

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: P954832

Luminaire Tested: **GALN-SB8A-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954832
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-SB8A-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29783 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 227.1
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

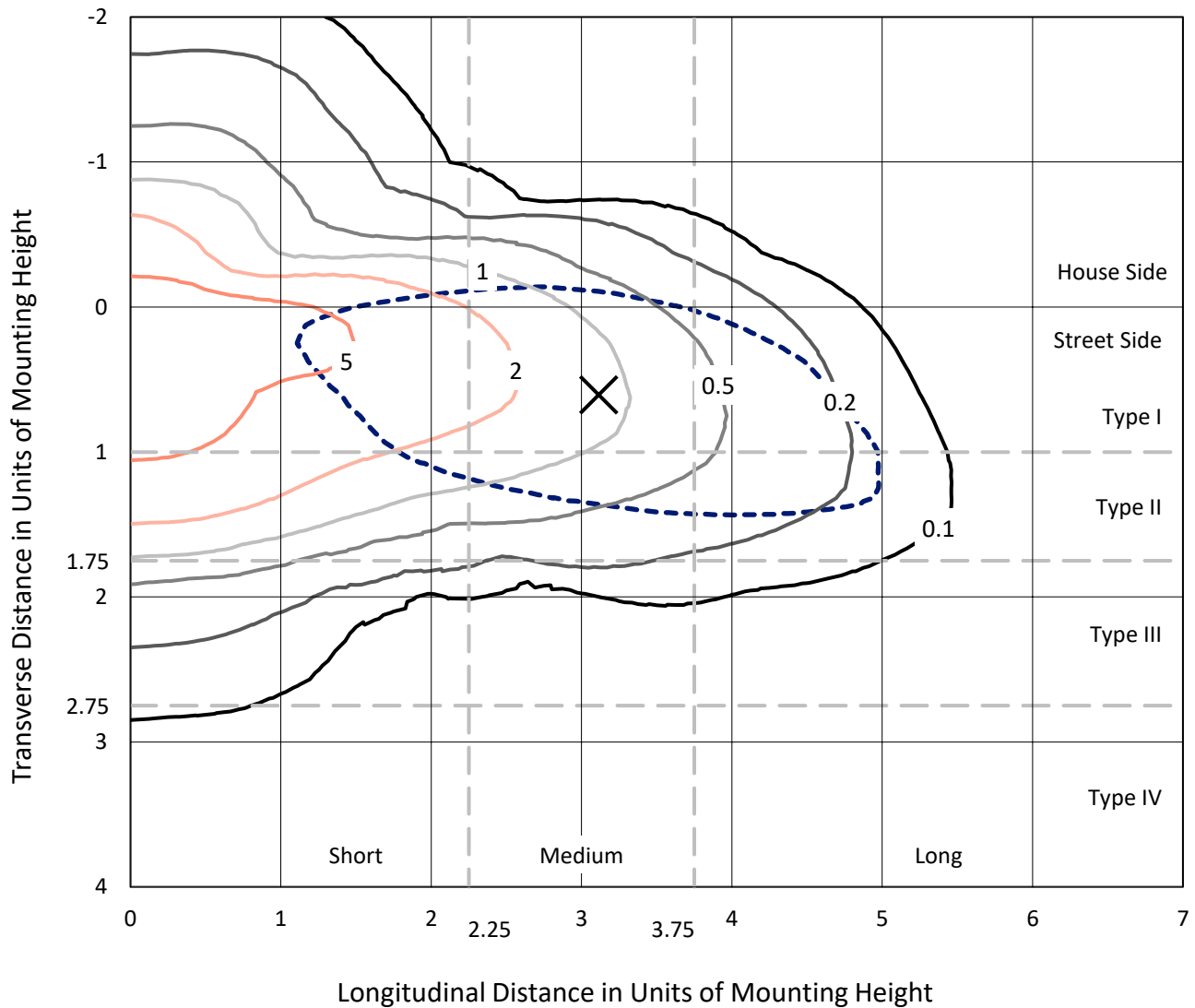


REPORT NUMBER: P954832

CATALOG NUMBER: GALN-SB8A-722-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

