

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: P942117

Luminaire Tested: **GALN-SB6A-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942117
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-SB6A-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 22486 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 170.9
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

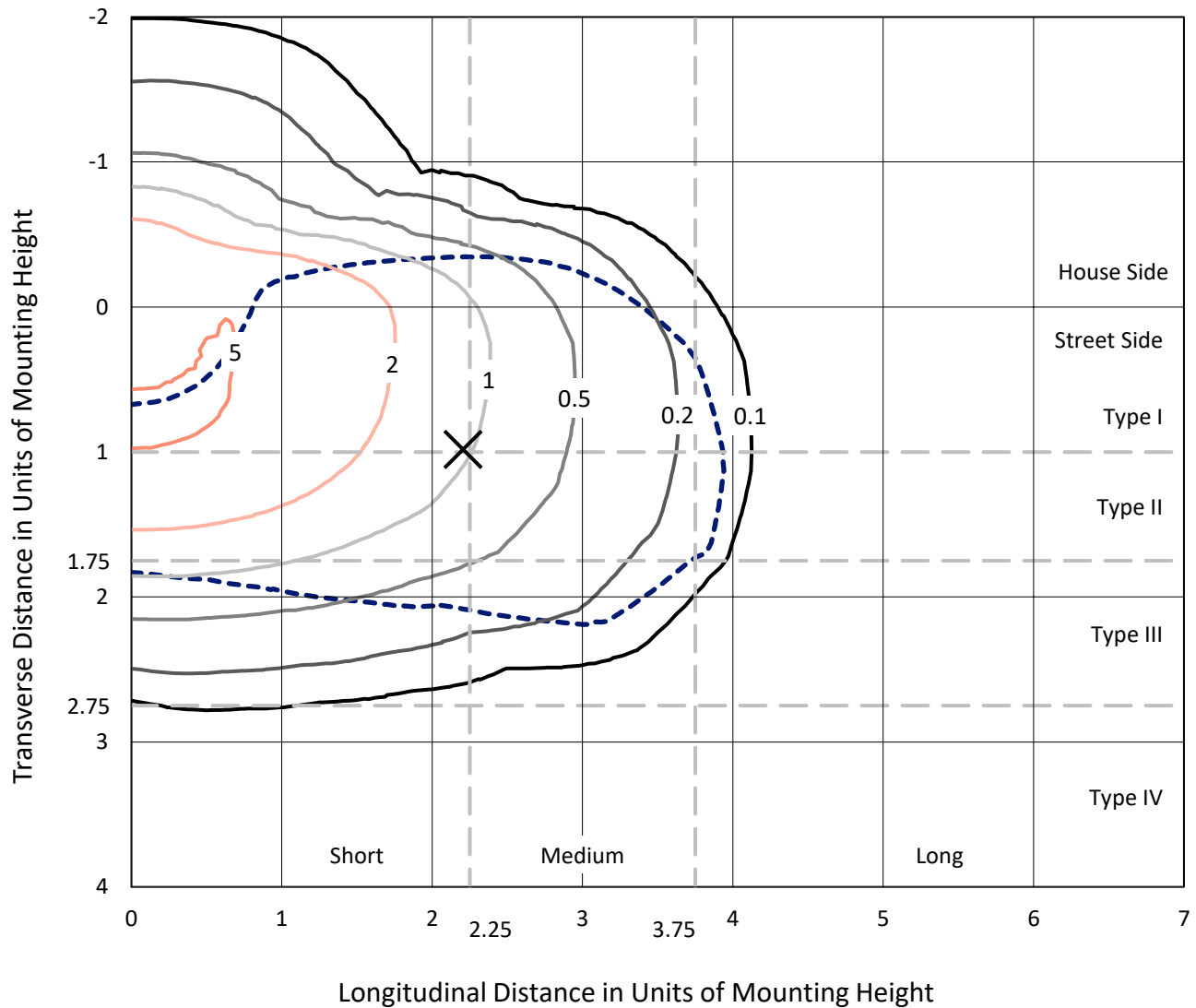


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

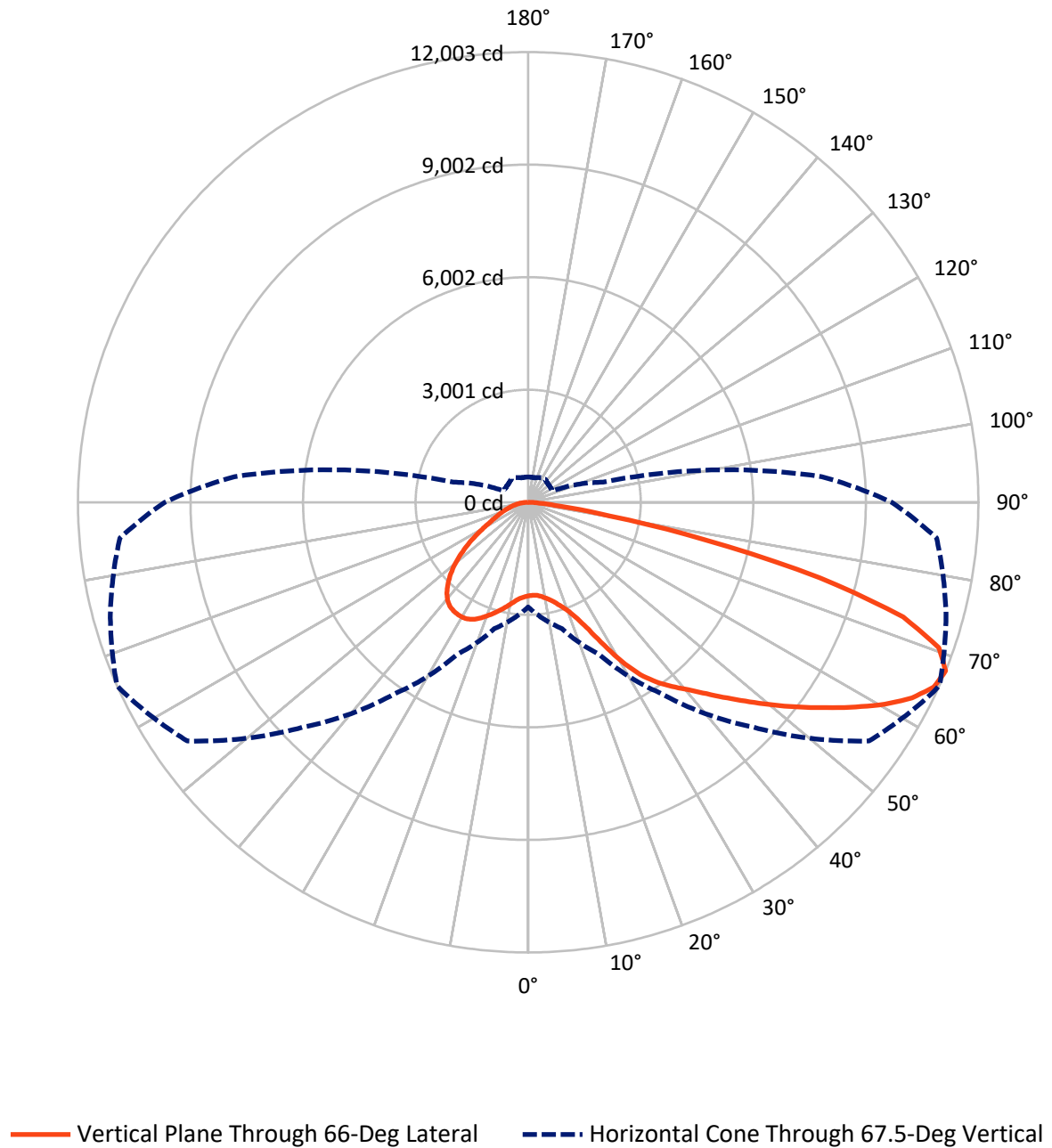


Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5591.1	0.0	5591.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	16894.9	0.0	16894.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	22486.0	0.0	22486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	1.1
10°-20°	816.9	3.6
20°-30°	1574.6	7.0
30°-40°	2760.9	12.3
40°-50°	4104.5	18.3
50°-60°	5202.9	23.1
60°-70°	5090.9	22.6
70°-80°	2428.4	10.8
80°-90°	259.5	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°	22486.0	100.0
0°-180°	22486.0	100.0

Coefficient of Utilization



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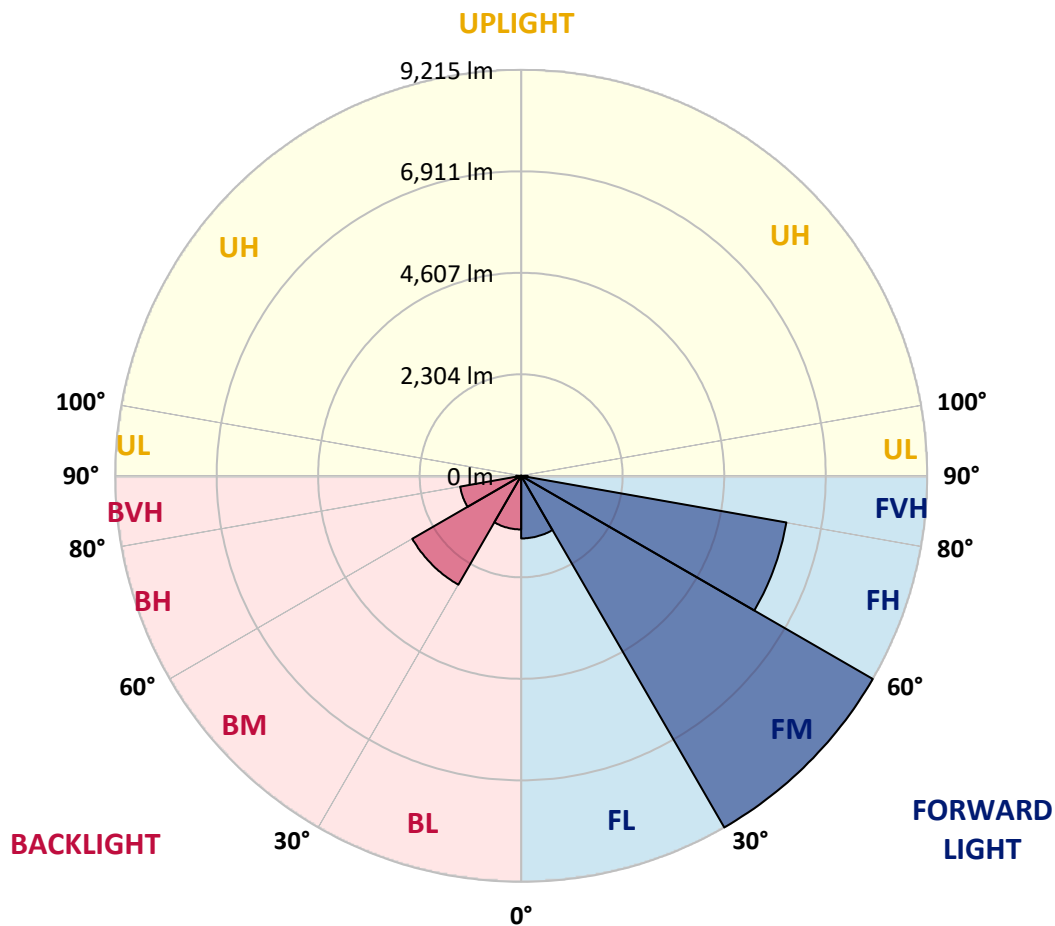
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1420.9	6.3			
FM	(30°-60°)	9214.6	41.0			
FH	(60°-80°)	6112.3	27.2			G3/7500
FVH	(80°-90°)	147.1	0.7			G2/225
BL	(0°-30°)	1217.9	5.4	B3/2500		
BM	(30°-60°)	2853.7	12.7	B3/5000		
BH	(60°-80°)	1407.0	6.3	B3/2500		G3/2500
