

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: P956988

Luminaire Tested: **GALN-SB9C-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56240 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 449.8
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

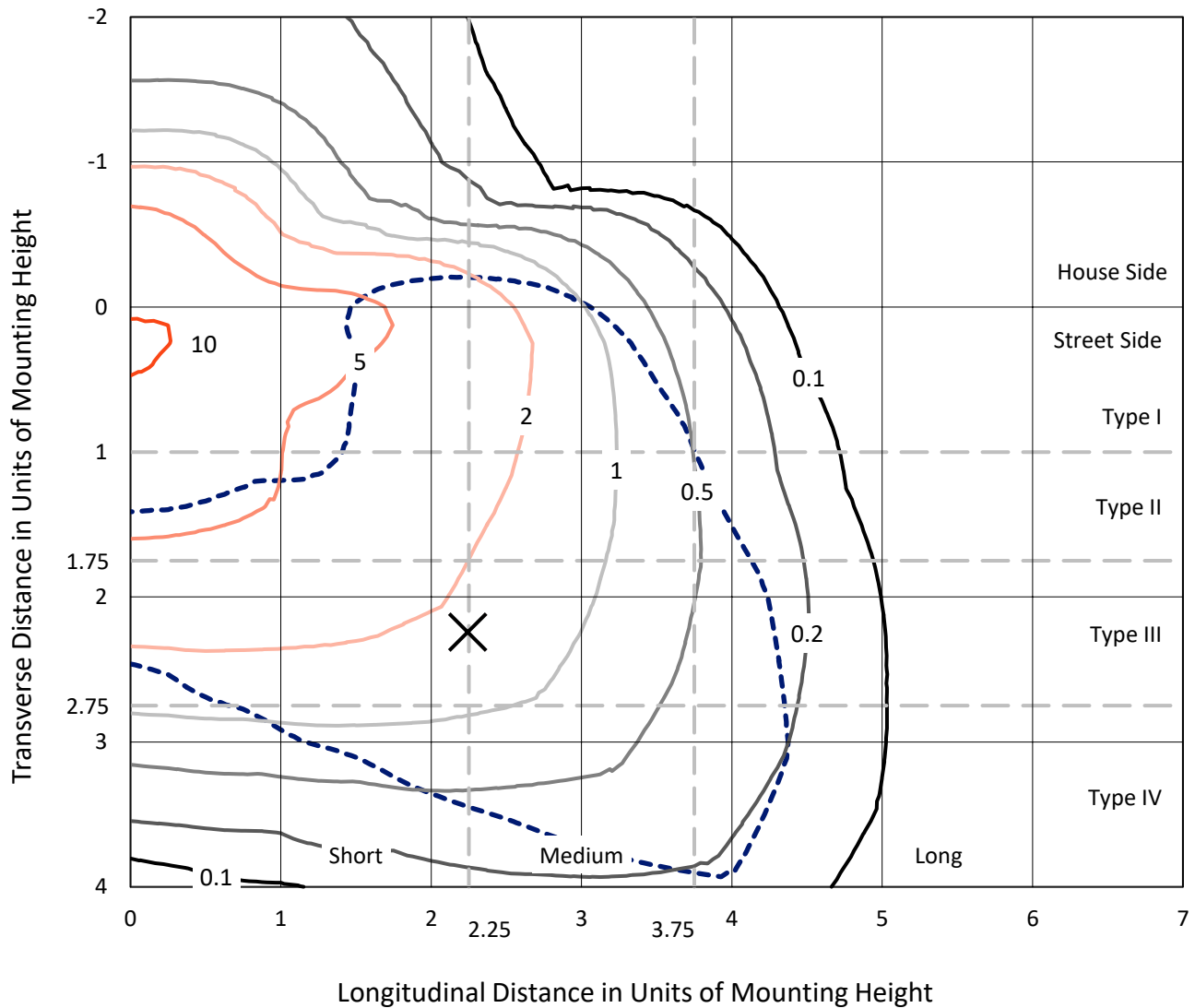


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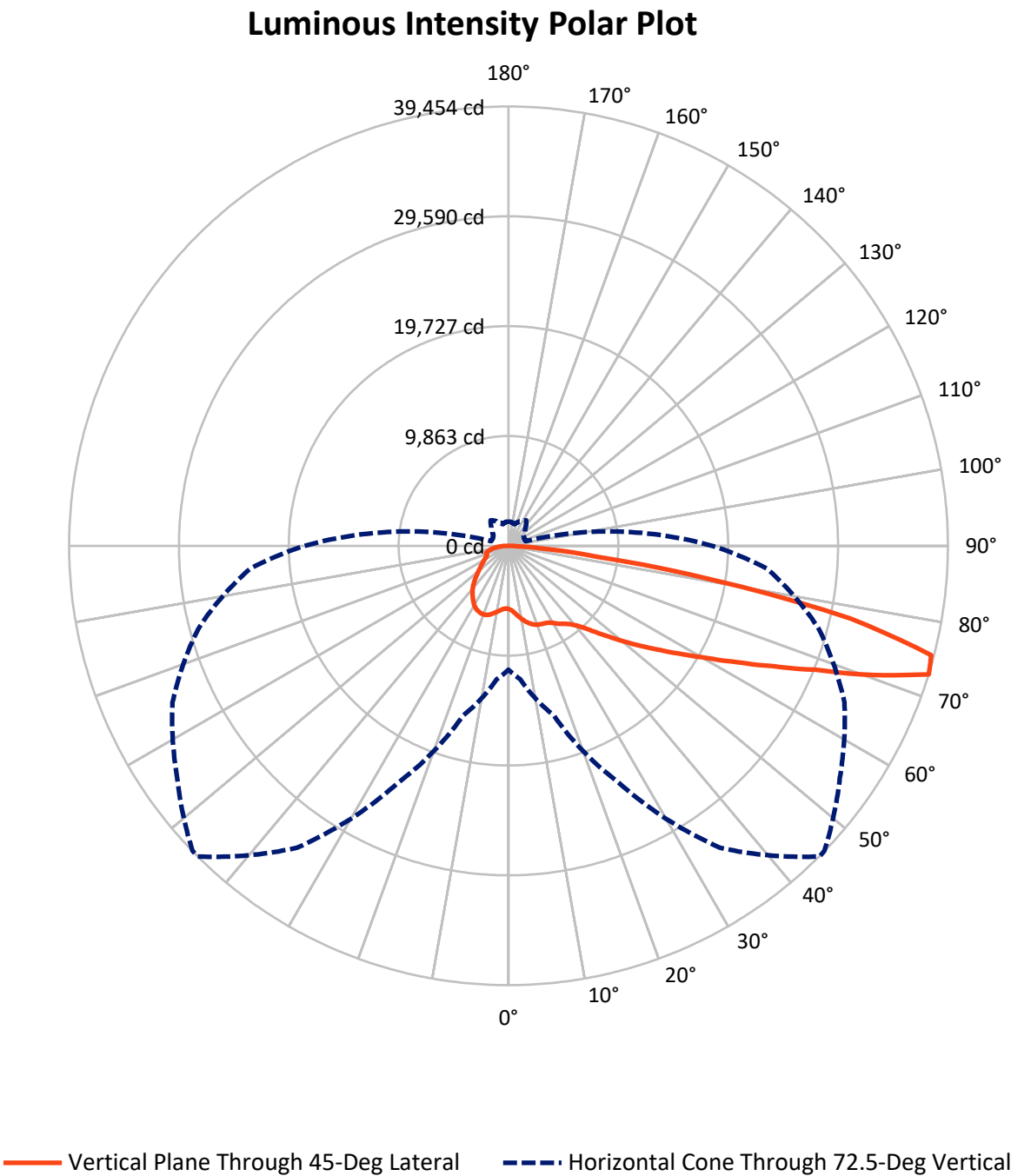
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12713.9	0.0	12713.9
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	43526.1	0.0	43526.1
	% Fixture	77.4	0.0	77.4
Total	Lumens	56240.0	0.0	56240.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	577.5	1.0
10°-20°	1925.3	3.4
20°-30°	3349.2	6.0
30°-40°	4801.2	8.5
40°-50°	6760.4	12.0
50°-60°	10354.9	18.4
60°-70°	15000.7	26.7
70°-80°	11978.9	21.3
80°-90°	1491.9	2.7
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°	56240.0	100.0
0°-180°	56240.0	100.0

Coefficient of Utilization



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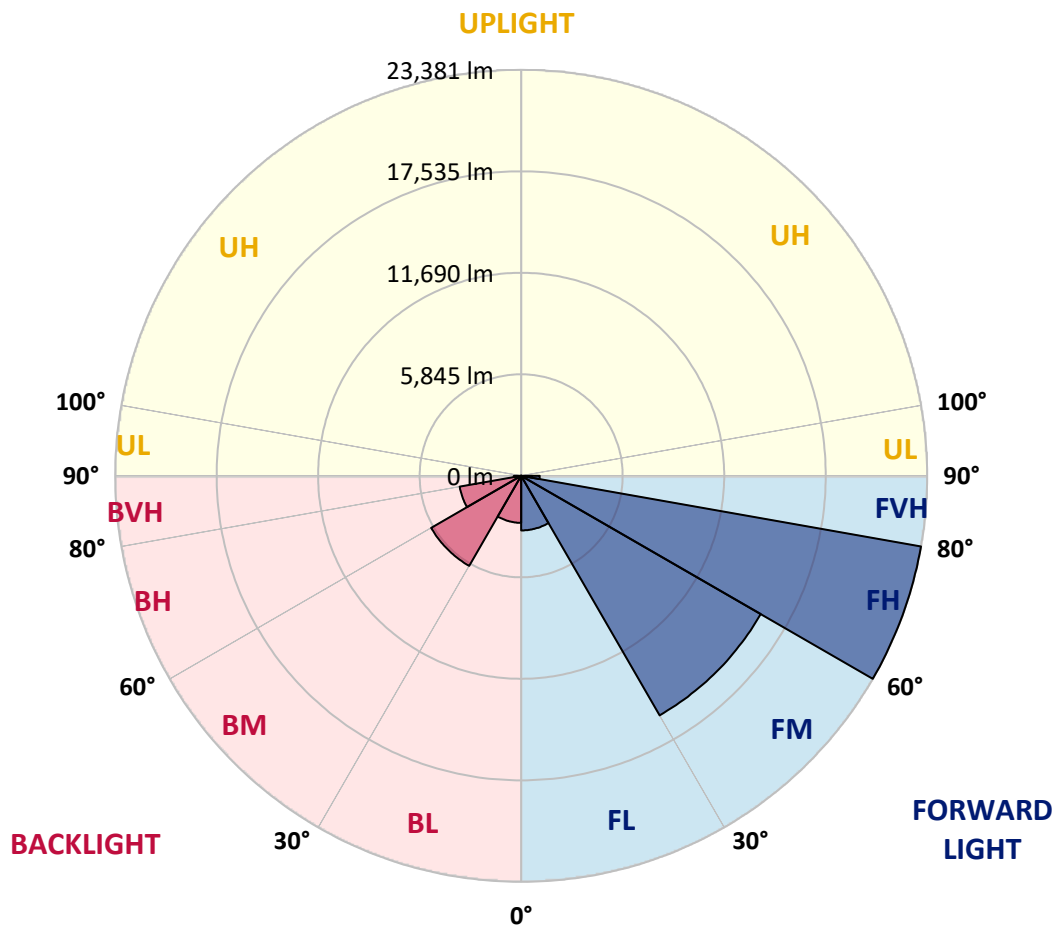
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3145.0	5.6			
FM	(30°-60°)	15930.1	28.3			
FH	(60°-80°)	23380.6	41.6			G5
FVH	(80°-90°)	1070.3	1.9			G5
BL	(0°-30°)	2706.9	4.8	B4/5000		
BM	(30°-60°)	5986.5	10.6	B4/8500		
BH	(60°-80°)	3599.0	6.4	B4/5000		G4/5000
BVH	(80°-90°)	421.6	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5
2.5°	5895.7	5934.2	5898.7	5866.1	5851.3	5812.8	5809.8	5786.1	5771.3	5729.8	5718.0