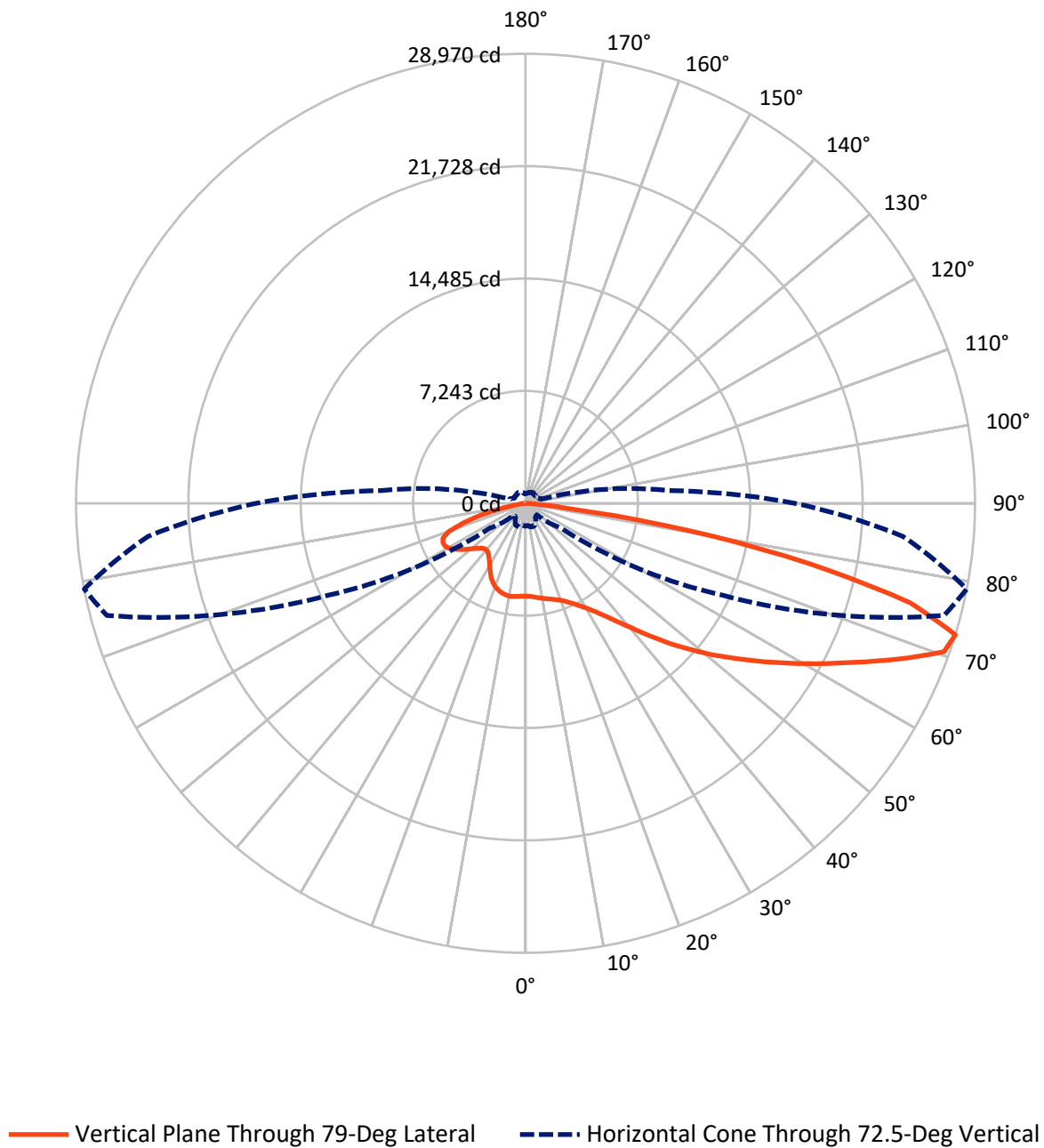


Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type II - Medium - N/A

REPORT NUMBER: P954832

CATALOG NUMBER: GALN-SB8A-722-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P954832

