

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: P950919

Luminaire Tested: **GALN-SB5B-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
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-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23452 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

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

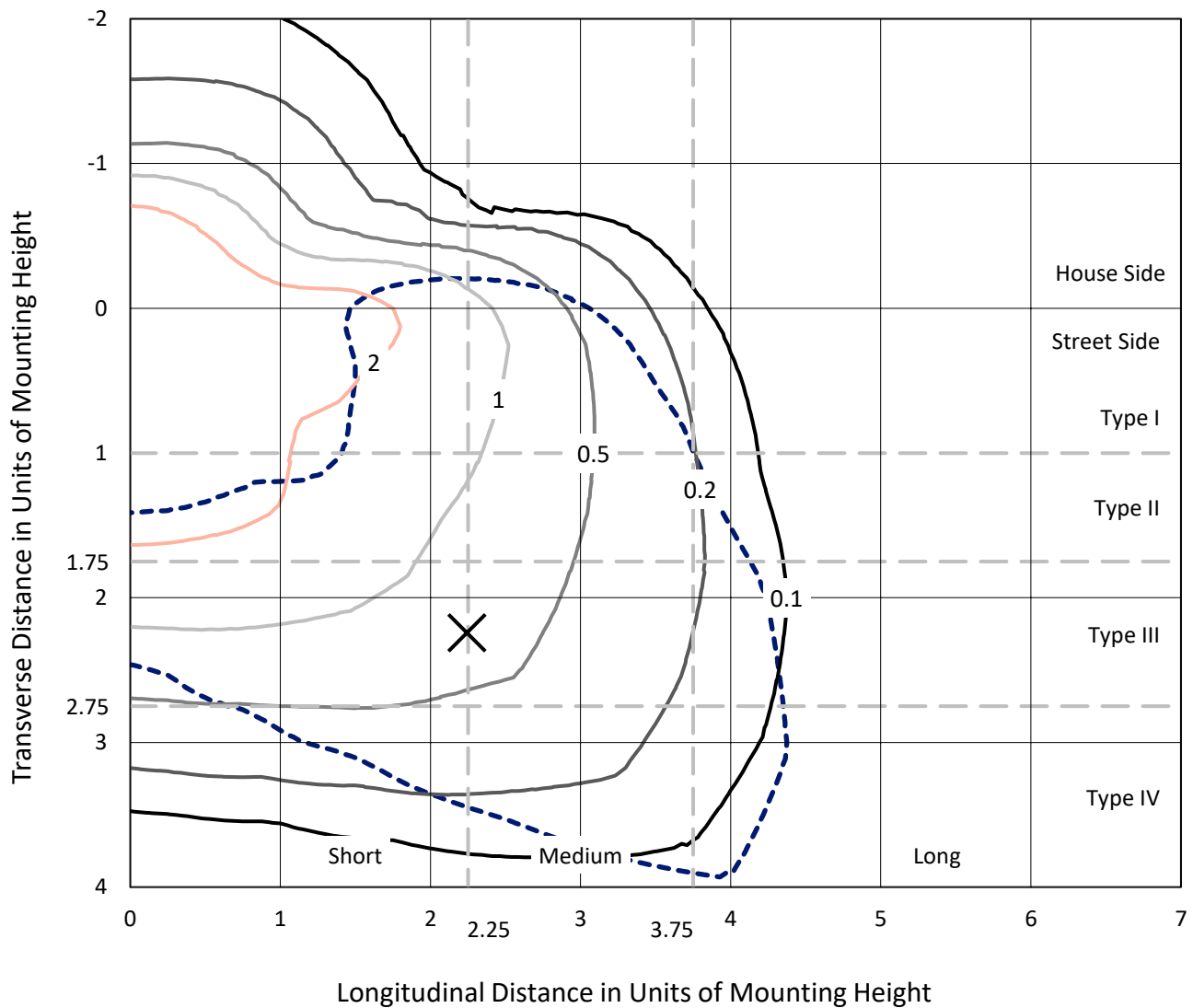


REPORT NUMBER: P950919

CATALOG NUMBER: GALN-SB5B-722-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

