

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: P944158

Luminaire Tested: **GALN-SB9A-722-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB9A-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25555 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 255.5
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



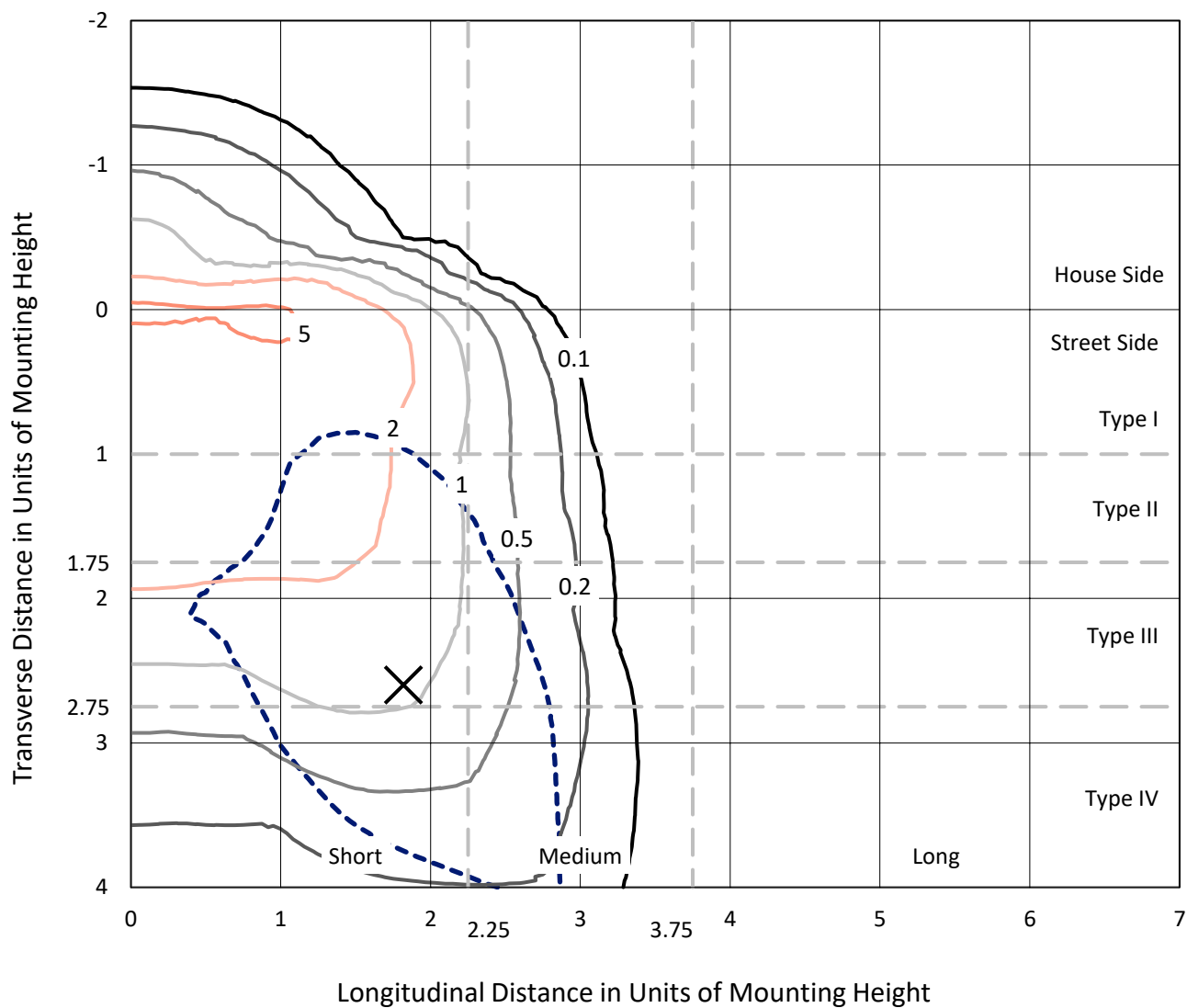
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Iso-Footcandle Lines of Horizontal Illumination

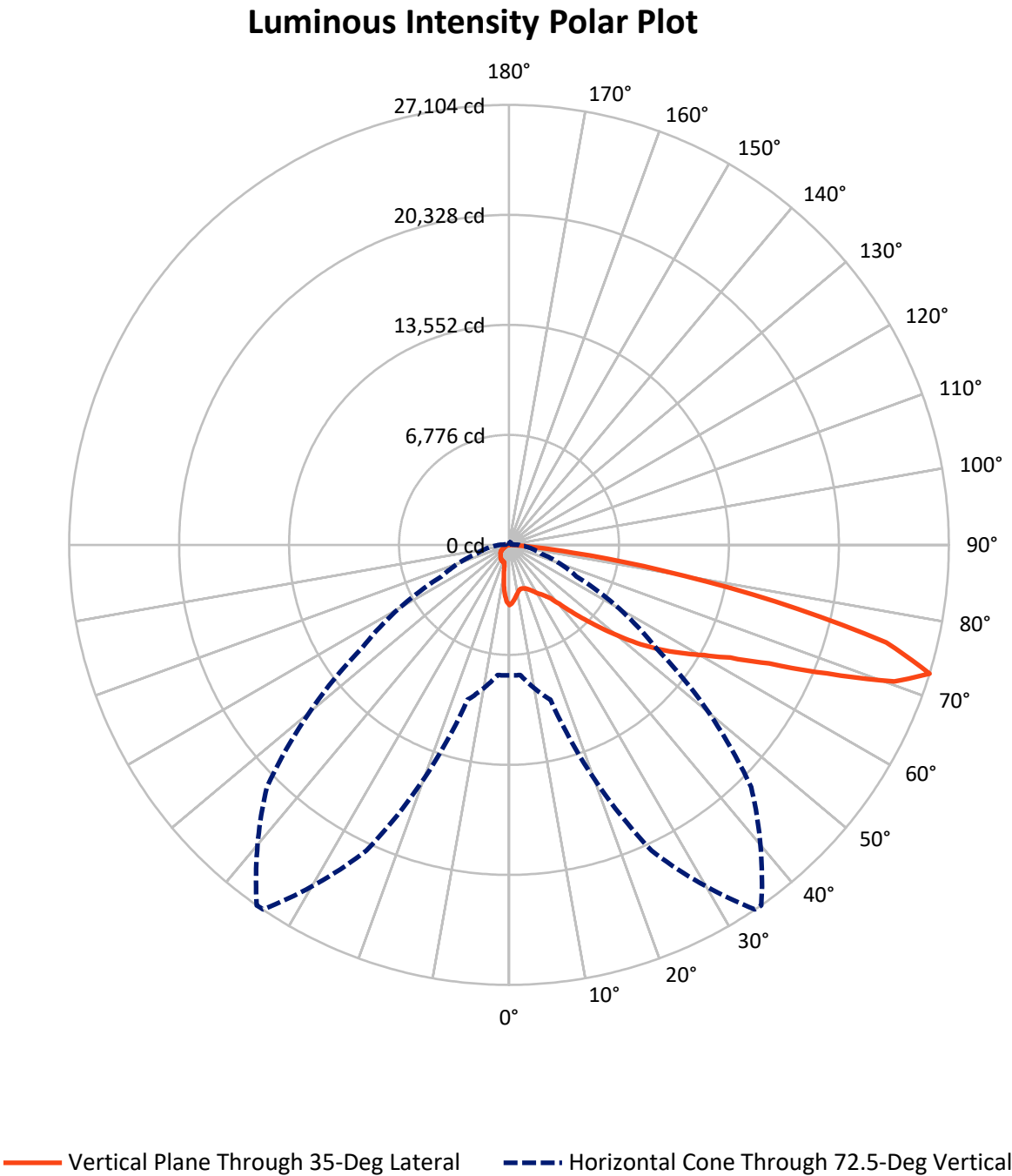
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2876.1	0.0	2876.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	22678.9	0.0	22678.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	25555.0	0.0	25555.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.4	1.2
10°-20°	712.0	2.8
20°-30°	1156.6	4.5
30°-40°	1929.8	7.6
40°-50°	3651.2	14.3
50°-60°	5801.8	22.7
60°-70°	7177.2	28.1
70°-80°	4461.4	17.5
80°-90°	360.6	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°	25555.0	100.0
0°-180°	25555.0	100.0

Coefficient of Utilization



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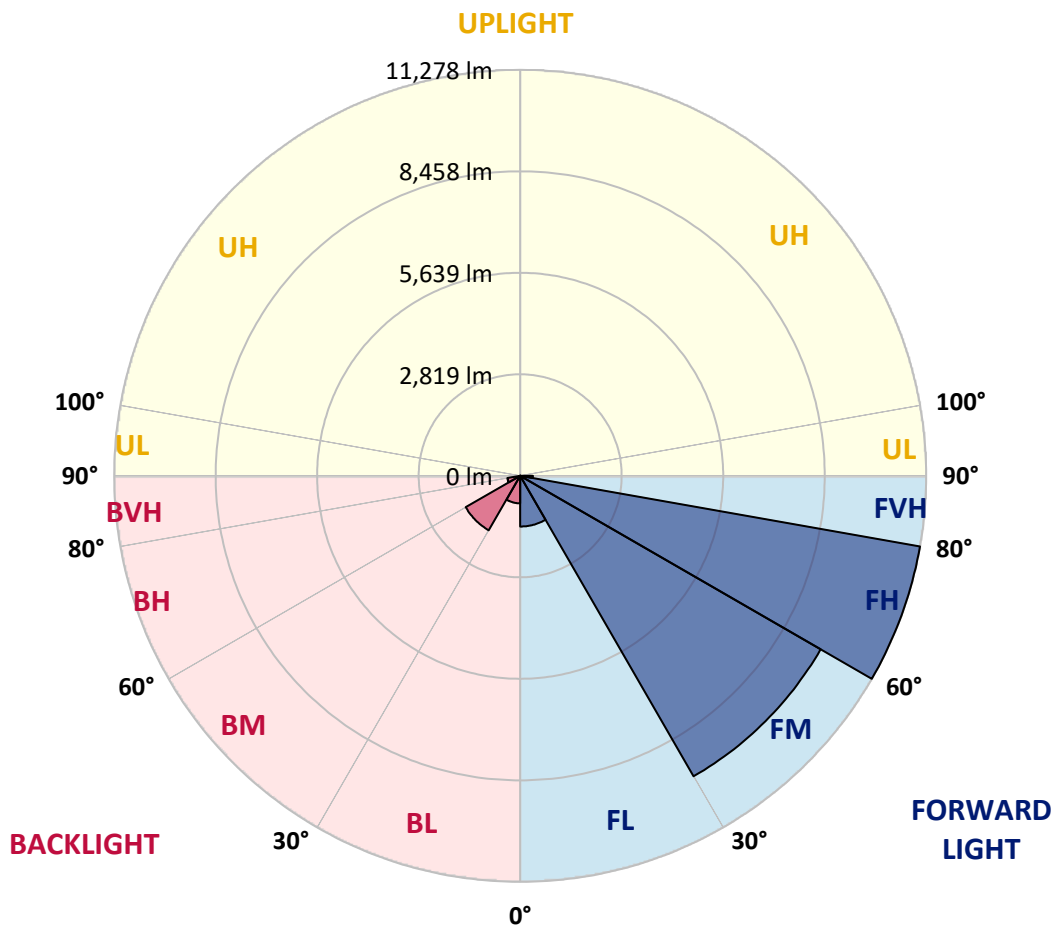
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1408.7	5.5			
FM	(30°-60°)	9636.8	37.7			
FH	(60°-80°)	11277.7	44.1			G4/12000
FVH	(80°-90°)	355.6	1.4			G3/500
BL	(0°-30°)	764.2	3.0	B2/1000		
BM	(30°-60°)	1746.1	6.8	B2/2500		
BH	(60°-80°)	360.9	1.4	B1/500		G1/500
