

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: P941607

Luminaire Tested: **GALN-SB5B-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
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-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

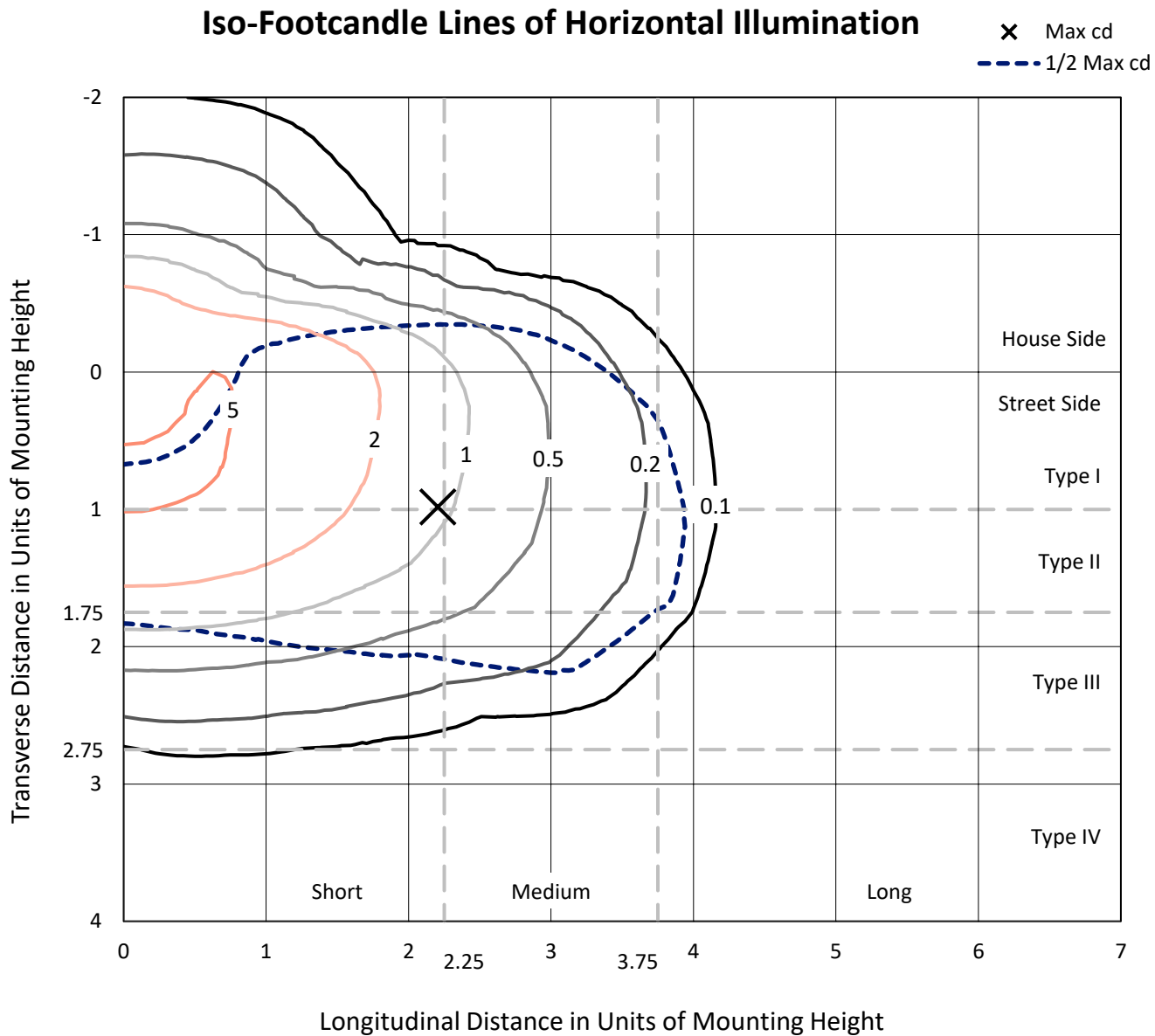
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23514 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - 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

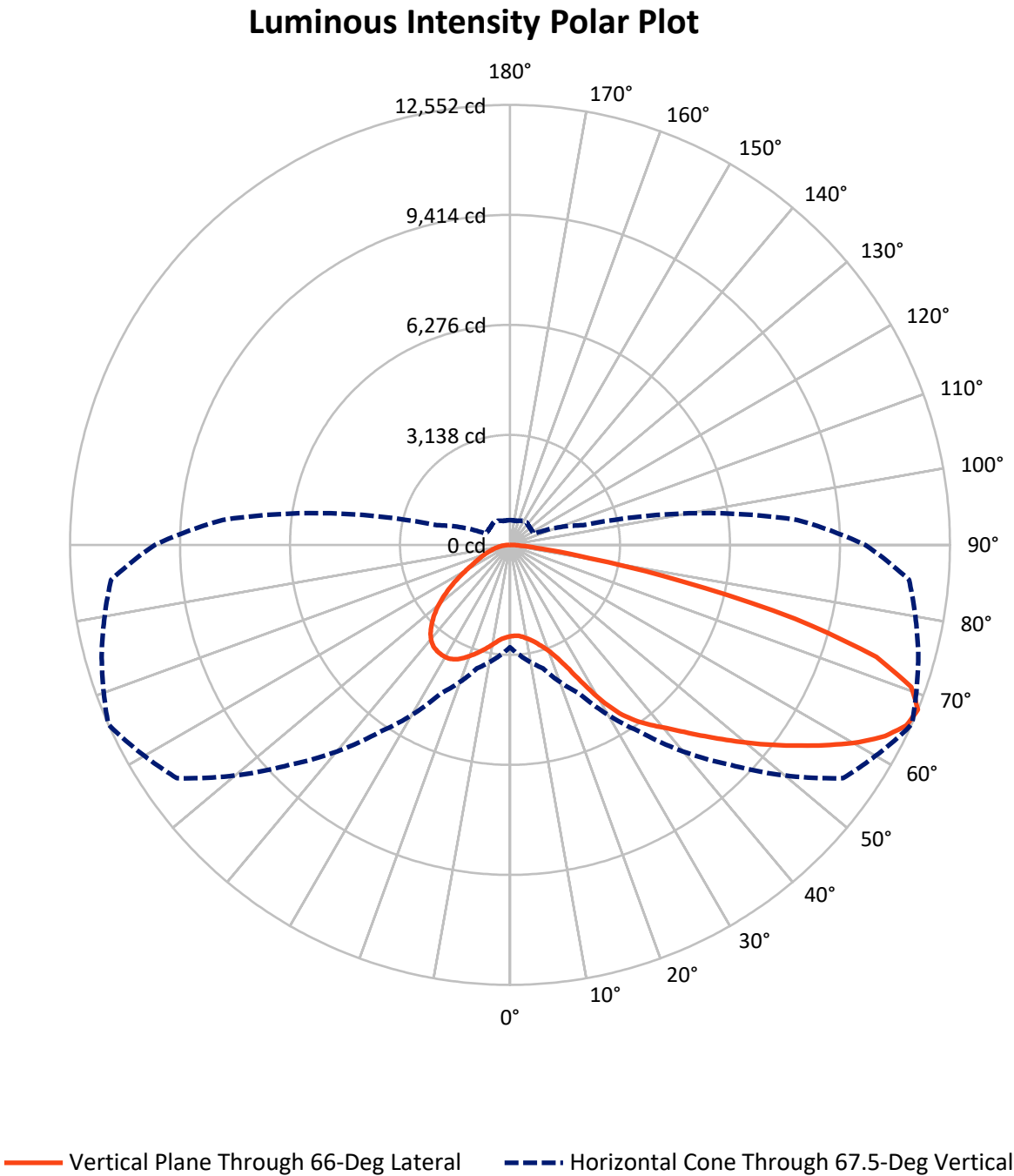


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Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5846.7	0.0	5846.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	17667.3	0.0	17667.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	23514.0	0.0	23514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.6	1.1
10°-20°	854.3	3.6
20°-30°	1646.6	7.0
30°-40°	2887.1	12.3
40°-50°	4292.2	18.3
50°-60°	5440.8	23.1
60°-70°	5323.6	22.6
70°-80°	2539.4	10.8
80°-90°	271.4	1.2
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°	23514.0	100.0
0°-180°	23514.0	100.0

Coefficient of Utilization



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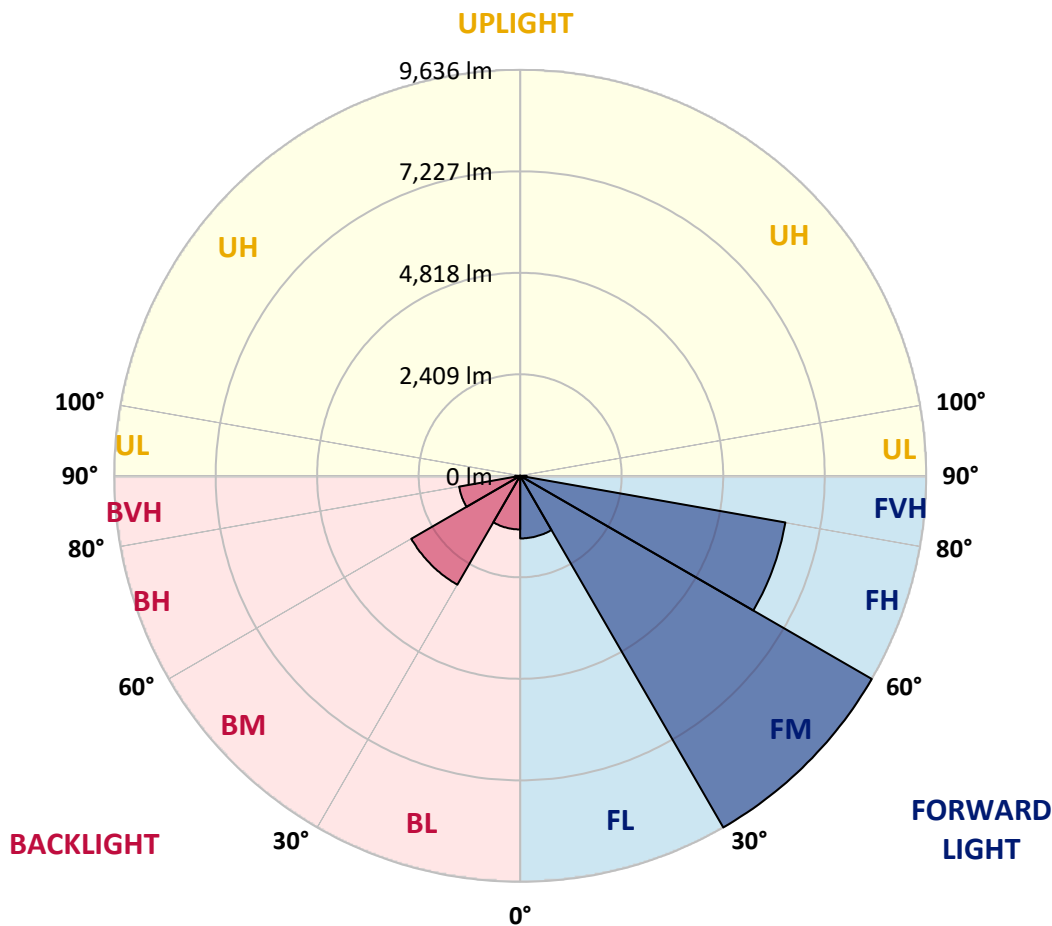
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1485.9	6.3			
FM	(30°-60°)	9635.8	41.0			
FH	(60°-80°)	6391.7	27.2			G3/7500
FVH	(80°-90°)	153.9	0.7			G2/225
BL	(0°-30°)	1273.6	5.4	B3/2500		
BM	(30°-60°)	2984.2	12.7	B3/5000		
BH	(60°-80°)	1471.3	6.3	B3/2500		G3/2500