CATALOG NUMBER: GALN-SB8A-722-U-SL2

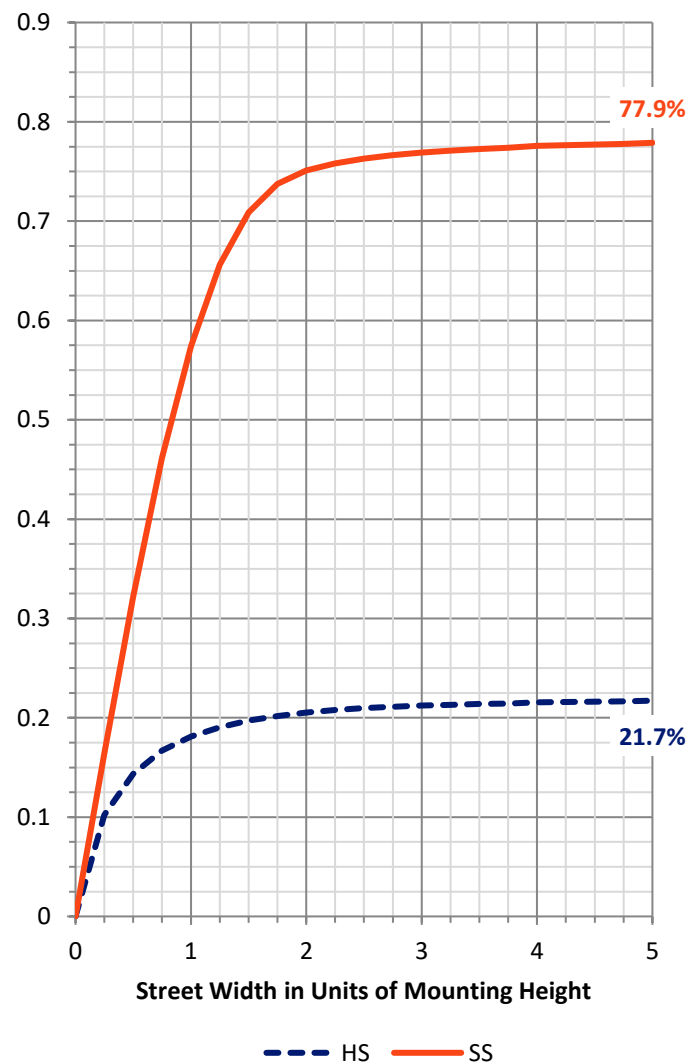
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6553.9	0.0	6553.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	23229.1	0.0	23229.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	29783.0	0.0	29783.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.7	1.8
10°-20°	1418.9	4.8
20°-30°	2289.5	7.7
30°-40°	3436.2	11.5
40°-50°	4874.4	16.4
50°-60°	6155.7	20.7
60°-70°	6252.0	21.0
70°-80°	4261.0	14.3
80°-90°	552.8	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°	29783.0	100.0
0°-180°	29783.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954832

