

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: P949479

Luminaire Tested: **GALN-SB4B-722-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4B-722-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

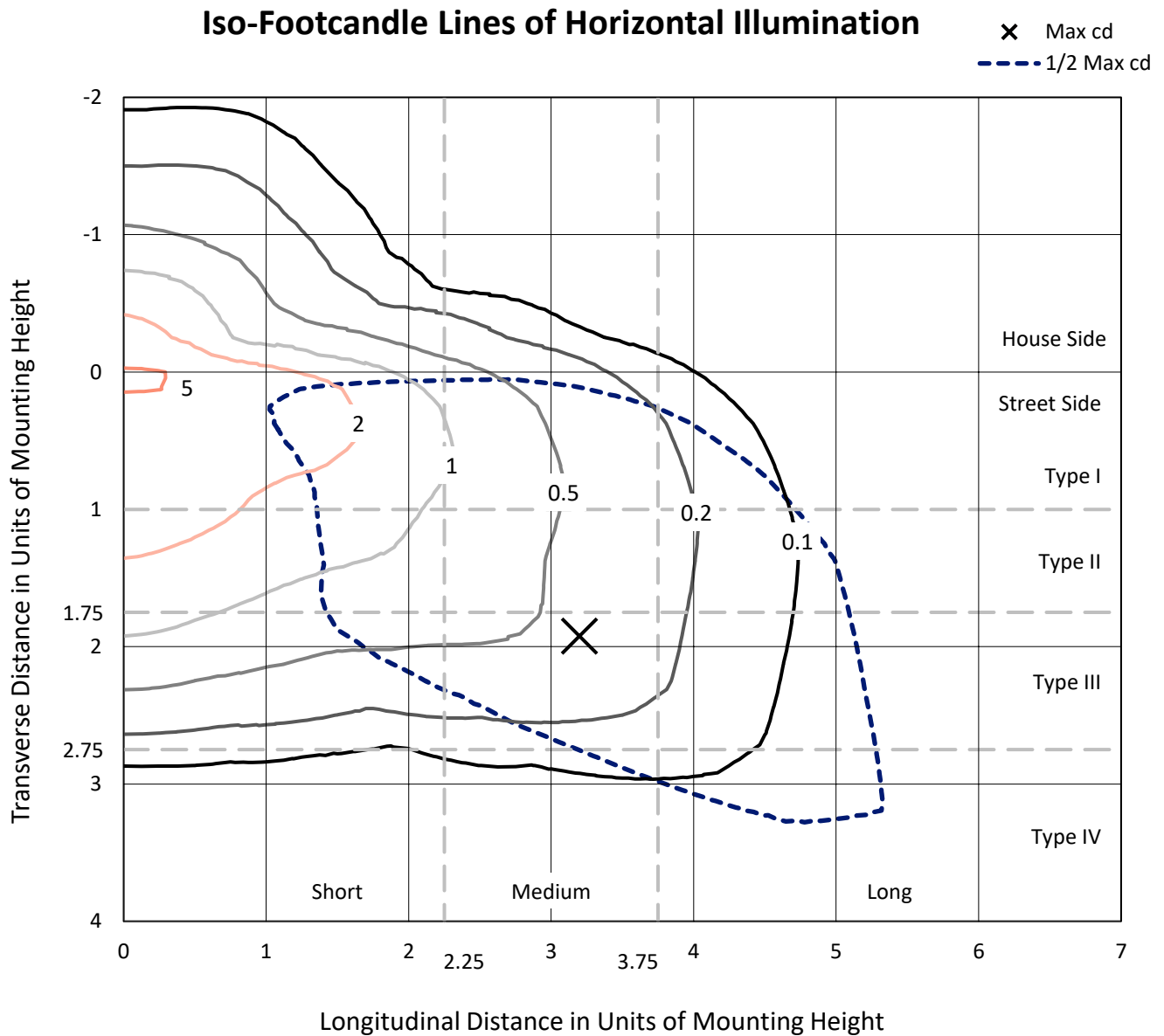
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18221 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 147
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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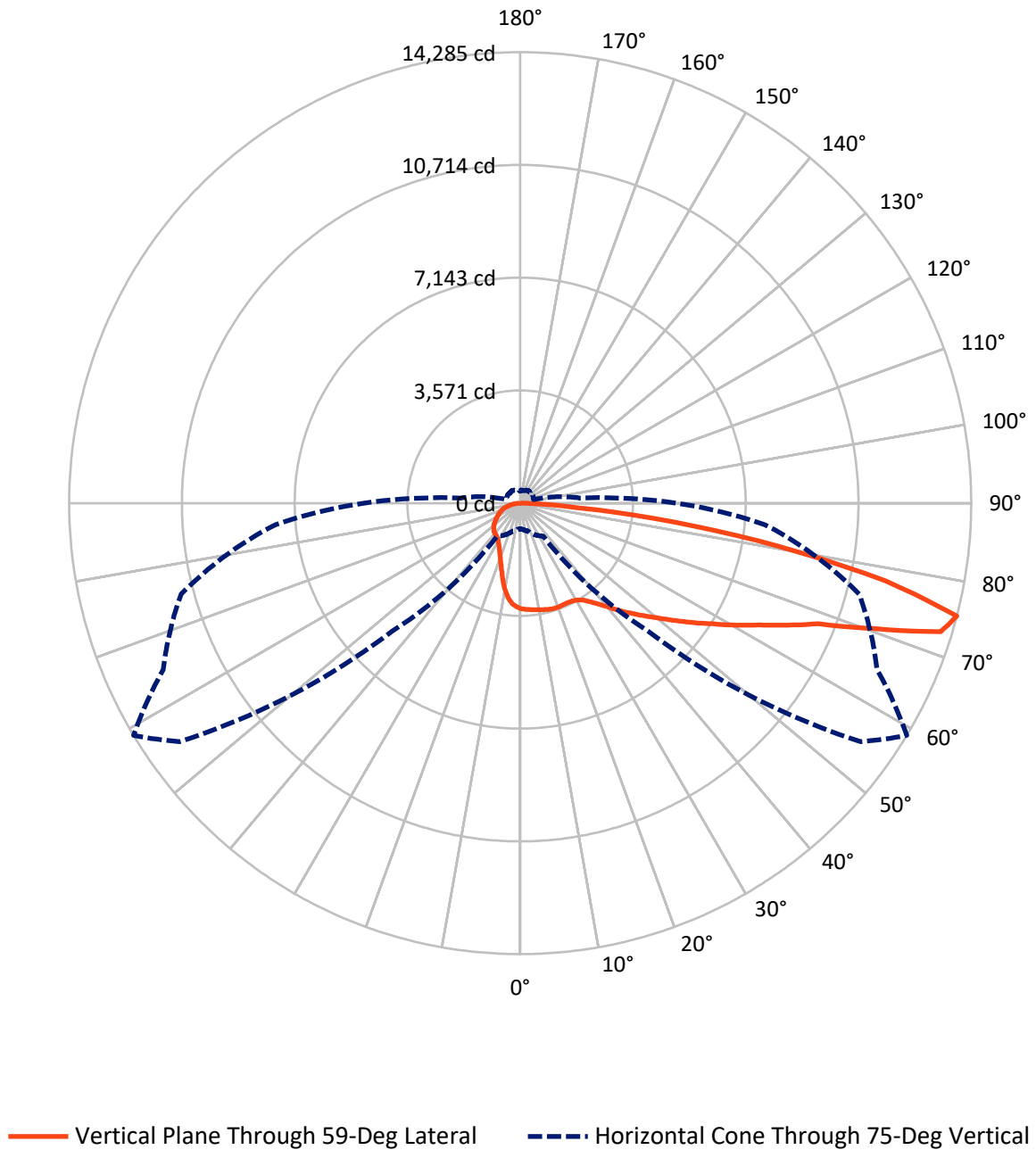


Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3417.5	0.0	3417.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	14803.5	0.0	14803.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	18221.0	0.0	18221.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.9	1.6
10°-20°	766.5	4.2
20°-30°	1164.3	6.4
30°-40°	1730.7	9.5
40°-50°	2573.8	14.1
50°-60°	3493.6	19.2
60°-70°	4265.2	23.4
70°-80°	3347.2	18.4
80°-90°	579.8	3.2
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°	18221.0	100.0
0°-180°	18221.0	100.0

Coefficient of Utilization



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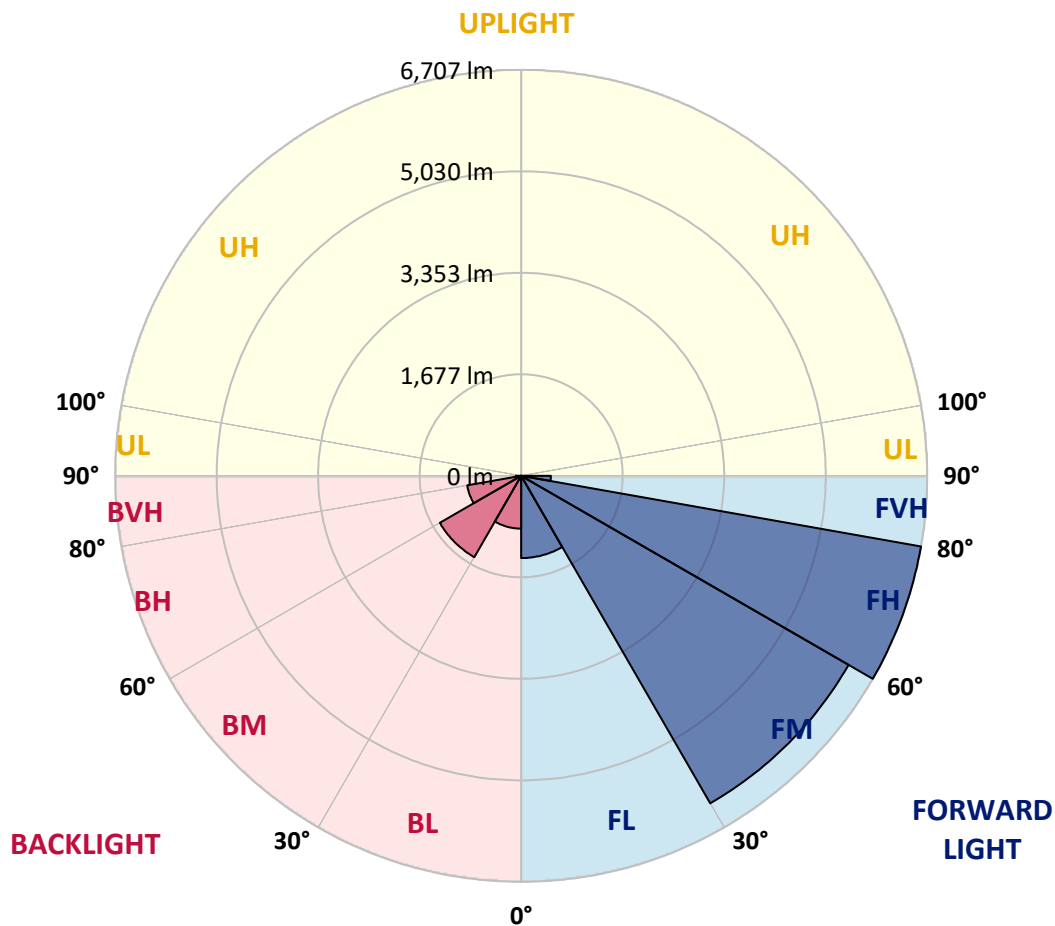
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1358.6	7.5			
FM	(30°-60°)	6246.9	34.3			
FH	(60°-80°)	6707.0	36.8			G3/7500
FVH	(80°-90°)	491.1	2.7			G3/500
BL	(0°-30°)	872.1	4.8	B2/1000		
BM	(30°-60°)	1551.2	8.5	B2/2500		
BH	(60°-80°)	905.4	5.0	B2/1000		G2/1000