BVH	(80°-90°)	117.5	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0
2.5°	2580.8	2595.7	2592.0	2585.8	2584.5	2587.0	2590.7	2594.4	2593.2	2599.4	2609.2
5°	2573.4	2588.2	2587.0	2587.0	2592.0	2601.8	2608.0	2614.2	2608.0	2615.4	2629.0
7.5°	2578.4	2589.5	2594.4	2599.4	2611.7	2630.3	2645.1	2658.7	2651.3	2659.9	2677.2
10°	2641.4	2650.0	2655.0	2655.0	2663.6	2684.6	2699.4	2724.1	2718.0	2731.6	2753.8
12.5°	2756.3	2764.9	2764.9	2760.0	2766.1	2779.7	2784.7	2811.9	2800.7	2823.0	2845.2
15°	2897.1	2914.4	2900.8	2892.2	2894.6	2908.2	2907.0	2928.0	2916.9	2935.4	2955.2
17.5°	3052.8	3075.0	3052.8	3051.5	3046.6	3061.4	3062.7	3081.2	3061.4	3075.0	3088.6
20°	3236.9	3267.7	3249.2	3255.4	3244.3	3250.4	3256.6	3283.8	3252.9	3262.8	3259.1
22.5°	3496.3	3533.4	3513.6	3537.1	3529.7	3524.7	3523.5	3571.7	3523.5	3527.2	3491.4
25°	3874.3	3918.8	3884.2	3916.3	3916.3	3932.4	3950.9	4012.7	3932.4	3908.9	3816.3
27.5°	4432.8	4477.2	4409.3	4429.1	4422.9	4462.4	4442.6	4595.8	4509.4	4471.1	4284.5
30°	5104.8	5183.9	5055.4	5050.5	5044.3	5107.3	5135.7	5237.0	5149.3	5111.0	4886.2
32.5°	5831.3	5914.1	5760.9	5716.4	5692.9	5731.2	5707.7	5789.3	5728.7	5669.4	5391.5
35°	6599.7	6681.3	6535.5	6449.0	6355.1	6274.8	6190.8	6211.8	6155.0	6064.8	5776.9
37.5°	7326.2	7475.6	7321.2	7228.6	7055.6	6898.7	6664.0	6566.4	6513.2	6430.5	6140.1
40°	8066.2	8151.4	8034.1	7955.0	7767.2	7521.4	7145.8	6939.5	6867.8	6787.5	6541.7
42.5°	8611.0	8692.6	8629.5	8575.2	8428.2	8142.8	7657.3	7399.0	7295.3	7205.1	6996.3
