

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: P951986

Luminaire Tested: **GALN-SB6A-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951986
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-SB6A-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22772 lumens
Efficiency: N/A
Efficacy: 133.2 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): 170.9
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

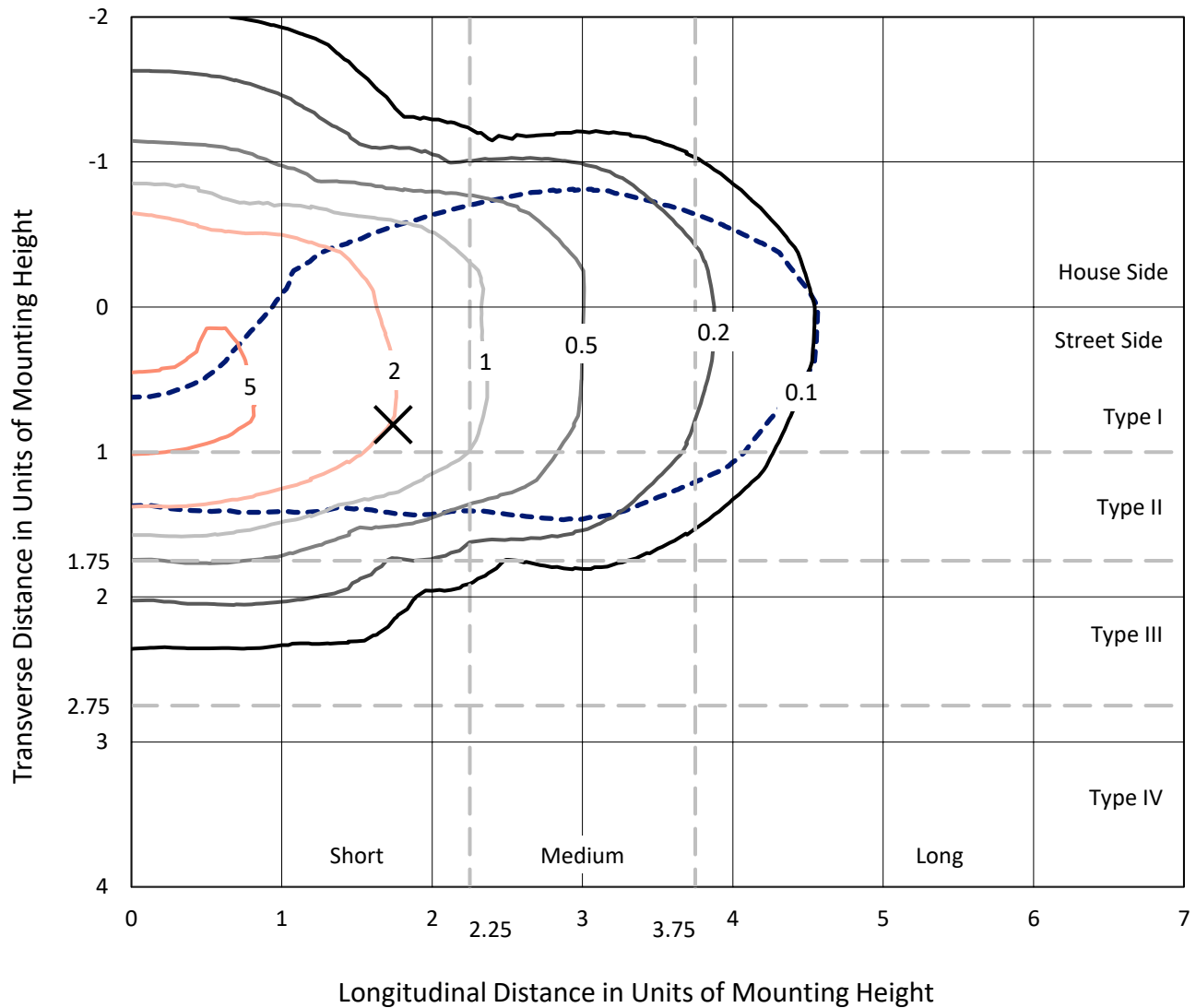


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Iso-Footcandle Lines of Horizontal Illumination

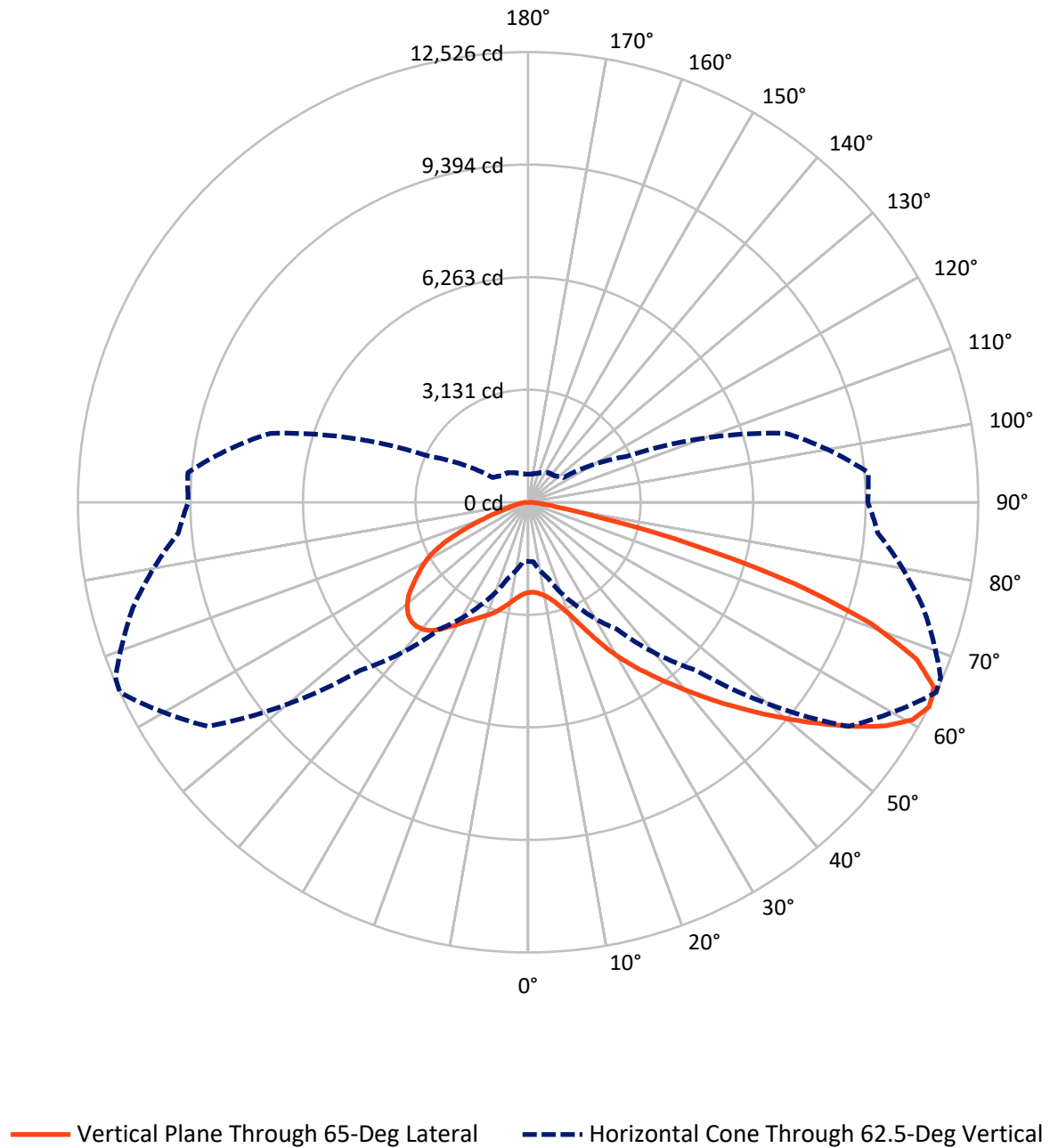
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7185.9	0.0	7185.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	15586.2	0.0	15586.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	22772.0	0.0	22772.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.2	1.1
10°-20°	848.4	3.7
20°-30°	1720.2	7.6
30°-40°	2976.8	13.1
40°-50°	4504.8	19.8
50°-60°	5281.6	23.2
60°-70°	4428.0	19.4
70°-80°	2444.6	10.7
80°-90°	317.5	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°	22772.0	100.0
0°-180°	22772.0	100.0

Coefficient of Utilization



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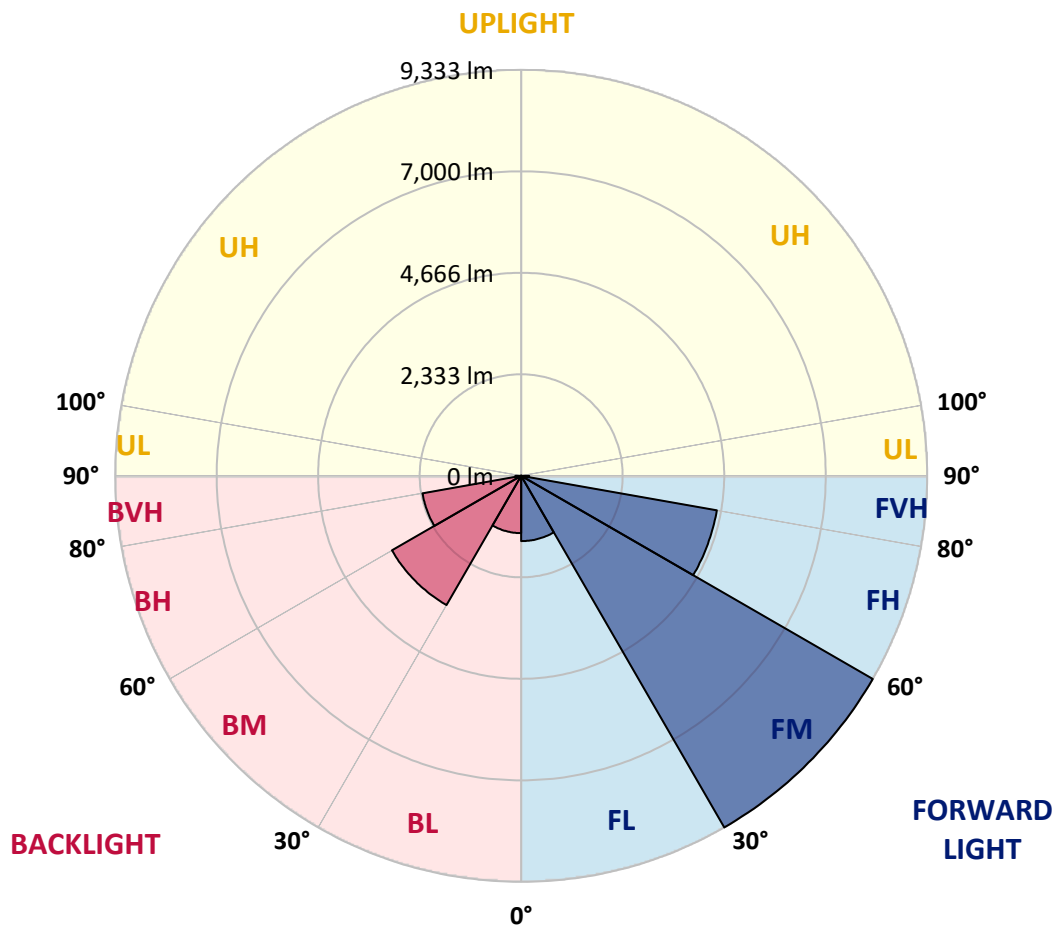
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1501.0	6.6			
FM	(30°-60°)	9332.7	41.0			
FH	(60°-80°)	4567.4	20.1			G2/5000
FVH	(80°-90°)	185.1	0.8			G2/225
BL	(0°-30°)	1317.8	5.8	B3/2500		
BM	(30°-60°)	3430.4	15.1	B3/5000		
