

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: P949844

Luminaire Tested: **GALN-SB4C-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949844
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-SB4C-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25127 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 200.7
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

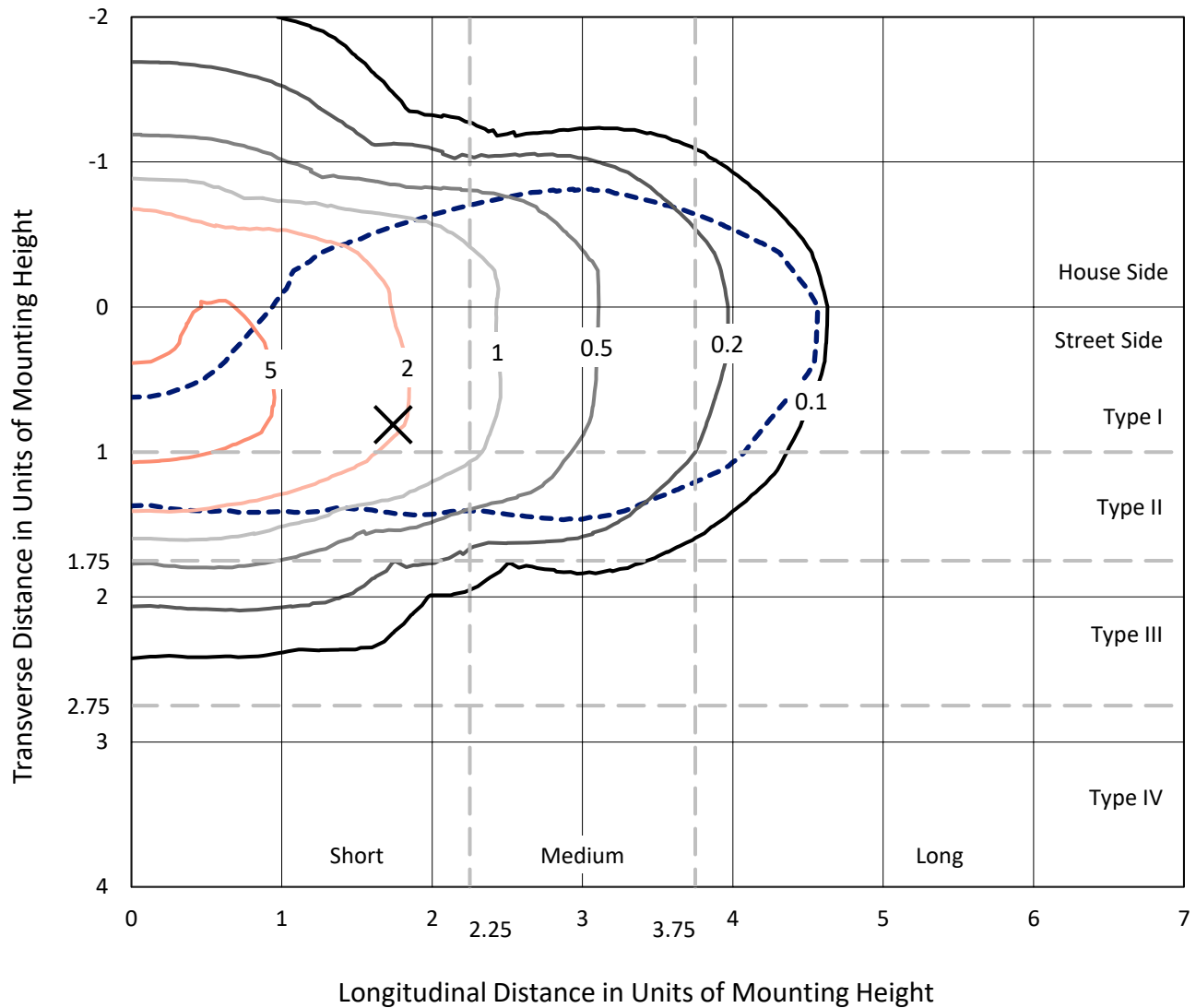


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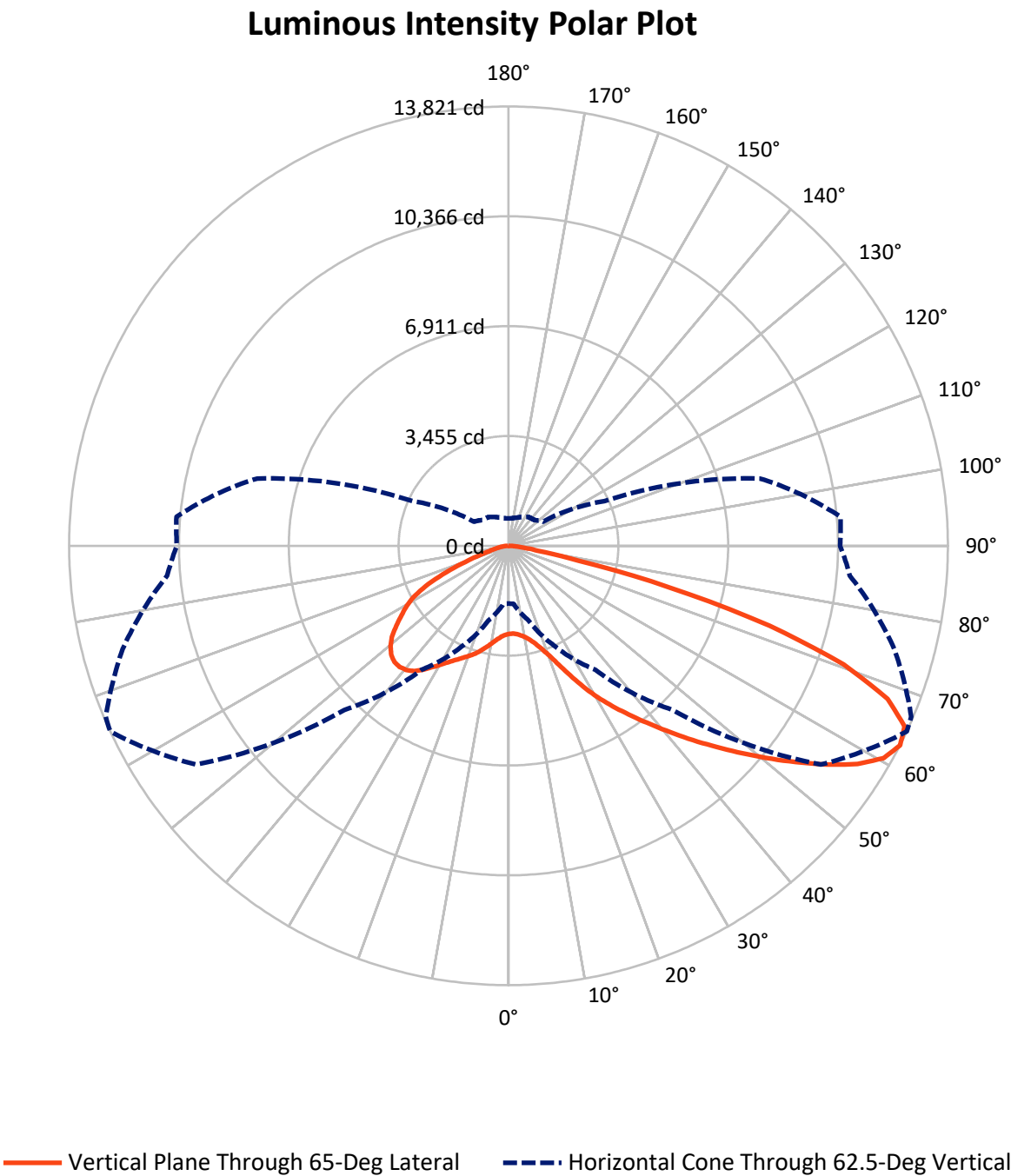
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7929.0	0.0	7929.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	17198.0	0.0	17198.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	25127.0	0.0	25127.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.1	1.1
10°-20°	936.1	3.7
20°-30°	1898.1	7.6
30°-40°	3284.6	13.1
40°-50°	4970.6	19.8
50°-60°	5827.8	23.2
60°-70°	4885.9	19.4
70°-80°	2697.4	10.7
80°-90°	350.4	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°	25127.0	100.0
0°-180°	25127.0	100.0

Coefficient of Utilization



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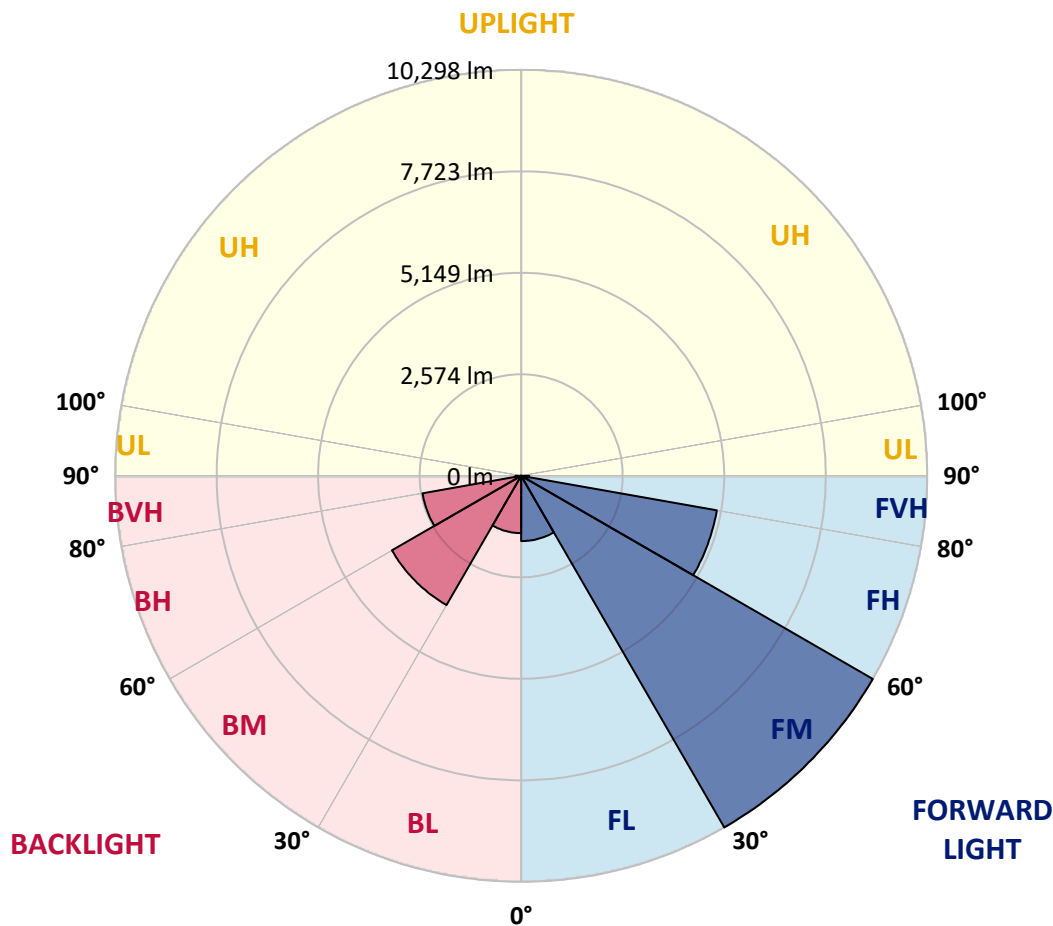
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1656.2	6.6			
FM	(30°-60°)	10297.9	41.0			
FH	(60°-80°)	5039.7	20.1			G3/7500
FVH	(80°-90°)	204.2	0.8			G2/225
BL	(0°-30°)	1454.1	5.8	B3/2500		
BM	(30°-60°)	3785.2	15.1	B3/5000		
BH	(60°-80°)	2543.6	10.1	B4/5000		G4/5000
