

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: P953414

Luminaire Tested: **GALN-SB7A-722-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953414  
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-SB7A-722-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

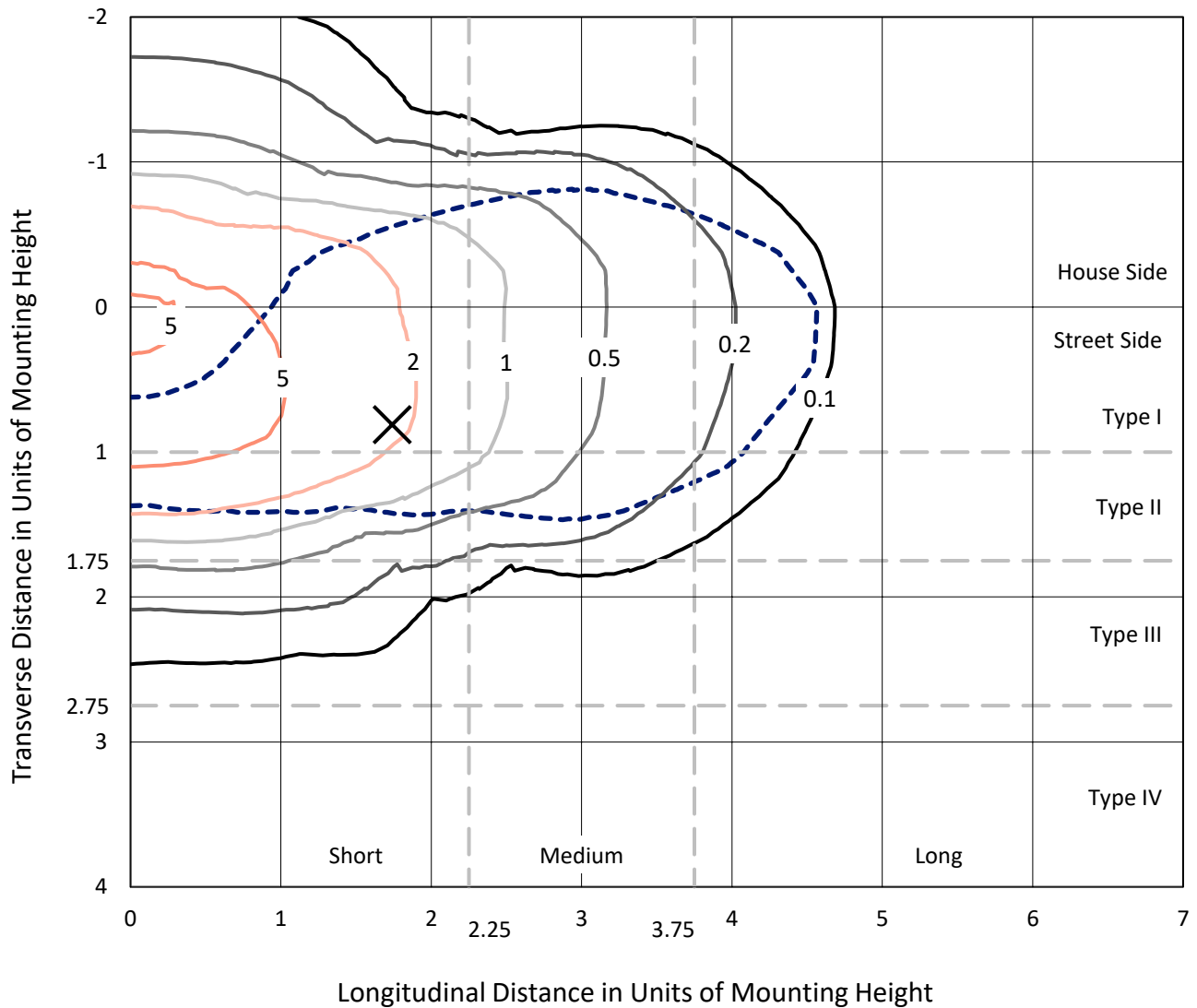
Lumens per Lamp: N/A  
Luminaire Lumens: 26706 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): 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

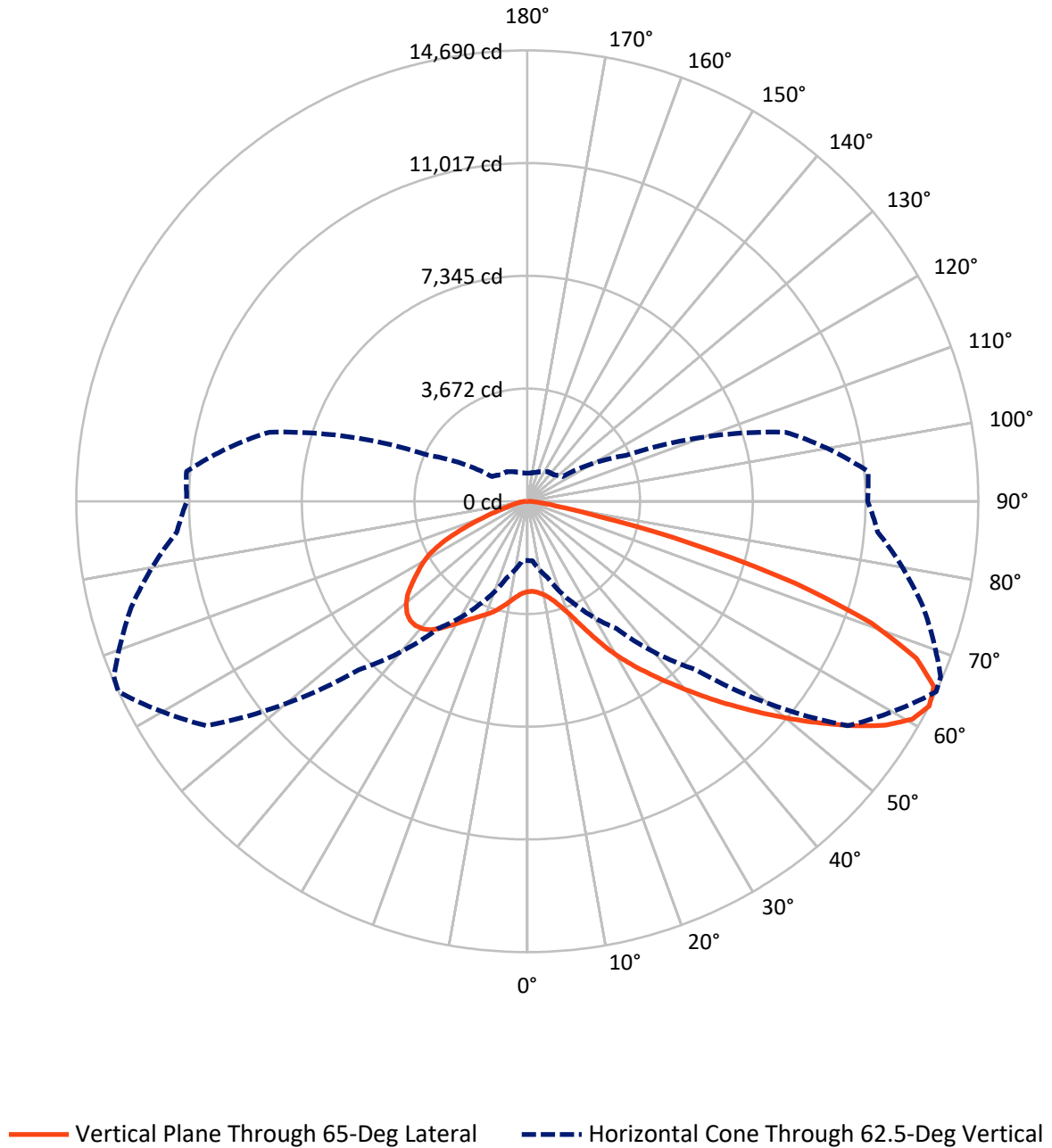
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8427.3	0.0	8427.3
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	18278.7	0.0	18278.7
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	26706.0	0.0	26706.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	293.4	1.1
10°-20°	995.0	3.7
20°-30°	2017.4	7.6
30°-40°	3491.0	13.1
40°-50°	5283.0	19.8
50°-60°	6194.0	23.2
60°-70°	5192.9	19.4
70°-80°	2866.9	10.7
80°-90°	372.4	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°	26706.0	100.0
0°-180°	26706.0	100.0



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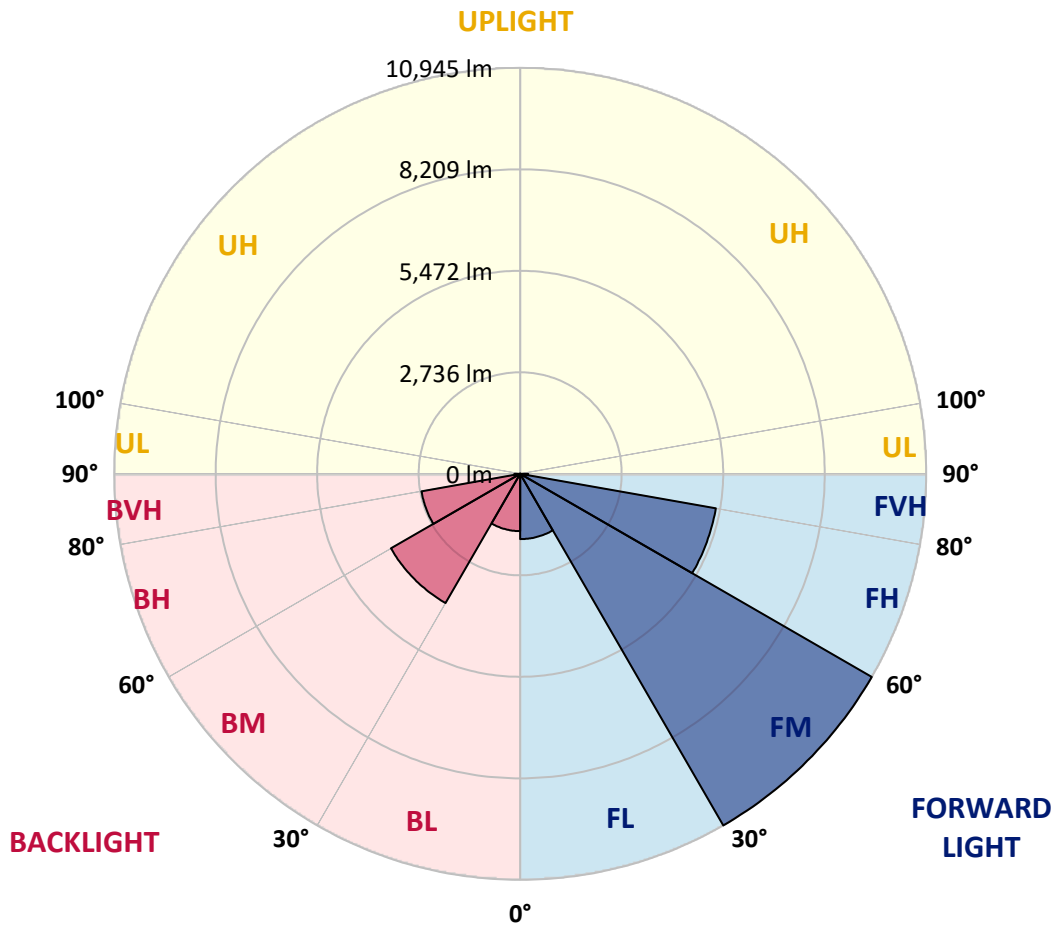
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1760.3	6.6			
FM (30°-60°)	10945.0	41.0			
FH (60°-80°)	5356.4	20.1			G3/7500
FVH (80°-90°)	217.0	0.8			G2/225
BL (0°-30°)	1545.5	5.8	B3/2500		
BM (30°-60°)	4023.1	15.1	B3/5000		
BH (60°-80°)	2703.4	10.1	B4/5000		G4/5000
BVH (80°-90°)	155.4	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