BH	(60°-80°)	2305.2	10.1	B3/2500		G3/2500
BVH	(80°-90°)	132.5	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°	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4
2.5°	2492.8	2485.7	2491.7	2491.7	2494.0	2492.8	2501.1	2503.5	2507.0	2514.1	2514.1
5°	2468.0	2466.8	2477.5	2486.9	2496.4	2504.6	2515.3	2530.6	2533.0	2541.3	2551.9
7.5°	2459.8	2452.7	2469.2	2481.0	2503.5	2523.6	2551.9	2577.9	2588.5	2592.1	2612.2
10°	2523.6	2511.7	2527.1	2534.2	2553.1	2573.2	2606.3	2647.6	2659.4	2673.6	2696.0
12.5°	2632.2	2619.2	2641.7	2652.3	2670.1	2687.8	2710.2	2750.4	2756.3	2782.3	2803.6
15°	2781.1	2765.7	2779.9	2792.9	2822.5	2839.0	2861.4	2900.4	2900.4	2920.5	2935.9
17.5°	2983.1	2963.0	2973.7	2978.4	2997.3	3022.1	3059.9	3094.2	3111.9	3104.8	3083.6
20°	3284.4	3259.6	3259.6	3236.0	3228.9	3249.0	3298.6	3345.8	3364.7	3328.1	3276.1
22.5°	3736.9	3701.4	3681.4	3601.0	3569.1	3571.5	3621.1	3679.0	3694.4	3629.4	3512.4
25°	4312.3	4256.7	4229.6	4111.4	4039.3	3976.7	4015.7	4090.1	4111.4	4031.1	3842.0
27.5°	4887.6	4891.2	4865.2	4723.4	4604.1	4489.5	4469.4	4547.4	4569.8	4478.8	4244.9
30°	5694.5	5610.7	5561.0	5390.9	5220.8	5060.1	4977.4	5009.3	5015.2	4906.5	4634.8
32.5°	6390.4	6369.1	6262.8	6113.9	5895.4	5643.7	5505.5	5454.7	5445.3	5290.5	4967.9
35°	7183.1	7171.3	7059.1	6881.9	6645.6	6295.9	6046.6	5901.3	5889.5	5672.1	5297.6
37.5°	7988.9	7988.9	7879.0	7685.3	7440.7	7003.6	6624.3	6393.9	6356.1	6072.6	5633.1
40°	8631.6	8592.6	8612.7	8531.2	8251.2	7786.9	7265.8	6931.5	6880.7	6540.4	5989.9
