

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: P950926

Luminaire Tested: **GALN-SB5B-727-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950926
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-727-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26224 lumens
Efficiency: N/A
Efficacy: 143.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 182.7
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

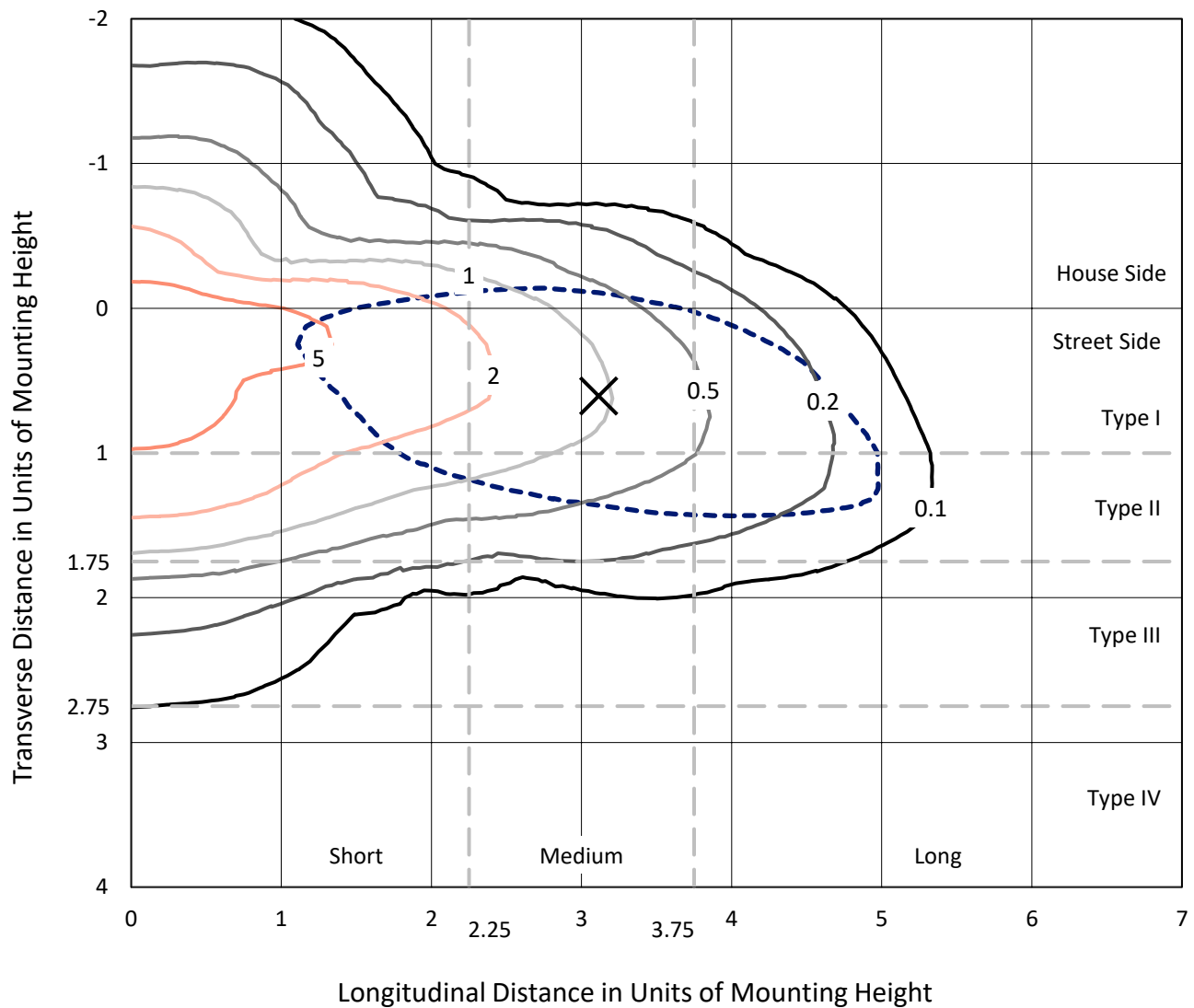


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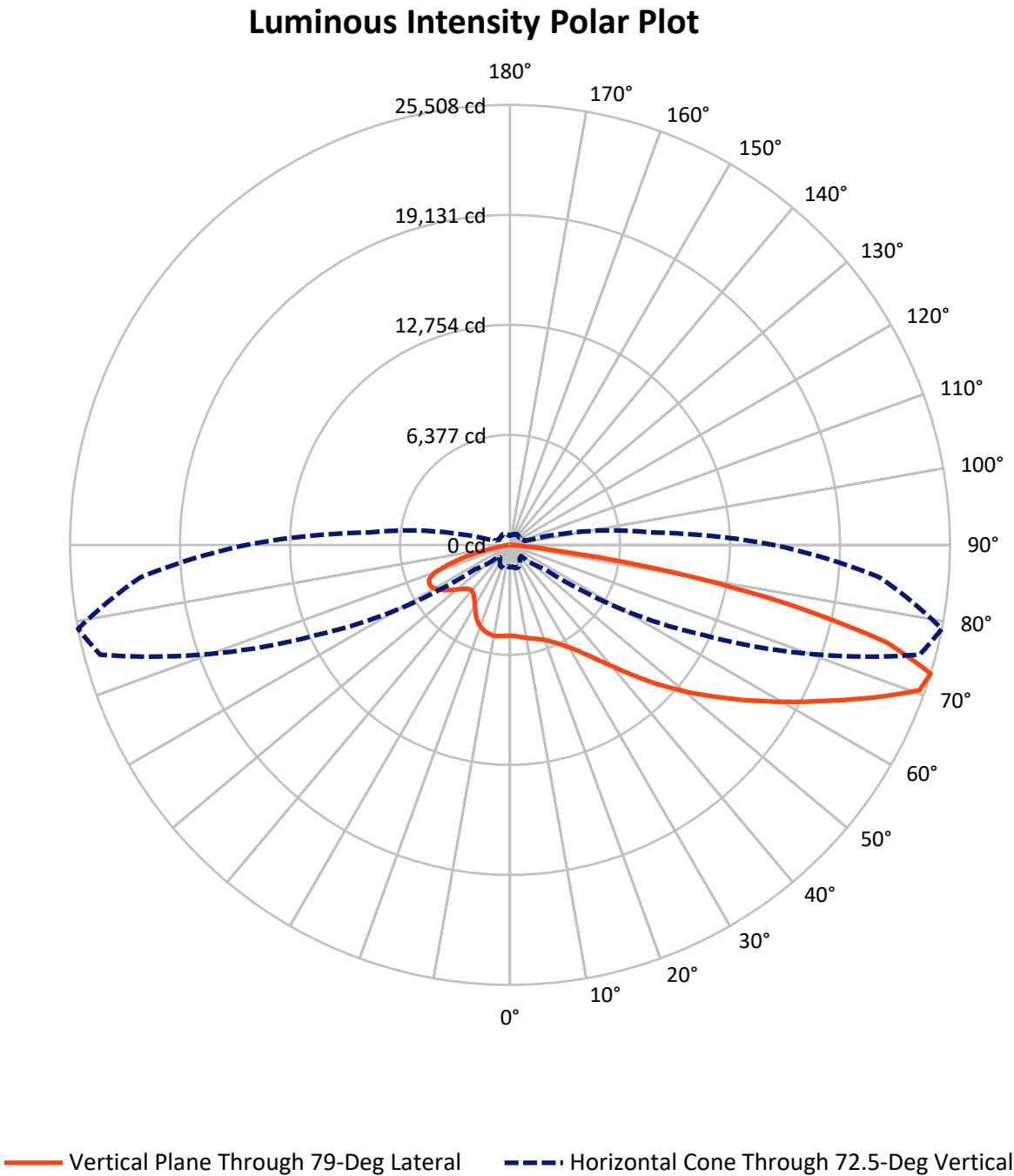
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5770.7	0.0	5770.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	20453.3	0.0	20453.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	26224.0	0.0	26224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.8	1.8
10°-20°	1249.3	4.8
20°-30°	2015.9	7.7
30°-40°	3025.5	11.5
40°-50°	4291.9	16.4
50°-60°	5420.1	20.7
60°-70°	5504.9	21.0
70°-80°	3751.8	14.3
80°-90°	486.8	1.9
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°	26224.0	100.0
0°-180°	26224.0	100.0

Coefficient of Utilization



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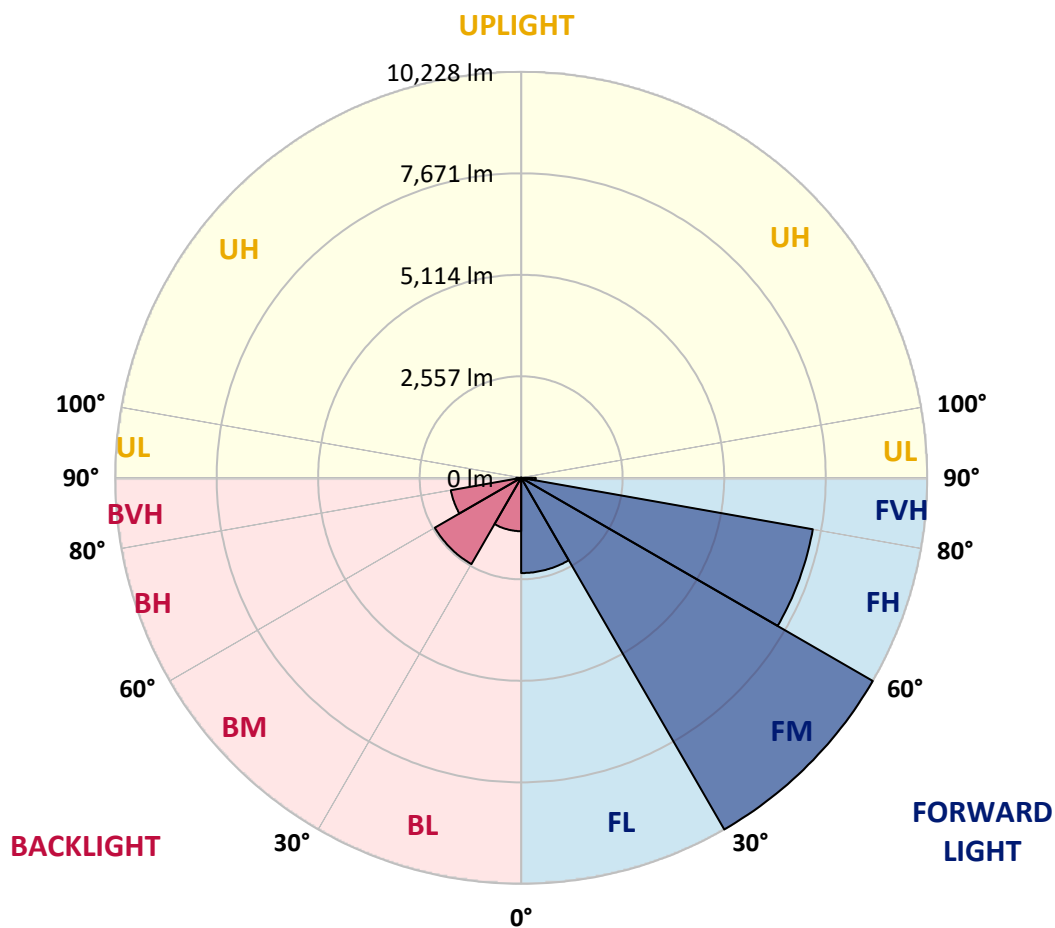
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2398.9	9.1			
FM	(30°-60°)	10227.9	39.0			
FH	(60°-80°)	7459.8	28.4			G3/7500
FVH	(80°-90°)	366.7	1.4			G3/500
BL	(0°-30°)	1344.2	5.1	B3/2500		
BM	(30°-60°)	2509.7	9.6	B3/5000		
BH	(60°-80°)	1796.8	6.9	B3/2500		G3/2500