BVH	(80°-90°)	146.2	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9
2.5°	2750.6	2742.8	2749.3	2749.3	2751.9	2750.6	2759.8	2762.4	2766.3	2774.1	2774.1
5°	2723.3	2722.0	2733.7	2744.1	2754.5	2763.7	2775.4	2792.4	2795.0	2804.1	2815.8
7.5°	2714.1	2706.3	2724.6	2737.6	2762.4	2784.5	2815.8	2844.5	2856.2	2860.1	2882.3
10°	2784.5	2771.5	2788.4	2796.3	2817.1	2839.3	2875.8	2921.4	2934.4	2950.1	2974.9
12.5°	2904.5	2890.1	2914.9	2926.6	2946.2	2965.7	2990.5	3034.8	3041.3	3070.0	3093.5
15°	3068.7	3051.8	3067.4	3081.8	3114.3	3132.6	3157.4	3200.4	3200.4	3222.5	3239.5
17.5°	3291.6	3269.5	3281.2	3286.4	3307.3	3334.7	3376.4	3414.2	3433.7	3425.9	3402.4
20°	3624.1	3596.7	3596.7	3570.6	3562.8	3585.0	3639.7	3691.8	3712.7	3672.3	3614.9
22.5°	4123.3	4084.2	4062.1	3973.4	3938.2	3940.8	3995.6	4059.5	4076.4	4004.7	3875.7
25°	4758.2	4696.9	4667.0	4536.6	4457.1	4388.0	4431.0	4513.1	4536.6	4447.9	4239.4
27.5°	5393.1	5397.0	5368.3	5211.9	5080.2	4953.8	4931.6	5017.6	5042.4	4942.0	4683.9
30°	6283.4	6190.9	6136.1	5948.4	5760.7	5583.4	5492.1	5527.3	5533.9	5413.9	5114.1
32.5°	7051.3	7027.8	6910.5	6746.2	6505.1	6227.4	6074.9	6018.8	6008.4	5837.6	5481.7
35°	7926.0	7913.0	7789.1	7593.6	7332.9	6947.0	6671.9	6511.6	6498.5	6258.7	5845.4
37.5°	8815.1	8815.1	8693.8	8480.0	8210.2	7727.9	7309.4	7055.2	7013.5	6700.6	6215.7
40°	9524.2	9481.2	9503.4	9413.4	9104.5	8592.2	8017.3	7648.3	7592.3	7216.8	6609.3
42.5°	9927.1	9912.7	10045.7	10146.1	10019.6	9610.3	8796.8	8291.0	8212.8	7785.2	7063.0