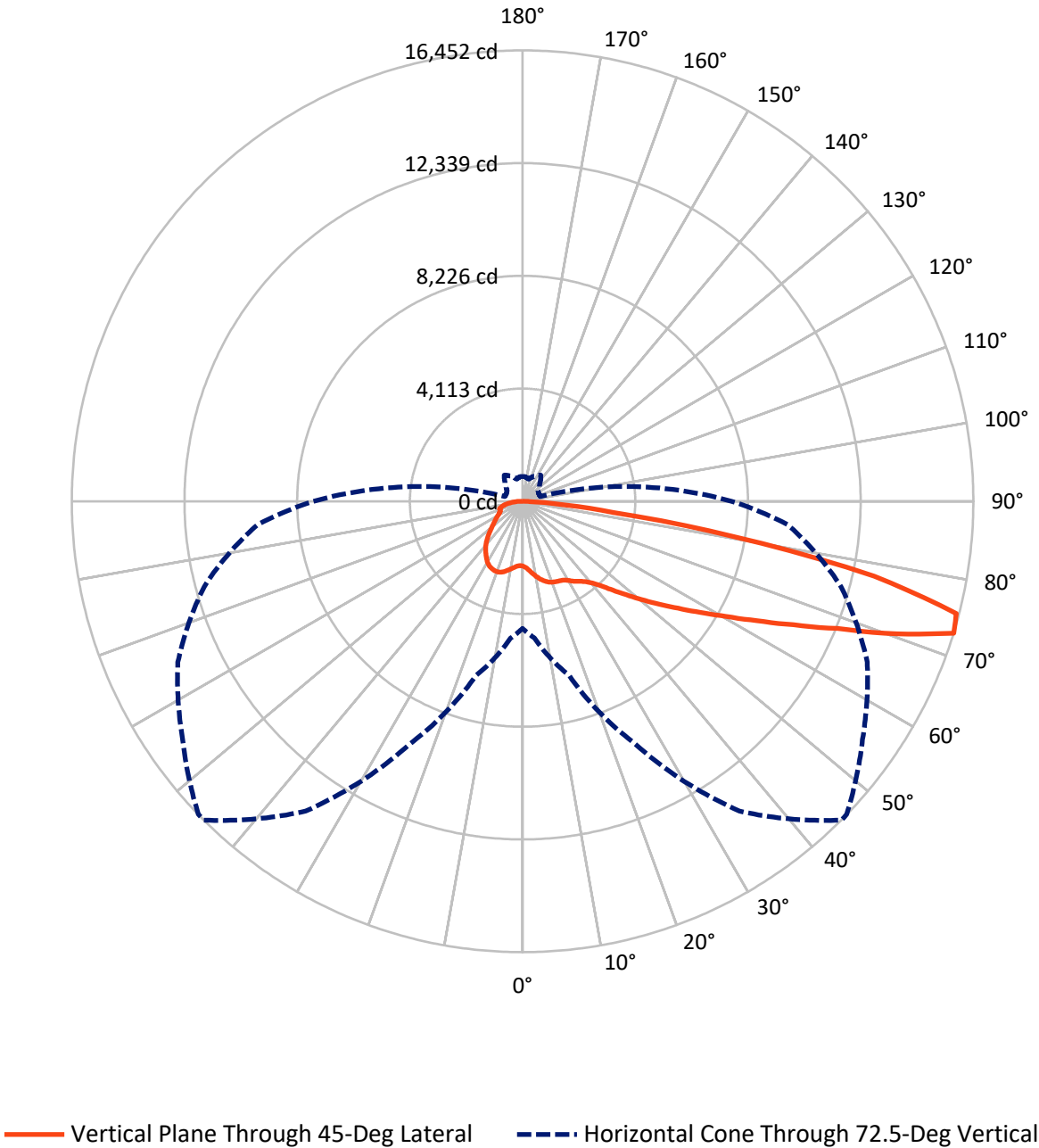
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P950919
CATALOG NUMBER: GALN-SB5B-722-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P950919

