

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: P942797

Luminaire Tested: **GALN-SB7A-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942797
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-SB7A-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26371 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

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



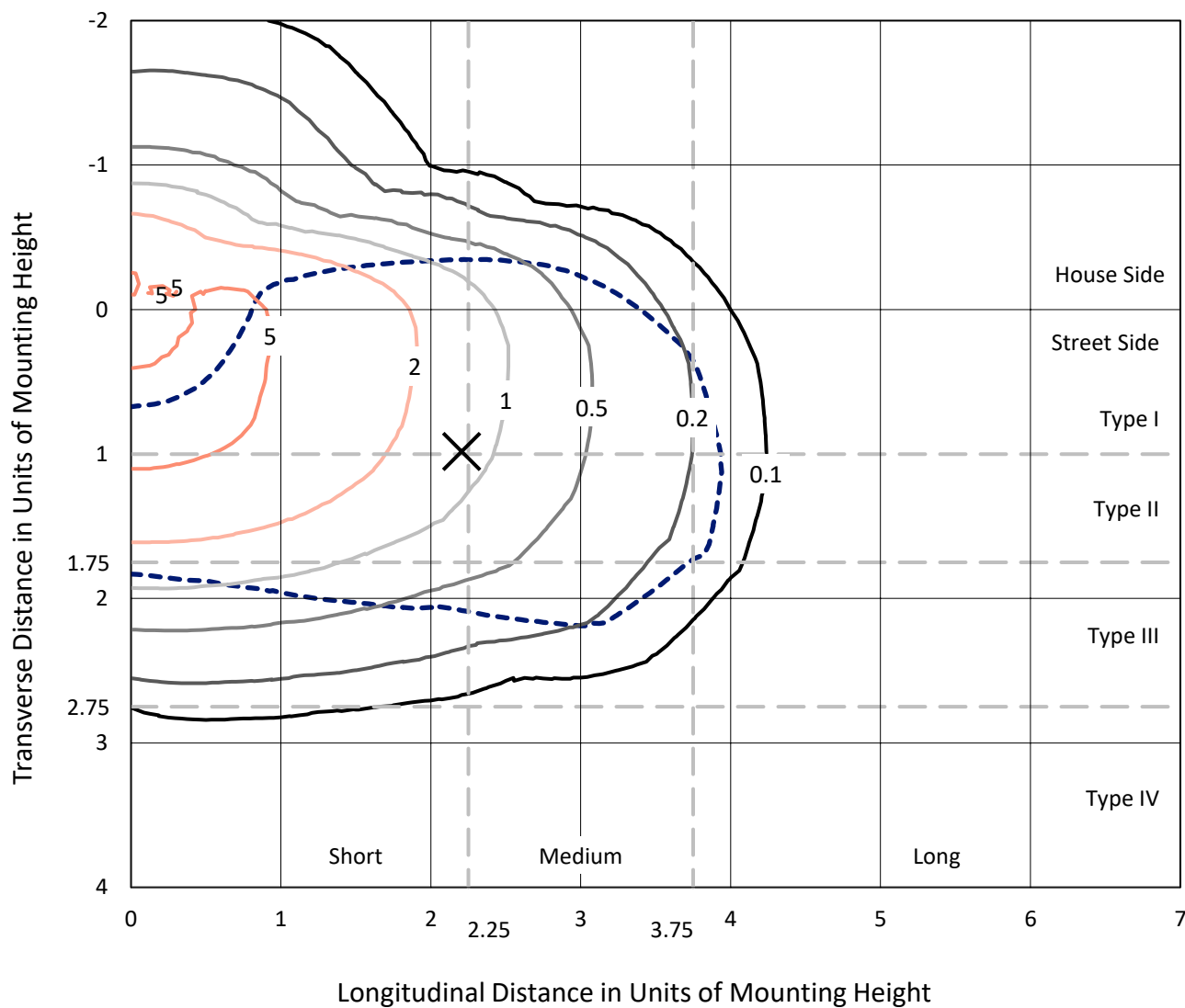
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

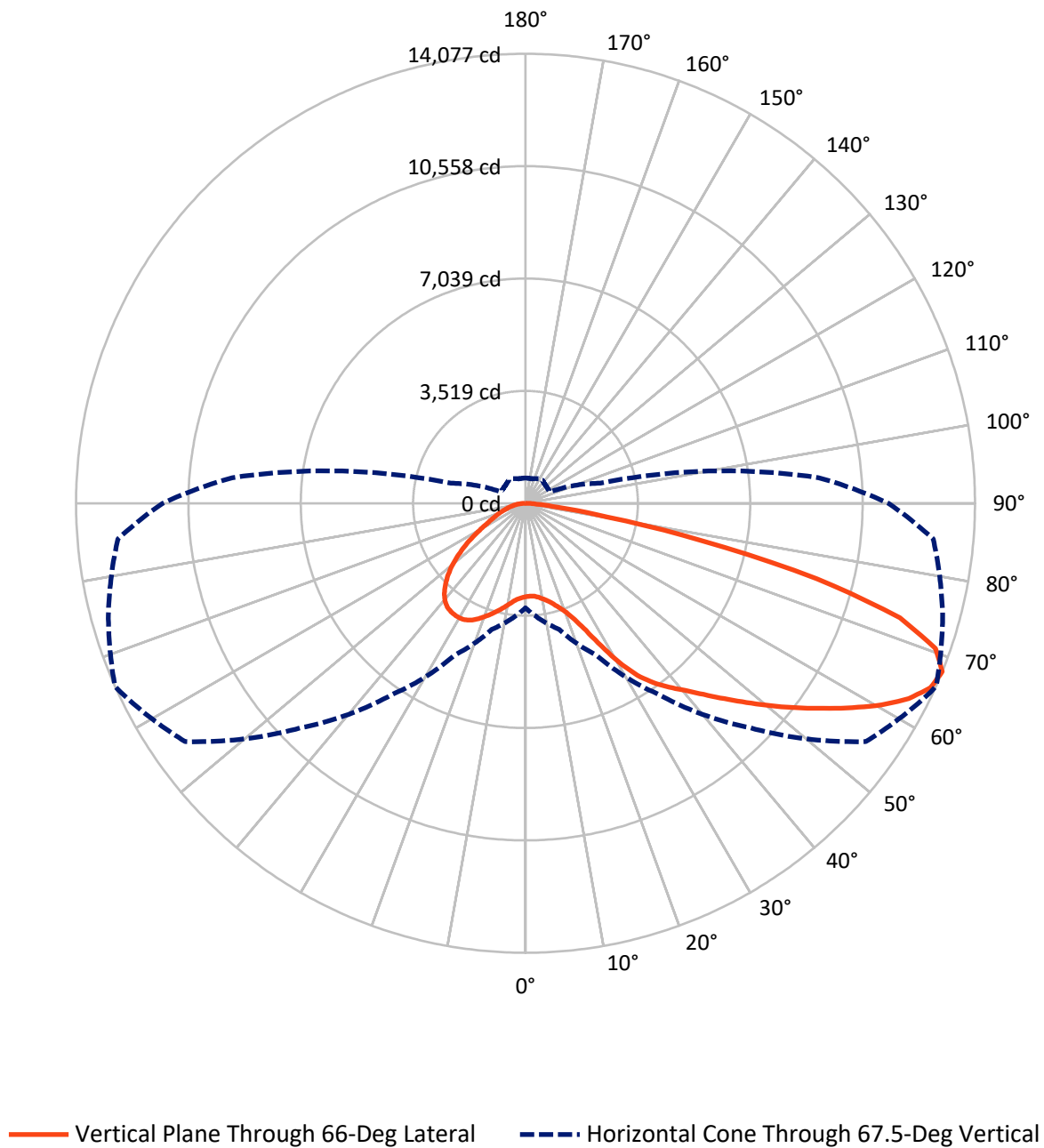


Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6557.1	0.0	6557.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	19813.9	0.0	19813.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	26371.0	0.0	26371.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.0	1.1
10°-20°	958.1	3.6
20°-30°	1846.7	7.0
30°-40°	3237.9	12.3
40°-50°	4813.7	18.3
50°-60°	6101.8	23.1
60°-70°	5970.5	22.6
70°-80°	2848.0	10.8
80°-90°	304.4	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°	26371.0	100.0
0°-180°	26371.0	100.0

Coefficient of Utilization



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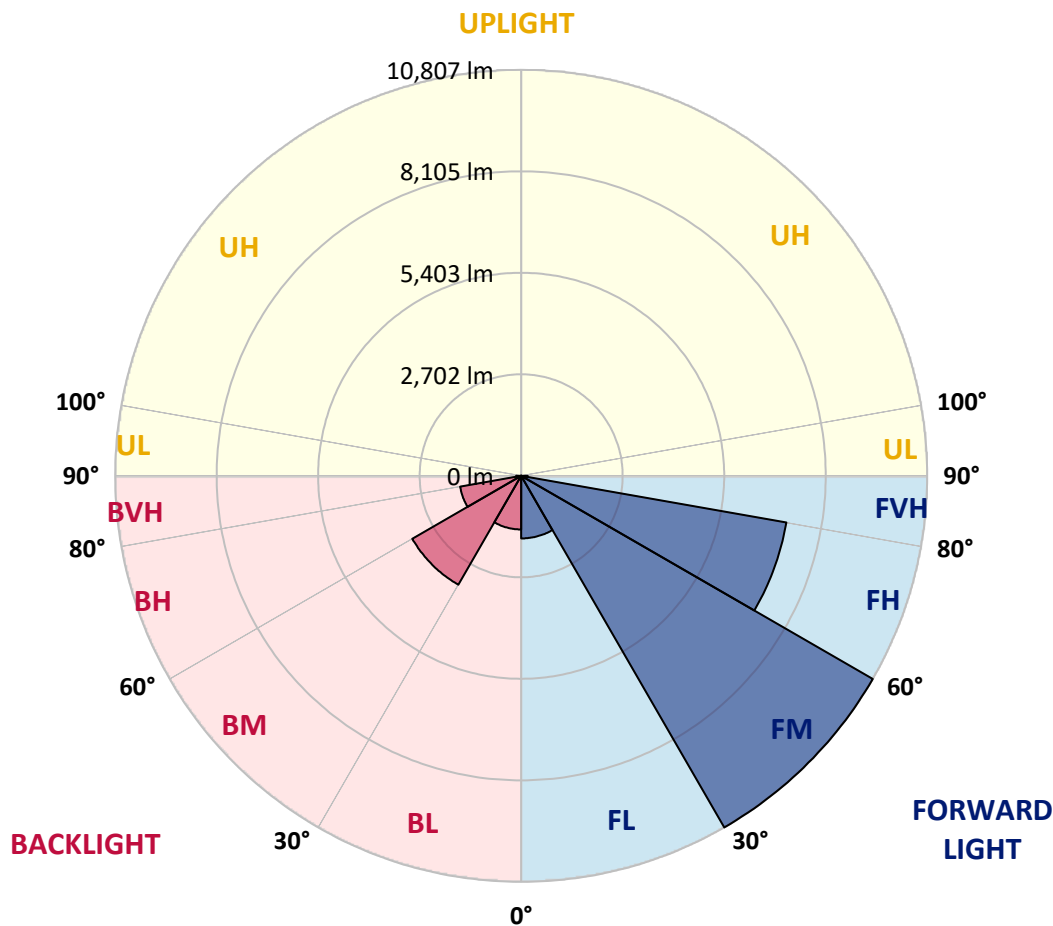
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1666.4	6.3			
FM	(30°-60°)	10806.6	41.0			
FH	(60°-80°)	7168.4	27.2			G3/7500
FVH	(80°-90°)	172.6	0.7			G2/225
BL	(0°-30°)	1428.4	5.4	B3/2500		
BM	(30°-60°)	3346.8	12.7	B3/5000		
BH	(60°-80°)	1650.1	6.3	B3/2500		G3/2500