BVH	(80°-90°)	120.1	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2
2.5°	5267.0	5242.0	5257.3	5251.7	5258.7	5267.0	5269.8	5273.9	5287.8	5286.4	5285.0
5°	5255.9	5230.9	5251.7	5244.8	5262.8	5282.3	5298.9	5314.2	5336.4	5346.1	5332.2
7.5°	5232.3	5215.7	5236.5	5257.3	5290.6	5319.7	5343.3	5378.0	5409.9	5415.4	5425.1
10°	5095.0	5082.5	5131.1	5185.2	5276.7	5355.8	5407.1	5447.3	5482.0	5487.5	5501.4
12.5°	4952.1	4936.9	4991.0	5064.5	5212.9	5355.8	5464.0	5516.7	5547.2	5565.2	5586.0
15°	4928.5	4916.0	4946.6	5010.4	5133.8	5318.3	5502.8	5599.9	5626.3	5647.1	5655.4
17.5°	5042.3	5018.7	5031.2	5053.4	5125.5	5283.6	5533.3	5694.2	5734.5	5756.7	5756.7
20°	5305.8	5272.5	5253.1	5208.7	5196.2	5289.2	5530.6	5808.0	5860.7	5888.4	5895.4
22.5°	5656.8	5634.6	5593.0	5480.6	5358.5	5357.2	5583.3	5953.6	6052.1	6078.5	6061.8
25°	6081.2	6048.0	5995.2	5842.7	5608.2	5491.7	5672.0	6139.5	6304.6	6311.5	6263.0
27.5°	6569.5	6519.6	6447.5	6246.3	5930.0	5702.6	5808.0	6353.1	6594.5	6591.7	6491.8
30°	7084.2	7034.2	6957.9	6713.8	6315.7	5986.9	5996.6	6583.4	6938.5	6923.2	6752.6
32.5°	7460.1	7422.6	7407.4	7218.7	6759.6	6322.6	6213.0	6838.6	7363.0	7349.1	7110.5
35°	7748.6	7700.0	7718.1	7622.4	7243.7	6698.5	6478.0	7142.4	7879.0	7877.6	7580.8
37.5°	8034.3	7991.3	8006.6	7942.8	7691.7	7175.7	6801.2	7514.2	8518.5	8549.0	8149.5
40°	8295.1	8249.4	8310.4	8250.7	8039.9	7683.4	7168.8	7934.5	9259.2	9317.5	8837.5
42.5°	8451.9	8415.8	8517.1	8518.5	8342.3	8112.0	7572.4	8397.8	10116.5	10246.8	9683.7