42.5°	8996.7	8983.7	9104.2	9195.1	9080.5	8709.6	7972.3	7513.9	7443.1	7055.6	6401.0
45°	9078.2	9064.0	9279.0	9612.2	9772.9	9620.5	8740.3	8127.1	8040.9	7594.3	6841.7
47.5°	8890.3	8862.0	9177.4	9703.2	10218.3	10486.4	9572.0	8792.3	8667.0	8118.8	7294.2
50°	8325.6	8298.4	8775.7	9474.0	10368.3	11074.8	10474.6	9497.6	9306.2	8681.2	7751.4
52.5°	7098.1	7111.1	7858.9	8818.3	10171.0	11441.1	11252.0	10240.7	10010.3	9256.6	8180.3
55°	5529.1	5557.5	6476.6	7532.9	9381.8	11385.5	11782.5	11006.3	10777.1	9797.7	8623.3
57.5°	3959.0	4084.2	4945.5	5991.1	7866.0	10505.4	11898.3	11734.0	11511.9	10388.4	9056.9
60°	2566.1	2588.5	3474.6	4528.5	5989.9	8941.1	11663.2	12285.8	12112.1	10990.9	9419.6
62.5°	1644.6	1659.9	2199.8	3167.4	4311.1	6614.9	10871.6	12525.6	12472.4	11389.1	9768.1
65°	1208.6	1196.8	1478.0	2093.5	2904.0	4079.5	9334.5	12409.8	12515.0	11638.4	10056.4
67.5°	1008.9	992.4	1130.6	1449.6	2139.6	2316.8	6906.7	11657.3	12042.4	11610.0	10267.9
70°	919.2	905.0	988.9	1076.3	1669.4	1551.2	3481.7	10134.4	10727.5	11287.5	10233.6
72.5°	778.6	753.8	868.4	955.8	1298.4	1189.7	1439.0	7784.5	8507.5	10253.7	9751.6
75°	603.7	587.2	685.2	841.2	975.9	928.6	909.7	4726.9	5516.1	7929.8	8531.2
77.5°	478.5	456.0	545.8	655.7	877.8	700.6	662.8	2035.6	2817.7	5062.5	6383.3
80°	360.3	340.3	414.7	518.7	674.6	528.1	428.9	830.6	1062.1	2564.9	3210.0
82.5°	256.4	238.7	289.5	380.4	453.7	473.8	263.5	465.5	523.4	988.9	717.1
85°	164.2	153.6	193.8	238.7	288.3	304.8	160.7	243.4	267.0	407.6	298.9