BVH	(80°-90°)	131.8	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°	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9
2.5°	2894.4	2911.0	2906.9	2900.0	2898.6	2901.3	2905.5	2909.7	2908.3	2915.2	2926.3
5°	2886.1	2902.7	2901.3	2901.3	2906.9	2918.0	2924.9	2931.8	2924.9	2933.2	2948.4
7.5°	2891.6	2904.1	2909.7	2915.2	2929.0	2949.8	2966.5	2981.7	2973.4	2983.1	3002.5
10°	2962.3	2972.0	2977.5	2977.5	2987.2	3010.8	3027.4	3055.1	3048.2	3063.4	3088.4
12.5°	3091.2	3100.9	3100.9	3095.3	3102.2	3117.5	3123.0	3153.5	3141.0	3166.0	3190.9
15°	3249.1	3268.5	3253.3	3243.6	3246.3	3261.6	3260.2	3283.7	3271.3	3292.1	3314.2
17.5°	3423.7	3448.6	3423.7	3422.3	3416.8	3433.4	3434.8	3455.6	3433.4	3448.6	3463.9
20°	3630.1	3664.8	3644.0	3650.9	3638.4	3645.4	3652.3	3682.8	3648.1	3659.2	3655.1
22.5°	3921.1	3962.7	3940.5	3966.8	3958.5	3953.0	3951.6	4005.6	3951.6	3955.7	3915.6
25°	4345.1	4395.0	4356.2	4392.2	4392.2	4410.2	4431.0	4500.3	4410.2	4383.9	4280.0
27.5°	4971.3	5021.2	4945.0	4967.2	4960.3	5004.6	4982.4	5154.2	5057.3	5014.3	4805.1
30°	5725.1	5813.8	5669.7	5664.1	5657.2	5727.9	5759.7	5873.3	5775.0	5732.0	5479.8
32.5°	6539.8	6632.6	6460.8	6410.9	6384.6	6427.6	6401.2	6492.7	6424.8	6358.3	6046.5
35°	7401.6	7493.0	7329.6	7232.6	7127.3	7037.2	6943.0	6966.5	6902.8	6801.7	6478.8
37.5°	8216.3	8384.0	8210.8	8106.8	7912.9	7736.9	7473.6	7364.2	7304.6	7211.8	6886.2
40°	9046.2	9141.8	9010.2	8921.5	8710.9	8435.2	8014.0	7782.6	7702.3	7612.2	7336.5
42.5°	9657.3	9748.7	9678.1	9617.1	9452.2	9132.1	8587.6	8298.0	8181.7	8080.5	7846.4