CATALOG NUMBER: GALN-SB5B-722-U-T4W

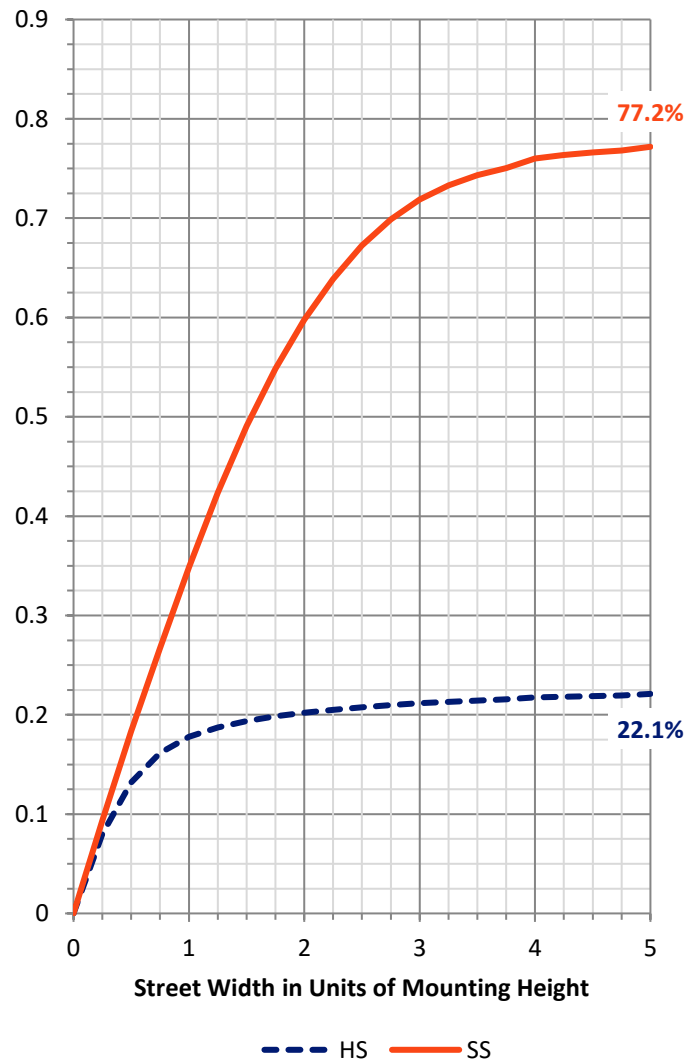
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5301.7	0.0	5301.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	18150.3	0.0	18150.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	23452.0	0.0	23452.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.8	1.0
10°-20°	802.8	3.4
20°-30°	1396.6	6.0
30°-40°	2002.1	8.5
40°-50°	2819.1	12.0
50°-60°	4318.0	18.4
60°-70°	6255.3	26.7
70°-80°	4995.2	21.3
80°-90°	622.1	2.7
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°	23452.0	100.0
0°-180°	23452.0	100.0

