

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: P955201

Luminaire Tested: **GALN-SB8B-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8B-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38615 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 292.8
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



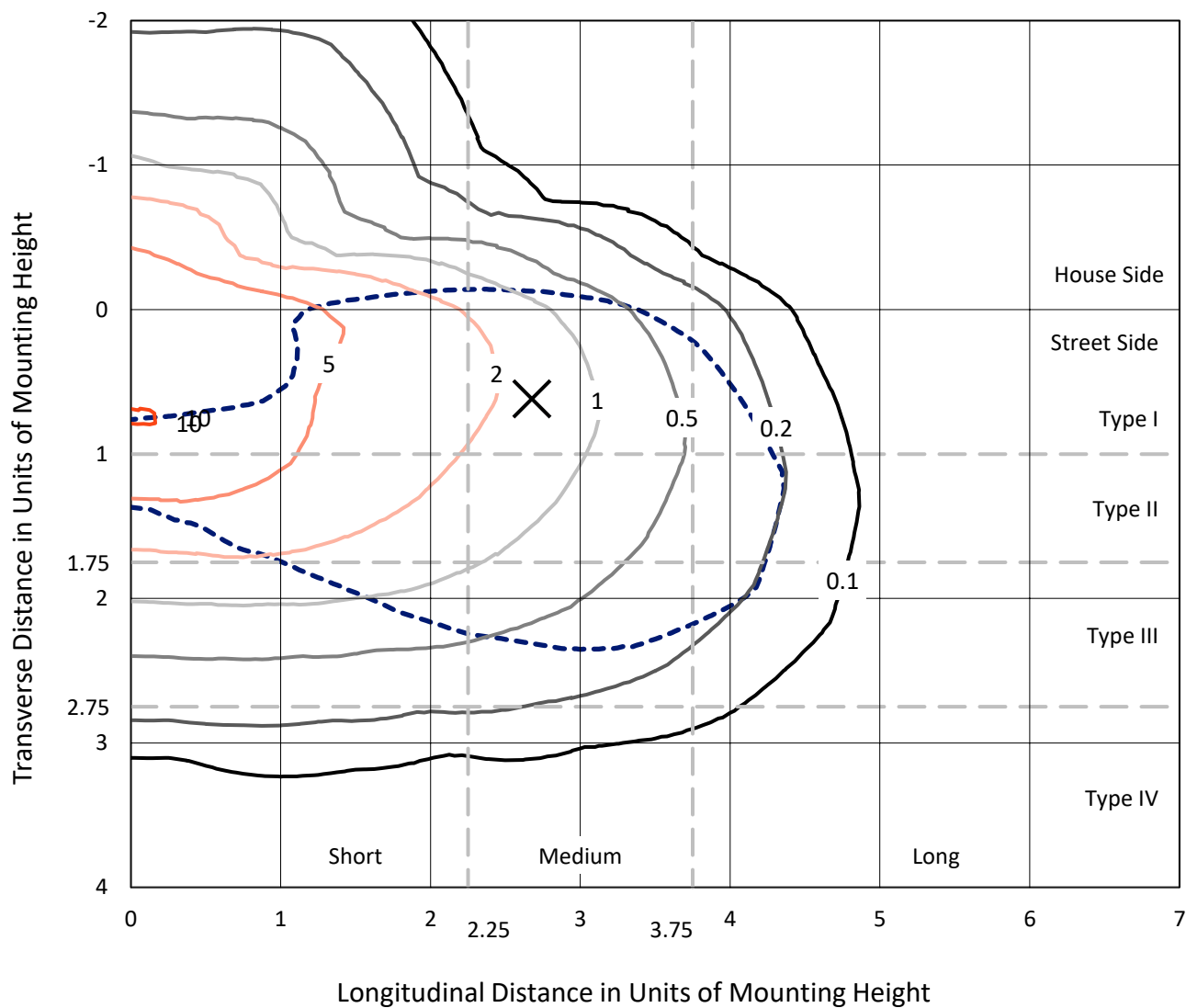
REPORT NUMBER: P955201

CATALOG NUMBER: GALN-SB8B-722-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



