

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: P954485

Luminaire Tested: **GALN-SB7D-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954485
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-SB7D-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60584 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 512.8
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

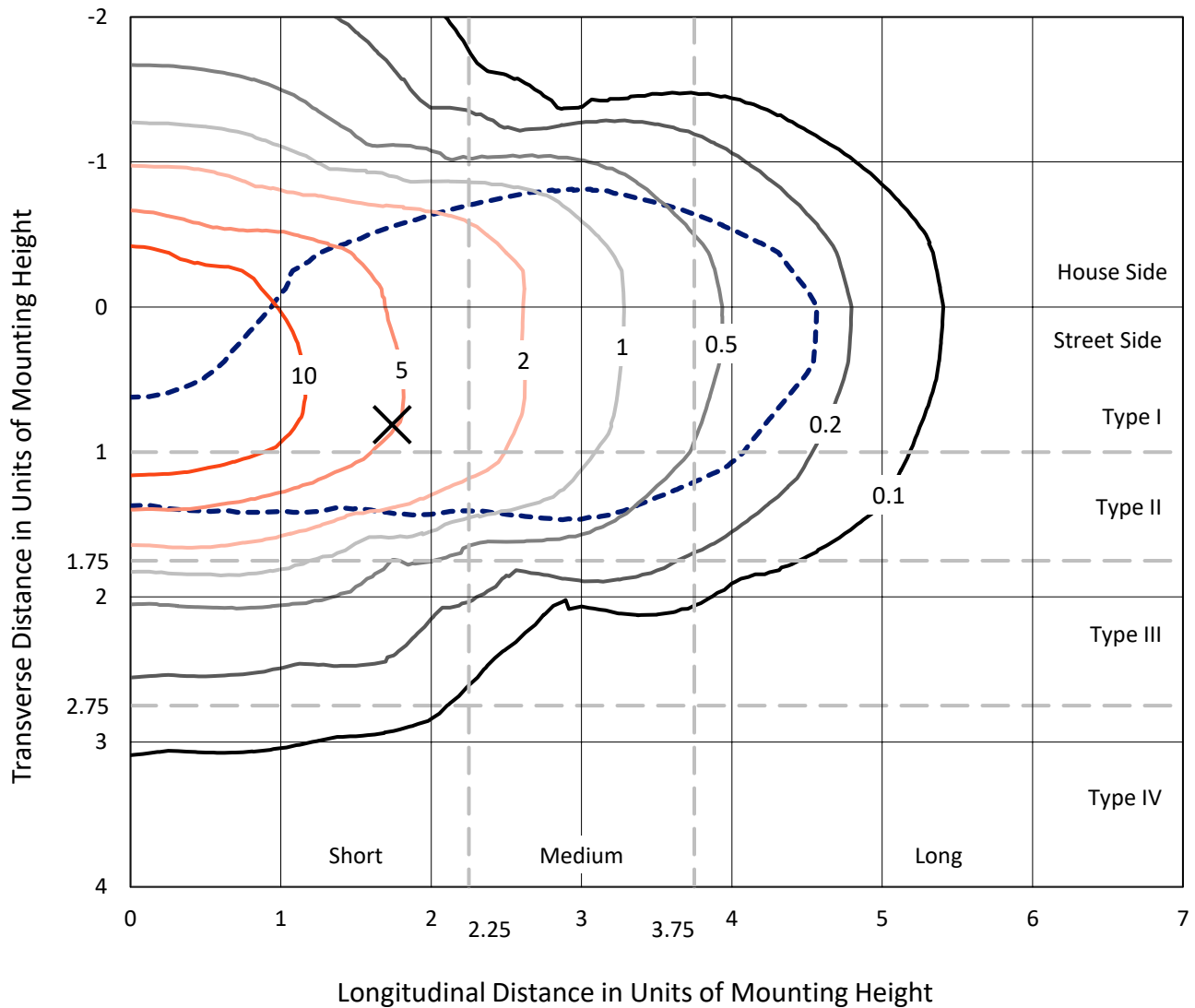


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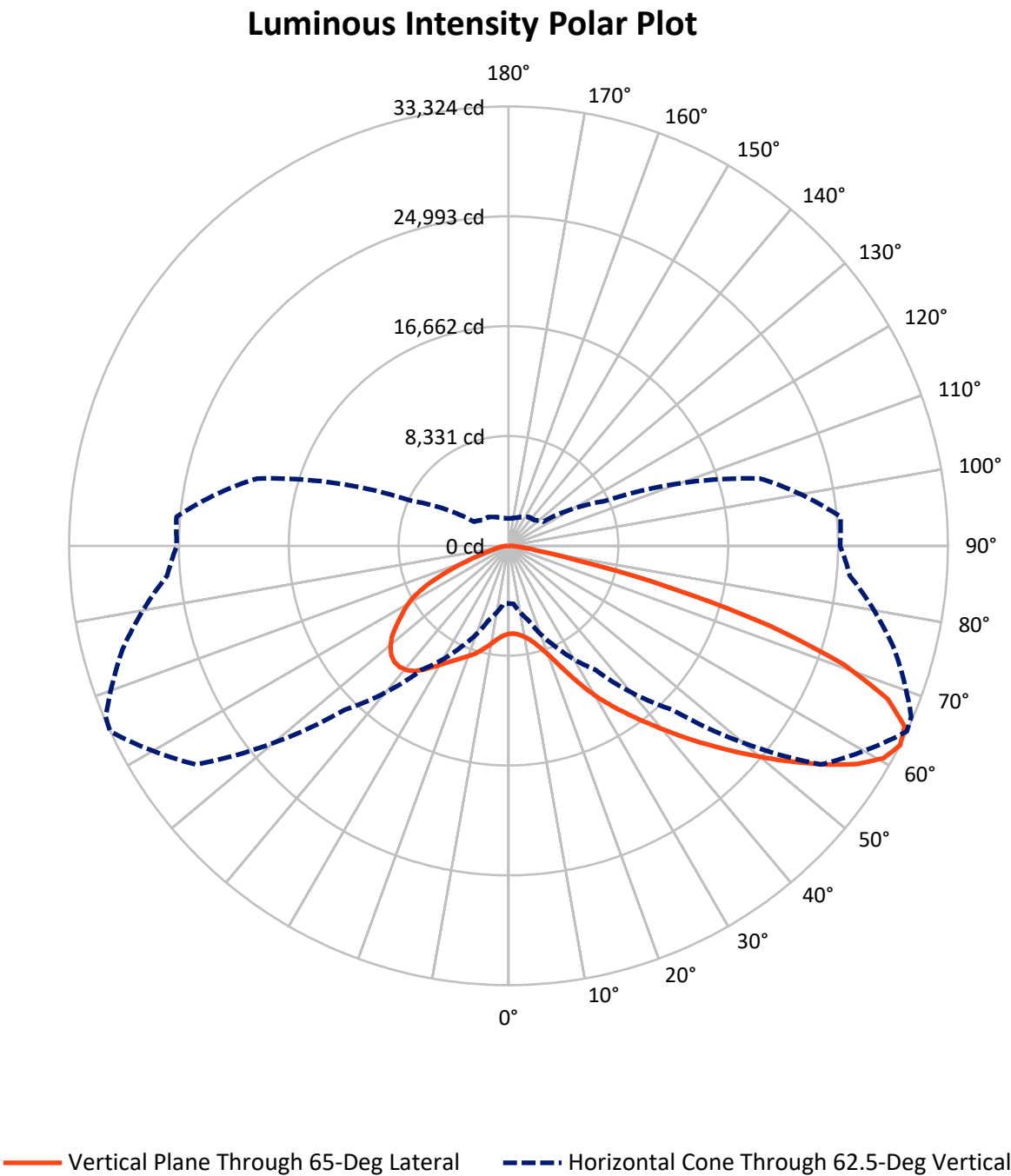
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 fc
 Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19117.7	0.0	19117.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	41466.3	0.0	41466.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	60584.0	0.0	60584.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.6	1.1
10°-20°	2257.1	3.7
20°-30°	4576.5	7.6
30°-40°	7919.6	13.1
40°-50°	11984.8	19.8
50°-60°	14051.4	23.2
60°-70°	11780.4	19.4
70°-80°	6503.7	10.7
80°-90°	844.8	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°	60584.0	100.0
0°-180°	60584.0	100.0

Coefficient of Utilization



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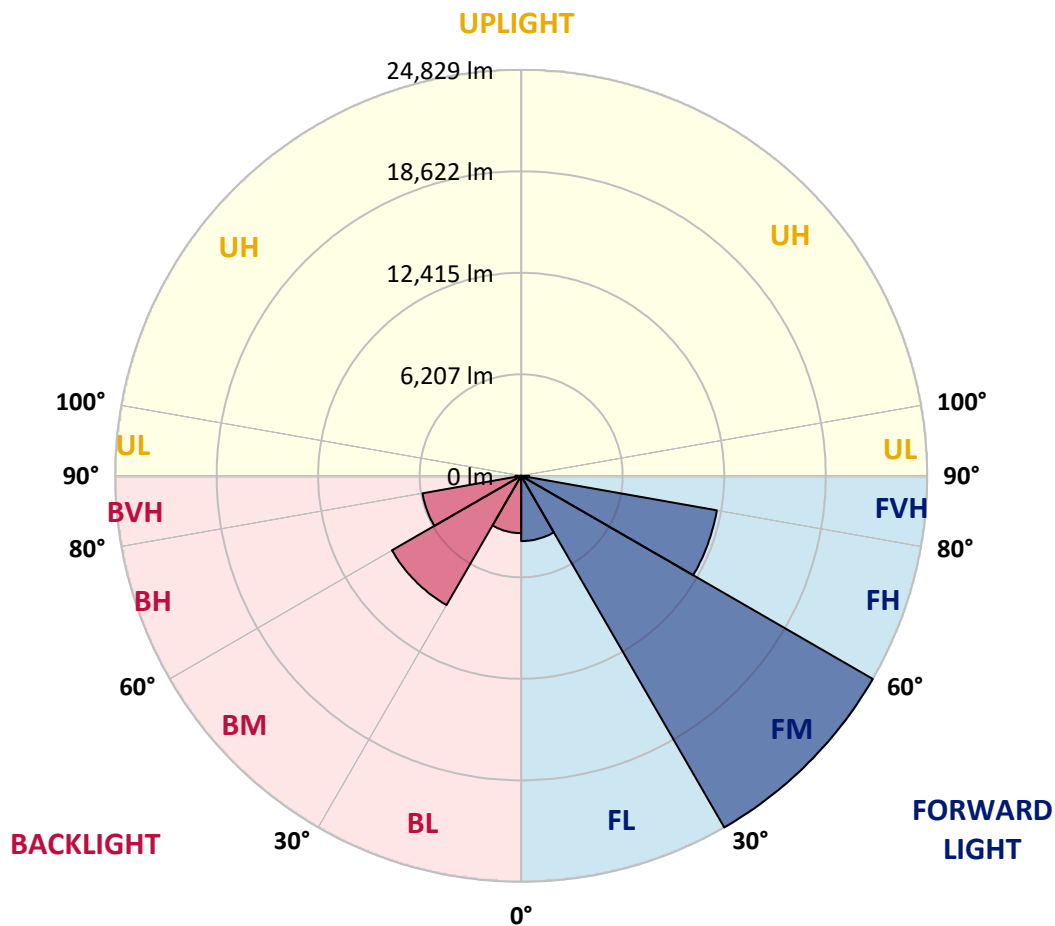
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3993.3	6.6			
FM	(30°-60°)	24829.3	41.0			
FH	(60°-80°)	12151.4	20.1			G5
FVH	(80°-90°)	492.4	0.8			G3/500
BL	(0°-30°)	3505.9	5.8	B4/5000		
BM	(30°-60°)	9126.5	15.1	B5		
BH	(60°-80°)	6132.8	10.1	B5		G5
BVH	(80°-90°)	352.4	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1