45°	8506.0	8493.5	8646.1	8678.0	8610.0	8360.3	7935.9	8902.7	11040.3	11273.3	10647.7
47.5°	8447.7	8424.1	8635.0	8752.9	8807.0	8476.8	8236.9	9449.2	11983.6	12324.8	11699.2
50°	8153.6	8107.9	8421.4	8669.7	8862.5	8553.1	8540.7	10080.4	13055.8	13429.0	12756.2
52.5°	7625.1	7590.5	7947.0	8378.4	8740.4	8590.6	8881.9	10769.8	14074.0	14556.7	13839.6
55°	6949.6	6903.8	7296.4	7859.6	8436.6	8578.1	9223.1	11541.1	15275.3	15764.9	14959.0
57.5°	5878.7	5787.2	6283.8	6949.6	7941.4	8562.9	9578.2	12308.1	16495.9	17082.7	16153.3
60°	4316.8	4180.9	4789.8	5579.1	6973.2	8414.4	10018.0	13168.2	17960.8	18489.3	17457.2
62.5°	2513.5	2434.4	2832.6	3569.1	5255.9	7540.5	10264.9	14168.3	19400.6	19955.5	18739.0
65°	1951.7	1929.5	1964.2	2021.1	2925.5	5645.7	9503.3	15143.5	21231.7	21620.1	20074.8
67.5°	1785.3	1768.6	1783.9	1677.1	1484.2	3144.7	7518.3	15390.4	23193.1	23428.9	21244.1
70°	1586.9	1567.5	1617.4	1525.9	1168.0	1430.1	4857.8	14494.3	24753.6	25196.1	22133.3
72.5°	1292.8	1270.6	1387.1	1345.5	983.5	918.3	2440.0	12365.0	24589.9	25508.2	21496.6
75°	993.2	980.7	1119.4	1154.1	801.8	722.7	1170.8	9191.2	21639.5	22564.7	18526.7
77.5°	771.3	761.5	832.3	958.5	646.4	560.4	719.9	5830.2	16307.3	16469.6	12767.3
80°	578.4	550.7	615.9	742.1	503.5	409.2	488.3	3399.9	10307.9	9343.8	5556.9
82.5°	362.0	348.2	402.3	495.2	355.1	281.6	317.7	1878.2	4130.9	2433.1	1072.3
85°	206.7	201.1	219.2	283.0	192.8	162.3	181.7	829.5	754.6	518.8	323.2
87.5°	83.2	80.5	99.9	126.2	70.7	59.6	63.8	199.7	166.5	154.0	106.8