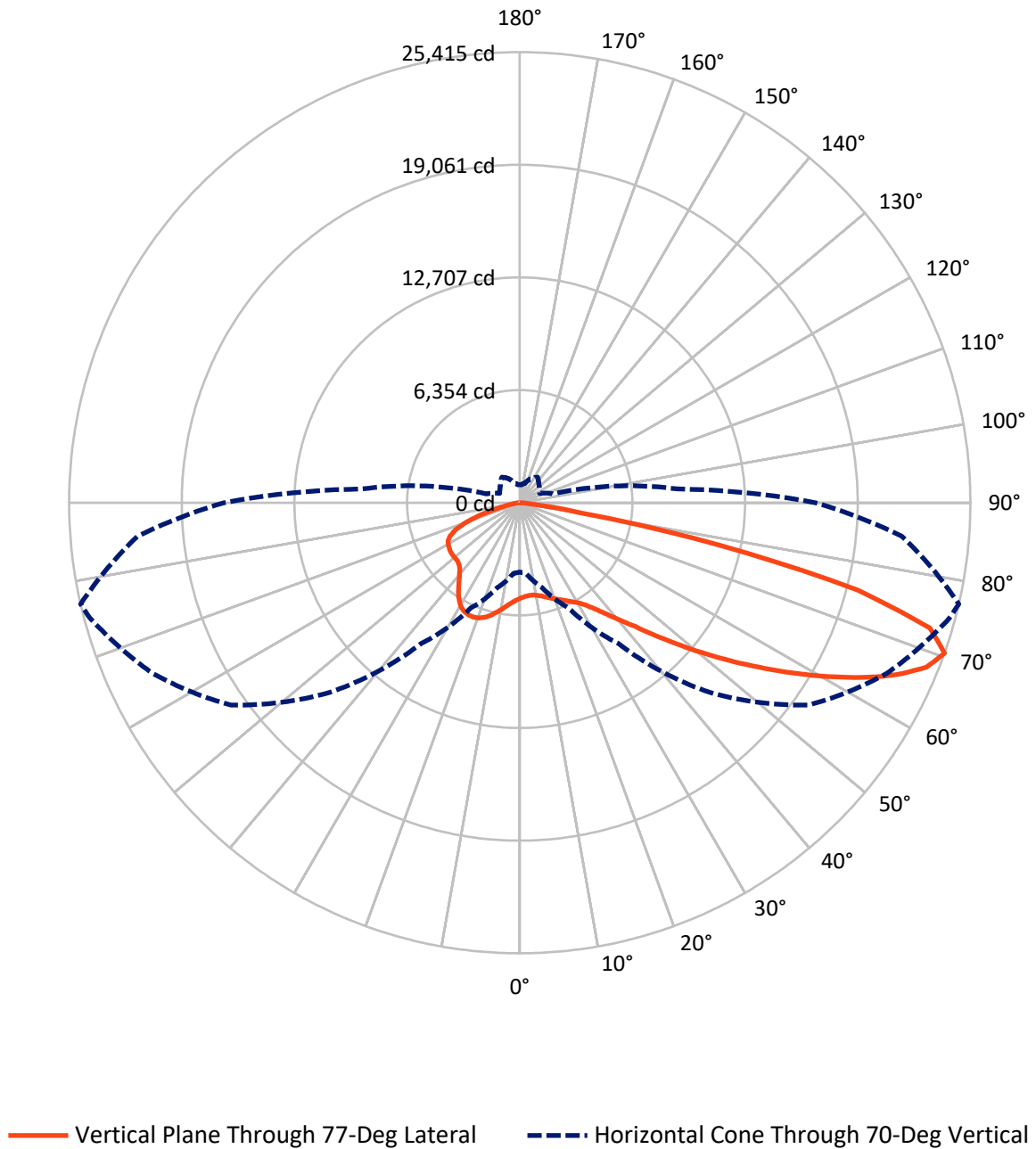
Based on 25 foot mounting height. Maximum calculated value = 10.2 fc