BVH	(80°-90°)	112.4	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°	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0
2.5°	2468.0	2482.2	2478.6	2472.7	2471.5	2473.9	2477.5	2481.0	2479.8	2485.7	2495.2
5°	2460.9	2475.1	2473.9	2473.9	2478.6	2488.1	2494.0	2499.9	2494.0	2501.1	2514.1
7.5°	2465.6	2476.3	2481.0	2485.7	2497.5	2515.3	2529.4	2542.4	2535.3	2543.6	2560.2
10°	2525.9	2534.2	2538.9	2538.9	2547.2	2567.2	2581.4	2605.0	2599.1	2612.1	2633.4
12.5°	2635.8	2644.0	2644.0	2639.3	2645.2	2658.2	2662.9	2688.9	2678.3	2699.6	2720.8
15°	2770.4	2787.0	2774.0	2765.7	2768.1	2781.1	2779.9	2800.0	2789.4	2807.1	2826.0
17.5°	2919.3	2940.6	2919.3	2918.1	2913.4	2927.6	2928.8	2946.5	2927.6	2940.6	2953.6
20°	3095.3	3124.9	3107.2	3113.1	3102.4	3108.3	3114.2	3140.2	3110.7	3120.2	3116.6
22.5°	3343.4	3378.9	3360.0	3382.4	3375.3	3370.6	3369.4	3415.5	3369.4	3373.0	3338.7
25°	3705.0	3747.5	3714.4	3745.1	3745.1	3760.5	3778.2	3837.3	3760.5	3738.0	3649.4
27.5°	4239.0	4281.5	4216.5	4235.4	4229.5	4267.3	4248.4	4394.9	4312.2	4275.6	4097.2
30°	4881.7	4957.3	4834.4	4829.7	4823.8	4884.0	4911.2	5008.1	4924.2	4887.6	4672.5
32.5°	5576.3	5655.5	5509.0	5466.5	5444.0	5480.6	5458.2	5536.2	5478.3	5421.6	5155.8
35°	6311.2	6389.2	6249.8	6167.1	6077.3	6000.5	5920.1	5940.2	5885.9	5799.6	5524.4
37.5°	7005.9	7148.8	7001.1	6912.5	6747.1	6597.1	6372.6	6279.3	6228.5	6149.3	5871.7
40°	7713.5	7795.1	7682.8	7607.2	7427.6	7192.5	6833.4	6636.1	6567.6	6490.8	6255.7
42.5°	8234.6	8312.5	8252.3	8200.3	8059.7	7786.8	7322.5	7075.6	6976.3	6890.1	6690.4