5°	6307.5	6357.9	6298.6	6233.5	6174.2	6079.4	6067.6	5999.4	5922.4	5833.5	5783.1
7.5°	6772.7	6817.1	6749.0	6651.2	6547.5	6390.5	6387.5	6263.1	6141.6	5990.5	5904.6
10°	7178.6	7237.8	7146.0	7012.7	6882.3	6704.5	6683.8	6541.6	6387.5	6192.0	6061.6
12.5°	7537.0	7578.5	7489.6	7326.7	7175.6	6997.8	6971.2	6814.2	6642.3	6420.1	6254.2
15°	7821.5	7874.8	7756.3	7581.5	7421.5	7246.7	7223.0	7080.8	6909.0	6674.9	6461.6
17.5°	8008.1	8052.5	7931.1	7735.5	7581.5	7436.3	7418.5	7300.0	7148.9	6911.9	6683.8
20°	8079.2	8126.6	7999.2	7800.7	7658.5	7545.9	7537.0	7451.1	7347.4	7131.2	6900.1
22.5°	8150.3	8194.8	8028.8	7821.5	7697.0	7625.9	7623.0	7566.7	7525.2	7347.4	7122.3
25°	8437.7	8449.5	8227.3	7928.1	7750.4	7688.1	7685.2	7682.2	7700.0	7560.7	7362.2
27.5°	8686.6	8683.6	8494.0	8212.5	7937.0	7806.6	7803.7	7833.3	7889.6	7774.1	7611.1
30°	9051.0	9018.4	8793.2	8499.9	8248.1	8046.6	8028.8	8002.2	8046.6	7954.8	7860.0
32.5°	9824.2	9720.5	9356.1	8834.7	8505.8	8351.8	8328.1	8162.2	8179.9	8123.7	8076.3
35°	10932.3	10796.0	10310.1	9468.7	8825.8	8606.6	8594.7	8384.4	8348.8	8298.5	8316.2
37.5°	12250.7	12081.8	11515.9	10387.1	9376.9	8902.8	8885.1	8695.4	8550.3	8497.0	8597.7
40°	13575.0	13361.7	12893.6	11507.0	10188.6	9397.6	9341.3	9053.9	8888.0	8799.1	9012.5
42.5°	14860.8	14683.0	14283.1	12763.2	11190.0	10120.5	9996.1	9504.3	9379.8	9296.9	9682.0
45°	15998.4	15838.5	15545.2	14105.3	12363.2	11104.1	10982.6	10179.7	10141.2	10141.2	10698.2
47.5°	16922.8	16887.2	16576.2	15474.0	13746.8	12224.0	12013.6	11118.9	11222.6	11382.6	12141.0