REPORT NUMBER: P953414

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9
2.5°	2923.5	2915.2	2922.1	2922.1	2924.9	2923.5	2933.2	2936.0	2940.1	2948.4	2948.4
5°	2894.4	2893.0	2905.5	2916.6	2927.6	2937.3	2949.8	2967.8	2970.6	2980.3	2992.8
7.5°	2884.7	2876.4	2895.8	2909.6	2936.0	2959.5	2992.8	3023.2	3035.7	3039.9	3063.4
10°	2959.5	2945.7	2963.7	2972.0	2994.2	3017.7	3056.5	3105.0	3118.8	3135.5	3161.8
12.5°	3087.0	3071.7	3098.1	3110.5	3131.3	3152.1	3178.4	3225.5	3232.5	3262.9	3287.9
15°	3261.6	3243.5	3260.2	3275.4	3310.1	3329.5	3355.8	3401.5	3401.5	3425.1	3443.1
17.5°	3498.5	3474.9	3487.4	3492.9	3515.1	3544.2	3588.5	3628.7	3649.5	3641.2	3616.3
20°	3851.8	3822.7	3822.7	3795.0	3786.7	3810.2	3868.4	3923.8	3946.0	3903.1	3842.1
22.5°	4382.5	4340.9	4317.3	4223.1	4185.7	4188.5	4246.7	4314.6	4332.6	4256.4	4119.2
25°	5057.2	4992.1	4960.2	4821.7	4737.2	4663.7	4709.4	4796.7	4821.7	4727.5	4505.8
27.5°	5732.0	5736.1	5705.7	5539.4	5399.4	5265.0	5241.5	5332.9	5359.3	5252.6	4978.2
30°	6678.3	6579.9	6521.7	6322.2	6122.7	5934.3	5837.3	5874.7	5881.6	5754.1	5435.5
32.5°	7494.4	7469.4	7344.7	7170.2	6913.8	6618.7	6456.6	6397.0	6386.0	6204.4	5826.2
35°	8424.1	8410.2	8278.6	8070.8	7793.7	7383.5	7091.2	6920.8	6906.9	6652.0	6212.8
37.5°	9369.0	9369.0	9240.2	9012.9	8726.1	8213.5	7768.7	7498.5	7454.2	7121.7	6606.3
40°	10122.7	10077.0	10100.6	10005.0	9676.6	9132.1	8521.1	8129.0	8069.4	7670.3	7024.7
42.5°	10550.9	10535.6	10677.0	10783.7	10649.3	10214.2	9349.6	8812.0	8728.9	8274.4	7506.9