2.5°	6632.1	6613.2	6628.9	6628.9	6635.2	6632.1	6654.1	6660.4	6669.8	6688.7	6688.7
5°	6566.1	6562.9	6591.2	6616.4	6641.5	6663.5	6691.8	6732.7	6739.0	6761.0	6789.2
7.5°	6544.1	6525.2	6569.2	6600.7	6660.4	6713.8	6789.2	6858.4	6886.7	6896.1	6949.5
10°	6713.8	6682.4	6723.2	6742.1	6792.4	6845.8	6933.8	7043.8	7075.3	7113.0	7172.7
12.5°	7003.0	6968.4	7028.1	7056.4	7103.6	7150.7	7210.4	7317.3	7333.0	7402.2	7458.7
15°	7399.0	7358.2	7395.9	7430.5	7509.0	7553.0	7612.8	7716.5	7716.5	7769.9	7810.8
17.5°	7936.5	7883.1	7911.4	7923.9	7974.2	8040.2	8140.8	8232.0	8279.1	8260.3	8203.7
20°	8738.0	8672.0	8672.0	8609.1	8590.3	8643.7	8775.7	8901.5	8951.7	8854.3	8716.0
22.5°	9941.8	9847.6	9794.1	9580.4	9495.5	9501.8	9633.8	9787.8	9828.7	9655.8	9344.6
25°	11472.6	11324.8	11252.6	10938.2	10746.5	10579.9	10683.6	10881.7	10938.2	10724.5	10221.6
27.5°	13003.3	13012.7	12943.6	12566.4	12248.9	11944.0	11890.6	12098.1	12157.8	11915.8	11293.4
30°	15150.1	14926.9	14794.9	14342.3	13889.7	13462.2	13242.2	13327.0	13342.8	13053.6	12330.7
32.5°	17001.4	16944.8	16661.9	16265.9	15684.4	15014.9	14647.2	14512.0	14486.9	14075.1	13217.0
35°	19110.5	19079.0	18780.4	18309.0	17680.3	16750.0	16086.7	15700.1	15668.7	15090.4	14094.0
37.5°	21254.1	21254.1	20961.8	20446.3	19795.7	18632.7	17623.8	17010.8	16910.3	16155.9	14986.6
40°	22964.0	22860.3	22913.7	22696.8	21951.9	20716.6	19330.5	18441.0	18305.8	17400.6	15935.9
42.5°	23935.2	23900.7	24221.3	24463.3	24158.4	23171.5	21210.1	19990.6	19802.0	18771.0	17029.7