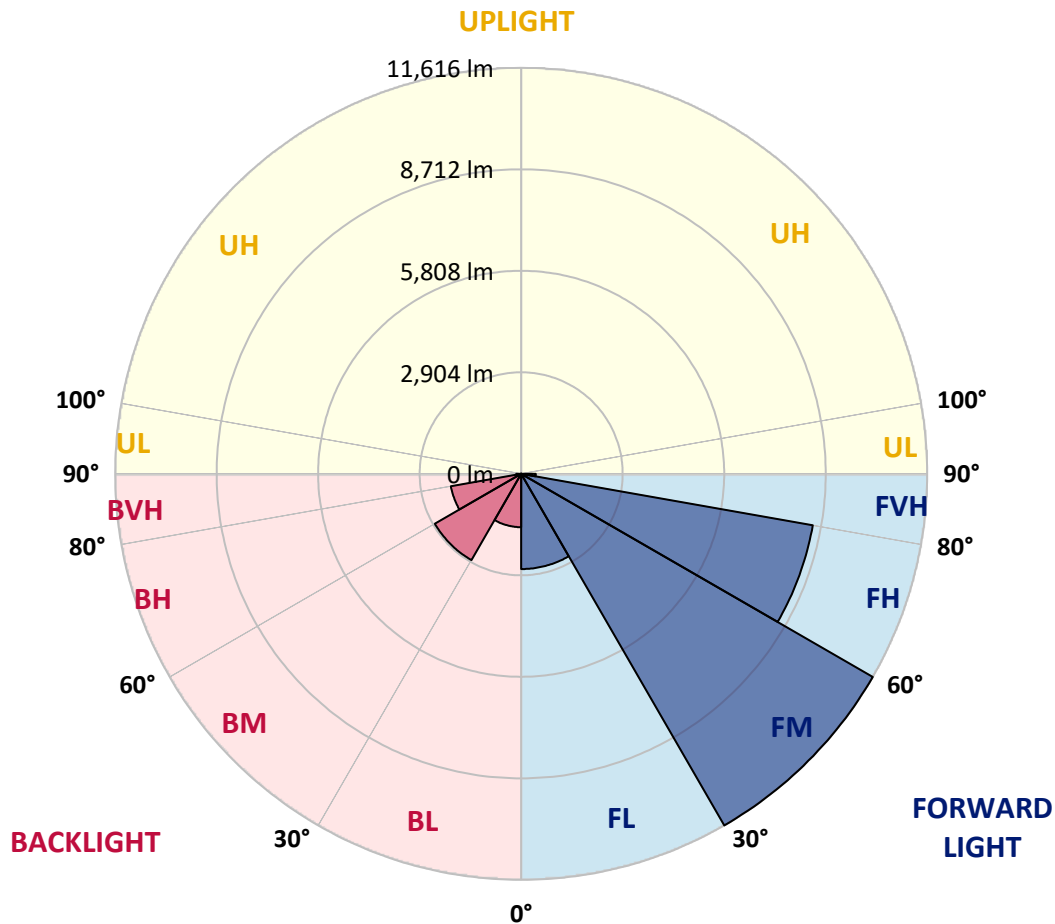
CATALOG NUMBER: GALN-SB8A-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2724.4	9.1			
FM	(30°-60°)	11616.0	39.0			
FH	(60°-80°)	8472.3	28.4			G4/12000
FVH	(80°-90°)	416.4	1.4			G3/500
BL	(0°-30°)	1526.6	5.1	B3/2500		
BM	(30°-60°)	2850.3	9.6	B3/5000		
BH	(60°-80°)	2040.7	6.9	B3/2500		G3/2500
BVH	(80°-90°)	136.4	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-G4