45°	10646.5	10629.9	10882.0	11272.7	11461.2	11282.4	10250.2	9531.1	9430.0	8906.2	8023.7
47.5°	10426.2	10392.9	10762.9	11379.4	11983.5	12298.0	11225.6	10311.2	10164.3	9521.4	8554.3
50°	9763.9	9732.0	10291.8	11110.6	12159.5	12988.0	12284.2	11138.4	10913.9	10180.9	9090.5
52.5°	8324.3	8339.6	9216.6	10341.7	11928.1	13417.6	13195.9	12009.9	11739.7	10855.7	9593.5
55°	6484.3	6517.6	7595.5	8834.2	11002.6	13352.4	13818.0	12907.7	12638.9	11490.3	10113.1
57.5°	4642.9	4789.8	5799.9	7026.1	9224.9	12320.2	13953.8	13761.2	13500.7	12183.0	10621.5
60°	3009.4	3035.7	4074.9	5310.8	7024.7	10485.8	13678.0	14408.2	14204.5	12889.7	11046.9
62.5°	1928.7	1946.7	2579.9	3714.6	5055.8	7757.6	12749.7	14689.5	14627.1	13356.6	11455.6
65°	1417.4	1403.6	1733.3	2455.2	3405.7	4784.3	10947.1	14553.7	14677.0	13648.9	11793.7
67.5°	1183.3	1163.9	1326.0	1700.1	2509.2	2717.0	8099.9	13671.1	14122.8	13615.7	12041.7
70°	1077.9	1061.3	1159.7	1262.2	1957.8	1819.2	4083.2	11885.2	12580.7	13237.4	12001.5
72.5°	913.1	884.0	1018.4	1120.9	1522.7	1395.2	1687.6	9129.3	9977.3	12025.1	11436.2
75°	708.0	688.6	803.6	986.5	1144.5	1089.0	1066.9	5543.5	6469.1	9299.7	10005.0
77.5°	561.1	534.8	640.1	769.0	1029.5	821.6	777.3	2387.3	3304.5	5937.0	7486.1
80°	422.6	399.0	486.3	608.3	791.1	619.3	503.0	974.0	1245.6	3008.0	3764.5
82.5°	300.7	279.9	339.5	446.1	532.0	555.6	309.0	545.9	613.8	1159.7	841.0
85°	192.6	180.1	227.2	279.9	338.1	357.5	188.4	285.4	313.1	478.0	350.5
87.5°	105.3	85.9	121.9	130.2	156.6	142.7	90.1	103.9	112.2	173.2	148.3