45°	24152.1	24114.4	24686.5	25572.8	26000.3	25594.8	23253.2	21621.9	21392.4	20204.3	18202.1
47.5°	23652.4	23576.9	24416.1	25814.9	27185.3	27898.8	25466.0	23391.5	23058.3	21599.9	19405.9
50°	22149.9	22077.6	23347.5	25205.1	27584.5	29464.1	27867.3	25267.9	24758.8	23096.0	20622.3
52.5°	18884.2	18918.7	20908.4	23460.6	27059.6	30438.5	29935.6	27245.0	26632.1	24626.7	21763.3
55°	14710.0	14785.5	17230.9	20040.9	24959.9	30290.7	31346.8	29281.8	28672.0	26066.3	22942.0
57.5°	10532.8	10865.9	13157.3	15939.0	20927.2	27949.1	31654.9	31218.0	30627.1	27637.9	24095.5
60°	6827.0	6886.7	9244.1	12047.8	15935.9	23787.5	31029.4	32685.8	32223.8	29240.9	25060.5
62.5°	4375.3	4416.2	5852.6	8426.8	11469.4	17598.6	28923.5	33323.9	33182.5	30300.2	25987.7
65°	3215.5	3184.0	3932.1	5569.7	7725.9	10853.4	24834.2	33015.9	33295.6	30963.4	26754.7
67.5°	2684.3	2640.3	3008.0	3856.7	5692.3	6163.8	18375.0	31013.7	32038.3	30887.9	27317.3
70°	2445.4	2407.7	2630.8	2863.4	4441.3	4127.0	9262.9	26962.1	28540.0	30029.9	27226.1
72.5°	2071.3	2005.3	2310.2	2542.8	3454.3	3165.2	3828.4	20710.4	22634.0	27279.6	25943.7
75°	1606.2	1562.2	1823.0	2237.9	2596.3	2470.5	2420.2	12575.8	14675.5	21097.0	22696.8
77.5°	1273.0	1213.3	1452.1	1744.5	2335.4	1863.9	1763.3	5415.7	7496.5	13468.5	16982.6
80°	958.7	905.2	1103.3	1379.9	1794.8	1405.0	1141.0	2209.6	2825.7	6823.8	8540.0
82.5°	682.1	634.9	770.1	1012.1	1207.0	1260.4	700.9	1238.4	1392.4	2630.8	1907.9
85°	436.9	408.6	515.5	634.9	766.9	810.9	427.5	647.5	710.4	1084.4	795.2
87.5°	238.9	194.9	276.6	295.5	355.2	323.7	204.3	235.7	254.6	392.9	336.3