50°	17947.9	17850.1	17518.3	16822.1	15373.3	13506.8	13335.0	12271.4	12659.5	13098.0	14226.8
52.5°	18890.0	18943.3	18573.0	18226.4	17210.2	14937.8	14635.6	13631.3	14469.7	15195.6	16671.0
55°	19858.8	19861.8	19758.1	19710.7	19135.9	16519.9	16188.1	15266.7	16599.9	17500.5	19521.1
57.5°	20768.3	20774.3	20928.3	21346.1	21369.8	18344.9	17968.6	17275.4	18967.0	19885.5	22460.0
60°	21580.1	21621.6	22042.3	23020.0	23334.0	20436.5	20081.0	19648.5	21414.2	22338.6	25550.1
62.5°	21852.7	22003.8	22940.0	24329.5	25274.6	23002.2	22652.6	22394.9	23985.8	24845.0	28133.6
65°	21390.5	21737.1	23547.3	25410.9	27271.4	26050.8	25704.2	25422.7	26658.1	27467.0	30254.8
67.5°	20255.8	20703.2	23511.8	26545.6	29694.9	29718.6	29395.7	28735.0	29523.0	29834.1	30945.1
70°	17266.5	17936.0	21440.9	26969.2	32476.8	34734.4	34423.3	32722.7	32382.0	30877.0	29001.6
72.5°	11124.8	12025.5	15788.1	23482.2	33096.0	39453.9	39436.2	36322.4	33285.6	28850.5	23260.0
75°	4058.9	4609.9	7335.6	14739.3	27781.0	39214.0	39329.5	35706.2	30385.2	22285.2	14490.4
77.5°	1478.4	1617.6	2393.8	5664.6	17085.7	31463.6	31703.6	28545.4	21627.5	11184.1	5741.7
80°	776.2	853.3	1226.5	2198.3	7320.8	18685.6	19061.8	16964.3	10164.9	3368.6	1721.3
82.5°	429.6	465.1	687.3	1194.0	3297.5	7990.3	8215.5	6701.6	3575.9	1428.0	711.0
85°	231.1	245.9	322.9	651.8	1611.7	2770.1	2832.3	2002.8	1425.0	838.4	343.7
87.5°	68.1	83.0	106.7	207.4	631.0	622.2	637.0	397.0	562.9	423.7	112.6
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°	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5	5673.5