45°	10017.0	10001.4	10238.6	10606.2	10783.5	10615.4	9644.2	8967.6	8872.4	8379.7	7549.3
47.5°	9809.7	9778.4	10126.5	10706.6	11275.0	11570.9	10561.9	9701.5	9563.3	8958.5	8048.5
50°	9186.6	9156.6	9683.3	10453.7	11440.6	12220.1	11557.9	10479.8	10268.6	9579.0	8553.0
52.5°	7832.1	7846.5	8671.7	9730.2	11222.9	12624.2	12415.7	11299.8	11045.6	10213.9	9026.3
55°	6100.9	6132.2	7146.4	8311.9	10352.0	12563.0	13001.0	12144.5	11891.6	10810.9	9515.1
57.5°	4368.4	4506.6	5456.9	6610.7	8679.5	11591.8	13128.7	12947.5	12702.5	11462.7	9993.5
60°	2831.5	2856.2	3833.9	4996.8	6609.3	9865.8	12869.3	13556.3	13364.7	12127.6	10393.8
62.5°	1814.6	1831.6	2427.3	3495.0	4756.9	7299.0	11995.9	13821.0	13762.3	12566.9	10778.3
65°	1333.6	1320.6	1630.8	2310.0	3204.3	4501.4	10299.9	13693.2	13809.2	12841.9	11096.4
67.5°	1113.3	1095.0	1247.6	1599.5	2360.9	2556.4	7621.0	12862.8	13287.8	12810.7	11329.8
70°	1014.2	998.6	1091.1	1187.6	1842.0	1711.7	3841.8	11182.4	11836.9	12454.8	11291.9
72.5°	859.1	831.7	958.2	1054.6	1432.7	1312.7	1587.8	8589.5	9387.4	11314.1	10760.1
75°	666.1	647.9	756.1	928.2	1076.8	1024.6	1003.8	5215.8	6086.6	8749.9	9413.4
77.5°	528.0	503.2	602.3	723.5	968.6	773.0	731.3	2246.1	3109.1	5586.0	7043.5
80°	397.6	375.4	457.6	572.3	744.4	582.7	473.2	916.4	1172.0	2830.2	3541.9
82.5°	282.9	263.3	319.4	419.8	500.6	522.8	290.7	513.6	577.5	1091.1	791.3
85°	181.2	169.5	213.8	263.3	318.1	336.3	177.3	268.5	294.6	449.7	329.8
87.5°	99.1	80.8	114.7	122.5	147.3	134.3	84.7	97.8	105.6	163.0	139.5