BVH	(80°-90°)	88.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4
2.5°	3372.8	3361.1	3372.8	3367.9	3366.0	3362.1	3363.0	3369.9	3366.0	3370.9	3354.2
5°	3350.3	3343.4	3355.2	3352.3	3365.0	3367.0	3379.7	3387.6	3392.5	3393.4	3380.7
7.5°	3313.1	3306.2	3322.9	3336.6	3364.0	3371.9	3398.3	3411.1	3417.9	3429.7	3411.1
10°	3176.8	3173.9	3215.0	3267.0	3331.7	3371.9	3412.1	3433.6	3444.4	3475.8	3454.2
12.5°	2935.7	2939.6	2993.5	3093.5	3222.9	3352.3	3427.7	3459.1	3475.8	3515.0	3505.2
15°	2705.3	2704.4	2763.2	2870.0	3051.3	3266.0	3435.6	3489.5	3517.9	3575.7	3567.9
17.5°	2572.0	2568.1	2609.3	2690.6	2859.2	3133.7	3416.0	3506.2	3566.9	3639.5	3632.6
20°	2547.5	2539.7	2561.2	2601.4	2721.0	2988.6	3365.0	3506.2	3606.1	3700.2	3696.3
22.5°	2636.7	2624.0	2615.2	2610.3	2663.2	2869.0	3307.2	3494.4	3664.0	3787.5	3780.6
25°	2816.1	2796.5	2751.4	2707.3	2691.6	2815.1	3256.2	3491.5	3750.2	3905.1	3879.6
27.5°	3106.2	3081.7	2990.6	2884.7	2789.6	2842.6	3233.7	3509.1	3845.3	4029.6	3978.6
30°	3466.0	3439.5	3324.8	3162.1	2991.6	2944.5	3262.1	3561.0	3966.8	4195.2	4095.3
32.5°	3788.5	3759.0	3661.0	3495.4	3265.0	3120.9	3352.3	3660.0	4158.0	4425.6	4270.7
35°	4074.7	4040.4	3952.1	3799.2	3600.3	3368.9	3515.0	3835.5	4429.5	4800.0	4508.9
37.5°	4355.0	4314.8	4218.8	4057.0	3917.8	3699.3	3739.4	4060.9	4790.2	5254.8	4824.5
40°	4668.7	4610.8	4494.2	4334.4	4199.2	4086.4	4034.5	4337.4	5156.8	5762.6	5218.6
42.5°	4972.5	4917.6	4778.4	4642.2	4472.6	4440.3	4376.6	4660.8	5557.7	6320.3	5618.5