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°	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2	5264.2
2.5°	5279.5	5279.5	5260.1	5229.5	5194.9	5172.7	5136.6	5126.9	5089.4	5078.3	5096.4
5°	5343.3	5332.2	5272.5	5186.5	5068.6	4960.4	4841.1	4766.2	4660.8	4623.4	4651.1
7.5°	5423.7	5393.2	5290.6	5101.9	4855.0	4612.3	4359.8	4168.4	3985.3	3920.1	3928.4
10°	5497.3	5454.3	5279.5	4949.3	4522.1	4101.8	3699.5	3417.9	3204.3	3116.9	3136.3
12.5°	5570.8	5491.7	5206.0	4695.5	4049.1	3479.0	3050.3	2831.2	2699.4	2594.0	2628.6
15°	5640.1	5529.2	5092.2	4355.6	3530.3	2951.8	2635.6	2460.8	2355.4	2286.0	2298.5
17.5°	5720.6	5561.1	4921.6	3924.2	3036.5	2587.0	2329.0	2223.6	2202.8	2194.5	2200.0
20°	5832.9	5590.2	4696.9	3441.5	2673.0	2295.7	2162.6	2152.9	2151.5	2147.3	2161.2
22.5°	5953.6	5624.9	4400.0	3003.2	2363.7	2114.0	2090.4	2071.0	2058.5	2057.1	2072.4
25°	6096.5	5636.0	4028.3	2643.9	2100.1	2028.0	2000.3	1971.1	1962.8	1962.8	1971.1
27.5°	6235.2	5598.5	3595.5	2331.8	1951.7	1948.9	1912.9	1903.2	1901.8	1905.9	1917.0
30°	6373.9	5527.8	3165.5	2043.3	1865.7	1865.7	1853.2	1860.2	1865.7	1879.6	1889.3
32.5°	6561.2	5452.9	2806.2	1829.6	1790.8	1776.9	1789.4	1803.3	1808.8	1826.9	1842.1
35°	6835.9	5400.2	2520.4	1713.1	1713.1	1695.1	1702.0	1699.3	1686.8	1678.4	1697.9
37.5°	7199.3	5397.4	2284.6	1659.0	1647.9	1645.2	1646.5	1628.5	1580.0	1521.7	1523.1
40°	7636.2	5472.3	2102.9	1621.6	1613.3	1629.9	1621.6	1573.0	1439.9	1338.6	1335.8
42.5°	8223.0	5685.9	1986.4	1575.8	1600.8	1621.6	1588.3	1420.4	1330.3	1262.3	1259.5