45°	8648.1	8705.9	8668.1	8687.0	8626.8	8362.1	7829.3	7547.0	7444.2	7339.0	7181.9
47.5°	8814.6	8876.1	8936.3	9048.6	9151.3	8956.4	8374.0	8057.3	7948.6	7841.1	7686.4
50°	8795.7	8858.3	9033.2	9271.8	9590.8	9525.9	8948.1	8600.8	8500.4	8377.5	8234.6
52.5°	8644.5	8715.4	8939.9	9336.8	9844.8	9952.3	9532.9	9162.0	9067.5	8921.0	8778.0
55°	8247.5	8290.1	8626.8	9189.1	9905.1	10250.1	10105.9	9759.8	9665.3	9460.9	9304.9
57.5°	7511.5	7573.0	8063.2	8791.0	9753.9	10452.1	10609.2	10388.3	10297.3	10003.2	9840.1
60°	6551.0	6649.1	7210.3	8122.3	9368.7	10450.9	11066.4	11006.2	10930.6	10537.2	10367.0
62.5°	5464.1	5577.5	6117.4	7177.2	8695.3	10154.4	11352.3	11523.6	11484.7	11029.8	10812.4
65°	4196.4	4274.4	4812.0	5954.4	7647.4	9517.6	11385.4	11876.9	11884.0	11404.3	11045.2
67.5°	2794.1	3018.5	3485.2	4468.2	6243.8	8476.7	11094.8	11934.8	12003.3	11533.1	10928.2
70°	1363.4	1658.7	2115.9	2904.0	4468.2	6880.6	10335.1	11459.9	11612.3	11157.4	10231.2
72.5°	565.9	661.6	910.9	1433.1	2564.9	4643.0	8808.7	10172.1	10454.5	9886.2	8602.0
75°	381.6	413.5	521.0	734.8	1168.4	2289.6	6352.5	7584.8	8039.6	7466.6	6103.3
77.5°	294.2	314.3	379.2	513.9	694.7	866.0	3400.1	4570.9	4806.0	4449.3	3175.7
80°	231.6	246.9	283.5	374.5	492.7	463.1	1159.0	2071.0	2206.9	1851.3	1020.8
82.5°	200.8	206.7	203.2	254.0	327.3	270.5	380.4	764.4	843.5	612.0	333.2
85°	145.3	161.9	168.9	157.1	173.7	137.0	155.9	270.5	297.7	265.8	187.8
87.5°	59.1	87.4	107.5	101.6	63.8	39.0	48.4	79.2	91.0	99.2	61.4