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°	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1	6676.1
2.5°	6701.2	6710.7	6742.1	6751.5	6773.5	6801.8	6820.7	6839.5	6839.5	6858.4	6858.4
5°	6792.4	6814.4	6880.4	6915.0	6971.6	7028.1	7062.7	7103.6	7128.7	7141.3	7147.6
7.5°	6968.4	7003.0	7097.3	7157.0	7254.4	7333.0	7386.5	7443.0	7455.6	7490.2	7477.6
10°	7207.3	7248.2	7355.0	7468.2	7584.5	7681.9	7732.2	7773.1	7788.8	7795.1	7779.3
12.5°	7480.7	7540.5	7678.8	7817.1	7939.6	8024.5	8037.1	8027.7	7983.7	7945.9	7945.9
15°	7817.1	7870.5	8024.5	8175.4	8294.8	8310.5	8232.0	8181.7	8128.2	8118.8	8118.8
17.5°	8219.4	8247.7	8389.1	8536.9	8546.3	8492.8	8376.5	8329.4	8279.1	8244.5	8247.7
20°	8687.7	8678.3	8778.9	8841.7	8775.7	8612.3	8436.3	8357.7	8307.4	8266.5	8269.7
22.5°	9247.2	9174.9	9162.3	9146.6	8970.6	8628.0	8389.1	8288.5	8210.0	8153.4	8172.2
25°	10061.3	9784.7	9593.0	9486.1	9090.0	8543.1	8238.2	8015.1	7867.4	7769.9	7807.6
27.5°	11079.7	10614.5	10130.4	9869.6	9090.0	8370.3	7873.6	7512.2	7270.2	7169.6	7219.9
30°	12050.9	11563.7	10850.2	10331.6	9068.0	8087.4	7285.9	6783.0	6500.1	6399.5	6459.2
32.5°	12880.7	12349.5	11614.0	10837.7	9014.6	7628.5	6556.7	6000.3	5726.9	5607.4	5667.1
35°	13650.8	13085.0	12380.9	11394.0	8873.2	6955.8	5755.1	5330.8	5025.9	4834.2	4897.1
37.5°	14439.7	13767.1	13107.0	11896.9	8618.6	6170.0	5139.1	4777.6	4419.3	4161.6	4230.7
40°	15297.8	14493.2	13883.4	12195.5	8200.5	5422.0	4661.3	4331.3	3951.0	3677.5	3730.9
42.5°	16300.5	15363.8	14747.8	12349.5	7628.5	4890.8	4350.1	4026.4	3668.1	3444.9	3488.9