45°	10142.2	10210.1	10165.8	10187.9	10117.3	9806.9	9182.0	8850.9	8730.3	8607.0	8422.7
47.5°	10337.6	10409.6	10480.3	10611.9	10732.5	10503.8	9820.8	9449.4	9322.0	9195.9	9014.4
50°	10315.4	10388.8	10593.9	10873.8	11247.9	11171.7	10494.1	10086.8	9969.0	9824.9	9657.3
52.5°	10138.1	10221.2	10484.4	10950.0	11545.8	11671.9	11180.0	10744.9	10634.1	10462.3	10294.6
55°	9672.5	9722.4	10117.3	10776.8	11616.4	12021.0	11852.0	11446.0	11335.2	11095.5	10912.6
57.5°	8809.3	8881.4	9456.4	10309.9	11439.1	12257.9	12442.2	12183.1	12076.4	11731.4	11540.2
60°	7682.9	7797.9	8456.0	9525.6	10987.4	12256.6	12978.4	12907.8	12819.1	12357.7	12158.2
62.5°	6408.2	6541.2	7174.4	8417.2	10197.6	11908.8	13313.7	13514.6	13468.9	12935.5	12680.5
65°	4921.5	5012.9	5643.3	6983.2	8968.7	11162.0	13352.5	13928.9	13937.2	13374.7	12953.5
67.5°	3276.8	3540.1	4087.4	5240.1	7322.6	9941.3	13011.7	13996.8	14077.2	13525.7	12816.3
70°	1598.9	1945.3	2481.5	3405.7	5240.1	8069.4	12120.8	13439.8	13618.6	13085.1	11998.8
72.5°	663.7	775.9	1068.3	1680.7	3008.0	5445.2	10330.6	11929.6	12260.7	11594.3	10088.2
75°	447.5	484.9	611.0	861.8	1370.3	2685.2	7450.1	8895.2	9428.7	8756.7	7157.7
77.5°	345.0	368.6	444.8	602.7	814.7	1015.6	3987.6	5360.7	5636.4	5218.0	3724.4
80°	271.6	289.6	332.5	439.2	577.8	543.1	1359.2	2428.9	2588.2	2171.2	1197.1
82.5°	235.5	242.5	238.3	297.9	383.8	317.3	446.1	896.4	989.3	717.7	390.7
85°	170.4	189.8	198.1	184.3	203.7	160.7	182.9	317.3	349.2	311.7	220.3
87.5°	69.3	102.5	126.1	119.2	74.8	45.7	56.8	92.8	106.7	116.4	72.0