87.5°	89.8	73.2	104.0	111.1	133.5	121.7	76.8	88.6	95.7	147.7	126.4
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°	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4	2509.4
2.5°	2518.8	2522.4	2534.2	2537.7	2546.0	2556.6	2563.7	2570.8	2570.8	2577.9	2577.9
5°	2553.1	2561.4	2586.2	2599.2	2620.4	2641.7	2654.7	2670.1	2679.5	2684.2	2686.6
7.5°	2619.2	2632.2	2667.7	2690.1	2726.8	2756.3	2776.4	2797.6	2802.4	2815.4	2810.6
10°	2709.0	2724.4	2764.6	2807.1	2850.8	2887.4	2906.3	2921.7	2927.6	2930.0	2924.1
12.5°	2811.8	2834.3	2886.3	2938.2	2984.3	3016.2	3020.9	3017.4	3000.9	2986.7	2986.7
15°	2938.2	2958.3	3016.2	3072.9	3117.8	3123.7	3094.2	3075.3	3055.2	3051.7	3051.7
17.5°	3089.5	3100.1	3153.3	3208.8	3212.3	3192.2	3148.5	3130.8	3111.9	3098.9	3100.1
20°	3265.5	3262.0	3299.8	3323.4	3298.6	3237.1	3171.0	3141.4	3122.5	3107.2	3108.4
22.5°	3475.8	3448.6	3443.9	3438.0	3371.8	3243.0	3153.3	3115.5	3085.9	3064.7	3071.7
25°	3781.8	3677.8	3605.8	3565.6	3416.7	3211.2	3096.6	3012.7	2957.1	2920.5	2934.7
27.5°	4164.6	3989.7	3807.8	3709.7	3416.7	3146.2	2959.5	2823.6	2732.7	2694.9	2713.8
30°	4529.6	4346.5	4078.3	3883.4	3408.5	3039.8	2738.6	2549.5	2443.2	2405.4	2427.9
32.5°	4841.5	4641.9	4365.4	4073.6	3388.4	2867.4	2464.5	2255.4	2152.6	2107.7	2130.1
35°	5131.0	4918.3	4653.7	4282.7	3335.2	2614.5	2163.2	2003.7	1889.1	1817.1	1840.7
37.5°	5427.5	5174.7	4926.6	4471.7	3239.5	2319.2	1931.7	1795.8	1661.1	1564.2	1590.2
40°	5750.1	5447.6	5218.4	4584.0	3082.4	2038.0	1752.1	1628.0	1485.1	1382.3	1402.4