BVH	(80°-90°)	4.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8
2.5°	3539.0	3569.0	3574.6	3583.9	3583.9	3595.2	3613.9	3640.1	3683.2	3705.6	3720.6
5°	3261.9	3284.3	3312.4	3334.9	3378.0	3383.6	3456.6	3527.8	3627.0	3701.9	3754.3
7.5°	2982.9	3009.1	3046.5	3100.8	3157.0	3173.9	3284.3	3404.2	3561.5	3701.9	3789.9
10°	2786.3	2788.1	2821.8	2876.1	2966.0	2986.6	3121.4	3291.8	3488.4	3679.4	3823.6
12.5°	2675.8	2688.9	2703.9	2745.1	2831.2	2844.3	2988.5	3188.8	3415.4	3666.3	3862.9
15°	2675.8	2685.1	2694.5	2715.1	2784.4	2795.6	2922.9	3123.3	3378.0	3671.9	3926.6
17.5°	2703.9	2718.8	2711.4	2735.7	2808.7	2816.2	2928.6	3104.6	3376.1	3707.5	4024.0
20°	2771.3	2782.5	2767.5	2782.5	2855.5	2870.5	2986.6	3140.2	3407.9	3769.3	4145.7
22.5°	2878.0	2883.6	2848.1	2859.3	2934.2	2952.9	3087.7	3241.3	3484.7	3868.6	4308.6
25°	3012.8	3024.1	2969.8	2982.9	3054.0	3076.5	3231.9	3392.9	3606.4	4005.2	4516.4
27.5°	3168.2	3173.9	3127.1	3125.2	3216.9	3248.8	3406.1	3580.2	3769.3	4177.5	4778.6
30°	3346.1	3363.0	3318.0	3310.6	3426.6	3452.9	3608.3	3810.5	4009.0	4435.9	5151.2
32.5°	3486.6	3499.7	3473.5	3492.2	3610.2	3630.7	3853.6	4136.3	4385.4	4802.9	5658.7
35°	3688.8	3696.3	3636.4	3670.1	3804.9	3857.3	4188.8	4593.2	4859.1	5263.6	6321.5
37.5°	4420.9	4420.9	4166.3	3999.6	4128.8	4175.6	4647.5	5168.1	5443.3	5881.5	7156.6
40°	5434.0	5417.1	5044.5	4703.7	4686.8	4778.6	5301.0	5892.7	6197.9	6623.0	8096.6