Type II Medium



REPORT NUMBER: P954832

CATALOG NUMBER: GALN-SB8A-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7
2.5°	5981.8	5953.4	5970.8	5964.5	5972.4	5981.8	5985.0	5989.7	6005.4	6003.9	6002.3
5°	5969.2	5940.8	5964.5	5956.6	5977.1	5999.1	6018.0	6035.4	6060.6	6071.6	6055.8
7.5°	5942.4	5923.5	5947.1	5970.8	6008.6	6041.7	6068.5	6107.8	6144.1	6150.4	6161.4
10°	5786.5	5772.3	5827.4	5888.9	5992.8	6082.6	6140.9	6186.6	6226.0	6232.3	6248.0
12.5°	5624.2	5606.9	5668.3	5751.8	5920.4	6082.6	6205.5	6265.4	6300.0	6320.5	6344.1
15°	5597.4	5583.2	5617.9	5690.4	5830.6	6040.1	6249.6	6359.9	6389.8	6413.5	6422.9
17.5°	5726.6	5699.8	5714.0	5739.2	5821.1	6000.7	6284.3	6467.0	6512.7	6537.9	6537.9
20°	6025.9	5988.1	5966.1	5915.6	5901.5	6007.0	6281.1	6596.2	6656.1	6687.6	6695.5
22.5°	6424.5	6399.3	6352.0	6224.4	6085.8	6084.2	6341.0	6761.6	6873.5	6903.4	6884.5
25°	6906.6	6868.8	6808.9	6635.6	6369.4	6237.0	6441.8	6972.7	7160.2	7168.1	7112.9
27.5°	7461.1	7404.4	7322.5	7094.0	6734.8	6476.5	6596.2	7215.3	7489.5	7486.3	7372.9
30°	8045.6	7988.9	7902.2	7625.0	7172.8	6799.4	6810.5	7476.9	7880.2	7862.8	7669.1
32.5°	8472.5	8430.0	8412.7	8198.4	7676.9	7180.7	7056.2	7766.7	8362.2	8346.5	8075.5
35°	8800.2	8745.1	8765.5	8656.8	8226.8	7607.6	7357.1	8111.7	8948.3	8946.7	8609.6
37.5°	9124.7	9075.9	9093.2	9020.8	8735.6	8149.6	7724.2	8534.0	9674.5	9709.2	9255.5
40°	9420.9	9368.9	9438.2	9370.5	9131.0	8726.2	8141.7	9011.3	10515.8	10582.0	10036.9
42.5°	9598.9	9558.0	9673.0	9674.5	9474.5	9213.0	8600.1	9537.5	11489.4	11637.5	10997.9
45°	9660.4	9646.2	9819.5	9855.7	9778.5	9495.0	9012.9	10110.9	12538.6	12803.3	12092.8
47.5°	9594.2	9567.4	9806.9	9940.8	10002.2	9627.3	9354.7	10731.6	13609.9	13997.5	13286.9
50°	9260.2	9208.2	9564.3	9846.3	10065.2	9713.9	9699.8	11448.5	14827.7	15251.5	14487.4
52.5°	8660.0	8620.6	9025.5	9515.4	9926.6	9756.5	10087.3	12231.4	15984.0	16532.3	15717.8
55°	7892.8	7840.8	8286.6	8926.2	9581.6	9742.3	10474.9	13107.4	17348.3	17904.5	16989.1
57.5°	6676.6	6572.6	7136.6	7892.8	9019.2	9725.0	10878.2	13978.6	18734.7	19401.1	18345.6
60°	4902.7	4748.3	5439.9	6336.3	7919.6	9556.4	11377.6	14955.3	20398.3	20998.5	19826.4
62.5°	2854.6	2764.8	3217.0	4053.5	5969.2	8563.9	11658.0	16091.2	22033.6	22663.7	21282.1
65°	2216.6	2191.4	2230.8	2295.4	3322.5	6411.9	10793.1	17198.7	24113.1	24554.2	22799.2
67.5°	2027.5	2008.6	2026.0	1904.7	1685.7	3571.4	8538.7	17479.1	26340.7	26608.6	24127.3
70°	1802.3	1780.2	1836.9	1732.9	1326.5	1624.2	5517.1	16461.4	28113.1	28615.6	25137.1
72.5°	1468.3	1443.1	1575.4	1528.1	1117.0	1042.9	2771.1	14043.1	27927.2	28970.1	24414.0
75°	1128.0	1113.8	1271.4	1310.7	910.6	820.8	1329.6	10438.6	24576.3	25627.1	21041.1
77.5°	875.9	864.9	945.2	1088.6	734.1	636.5	817.6	6621.4	18520.4	18704.8	14500.0
80°	656.9	625.4	699.5	842.8	571.9	464.7	554.5	3861.3	11706.8	10611.9	6311.1
82.5°	411.2	395.4	456.9	562.4	403.3	319.8	360.8	2133.1	4691.5	2763.3	1217.8
85°	234.7	228.4	248.9	321.4	219.0	184.3	206.4	942.1	857.0	589.2	367.1
87.5°	94.5	91.4	113.4	143.4	80.3	67.7	72.5	226.9	189.0	174.9	121.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954832