45°	5299.9	5234.2	5065.6	4893.1	4786.3	4675.5	4707.9	4984.3	5950.8	6888.8	6038.0
47.5°	5606.7	5533.2	5334.2	5142.1	5083.3	4873.5	5011.7	5340.1	6359.5	7465.2	6453.6
50°	5772.4	5699.8	5534.2	5360.7	5314.6	5117.6	5341.1	5731.2	6787.8	8039.6	6852.5
52.5°	5910.6	5832.2	5615.5	5519.5	5505.8	5383.2	5746.9	6178.2	7216.2	8547.3	7237.8
55°	6057.6	5970.4	5694.0	5607.7	5670.4	5681.2	6228.2	6684.9	7669.0	9042.3	7601.4
57.5°	6227.2	6116.4	5769.4	5682.2	5831.2	6030.2	6781.0	7210.3	8114.1	9501.0	7924.9
60°	6386.9	6275.2	5914.5	5800.8	6004.7	6435.0	7415.2	7846.5	8617.9	9909.8	8230.7
62.5°	6418.3	6326.2	6030.2	6029.2	6239.9	6907.4	8166.0	8488.5	9058.0	10313.6	8505.1
65°	5875.3	5817.5	5642.0	6020.4	6577.1	7587.7	9002.1	9309.9	9617.7	10666.5	8746.3
67.5°	4471.6	4479.5	4466.7	5197.0	6304.6	8564.9	10212.6	10189.1	10308.7	11062.5	9023.7
70°	2044.7	2090.8	2390.7	3587.5	5050.9	8677.7	12214.2	11909.4	11176.2	11575.1	9263.8
72.5°	1104.7	1140.0	1262.5	1737.9	3036.6	7715.1	13710.0	13926.6	12329.9	11920.1	9000.1
75°	810.6	830.2	915.5	1104.7	1275.2	5734.1	13173.8	14285.4	12474.0	11115.4	7772.0
77.5°	606.7	615.6	685.2	875.3	652.8	3022.9	10526.3	11830.9	10678.2	9132.5	5741.0
80°	440.1	449.9	501.9	656.7	457.8	1105.7	7228.0	8304.2	7313.2	5821.4	2861.2
82.5°	303.9	307.8	330.3	447.0	319.5	429.3	4101.1	4869.6	4082.5	2042.7	772.4
85°	183.3	188.2	198.0	260.7	181.3	203.9	1770.2	1831.0	1220.3	488.1	240.1
87.5°	75.5	80.4	88.2	109.8	71.6	56.9	292.1	366.6	228.4	143.1	74.5