42.5°	6514.4	6488.2	5980.7	5643.7	5587.5	5619.3	6055.6	6785.9	7096.7	7527.4	9107.8
45°	7473.1	7465.6	7001.2	6548.1	6447.0	6548.1	6997.5	7830.7	8053.6	8506.7	10117.0
47.5°	8276.4	8276.4	7937.5	7641.6	7589.2	7649.1	8272.6	8989.8	8969.2	9549.7	11100.1
50°	9201.4	9193.9	8871.8	8744.5	8798.8	8883.1	9740.7	10210.7	9916.7	10573.9	11978.3
52.5°	9849.3	9894.2	9783.7	9763.1	10040.3	10186.3	11231.2	11405.3	10764.9	11545.7	12635.5
55°	10362.3	10414.8	10542.1	10686.3	11219.9	11410.9	12674.9	12538.2	11474.6	12388.4	13013.8
57.5°	11088.9	11014.0	11210.6	11495.2	12358.4	12588.7	14073.6	13607.4	12045.7	13071.8	13055.0
60°	11970.8	11982.0	12015.7	12375.3	13495.0	13790.9	15451.8	14618.5	12412.7	13491.3	12598.1
62.5°	13030.6	13047.5	13116.8	13669.1	15021.1	15300.1	16919.8	15446.1	12581.2	13373.3	11418.4
65°	12957.6	13028.8	13802.1	15691.4	17341.1	17616.3	18633.1	16026.6	12326.6	12294.7	9296.9
67.5°	11804.1	11920.2	13214.1	18106.9	20838.9	21146.0	20704.1	16140.8	11227.4	9560.9	6065.0
70°	10291.2	10332.4	11888.4	20279.0	24889.1	25199.9	22557.8	14884.4	8519.8	5332.8	2717.0
72.5°	8036.7	8046.1	9871.7	20782.7	27087.4	27104.2	21102.9	11049.5	4582.0	2048.5	943.7
75°	5741.0	5684.9	6611.7	16854.2	23831.1	24022.1	15820.6	5183.0	1750.8	968.1	470.0
77.5°	3078.4	3140.2	3741.2	9995.3	16462.9	16788.7	8632.2	1494.2	891.3	659.1	310.8
80°	951.2	1003.7	1533.6	4576.4	9325.0	9521.6	3200.1	664.7	621.7	470.0	204.1
82.5°	299.6	310.8	715.3	1923.0	3870.4	3960.3	926.9	376.4	425.1	310.8	119.8