2.5°	5700.2	5691.3	5658.7	5643.9	5626.1	5623.2	5638.0	5640.9	5643.9	5646.9	5658.7
5°	5753.5	5723.9	5694.3	5676.5	5682.4	5685.4	5715.0	5735.7	5750.6	5762.4	5768.3
7.5°	5857.2	5833.5	5783.1	5780.2	5789.1	5815.7	5854.2	5901.6	5928.3	5949.1	5955.0
10°	6011.3	5966.8	5907.6	5916.5	5934.2	5972.8	6052.7	6091.3	6135.7	6174.2	6165.3
12.5°	6168.3	6129.8	6061.6	6067.6	6097.2	6165.3	6242.4	6289.8	6319.4	6349.0	6360.9
15°	6372.7	6304.6	6230.5	6230.5	6283.8	6357.9	6393.5	6432.0	6449.7	6482.3	6494.2
17.5°	6583.1	6494.2	6396.4	6390.5	6455.7	6491.2	6512.0	6517.9	6523.8	6559.4	6571.2
20°	6793.4	6695.6	6556.4	6544.5	6559.4	6553.4	6550.5	6544.5	6553.4	6597.9	6615.7
22.5°	7000.8	6888.2	6695.6	6642.3	6600.8	6544.5	6541.6	6538.6	6544.5	6589.0	6618.6
25°	7243.7	7107.5	6849.7	6689.7	6550.5	6473.4	6482.3	6485.3	6491.2	6526.8	6574.2
27.5°	7507.4	7356.3	6991.9	6674.9	6423.1	6369.7	6354.9	6363.8	6384.6	6440.9	6497.1
30°	7771.1	7593.3	7122.3	6615.7	6263.1	6189.0	6141.6	6162.4	6227.5	6283.8	6346.0
32.5°	8011.1	7833.3	7226.0	6485.3	6058.7	5943.1	5880.9	5907.6	5972.8	5993.5	6067.6
35°	8292.5	8091.1	7270.4	6277.9	5836.5	5658.7	5575.8	5537.2	5569.8	5549.1	5614.3
37.5°	8606.6	8396.2	7264.5	6005.3	5575.8	5371.3	5255.8	5110.6	5042.5	4971.4	5015.8
40°	9071.7	8769.5	7193.4	5676.5	5252.8	5066.2	4858.8	4612.9	4458.8	4319.6	4328.5
42.5°	9705.7	9288.0	7063.0	5315.0	4888.4	4713.6	4432.2	4144.8	3901.8	3670.8	3650.0