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°	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4	3344.4
2.5°	3349.3	3342.5	3323.8	3298.4	3274.8	3245.4	3232.7	3221.9	3212.1	3193.5	3184.7
5°	3369.9	3351.3	3301.3	3236.6	3163.1	3082.7	3004.3	2950.4	2904.3	2870.0	2841.6
7.5°	3401.3	3366.0	3274.8	3142.5	2973.9	2801.4	2645.5	2534.8	2451.5	2421.1	2368.2
10°	3433.6	3391.5	3232.7	2999.4	2708.3	2442.6	2235.8	2122.1	2055.5	2033.9	2000.6
12.5°	3471.8	3410.1	3167.0	2800.4	2411.3	2120.2	1939.8	1873.2	1838.8	1827.1	1830.0
15°	3527.7	3425.8	3068.0	2551.4	2128.0	1884.9	1768.3	1722.2	1704.6	1703.6	1707.5
17.5°	3569.9	3428.7	2914.1	2284.8	1910.4	1742.8	1646.7	1629.1	1640.8	1658.5	1665.4
20°	3616.9	3402.3	2712.2	2041.7	1757.5	1618.3	1578.1	1589.9	1618.3	1643.8	1652.6
22.5°	3650.2	3354.2	2468.1	1852.6	1625.2	1546.7	1544.8	1569.3	1585.0	1597.7	1604.6
25°	3679.7	3272.9	2209.4	1693.8	1516.4	1503.6	1525.2	1517.3	1506.6	1517.3	1524.2
27.5°	3701.2	3144.5	1978.0	1554.6	1439.9	1474.2	1461.5	1443.8	1442.8	1448.7	1458.5
30°	3694.4	2972.9	1787.9	1422.3	1386.0	1419.3	1388.9	1386.0	1383.1	1386.0	1396.8
32.5°	3694.4	2777.9	1641.8	1331.1	1351.7	1338.9	1336.0	1329.1	1317.4	1316.4	1329.1
35°	3714.9	2582.8	1516.4	1282.1	1323.3	1292.9	1294.8	1278.2	1253.7	1241.9	1253.7
37.5°	3757.1	2426.0	1391.9	1258.6	1273.3	1272.3	1264.5	1236.0	1192.9	1155.6	1168.4
40°	3859.0	2379.9	1306.6	1247.8	1249.7	1261.5	1240.9	1186.0	1088.0	1027.2	1035.1