45°	9043.4	9104.0	9064.4	9084.2	9021.2	8744.4	8187.3	7892.0	7784.5	7674.6	7510.2
47.5°	9217.6	9281.9	9344.9	9462.2	9569.7	9365.9	8756.8	8425.7	8312.0	8199.6	8037.8
50°	9197.8	9263.3	9446.2	9695.7	10029.3	9961.4	9357.2	8994.0	8889.0	8760.5	8611.0
52.5°	9039.7	9113.8	9348.6	9763.7	10294.9	10407.3	9968.8	9580.8	9482.0	9328.8	9179.3
55°	8624.6	8669.1	9021.2	9609.3	10357.9	10718.7	10568.0	10206.0	10107.1	9893.4	9730.3
57.5°	7854.9	7919.2	8431.9	9192.9	10199.8	10929.9	11094.2	10863.2	10768.1	10460.5	10290.0
60°	6850.5	6953.1	7539.9	8493.6	9797.0	10928.7	11572.4	11509.4	11430.3	11018.9	10841.0
62.5°	5713.9	5832.5	6397.1	7505.3	9092.8	10618.6	11871.3	12050.5	12009.7	11534.1	11306.7
65°	4388.3	4469.8	5031.9	6226.6	7997.0	9952.7	11905.9	12419.9	12427.3	11925.7	11550.1
67.5°	2921.8	3156.5	3644.5	4672.4	6529.3	8864.3	11602.0	12480.4	12552.1	12060.4	11427.8
70°	1425.7	1734.6	2212.7	3036.7	4672.4	7195.2	10807.6	11983.8	12143.1	11667.5	10698.9
72.5°	591.8	691.8	952.5	1498.6	2682.1	4855.3	9211.4	10637.1	10932.4	10338.2	8995.2
75°	399.0	432.4	544.8	768.4	1221.8	2394.3	6643.0	7931.5	8407.2	7808.0	6382.3
77.5°	307.6	328.6	396.6	537.4	726.4	905.6	3555.6	4779.9	5025.8	4652.7	3320.9
80°	242.1	258.2	296.5	391.6	515.2	484.3	1212.0	2165.7	2307.8	1935.9	1067.4
82.5°	210.0	216.2	212.5	265.6	342.2	282.9	397.8	799.3	882.1	640.0	348.4
85°	152.0	169.3	176.7	164.3	181.6	143.3	163.1	282.9	311.3	278.0	196.4
87.5°	61.8	91.4	112.4	106.2	66.7	40.8	50.7	82.8	95.1	103.8	64.2