Coefficient of Utilization



REPORT NUMBER: P950919

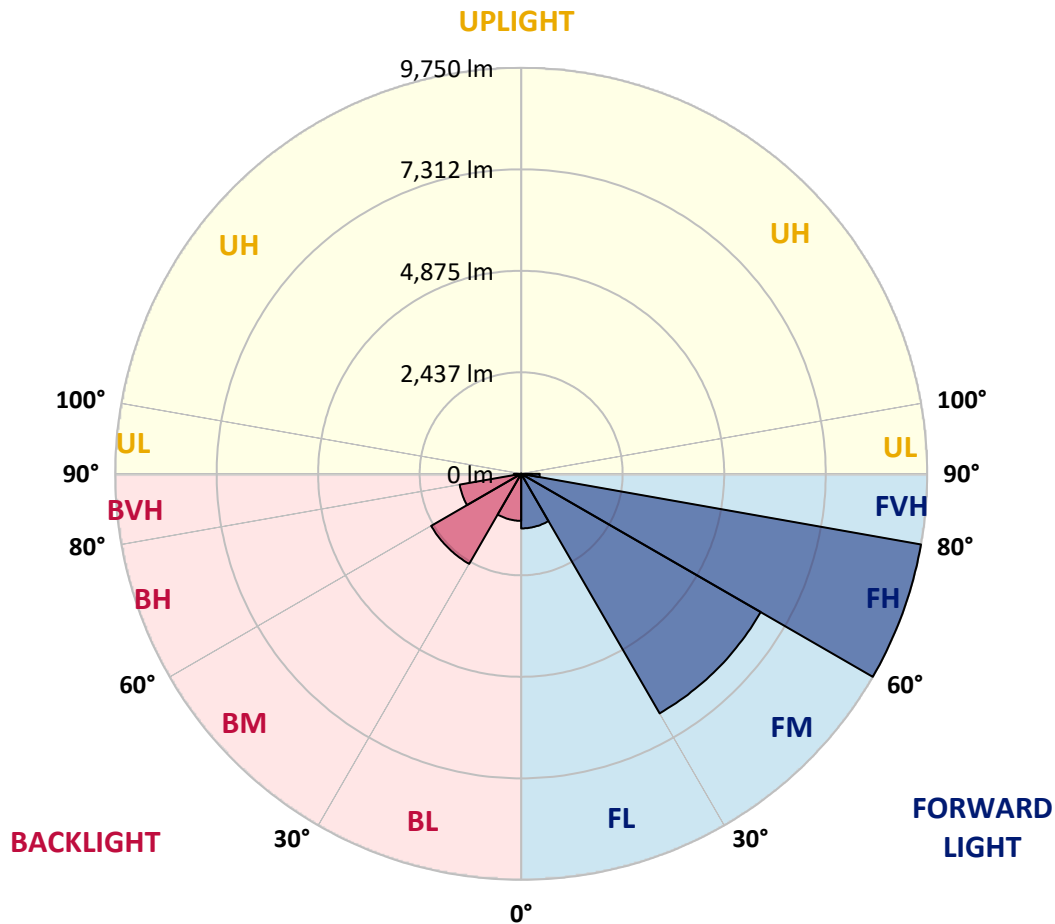
CATALOG NUMBER: GALN-SB5B-722-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1311.5	5.6			
FM	(30°-60°)	6642.8	28.3			
FH	(60°-80°)	9749.7	41.6			G4/12000
FVH	(80°-90°)	446.3	1.9			G3/500
BL	(0°-30°)	1128.8	4.8	B3/2500		
BM	(30°-60°)	2496.3	10.6	B2/2500		
BH	(60°-80°)	1500.8	6.4	B3/2500		G3/2500
BVH	(80°-90°)	175.8	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