Type III - Medium - N/A

REPORT NUMBER: P955201

CATALOG NUMBER: GALN-SB8B-722-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P955201

CATALOG NUMBER: GALN-SB8B-722-U-T3R

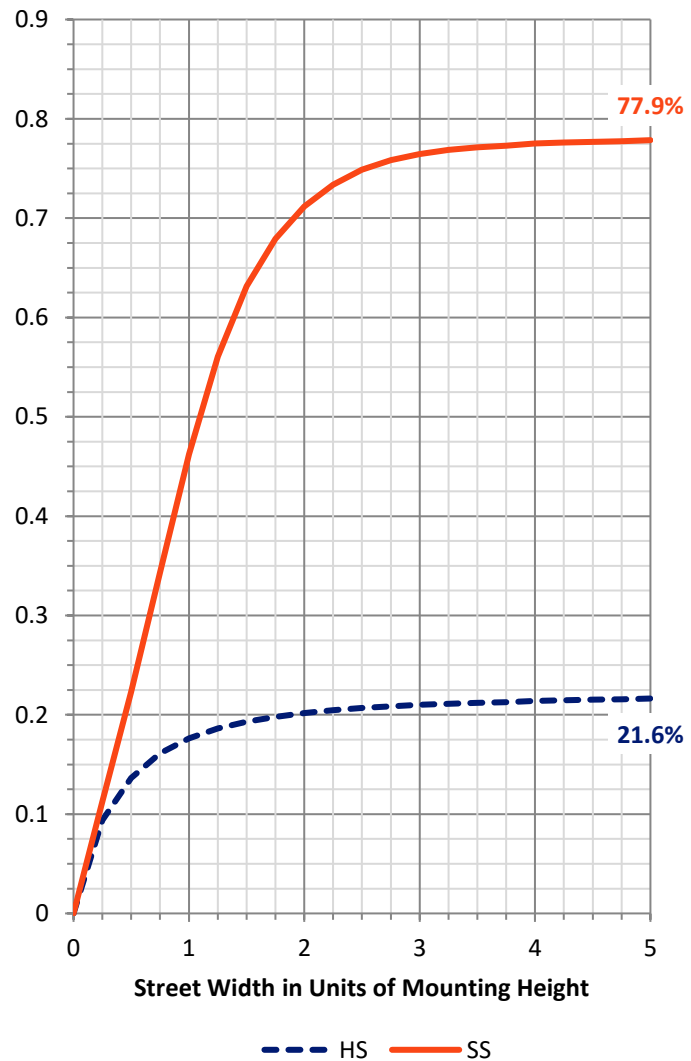
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8456.1	0.0	8456.1
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	30158.9	0.0	30158.9
	% Fixture	78.1	0.0	78.1
Total	Lumens	38615.0	0.0	38615.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.8	1.3
10°-20°	1482.8	3.8
20°-30°	2535.9	6.6
30°-40°	4077.9	10.6
40°-50°	6366.7	16.5
50°-60°	8504.4	22.0
60°-70°	9064.4	23.5
70°-80°	5580.0	14.5
80°-90°	489.0	1.3
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°	38615.0	100.0
0°-180°	38615.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955201