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°	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0	2494.0
2.5°	2496.4	2504.6	2510.5	2517.6	2522.3	2529.4	2543.6	2551.9	2553.1	2559.0	2557.8
5°	2518.8	2530.6	2543.6	2562.5	2583.8	2601.5	2628.7	2647.6	2654.7	2660.6	2659.4
7.5°	2567.2	2583.8	2607.4	2640.5	2671.2	2694.8	2727.9	2750.4	2772.8	2781.1	2782.3
10°	2639.3	2662.9	2697.2	2742.1	2775.2	2805.9	2840.2	2859.1	2881.5	2891.0	2895.7
12.5°	2729.1	2753.9	2798.8	2861.4	2892.1	2913.4	2925.2	2920.5	2925.2	2933.5	2935.8
15°	2831.9	2859.1	2909.9	2977.2	2998.5	2979.6	2953.6	2929.9	2926.4	2928.8	2937.0
17.5°	2953.6	2973.7	3032.7	3089.4	3074.1	2996.1	2939.4	2901.6	2882.7	2876.8	2885.0
20°	3123.7	3123.7	3172.1	3207.6	3104.8	2972.5	2883.9	2822.4	2783.4	2766.9	2763.4
22.5°	3330.4	3311.5	3342.3	3317.4	3098.9	2906.3	2783.4	2677.1	2618.0	2594.4	2590.9
25°	3592.7	3570.3	3562.0	3408.4	3056.4	2801.2	2601.5	2472.7	2420.7	2407.8	2410.1
27.5°	3988.5	3931.8	3824.3	3458.0	2978.4	2635.8	2388.8	2269.5	2240.0	2241.2	2244.7
30°	4515.4	4402.0	4138.5	3466.3	2850.8	2401.8	2171.5	2086.4	2072.2	2078.1	2098.2
32.5°	5003.3	4895.8	4459.9	3428.5	2654.7	2172.6	1976.5	1919.8	1898.6	1905.6	1915.1
35°	5386.1	5356.6	4757.6	3375.3	2413.7	1957.6	1801.7	1753.2	1711.9	1702.4	1709.5
37.5°	5747.6	5735.8	4980.9	3300.9	2175.0	1805.2	1661.1	1597.3	1537.0	1504.0	1505.1
40°	6144.6	6132.8	5127.4	3186.3	1963.5	1672.9	1534.7	1450.8	1376.4	1316.1	1322.0