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°	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9	2942.9
2.5°	2954.0	2958.1	2972.0	2976.1	2985.8	2998.3	3006.6	3014.9	3014.9	3023.2	3023.2
5°	2994.2	3003.8	3032.9	3048.2	3073.1	3098.1	3113.3	3131.3	3142.4	3147.9	3150.7
7.5°	3071.7	3087.0	3128.5	3154.9	3197.8	3232.5	3256.0	3281.0	3286.5	3301.7	3296.2
10°	3177.0	3195.1	3242.2	3292.0	3343.3	3386.3	3408.4	3426.4	3433.4	3436.1	3429.2
12.5°	3297.6	3323.9	3384.9	3445.8	3499.9	3537.3	3542.8	3538.7	3519.3	3502.6	3502.6
15°	3445.8	3469.4	3537.3	3603.8	3656.4	3663.4	3628.7	3606.6	3583.0	3578.8	3578.8
17.5°	3623.2	3635.7	3698.0	3763.1	3767.3	3743.7	3692.5	3671.7	3649.5	3634.3	3635.7
20°	3829.6	3825.5	3869.8	3897.5	3868.4	3796.4	3718.8	3684.1	3662.0	3644.0	3645.4
22.5°	4076.3	4044.4	4038.8	4031.9	3954.3	3803.3	3698.0	3653.7	3619.0	3594.1	3602.4
25°	4435.1	4313.2	4228.7	4181.6	4007.0	3765.9	3631.5	3533.1	3468.0	3425.1	3441.7
27.5°	4884.0	4679.0	4465.6	4350.6	4007.0	3689.7	3470.8	3311.4	3204.8	3160.4	3182.6
30°	5312.2	5097.4	4782.9	4554.3	3997.3	3565.0	3211.7	2990.0	2865.3	2821.0	2847.3
32.5°	5677.9	5443.8	5119.6	4777.3	3973.7	3362.7	2890.2	2645.0	2524.5	2471.8	2498.1
35°	6017.4	5768.0	5457.6	5022.6	3911.4	3066.2	2536.9	2349.9	2215.5	2131.0	2158.7
37.5°	6365.2	6068.7	5777.7	5244.3	3799.1	2719.8	2265.4	2106.0	1948.1	1834.5	1864.9
40°	6743.4	6388.7	6119.9	5375.9	3614.9	2390.1	2054.8	1909.3	1741.6	1621.1	1644.6
42.5°	7185.4	6772.5	6501.0	5443.8	3362.7	2155.9	1917.6	1774.9	1616.9	1518.6	1537.9