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°	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9	2768.9
2.5°	2779.3	2783.2	2796.3	2800.2	2809.3	2821.0	2828.9	2836.7	2836.7	2844.5	2844.5
5°	2817.1	2826.2	2853.6	2868.0	2891.4	2914.9	2929.2	2946.2	2956.6	2961.8	2964.4
7.5°	2890.1	2904.5	2943.6	2968.3	3008.8	3041.3	3063.5	3087.0	3092.2	3106.5	3101.3
10°	2989.2	3006.1	3050.5	3097.4	3145.6	3186.0	3206.9	3223.8	3230.4	3233.0	3226.5
12.5°	3102.6	3127.4	3184.7	3242.1	3292.9	3328.1	3333.4	3329.4	3311.2	3295.5	3295.5
15°	3242.1	3264.3	3328.1	3390.7	3440.3	3446.8	3414.2	3393.3	3371.2	3367.2	3367.2
17.5°	3409.0	3420.7	3479.4	3540.6	3544.5	3522.4	3474.1	3454.6	3433.7	3419.4	3420.7
20°	3603.2	3599.3	3641.0	3667.1	3639.7	3571.9	3498.9	3466.3	3445.5	3428.5	3429.8
22.5°	3835.2	3805.3	3800.0	3793.5	3720.5	3578.4	3479.4	3437.6	3405.1	3381.6	3389.4
25°	4172.9	4058.2	3978.6	3934.3	3770.1	3543.2	3416.8	3324.2	3263.0	3222.5	3238.2
27.5°	4595.3	4402.3	4201.6	4093.4	3770.1	3471.5	3265.6	3115.6	3015.3	2973.6	2994.4
30°	4998.1	4796.0	4500.1	4285.0	3760.9	3354.2	3021.8	2813.2	2695.9	2654.2	2678.9
32.5°	5342.2	5121.9	4816.9	4494.9	3738.8	3163.9	2719.3	2488.6	2375.2	2325.7	2350.4
35°	5661.6	5427.0	5135.0	4725.6	3680.1	2884.9	2386.9	2210.9	2084.5	2005.0	2031.0
37.5°	5988.8	5709.9	5436.1	4934.2	3574.5	2559.0	2131.4	1981.5	1832.9	1726.0	1754.7
40°	6344.7	6011.0	5758.1	5058.0	3401.1	2248.7	1933.3	1796.4	1638.6	1525.2	1547.4
42.5°	6760.6	6372.1	6116.6	5121.9	3163.9	2028.4	1804.2	1669.9	1521.3	1428.8	1447.0