85°	86.1	88.0	318.3	717.2	956.8	975.6	260.3	146.1	243.4	192.9	61.8
87.5°	9.4	30.0	119.8	119.8	84.3	82.4	28.1	31.8	69.3	24.3	11.2
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°	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8	3703.8
2.5°	3711.3	3713.1	3688.8	3647.6	3602.7	3565.2	3518.4	3481.0	3454.7	3447.2	3460.4
5°	3737.5	3724.4	3655.1	3529.6	3379.8	3250.6	3106.5	2992.2	2917.3	2885.5	2896.7
7.5°	3776.8	3739.4	3587.7	3340.5	3054.0	2799.4	2541.0	2340.6	2213.3	2149.6	2159.0
10°	3810.5	3735.6	3475.3	3067.1	2629.0	2243.2	1895.0	1653.4	1518.6	1454.9	1456.8
12.5°	3842.3	3733.7	3329.3	2743.2	2149.6	1677.7	1353.8	1234.0	1196.5	1183.4	1179.7
15°	3902.3	3739.4	3145.8	2372.4	1672.1	1267.7	1149.7	1147.8	1155.3	1151.6	1149.7
17.5°	3984.6	3745.0	2937.9	1979.2	1290.1	1117.9	1112.3	1129.1	1140.3	1134.7	1132.9
20°	4091.4	3767.4	2717.0	1589.7	1108.5	1080.4	1093.5	1108.5	1117.9	1108.5	1106.6
22.5°	4241.2	3806.8	2475.4	1277.0	1050.5	1058.0	1069.2	1086.0	1095.4	1082.3	1080.4
25°	4424.7	3868.6	2237.6	1110.4	1022.4	1031.7	1048.6	1067.3	1078.6	1065.4	1063.6
27.5°	4662.5	3967.8	2018.5	1072.9	994.3	999.9	1024.2	1052.3	1067.3	1050.5	1050.5
30°	5007.0	4130.7	1829.4	1089.8	977.4	964.3	998.0	1037.4	1054.2	1039.2	1037.4
32.5°	5463.9	4361.0	1713.3	1116.0	969.9	923.1	955.0	1005.5	1033.6	1024.2	1024.2
35°	6063.1	4711.2	1668.4	1146.0	964.3	880.1	902.5	956.8	1005.5	1014.9	1014.9