45°	7646.8	7195.1	6848.7	5442.4	3081.4	2046.4	1873.2	1731.9	1557.3	1454.8	1471.4
47.5°	8130.3	7637.1	7149.4	5353.7	2837.6	2061.7	1848.3	1639.1	1446.5	1346.7	1360.6
50°	8615.3	8120.6	7440.3	5187.5	2733.7	2028.4	1755.5	1508.9	1281.6	1191.6	1197.1
52.5°	9096.1	8634.7	7691.1	4950.5	2628.4	1905.1	1636.3	1339.8	1213.7	1151.4	1151.4
55°	9579.6	9143.2	7964.1	4605.5	2365.1	1761.0	1436.8	1276.1	1159.7	1102.9	1097.3
57.5°	10064.6	9730.6	8223.2	4260.5	2034.0	1583.7	1327.3	1198.5	1105.7	1057.2	1048.9
60°	10568.9	10402.6	8490.6	3943.2	1707.0	1356.4	1247.0	1136.1	1041.9	987.9	983.7
62.5°	11088.5	11142.5	8699.8	3534.5	1406.3	1217.9	1174.9	1061.3	969.9	918.6	917.2
65°	11612.2	11856.1	8837.0	2967.8	1140.3	1086.3	1097.3	979.6	886.7	842.4	841.0
67.5°	12007.1	12370.1	8798.2	2246.0	935.2	961.6	1000.4	893.7	806.4	771.7	773.1
70°	12051.4	12309.1	8415.8	1537.9	782.8	839.6	892.3	809.2	719.1	694.2	695.5
72.5°	11461.2	11477.8	7350.3	1004.5	662.3	737.1	778.7	723.3	636.0	611.0	609.6
75°	9913.5	9492.3	5396.7	662.3	554.2	633.2	672.0	633.2	548.7	554.2	534.8
77.5°	7511.0	6722.6	3276.8	471.1	462.8	532.0	584.7	557.0	484.9	544.5	479.4
80°	3869.8	3637.0	1461.7	351.9	365.8	425.4	480.8	444.8	383.8	365.8	333.9
82.5°	886.7	1030.8	576.4	252.2	264.6	306.2	367.2	333.9	275.7	232.8	230.0
85°	310.4	339.5	254.9	158.0	155.2	191.2	249.4	223.1	187.0	149.6	158.0
87.5°	98.4	128.9	95.6	63.7	66.5	85.9	115.0	105.3	87.3	56.8	59.6
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)