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°	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0	2608.0
2.5°	2610.5	2619.1	2625.3	2632.7	2637.7	2645.1	2659.9	2668.5	2669.8	2676.0	2674.7
5°	2634.0	2646.3	2659.9	2679.7	2701.9	2720.4	2748.9	2768.6	2776.0	2782.2	2781.0
7.5°	2684.6	2701.9	2726.6	2761.2	2793.3	2818.0	2852.6	2876.1	2899.6	2908.2	2909.5
10°	2760.0	2784.7	2820.5	2867.5	2902.0	2934.2	2970.0	2989.8	3013.2	3023.1	3028.1
12.5°	2853.9	2879.8	2926.8	2992.2	3024.4	3046.6	3058.9	3054.0	3058.9	3067.6	3070.1
15°	2961.3	2989.8	3042.9	3113.3	3135.5	3115.8	3088.6	3063.9	3060.2	3062.7	3071.3
17.5°	3088.6	3109.6	3171.4	3230.7	3214.6	3133.1	3073.8	3034.2	3014.5	3008.3	3016.9
20°	3266.5	3266.5	3317.2	3354.2	3246.7	3108.4	3015.7	2951.5	2910.7	2893.4	2889.7
22.5°	3482.7	3462.9	3495.1	3469.1	3240.6	3039.2	2910.7	2799.5	2737.7	2713.0	2709.3
25°	3757.0	3733.5	3724.9	3564.2	3196.1	2929.2	2720.4	2585.8	2531.4	2517.8	2520.3
27.5°	4170.8	4111.5	3999.1	3616.1	3114.5	2756.3	2498.1	2373.3	2342.4	2343.6	2347.3
30°	4721.9	4603.2	4327.7	3624.8	2981.1	2511.6	2270.7	2181.8	2167.0	2173.1	2194.1
32.5°	5232.1	5119.7	4663.8	3585.2	2776.0	2272.0	2066.9	2007.6	1985.4	1992.8	2002.6
35°	5632.4	5601.5	4975.1	3529.7	2524.0	2047.1	1884.0	1833.4	1790.2	1780.3	1787.7
37.5°	6010.4	5998.1	5208.6	3451.8	2274.4	1887.8	1737.0	1670.3	1607.3	1572.7	1574.0
40°	6425.5	6413.2	5361.8	3332.0	2053.3	1749.4	1604.8	1517.1	1439.3	1376.3	1382.5