42.5°	6126.9	5774.9	5543.3	4641.9	2867.4	1838.3	1635.1	1513.4	1378.7	1294.9	1311.4
45°	6520.4	6135.2	5839.9	4640.7	2627.5	1745.0	1597.3	1476.8	1327.9	1240.5	1254.7
47.5°	6932.7	6512.1	6096.2	4565.1	2419.6	1758.0	1576.0	1397.6	1233.4	1148.4	1160.2
50°	7346.2	6924.4	6344.3	4423.3	2331.0	1729.6	1496.9	1286.6	1092.8	1016.0	1020.8
52.5°	7756.1	7362.7	6558.2	4221.3	2241.2	1624.5	1395.3	1142.5	1034.9	981.8	981.8
55°	8168.5	7796.3	6790.9	3927.1	2016.7	1501.6	1225.2	1088.1	988.9	940.4	935.7
57.5°	8582.0	8297.2	7011.8	3632.9	1734.4	1350.4	1131.8	1021.9	942.8	901.4	894.3
60°	9012.0	8870.2	7239.9	3362.4	1455.5	1156.6	1063.3	968.8	888.4	842.4	838.8
62.5°	9455.1	9501.1	7418.3	3013.8	1199.2	1038.5	1001.9	905.0	827.0	783.3	782.1
65°	9901.6	10109.6	7535.2	2530.6	972.3	926.2	935.7	835.3	756.1	718.3	717.1
67.5°	10238.3	10547.9	7502.1	1915.1	797.5	819.9	853.0	762.0	687.6	658.1	659.2
70°	10276.2	10495.9	7176.1	1311.4	667.5	716.0	760.8	690.0	613.2	591.9	593.1
72.5°	9772.9	9787.0	6267.5	856.5	564.7	628.5	664.0	616.7	542.3	521.0	519.8
75°	8453.2	8094.0	4601.7	564.7	472.6	539.9	573.0	539.9	467.8	472.6	456.0
77.5°	6404.6	5732.3	2794.1	401.7	394.6	453.7	498.6	474.9	413.5	464.3	408.8
80°	3299.8	3101.3	1246.4	300.1	311.9	362.7	410.0	379.2	327.3	311.9	284.7
82.5°	756.1	879.0	491.5	215.0	225.7	261.1	313.1	284.7	235.1	198.5	196.1
85°	264.6	289.5	217.4	134.7	132.3	163.0	212.7	190.2	159.5	127.6	134.7
87.5°	83.9	109.9	81.5	54.3	56.7	73.2	98.1	89.8	74.4	48.4	50.8
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)