45°	7194.7	6769.7	6443.8	5120.6	2899.2	1925.4	1762.5	1629.5	1465.3	1368.8	1384.4
47.5°	7649.6	7185.5	6726.7	5037.2	2669.8	1939.8	1739.0	1542.2	1361.0	1267.1	1280.2
50°	8105.9	7640.5	7000.4	4880.7	2572.0	1908.5	1651.7	1419.6	1205.8	1121.1	1126.3
52.5°	8558.3	8124.2	7236.4	4657.8	2473.0	1792.5	1539.6	1260.6	1142.0	1083.3	1083.3
55°	9013.2	8602.6	7493.2	4333.2	2225.3	1656.9	1351.9	1200.6	1091.1	1037.7	1032.5
57.5°	9469.5	9155.3	7737.0	4008.6	1913.7	1490.0	1248.9	1127.6	1040.3	994.7	986.8
60°	9944.0	9787.6	7988.6	3710.1	1606.1	1276.2	1173.3	1069.0	980.3	929.5	925.6
62.5°	10432.9	10483.7	8185.4	3325.5	1323.2	1145.9	1105.5	998.6	912.5	864.3	863.0
65°	10925.6	11155.1	8314.5	2792.4	1072.9	1022.0	1032.5	921.7	834.3	792.6	791.3
67.5°	11297.2	11638.7	8278.0	2113.2	879.9	904.7	941.2	840.8	758.7	726.1	727.4
70°	11338.9	11581.3	7918.2	1447.0	736.5	790.0	839.5	761.3	676.6	653.1	654.4
72.5°	10783.5	10799.2	6915.7	945.1	623.1	693.5	732.6	680.5	598.4	574.9	573.6
75°	9327.4	8931.1	5077.6	623.1	521.4	595.8	632.3	595.8	516.2	521.4	503.2
77.5°	7066.9	6325.2	3083.1	443.2	435.4	500.6	550.1	524.1	456.3	512.3	451.1
80°	3641.0	3422.0	1375.3	331.1	344.2	400.2	452.4	418.5	361.1	344.2	314.2
82.5°	834.3	969.9	542.3	237.3	249.0	288.1	345.5	314.2	259.4	219.0	216.4
85°	292.0	319.4	239.9	148.6	146.0	179.9	234.7	209.9	176.0	140.8	148.6
87.5°	92.6	121.2	89.9	60.0	62.6	80.8	108.2	99.1	82.1	53.4	56.1
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)