45°	10650.8	9966.4	6900.1	4929.9	4494.4	4322.5	4017.4	3694.5	3418.9	3122.7	3087.1
47.5°	12013.6	10878.9	6746.0	4491.4	4079.6	3922.6	3647.1	3347.8	3021.9	2734.5	2702.0
50°	13886.1	12188.4	6603.8	4064.8	3670.8	3552.2	3333.0	3027.9	2699.0	2467.9	2453.1
52.5°	16268.0	13969.0	6544.5	3653.0	3288.6	3244.1	3069.3	2784.9	2473.8	2278.3	2263.5
55°	19002.6	16099.2	6544.5	3258.9	2953.8	2968.6	2847.1	2583.5	2313.8	2139.1	2121.3
57.5°	21793.4	18256.0	6426.0	2894.5	2669.4	2731.6	2654.6	2423.5	2180.5	1999.8	1970.2
60°	24365.0	20063.2	5946.1	2562.7	2417.5	2515.3	2464.9	2266.4	1970.2	1819.1	1795.4
62.5°	26341.1	21082.4	5021.7	2299.0	2210.2	2322.7	2296.1	2059.1	1931.7	1869.4	1848.7
65°	27330.7	20916.5	3839.6	2065.0	2035.4	2210.2	2153.9	2145.0	2044.2	1973.1	1949.4
67.5°	26723.3	19488.5	2784.9	1893.1	1934.6	2106.5	2322.7	2358.3	2171.6	2032.4	2008.7
70°	24059.9	16905.0	2073.9	1730.2	1807.2	2109.4	2648.6	2467.9	2130.2	1967.2	1940.6
72.5°	18303.4	12606.2	1608.7	1558.4	1641.3	2124.2	2793.8	2417.5	2011.7	2174.6	2156.8
75°	10467.1	6920.8	1291.7	1348.0	1433.9	1985.0	2719.7	2287.2	1919.8	1996.8	1996.8
77.5°	3990.7	2660.5	1066.6	1140.6	1152.5	1733.2	2601.2	2278.3	1828.0	1783.5	1626.5
80°	1383.6	1039.9	882.9	906.6	891.8	1540.6	2494.6	1982.0	1496.2	1339.1	1294.7
82.5°	565.9	518.5	699.2	669.6	634.0	1196.9	2014.6	1620.6	1223.6	1081.4	1069.5
85°	245.9	328.9	462.2	405.9	367.4	829.5	1614.7	1371.7	1034.0	891.8	888.8
87.5°	50.4	124.4	195.5	183.7	189.6	554.0	1146.6	974.7	731.8	548.1	429.6
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)