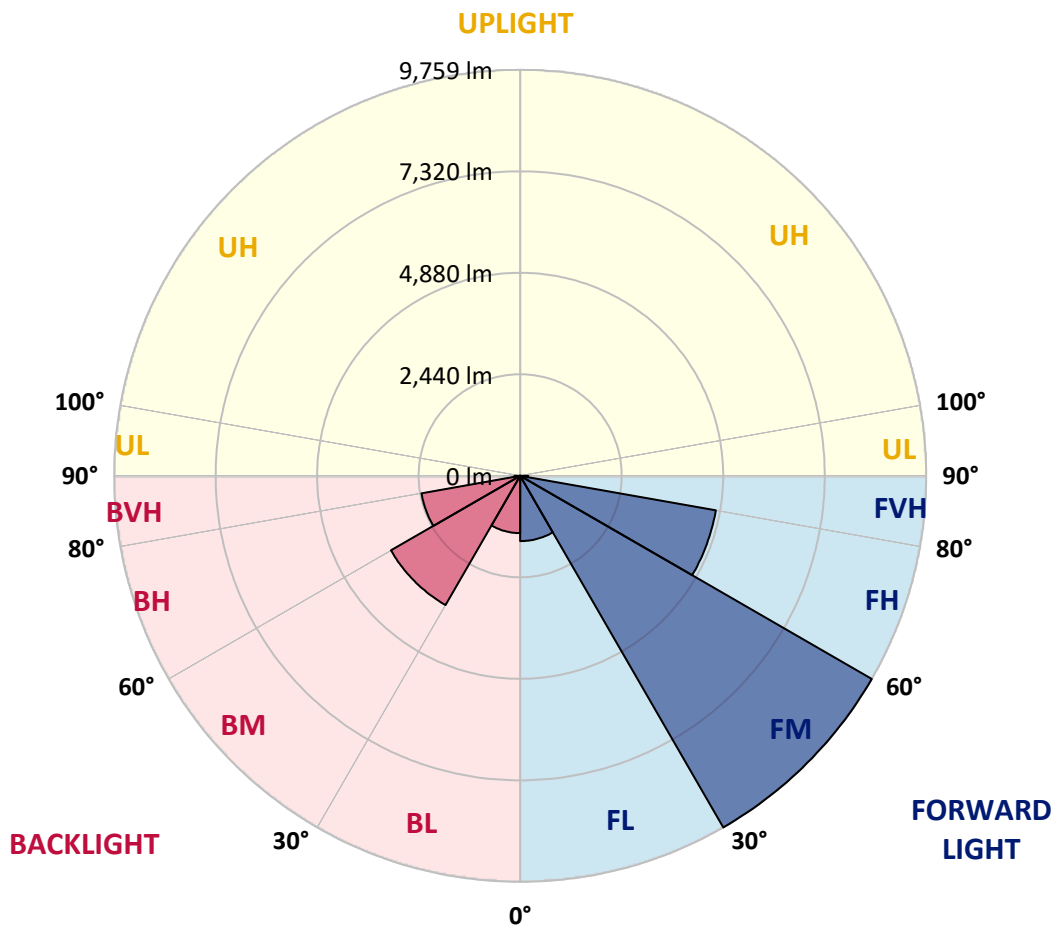
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1569.6	6.6			
FM	(30°-60°)	9759.3	41.0			
FH	(60°-80°)	4776.2	20.1			G2/5000
FVH	(80°-90°)	193.5	0.8			G2/225
BL	(0°-30°)	1378.0	5.8	B3/2500		
BM	(30°-60°)	3587.2	15.1	B3/5000		
BH	(60°-80°)	2410.5	10.1	B3/2500		G3/2500
BVH	(80°-90°)	138.5	0.6			G2/225
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°	67°	75°	85°
0°	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1
2.5°	2606.8	2599.4	2605.6	2605.6	2608.0	2606.8	2615.4	2617.9	2621.6	2629.0	2629.0
5°	2580.8	2579.6	2590.7	2600.6	2610.5	2619.1	2630.3	2646.3	2648.8	2657.4	2668.6
7.5°	2572.2	2564.8	2582.1	2594.4	2617.9	2638.9	2668.6	2695.7	2706.9	2710.6	2731.6
10°	2638.9	2626.6	2642.6	2650.0	2669.8	2690.8	2725.4	2768.6	2781.0	2795.8	2819.3
12.5°	2752.6	2739.0	2762.5	2773.6	2792.1	2810.6	2834.1	2876.1	2882.3	2909.5	2931.7
15°	2908.2	2892.2	2907.0	2920.6	2951.5	2968.8	2992.3	3033.0	3033.0	3054.0	3070.1
17.5°	3119.5	3098.5	3109.6	3114.6	3134.3	3160.3	3199.8	3235.6	3254.2	3246.8	3224.5
20°	3434.5	3408.6	3408.6	3383.9	3376.5	3397.5	3449.4	3498.8	3518.6	3480.3	3425.9
22.5°	3907.7	3870.7	3849.7	3765.6	3732.3	3734.8	3786.6	3847.2	3863.2	3795.3	3673.0
25°	4509.4	4451.3	4422.9	4299.4	4224.0	4158.5	4199.3	4277.1	4299.4	4215.3	4017.7
27.5°	5111.0	5114.8	5087.6	4939.3	4814.5	4694.7	4673.7	4755.2	4778.7	4683.6	4439.0
30°	5954.9	5867.1	5815.2	5637.3	5459.4	5291.4	5204.9	5238.3	5244.5	5130.8	4846.7
32.5°	6682.5	6660.3	6549.1	6393.4	6164.9	5901.7	5757.2	5704.1	5694.2	5532.3	5195.1
35°	7511.5	7499.2	7381.8	7196.5	6949.4	6583.7	6323.0	6171.1	6158.7	5931.4	5539.7
37.5°	8354.1	8354.1	8239.2	8036.6	7780.8	7323.7	6927.2	6686.2	6646.7	6350.2	5890.6
40°	9026.2	8985.4	9006.4	8921.2	8628.4	8142.8	7598.0	7248.4	7195.2	6839.4	6263.7
42.5°	9407.9	9394.3	9520.4	9615.5	9495.6	9107.7	8336.8	7857.4	7783.3	7378.1	6693.7
45°	9493.2	9478.3	9703.2	10051.6	10219.6	10060.2	9139.8	8498.6	8408.5	7941.5	7154.5
47.5°	9296.7	9267.1	9597.0	10146.7	10685.4	10965.8	10009.6	9194.2	9063.2	8490.0	7627.6
50°	8706.2	8677.8	9176.9	9907.0	10842.3	11581.1	10953.5	9931.8	9731.6	9078.1	8105.8