42.5°	6892.5	6819.6	5434.7	3160.3	1865.5	1632.0	1497.4	1378.8	1276.2	1218.1	1221.8
45°	7402.8	7238.4	5433.5	2941.6	1707.4	1524.5	1382.5	1214.4	1119.3	1064.9	1062.5
47.5°	7943.9	7638.7	5366.8	2699.4	1554.2	1405.9	1204.6	1076.1	1013.1	979.7	972.3
50°	8502.3	8013.1	5253.1	2421.5	1397.3	1271.3	1093.4	1005.6	957.5	926.6	915.5
52.5°	9027.4	8352.8	5116.0	2106.4	1237.9	1140.3	1043.9	976.0	925.3	890.8	875.9
55°	9515.4	8645.6	4922.0	1784.0	1108.2	1052.6	1020.5	963.6	905.6	864.8	848.7
57.5°	9949.0	8835.9	4587.2	1481.3	1015.5	992.1	995.8	942.6	875.9	841.3	819.1
60°	10309.7	8975.5	4091.8	1200.8	940.2	932.8	957.5	903.1	825.3	785.7	768.4
62.5°	10525.9	8973.0	3483.9	983.4	875.9	878.4	906.8	853.7	774.6	737.6	726.4
65°	10507.4	8753.1	2816.8	841.3	814.2	816.6	853.7	799.3	732.6	710.4	709.1
67.5°	10135.5	8216.9	2160.8	748.7	746.2	757.3	800.6	762.3	706.7	704.2	707.9
70°	9128.7	7103.8	1556.7	674.6	675.8	691.8	748.7	738.8	693.1	698.0	696.8
72.5°	7320.0	5416.2	1045.2	596.7	598.0	623.9	699.3	720.3	679.5	745.0	754.9
75°	4875.0	3377.7	672.1	513.9	515.2	548.5	656.0	684.4	642.4	742.5	748.7
77.5°	2342.4	1518.4	486.8	432.4	432.4	463.3	567.1	612.8	547.3	577.0	528.8
80°	809.2	570.8	383.0	348.4	341.0	362.0	478.1	531.2	471.9	434.9	407.7
82.5°	318.7	296.5	307.6	270.6	245.9	259.4	371.9	438.6	347.2	313.8	312.6
85°	182.8	192.7	217.4	179.1	142.1	159.4	273.0	315.0	261.9	231.0	236.0
87.5°	49.4	67.9	100.1	92.7	64.2	67.9	129.7	174.2	150.7	116.1	119.8
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)