45°	8913.8	6032.7	1926.7	1527.2	1577.2	1602.2	1441.2	1367.7	1295.6	1213.8	1208.2
47.5°	9696.1	6469.6	1912.9	1481.5	1524.5	1539.7	1378.8	1345.5	1263.7	1174.9	1168.0
50°	10547.9	6987.1	1950.3	1427.4	1448.2	1395.5	1358.0	1327.5	1242.9	1155.5	1145.8
52.5°	11428.7	7557.2	2025.2	1353.9	1371.9	1313.6	1349.7	1323.3	1230.4	1112.5	1104.2
55°	12294.3	8131.4	2097.4	1267.9	1294.2	1240.1	1326.1	1306.7	1173.5	1040.4	1033.4
57.5°	13173.7	8703.0	2168.1	1191.6	1219.3	1169.4	1288.7	1262.3	1109.7	973.8	971.0
60°	14087.9	9257.8	2201.4	1118.0	1137.5	1104.2	1231.8	1186.0	1037.6	905.8	901.6
62.5°	14943.7	9719.7	2147.3	1044.5	1057.0	1043.1	1156.9	1095.8	965.5	829.5	828.1
65°	15802.4	9994.4	1980.8	972.4	975.2	968.2	1051.5	998.7	880.8	762.9	754.6
67.5°	16580.6	10148.4	1715.9	894.7	887.8	885.0	953.0	893.3	799.0	696.3	688.0
70°	16745.6	9757.2	1310.9	803.2	803.2	796.2	844.8	783.7	708.8	625.6	622.8
72.5°	15294.7	8207.7	930.8	699.1	710.2	696.3	736.6	685.3	617.3	561.8	545.1
75°	12333.1	6018.8	676.9	592.3	611.7	588.1	625.6	589.5	531.3	529.9	477.2
77.5°	8474.1	3721.7	491.0	488.3	502.1	471.6	514.6	495.2	442.5	418.9	392.6
80°	3616.3	1484.2	357.9	377.3	377.3	349.6	399.5	405.0	359.3	348.2	348.2
82.5°	719.9	421.7	251.1	259.4	244.1	235.8	283.0	313.5	432.8	481.3	482.7
85°	216.4	155.4	151.2	141.5	124.8	126.2	166.5	314.9	388.4	221.9	191.4
87.5°	59.6	38.8	40.2	31.9	26.4	34.7	56.9	238.6	130.4	55.5	47.2
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)