52.5°	7422.6	7436.2	8218.2	9221.4	10636.0	11964.1	11766.4	10708.9	10467.9	9679.7	8554.2
55°	5781.9	5811.5	6772.7	7877.2	9810.7	11906.0	12321.1	11509.4	11269.7	10245.6	9017.5
57.5°	4140.0	4270.9	5171.6	6265.0	8225.6	10985.6	12442.2	12270.5	12038.2	10863.3	9470.9
60°	2683.4	2706.9	3633.4	4735.5	6263.7	9349.9	12196.3	12847.4	12665.8	11493.4	9850.2
62.5°	1719.7	1735.8	2300.4	3312.2	4508.1	6917.3	11368.6	13098.2	13042.6	11909.7	10214.7
65°	1263.9	1251.5	1545.5	2189.2	3036.7	4266.0	9761.3	12977.1	13087.1	12170.4	10516.1
67.5°	1055.1	1037.8	1182.3	1515.9	2237.4	2422.7	7222.4	12190.2	12592.9	12140.7	10737.3
70°	961.2	946.4	1034.1	1125.5	1745.7	1622.1	3640.9	10597.7	11217.9	11803.5	10701.4
72.5°	814.2	788.2	908.1	999.5	1357.8	1244.1	1504.8	8140.4	8896.5	10722.4	10197.4
75°	631.3	614.0	716.6	879.6	1020.5	971.1	951.3	4943.0	5768.3	8292.3	8921.2
77.5°	500.4	476.9	570.8	685.7	917.9	732.6	693.1	2128.7	2946.5	5293.9	6675.1
80°	376.8	355.8	433.6	542.4	705.4	552.2	448.5	868.5	1110.7	2682.2	3356.7
82.5°	268.1	249.6	302.7	397.8	474.4	495.4	275.5	486.8	547.3	1034.1	749.9
85°	171.7	160.6	202.6	249.6	301.4	318.7	168.0	254.5	279.2	426.2	312.6
87.5°	93.9	76.6	108.7	116.1	139.6	127.3	80.3	92.7	100.1	154.4	132.2
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°	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1	2624.1
2.5°	2634.0	2637.7	2650.0	2653.7	2662.4	2673.5	2680.9	2688.3	2688.3	2695.7	2695.7
5°	2669.8	2678.4	2704.4	2718.0	2740.2	2762.5	2776.0	2792.1	2802.0	2806.9	2809.4
7.5°	2739.0	2752.6	2789.6	2813.1	2851.4	2882.3	2903.3	2925.5	2930.5	2944.1	2939.1
10°	2832.9	2848.9	2890.9	2935.4	2981.1	3019.4	3039.2	3055.3	3061.4	3063.9	3057.7
12.5°	2940.4	2963.8	3018.2	3072.6	3120.7	3154.1	3159.0	3155.3	3138.0	3123.2	3123.2
15°	3072.6	3093.6	3154.1	3213.4	3260.3	3266.5	3235.6	3215.9	3194.9	3191.2	3191.2
17.5°	3230.7	3241.8	3297.4	3355.5	3359.2	3338.2	3292.5	3273.9	3254.2	3240.6	3241.8
20°	3414.8	3411.1	3450.6	3475.3	3449.4	3385.1	3315.9	3285.1	3265.3	3249.2	3250.5
22.5°	3634.7	3606.3	3601.3	3595.2	3526.0	3391.3	3297.4	3257.9	3227.0	3204.7	3212.2