REPORT NUMBER: P950919

CATALOG NUMBER: GALN-SB5B-722-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9
2.5°	2458.5	2474.6	2459.7	2446.2	2440.0	2423.9	2422.7	2412.8	2406.6	2389.3	2384.4
5°	2630.2	2651.2	2626.5	2599.3	2574.6	2535.1	2530.2	2501.7	2469.6	2432.6	2411.6
7.5°	2824.2	2842.7	2814.3	2773.5	2730.3	2664.8	2663.6	2611.7	2561.0	2498.0	2462.2
10°	2993.4	3018.2	2979.9	2924.3	2869.9	2795.8	2787.1	2727.8	2663.6	2582.1	2527.7
12.5°	3142.9	3160.2	3123.2	3055.2	2992.2	2918.1	2907.0	2841.5	2769.8	2677.2	2608.0
15°	3261.5	3283.8	3234.4	3161.5	3094.8	3021.9	3012.0	2952.7	2881.0	2783.4	2694.5
17.5°	3339.4	3357.9	3307.2	3225.7	3161.5	3100.9	3093.5	3044.1	2981.1	2882.3	2787.1
20°	3369.0	3388.8	3335.7	3252.9	3193.6	3146.6	3142.9	3107.1	3063.9	2973.7	2877.3
22.5°	3398.7	3417.2	3348.0	3261.5	3209.6	3180.0	3178.8	3155.3	3138.0	3063.9	2970.0
25°	3518.5	3523.4	3430.8	3306.0	3231.9	3205.9	3204.7	3203.5	3210.9	3152.8	3070.0
27.5°	3622.3	3621.0	3542.0	3424.6	3309.7	3255.4	3254.1	3266.5	3290.0	3241.8	3173.8
30°	3774.2	3760.7	3666.8	3544.5	3439.4	3355.4	3348.0	3336.9	3355.4	3317.1	3277.6
32.5°	4096.7	4053.4	3901.5	3684.1	3546.9	3482.7	3472.8	3403.6	3411.0	3387.6	3367.8
35°	4558.7	4501.9	4299.3	3948.4	3680.3	3588.9	3584.0	3496.3	3481.4	3460.4	3467.9
37.5°	5108.5	5038.1	4802.1	4331.4	3910.1	3712.5	3705.1	3626.0	3565.5	3543.2	3585.2
40°	5660.7	5571.8	5376.6	4798.4	4248.6	3918.8	3895.3	3775.5	3706.3	3669.2	3758.2
42.5°	6196.9	6122.8	5956.0	5322.2	4666.2	4220.2	4168.3	3963.3	3911.4	3876.8	4037.4
45°	6671.3	6604.6	6482.3	5881.9	5155.5	4630.4	4579.7	4244.9	4228.9	4228.9	4461.1
47.5°	7056.8	7042.0	6912.2	6452.7	5732.4	5097.4	5009.7	4636.6	4679.8	4746.5	5062.8
50°	7484.2	7443.5	7305.1	7014.8	6410.7	5632.3	5560.7	5117.2	5279.0	5461.8	5932.5
52.5°	7877.1	7899.3	7744.9	7600.4	7176.6	6229.0	6103.0	5684.2	6033.8	6336.5	6951.8
55°	8281.1	8282.3	8239.1	8219.3	7979.6	6888.8	6750.4	6366.2	6922.1	7297.7	8140.3
57.5°	8660.4	8662.8	8727.1	8901.3	8911.2	7649.8	7492.9	7203.8	7909.2	8292.2	9365.8
60°	8998.9	9016.2	9191.6	9599.3	9730.3	8522.0	8373.8	8193.4	8929.7	9315.1	10654.4
62.5°	9112.5	9175.5	9565.9	10145.4	10539.5	9591.9	9446.1	9338.6	10002.0	10360.3	11731.7
65°	8919.8	9064.4	9819.2	10596.3	11372.1	10863.1	10718.6	10601.2	11116.4	11453.7	12616.2
67.5°	8446.6	8633.2	9804.4	11069.5	12382.7	12392.6	12257.9	11982.4	12311.1	12440.8	12904.1
70°	7200.1	7479.3	8940.8	11246.1	13542.8	14484.2	14354.5	13645.3	13503.3	12875.7	12093.6
72.5°	4639.0	5014.6	6583.6	9792.0	13801.0	16452.2	16444.8	15146.4	13880.1	12030.6	9699.4
75°	1692.5	1922.3	3058.9	6146.3	11584.6	16352.2	16400.3	14889.4	12670.6	9292.9	6042.5
77.5°	616.5	674.5	998.2	2362.1	7124.7	13120.3	13220.3	11903.4	9018.6	4663.8	2394.3
80°	323.7	355.8	511.5	916.7	3052.7	7791.9	7948.8	7074.1	4238.8	1404.7	717.8
82.5°	179.1	194.0	286.6	497.9	1375.0	3332.0	3425.9	2794.5	1491.2	595.5	296.5
85°	96.4	102.5	134.7	271.8	672.1	1155.1	1181.1	835.2	594.2	349.6	143.3
87.5°	28.4	34.6	44.5	86.5	263.1	259.4	265.6	165.5	234.7	176.7	46.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950919