45°	17347.2	16322.5	15536.7	12346.4	6990.4	4642.5	4249.6	3929.0	3532.9	3300.3	3338.0
47.5°	18444.1	17325.2	16218.8	12145.2	6437.2	4677.0	4193.0	3718.4	3281.5	3055.2	3086.6
50°	19544.2	18422.1	16878.8	11768.0	6201.5	4601.6	3982.4	3422.9	2907.4	2703.1	2715.7
52.5°	20634.9	19588.2	17447.7	11230.5	5962.6	4321.9	3712.1	3039.4	2753.4	2612.0	2612.0
55°	21731.9	20741.8	18066.9	10447.9	5365.4	3995.0	3259.5	2894.9	2630.8	2502.0	2489.4
57.5°	22832.0	22074.5	18654.7	9665.2	4614.2	3592.6	3011.2	2718.8	2508.3	2398.2	2379.4
60°	23976.1	23598.9	19261.3	8945.5	3872.4	3077.2	2828.9	2577.4	2363.7	2241.1	2231.7
62.5°	25154.8	25277.4	19736.0	8018.2	3190.3	2762.8	2665.4	2407.7	2200.2	2083.9	2080.8
65°	26342.9	26896.1	20047.1	6732.7	2586.8	2464.2	2489.4	2222.2	2011.6	1911.0	1907.9
67.5°	27238.7	28062.2	19959.1	5095.1	2121.6	2181.4	2269.4	2027.3	1829.3	1750.7	1753.9
70°	27339.3	27923.9	19091.6	3488.9	1775.9	1904.8	2024.2	1835.6	1631.3	1574.7	1577.9
72.5°	26000.3	26038.0	16674.5	2278.8	1502.4	1672.2	1766.5	1640.7	1442.7	1386.1	1383.0
75°	22489.4	21533.9	12242.6	1502.4	1257.3	1436.4	1524.4	1436.4	1244.7	1257.3	1213.3
77.5°	17039.1	15250.7	7433.6	1068.7	1049.8	1207.0	1326.4	1263.6	1100.1	1235.3	1087.5
80°	8778.9	8250.8	3316.0	798.4	829.8	965.0	1090.7	1009.0	870.7	829.8	757.5
82.5°	2011.6	2338.5	1307.6	572.1	600.3	694.6	832.9	757.5	625.5	528.1	521.8
85°	704.1	770.1	578.3	358.3	352.0	433.8	565.8	506.1	424.3	339.5	358.3
87.5°	223.2	292.3	216.9	144.6	150.9	194.9	260.9	238.9	198.0	128.9	135.2
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)