25°	3954.7	3845.9	3770.6	3728.6	3572.9	3357.9	3238.1	3150.4	3092.3	3054.0	3068.9
27.5°	4355.0	4172.1	3981.8	3879.3	3572.9	3290.0	3094.8	2952.7	2857.6	2818.1	2837.8
30°	4736.7	4545.2	4264.8	4060.9	3564.3	3178.8	2863.8	2666.1	2554.9	2515.4	2538.8
32.5°	5062.9	4854.1	4565.0	4259.8	3543.3	2998.4	2577.1	2358.5	2251.0	2204.0	2227.5
35°	5365.5	5143.2	4866.4	4478.5	3487.7	2734.0	2262.1	2095.3	1975.5	1900.1	1924.8
37.5°	5675.6	5411.3	5151.8	4676.2	3387.6	2425.2	2020.0	1877.9	1737.0	1635.7	1662.9
40°	6012.9	5696.6	5457.0	4793.5	3223.3	2131.1	1832.2	1702.4	1553.0	1445.5	1466.5
42.5°	6407.0	6038.9	5796.7	4854.1	2998.4	1922.4	1709.9	1582.6	1441.8	1354.0	1371.3
45°	6818.4	6415.7	6106.8	4852.8	2747.6	1824.8	1670.3	1544.3	1388.6	1297.2	1312.0
47.5°	7249.6	6809.8	6374.9	4773.8	2530.2	1838.3	1648.1	1461.5	1289.8	1200.9	1213.2
50°	7682.0	7241.0	6634.4	4625.5	2437.5	1808.7	1565.3	1345.4	1142.8	1062.5	1067.4
52.5°	8110.7	7699.3	6858.0	4414.3	2343.6	1698.7	1459.1	1194.7	1082.3	1026.7	1026.7
55°	8541.9	8152.7	7101.3	4106.6	2108.9	1570.3	1281.2	1137.8	1034.1	983.4	978.5
57.5°	8974.3	8676.5	7332.4	3799.0	1813.6	1412.1	1183.6	1068.7	985.9	942.6	935.2
60°	9424.0	9275.7	7570.8	3516.1	1522.1	1209.5	1111.9	1013.1	929.1	880.9	877.2
62.5°	9887.3	9935.5	7757.4	3151.6	1254.0	1086.0	1047.7	946.4	864.8	819.1	817.9
65°	10354.3	10571.7	7879.7	2646.3	1016.8	968.6	978.5	873.5	790.7	751.2	749.9
67.5°	10706.4	11030.1	7845.1	2002.7	833.9	857.4	892.0	796.9	719.0	688.1	689.4
70°	10745.9	10975.7	7504.1	1371.3	698.0	748.7	795.6	721.5	641.2	619.0	620.2
72.5°	10219.6	10234.4	6554.0	895.7	590.5	657.3	694.3	644.9	567.1	544.8	543.6
75°	8839.6	8464.0	4812.1	590.5	494.2	564.6	599.2	564.6	489.2	494.2	476.9
77.5°	6697.4	5994.4	2921.8	420.1	412.6	474.4	521.4	496.6	432.4	485.5	427.5
80°	3450.6	3243.0	1303.4	313.8	326.2	379.3	428.7	396.6	342.2	326.2	297.7
82.5°	790.7	919.2	513.9	224.9	236.0	273.0	327.4	297.7	245.9	207.6	205.1
85°	276.7	302.7	227.3	140.8	138.4	170.5	222.4	198.9	166.8	133.4	140.8
87.5°	87.7	114.9	85.2	56.8	59.3	76.6	102.5	93.9	77.8	50.7	53.1
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)