CATALOG NUMBER: GALN-SB5B-722-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9	2365.9
2.5°	2377.0	2373.3	2359.7	2353.5	2346.1	2344.8	2351.0	2352.3	2353.5	2354.7	2359.7
5°	2399.2	2386.9	2374.5	2367.1	2369.6	2370.8	2383.1	2391.8	2398.0	2402.9	2405.4
7.5°	2442.4	2432.6	2411.6	2410.3	2414.0	2425.2	2441.2	2461.0	2472.1	2480.7	2483.2
10°	2506.7	2488.2	2463.4	2467.2	2474.6	2490.6	2524.0	2540.0	2558.6	2574.6	2570.9
12.5°	2572.2	2556.1	2527.7	2530.2	2542.5	2570.9	2603.1	2622.8	2635.2	2647.5	2652.5
15°	2657.4	2629.0	2598.1	2598.1	2620.3	2651.2	2666.1	2682.1	2689.5	2703.1	2708.1
17.5°	2745.1	2708.1	2667.3	2664.8	2692.0	2706.8	2715.5	2717.9	2720.4	2735.2	2740.2
20°	2832.8	2792.1	2734.0	2729.1	2735.2	2732.8	2731.5	2729.1	2732.8	2751.3	2758.7
22.5°	2919.3	2872.4	2792.1	2769.8	2752.5	2729.1	2727.8	2726.6	2729.1	2747.6	2760.0
25°	3020.6	2963.8	2856.3	2789.6	2731.5	2699.4	2703.1	2704.4	2706.8	2721.7	2741.4
27.5°	3130.6	3067.6	2915.6	2783.4	2678.4	2656.2	2650.0	2653.7	2662.4	2685.8	2709.3
30°	3240.5	3166.4	2970.0	2758.7	2611.7	2580.8	2561.0	2569.7	2596.9	2620.3	2646.3
32.5°	3340.6	3266.5	3013.2	2704.4	2526.5	2478.3	2452.3	2463.4	2490.6	2499.3	2530.2
35°	3458.0	3374.0	3031.7	2617.9	2433.8	2359.7	2325.1	2309.0	2322.6	2314.0	2341.1
37.5°	3588.9	3501.2	3029.3	2504.2	2325.1	2239.8	2191.7	2131.1	2102.7	2073.1	2091.6
40°	3782.9	3656.9	2999.6	2367.1	2190.4	2112.6	2026.1	1923.6	1859.3	1801.3	1805.0
42.5°	4047.3	3873.1	2945.3	2216.4	2038.5	1965.6	1848.2	1728.4	1627.1	1530.7	1522.1
45°	4441.4	4156.0	2877.3	2055.8	1874.1	1802.5	1675.2	1540.6	1425.7	1302.1	1287.3
47.5°	5009.7	4536.5	2813.1	1872.9	1701.2	1635.7	1520.8	1396.0	1260.1	1140.3	1126.7
50°	5790.5	5082.6	2753.8	1695.0	1530.7	1481.3	1389.9	1262.6	1125.5	1029.1	1022.9
52.5°	6783.8	5825.1	2729.1	1523.3	1371.3	1352.8	1279.9	1161.3	1031.6	950.0	943.9
55°	7924.1	6713.3	2729.1	1359.0	1231.7	1237.9	1187.2	1077.3	964.9	892.0	884.6
57.5°	9087.8	7612.7	2679.6	1207.0	1113.1	1139.1	1106.9	1010.6	909.3	833.9	821.6
60°	10160.2	8366.3	2479.5	1068.6	1008.1	1048.9	1027.9	945.1	821.6	758.6	748.7
62.5°	10984.2	8791.3	2094.1	958.7	921.6	968.6	957.5	858.6	805.5	779.6	770.9
65°	11396.9	8722.1	1601.1	861.1	848.7	921.6	898.2	894.5	852.4	822.8	812.9
67.5°	11143.6	8126.7	1161.3	789.4	806.7	878.4	968.6	983.4	905.6	847.5	837.6
70°	10032.9	7049.4	864.8	721.5	753.6	879.6	1104.5	1029.1	888.3	820.3	809.2
72.5°	7632.5	5256.8	670.8	649.8	684.4	885.8	1165.0	1008.1	838.9	906.8	899.4
75°	4364.8	2886.0	538.6	562.1	597.9	827.7	1134.1	953.8	800.6	832.7	832.7
77.5°	1664.1	1109.4	444.8	475.6	480.6	722.7	1084.7	950.0	762.3	743.7	678.3
80°	576.9	433.6	368.2	378.0	371.9	642.4	1040.2	826.5	623.9	558.4	539.9
82.5°	236.0	216.2	291.6	279.2	264.4	499.1	840.1	675.8	510.2	450.9	446.0
85°	102.5	137.1	192.7	169.3	153.2	345.9	673.3	572.0	431.2	371.9	370.6
87.5°	21.0	51.9	81.5	76.6	79.1	231.0	478.1	406.5	305.2	228.6	179.1
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)