37.5°	6789.6	5198.0	1681.5	1159.1	947.5	844.5	855.7	902.5	966.2	996.2	1003.7
40°	7615.4	5765.4	1756.4	1146.0	928.8	814.5	816.4	852.0	908.2	953.1	968.1
42.5°	8467.4	6428.2	1895.0	1097.3	911.9	788.3	782.7	807.0	844.5	876.3	889.4
45°	9278.2	7109.8	2031.6	1029.9	891.3	762.1	749.0	758.4	765.8	779.0	786.4
47.5°	9986.0	7589.2	1992.3	968.1	863.2	732.1	709.7	705.9	683.5	681.6	679.7
50°	10474.7	7694.0	1769.5	906.3	822.0	698.4	662.9	640.4	601.1	582.3	584.2
52.5°	10630.1	7280.2	1445.6	844.5	754.6	653.5	602.9	567.4	518.7	501.8	500.0
55°	10424.1	6469.4	1155.3	769.6	661.0	593.6	537.4	490.6	451.3	430.7	430.7
57.5°	9920.4	5437.7	913.8	681.6	561.7	526.2	470.0	423.2	389.5	368.9	365.1
60°	9085.3	4318.0	722.8	576.7	479.4	453.1	395.1	365.1	335.2	310.8	305.2
62.5°	7817.6	3082.1	567.4	456.9	400.7	370.8	337.0	314.6	279.0	245.3	239.7
65°	6100.6	1885.6	438.2	335.2	322.1	307.1	286.5	265.9	222.8	189.1	183.5
67.5°	3848.0	893.2	312.7	252.8	254.7	247.2	237.8	221.0	189.1	159.2	155.4
70°	1694.6	432.5	206.0	192.9	189.1	189.1	196.6	191.0	161.0	132.9	127.3
72.5°	576.7	232.2	153.5	146.1	136.7	134.8	164.8	159.2	129.2	103.0	97.4
75°	301.5	155.4	112.3	104.9	82.4	99.2	131.1	123.6	91.8	67.4	61.8
77.5°	196.6	110.5	76.8	67.4	46.8	65.5	97.4	86.1	54.3	33.7	30.0
80°	123.6	73.0	44.9	31.8	22.5	35.6	52.4	37.4	20.6	7.5	5.6
82.5°	65.5	37.4	16.9	11.2	9.4	11.2	13.1	9.4	3.7	0.0	0.0
85°	26.2	13.1	5.6	3.7	1.9	0.0	3.7	1.9	0.0	0.0	0.0
87.5°	9.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)