42.5°	4018.8	2457.3	1288.0	1221.3	1234.1	1245.8	1205.6	1078.2	1008.6	972.4	972.4
45°	4221.7	2592.6	1328.2	1183.1	1196.8	1217.4	1097.8	1037.0	1005.7	1006.7	1011.6
47.5°	4478.5	2734.7	1402.7	1149.8	1142.9	1154.7	1026.3	989.0	945.9	956.7	984.1
50°	4775.5	2878.8	1473.2	1104.7	1083.1	1044.9	980.2	944.9	890.0	864.5	871.4
52.5°	5097.0	3018.0	1501.7	1049.8	1018.4	974.3	948.8	905.7	839.0	796.9	795.9
55°	5401.9	3144.5	1470.3	984.1	953.7	919.4	915.5	889.0	817.5	758.7	758.7
57.5°	5690.0	3250.3	1391.9	917.5	888.1	867.5	893.9	881.2	791.0	715.5	711.6
60°	5934.1	3322.9	1278.2	849.8	829.2	818.5	858.7	854.7	753.8	669.5	666.5
62.5°	6128.2	3351.3	1152.7	785.1	780.2	760.6	809.6	809.6	706.7	624.4	621.4
65°	6280.1	3323.8	1025.3	721.4	731.2	701.8	749.8	744.0	656.7	584.2	580.3
67.5°	6414.4	3233.7	884.1	658.7	681.2	644.0	687.1	673.4	601.8	544.0	540.1
70°	6474.2	3023.9	723.4	596.0	623.4	587.1	624.4	598.9	540.1	500.9	493.0
72.5°	5993.9	2513.2	569.5	530.3	553.8	524.4	556.8	527.3	473.4	455.8	441.1
75°	4958.8	1885.9	438.1	458.7	476.4	453.8	475.4	453.8	404.8	417.6	381.3
77.5°	3601.2	1273.3	335.2	383.3	391.1	379.3	398.0	373.5	329.3	326.4	311.7
80°	1790.8	745.9	262.7	302.9	299.9	292.1	313.7	301.9	264.7	280.3	277.4
82.5°	518.5	319.5	191.1	212.7	206.8	208.8	224.5	230.3	345.0	342.1	349.9
85°	162.7	125.5	114.7	118.6	112.7	115.7	132.3	262.7	243.1	142.1	153.9
87.5°	42.1	43.1	28.4	30.4	31.4	37.2	42.1	159.8	76.5	50.0	52.9
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)