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°	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9	2924.9
2.5°	2927.7	2937.4	2944.3	2952.6	2958.1	2966.5	2983.1	2992.8	2994.2	3001.1	2999.7
5°	2954.0	2967.8	2983.1	3005.3	3030.2	3051.0	3082.8	3105.0	3113.3	3120.3	3118.9
7.5°	3010.8	3030.2	3057.9	3096.7	3132.7	3160.4	3199.2	3225.6	3251.9	3261.6	3263.0
10°	3095.3	3123.0	3163.2	3215.9	3254.7	3290.7	3330.9	3353.0	3379.4	3390.4	3396.0
12.5°	3200.6	3229.7	3282.4	3355.8	3391.8	3416.8	3430.6	3425.1	3430.6	3440.3	3443.1
15°	3321.2	3353.0	3412.6	3491.6	3516.5	3494.4	3463.9	3436.2	3432.0	3434.8	3444.5
17.5°	3463.9	3487.4	3556.7	3623.2	3605.2	3513.8	3447.2	3402.9	3380.7	3373.8	3383.5
20°	3663.4	3663.4	3720.2	3761.8	3641.2	3486.0	3382.1	3310.1	3264.4	3245.0	3240.8
22.5°	3905.9	3883.7	3919.7	3890.6	3634.3	3408.4	3264.4	3139.7	3070.4	3042.7	3038.5
25°	4213.5	4187.1	4177.4	3997.3	3584.4	3285.1	3051.0	2900.0	2839.0	2823.7	2826.5
27.5°	4677.6	4611.1	4485.0	4055.5	3493.0	3091.2	2801.6	2661.6	2627.0	2628.4	2632.5
30°	5295.6	5162.6	4853.6	4065.2	3343.3	2816.8	2546.6	2446.9	2430.3	2437.2	2460.7
32.5°	5867.8	5741.7	5230.4	4020.9	3113.3	2548.0	2318.0	2251.5	2226.6	2234.9	2246.0
35°	6316.7	6282.1	5579.6	3958.5	2830.7	2295.9	2113.0	2056.2	2007.7	1996.6	2004.9
37.5°	6740.7	6726.8	5841.5	3871.2	2550.8	2117.1	1948.1	1873.3	1802.6	1763.8	1765.2
40°	7206.2	7192.4	6013.3	3736.8	2302.8	1961.9	1799.8	1701.5	1614.2	1543.5	1550.4