CATALOG NUMBER: GALN-SB8A-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7	5978.7
2.5°	5996.0	5996.0	5973.9	5939.3	5899.9	5874.7	5833.7	5822.7	5780.2	5767.6	5788.0
5°	6068.5	6055.8	5988.1	5890.4	5756.5	5633.6	5498.2	5413.1	5293.4	5250.8	5282.3
7.5°	6159.8	6125.2	6008.6	5794.3	5513.9	5238.2	4951.5	4734.1	4526.1	4452.1	4461.5
10°	6243.3	6194.5	5996.0	5621.0	5135.8	4658.5	4201.6	3881.8	3639.2	3539.9	3562.0
12.5°	6326.8	6237.0	5912.5	5332.7	4598.6	3951.1	3464.3	3215.4	3065.7	2946.0	2985.4
15°	6405.6	6279.6	5783.3	4946.8	4009.4	3352.5	2993.3	2794.8	2675.0	2596.3	2610.4
17.5°	6497.0	6315.8	5589.5	4456.8	3448.6	2938.1	2645.1	2525.4	2501.7	2492.3	2498.6
20°	6624.6	6348.9	5334.3	3908.6	3035.8	2607.3	2456.1	2445.0	2443.4	2438.7	2454.5
22.5°	6761.6	6388.3	4997.2	3410.7	2684.5	2400.9	2374.1	2352.1	2337.9	2336.3	2353.7
25°	6923.9	6400.9	4575.0	3002.7	2385.2	2303.2	2271.7	2238.6	2229.2	2229.2	2238.6
27.5°	7081.4	6358.3	4083.4	2648.3	2216.6	2213.4	2172.5	2161.5	2159.9	2164.6	2177.2
30°	7239.0	6278.0	3595.1	2320.6	2118.9	2118.9	2104.7	2112.6	2118.9	2134.7	2145.7
32.5°	7451.7	6192.9	3187.0	2078.0	2033.8	2018.1	2032.3	2048.0	2054.3	2074.8	2092.1
35°	7763.6	6133.0	2862.5	1945.6	1945.6	1925.1	1933.0	1929.9	1915.7	1906.2	1928.3
37.5°	8176.3	6129.9	2594.7	1884.2	1871.6	1868.4	1870.0	1849.5	1794.4	1728.2	1729.8
40°	8672.6	6215.0	2388.3	1841.6	1832.2	1851.1	1841.6	1786.5	1635.3	1520.3	1517.1
42.5°	9339.0	6457.6	2256.0	1789.7	1818.0	1841.6	1803.8	1613.2	1510.8	1433.6	1430.5
45°	10123.5	6851.4	2188.2	1734.5	1791.2	1819.6	1636.8	1553.3	1471.4	1378.5	1372.2
47.5°	11012.1	7347.7	2172.5	1682.5	1731.4	1748.7	1566.0	1528.1	1435.2	1334.4	1326.5
50°	11979.4	7935.3	2215.0	1621.1	1644.7	1584.9	1542.3	1507.7	1411.6	1312.3	1301.3
52.5°	12979.7	8582.8	2300.1	1537.6	1558.1	1491.9	1532.9	1502.9	1397.4	1263.5	1254.0
55°	13962.8	9235.0	2382.0	1439.9	1469.9	1408.4	1506.1	1484.0	1332.8	1181.6	1173.7
57.5°	14961.6	9884.1	2462.4	1353.3	1384.8	1328.1	1463.5	1433.6	1260.3	1105.9	1102.8
60°	15999.8	10514.2	2500.2	1269.8	1291.8	1254.0	1399.0	1347.0	1178.4	1028.7	1024.0
62.5°	16971.8	11038.8	2438.7	1186.3	1200.5	1184.7	1313.9	1244.6	1096.5	942.1	940.5
65°	17947.0	11350.8	2249.7	1104.4	1107.5	1099.6	1194.2	1134.3	1000.4	866.5	857.0
67.5°	18830.8	11525.6	1948.8	1016.1	1008.3	1005.1	1082.3	1014.6	907.4	790.9	781.4
70°	19018.3	11081.4	1488.8	912.2	912.2	904.3	959.4	890.1	805.0	710.5	707.4
72.5°	17370.4	9321.7	1057.1	794.0	806.6	790.9	836.5	778.2	701.1	638.0	619.1
75°	14006.9	6835.7	768.8	672.7	694.8	668.0	710.5	669.5	603.4	601.8	541.9
77.5°	9624.1	4226.8	557.7	554.5	570.3	535.6	584.5	562.4	502.6	475.8	445.8
80°	4107.1	1685.7	406.5	428.5	428.5	397.0	453.7	460.0	408.0	395.4	395.4
82.5°	817.6	478.9	285.1	294.6	277.3	267.8	321.4	356.0	491.5	546.7	548.2
85°	245.8	176.4	171.7	160.7	141.8	143.4	189.0	357.6	441.1	252.1	217.4
87.5°	67.7	44.1	45.7	36.2	29.9	39.4	64.6	271.0	148.1	63.0	53.6
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)