42.5°	6591.2	6521.5	5197.1	3022.1	1784.0	1560.7	1431.9	1318.5	1220.4	1164.9	1168.4
45°	7079.1	6922.0	5195.9	2813.0	1632.7	1457.9	1322.0	1161.3	1070.4	1018.4	1016.0
47.5°	7596.6	7304.8	5132.1	2581.4	1486.2	1344.5	1151.9	1029.0	968.8	936.9	929.8
50°	8130.6	7662.7	5023.4	2315.6	1336.2	1215.7	1045.6	961.7	915.6	886.1	875.4
52.5°	8632.7	7987.6	4892.3	2014.3	1183.8	1090.5	998.3	933.3	884.9	851.8	837.6
55°	9099.4	8267.6	4706.8	1706.0	1059.7	1006.6	975.9	921.5	866.0	827.0	811.6
57.5°	9514.0	8449.6	4386.6	1416.5	971.1	948.7	952.2	901.4	837.6	804.6	783.3
60°	9859.0	8583.1	3912.9	1148.3	899.1	892.0	915.6	863.6	789.2	751.4	734.8
62.5°	10065.8	8580.7	3331.6	940.4	837.6	840.0	867.2	816.4	740.8	705.3	694.7
65°	10048.0	8370.4	2693.7	804.6	778.6	780.9	816.4	764.4	700.6	679.3	678.1
67.5°	9692.4	7857.7	2066.3	715.9	713.6	724.2	765.6	728.9	675.8	673.4	677.0
70°	8729.6	6793.2	1488.6	645.1	646.2	661.6	715.9	706.5	662.8	667.5	666.3
72.5°	7000.0	5179.4	999.5	570.6	571.8	596.6	668.7	688.8	649.8	712.4	721.9
75°	4661.9	3230.0	642.7	491.5	492.7	524.6	627.3	654.5	614.3	710.0	715.9
77.5°	2240.0	1452.0	465.5	413.5	413.5	443.0	542.3	586.0	523.4	551.7	505.7
80°	773.8	545.8	366.2	333.2	326.1	346.2	457.2	508.0	451.3	415.9	389.9
82.5°	304.8	283.5	294.2	258.7	235.1	248.1	355.6	419.4	332.0	300.1	298.9
85°	174.9	184.3	207.9	171.3	135.9	152.4	261.1	301.3	250.5	220.9	225.7
87.5°	47.3	65.0	95.7	88.6	61.4	65.0	124.0	166.6	144.1	111.1	114.6
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)