42.5°	7730.0	7648.2	6095.0	3544.2	2092.2	1830.3	1679.3	1546.3	1431.3	1366.2	1370.3
45°	8302.2	8117.9	6093.6	3299.0	1914.8	1709.8	1550.4	1362.0	1255.3	1194.3	1191.6
47.5°	8909.1	8566.8	6018.8	3027.4	1743.0	1576.8	1350.9	1206.8	1136.1	1098.7	1090.4
50°	9535.3	8986.7	5891.4	2715.7	1567.1	1425.7	1226.2	1127.8	1073.8	1039.2	1026.7
52.5°	10124.2	9367.7	5737.6	2362.4	1388.3	1278.9	1170.8	1094.6	1037.8	999.0	982.4
55°	10671.5	9696.1	5520.0	2000.7	1242.8	1180.5	1144.5	1080.7	1015.6	969.9	951.9
57.5°	11157.8	9909.4	5144.5	1661.3	1138.9	1112.6	1116.8	1057.2	982.4	943.6	918.6
60°	11562.4	10066.0	4588.9	1346.8	1054.4	1046.1	1073.8	1012.8	925.5	881.2	861.8
62.5°	11804.9	10063.2	3907.2	1102.9	982.4	985.1	1017.0	957.4	868.7	827.2	814.7
65°	11784.1	9816.6	3159.1	943.6	913.1	915.8	957.4	896.4	821.6	796.7	795.3
67.5°	11367.0	9215.3	2423.3	839.6	836.9	849.3	897.8	854.9	792.5	789.8	793.9
70°	10237.8	7966.9	1745.8	756.5	757.9	775.9	839.6	828.6	777.3	782.8	781.4
72.5°	8209.4	6074.2	1172.2	669.2	670.6	699.7	784.2	807.8	762.1	835.5	846.6
75°	5467.4	3788.1	753.7	576.4	577.8	615.2	735.7	767.6	720.5	832.7	839.6
77.5°	2627.0	1702.8	545.9	484.9	484.9	519.6	636.0	687.2	613.8	647.1	593.0
80°	907.5	640.1	429.5	390.7	382.4	406.0	536.2	595.8	529.3	487.7	457.2
82.5°	357.5	332.5	345.0	303.4	275.7	291.0	417.1	491.9	389.3	351.9	350.5
85°	205.1	216.1	243.9	200.9	159.3	178.7	306.2	353.3	293.7	259.1	264.6
87.5°	55.4	76.2	112.2	103.9	72.0	76.2	145.5	195.4	169.0	130.2	134.4
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)