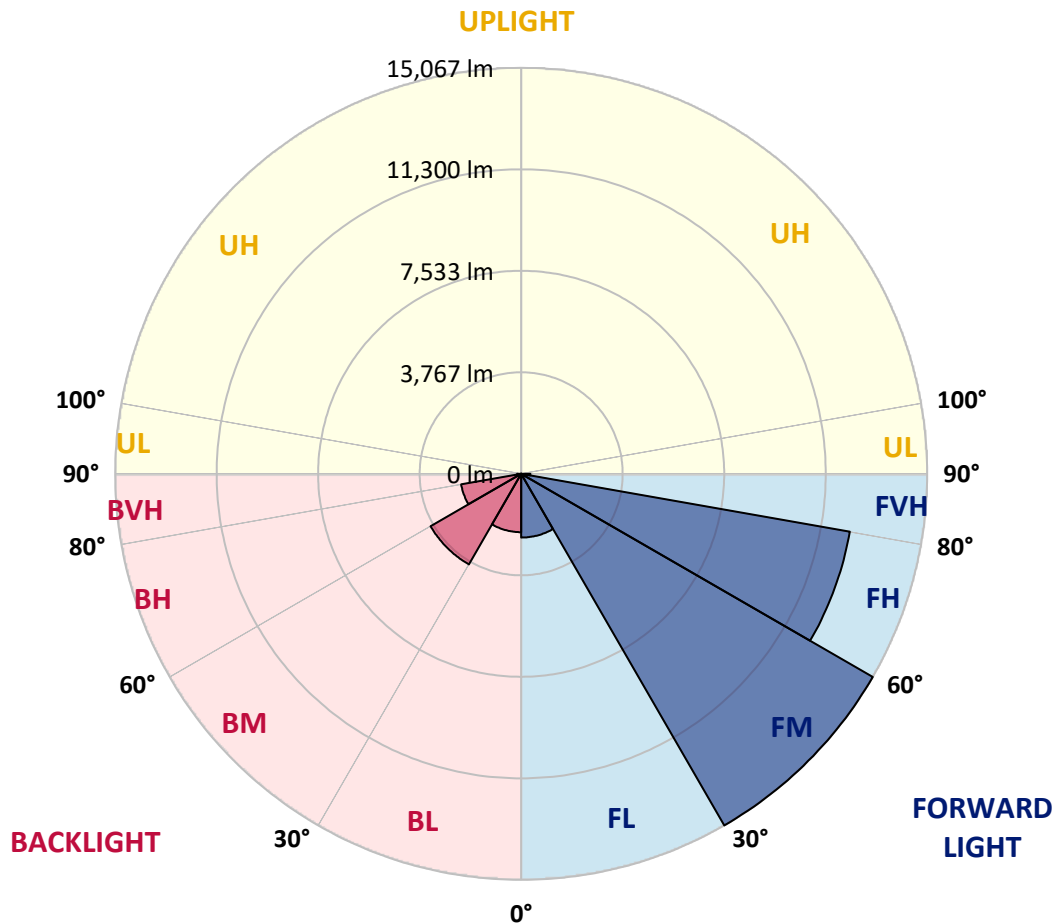
CATALOG NUMBER: GALN-SB8B-722-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2365.8	6.1			
FM	(30°-60°)	15066.7	39.0			
FH	(60°-80°)	12384.5	32.1			G5
FVH	(80°-90°)	341.9	0.9			G3/500
BL	(0°-30°)	2166.7	5.6	B3/2500		
BM	(30°-60°)	3882.4	10.1	B3/5000		
BH	(60°-80°)	2259.9	5.9	B3/2500		G3/2500
BVH	(80°-90°)	147.1	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



REPORT NUMBER: P955201

CATALOG NUMBER: GALN-SB8B-722-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1
2.5°	4965.9	4963.9	4989.6	4997.5	5045.0	5078.6	5141.9	5209.2	5296.2	5306.1	5359.5
5°	4679.1	4679.1	4708.8	4740.5	4801.8	4869.0	4965.9	5082.6	5232.9	5256.6	5389.1
7.5°	4435.9	4451.7	4477.4	4538.7	4609.9	4706.8	4855.2	5021.3	5219.0	5256.6	5470.2
10°	4240.1	4257.9	4289.5	4339.0	4445.8	4580.3	4774.1	4987.7	5252.7	5312.0	5588.9
12.5°	4178.8	4196.6	4214.4	4252.0	4350.9	4509.1	4740.5	5003.5	5333.7	5393.1	5751.0
15°	4321.2	4342.9	4329.1	4319.2	4370.6	4515.0	4756.3	5060.8	5434.6	5519.6	5950.8
17.5°	4649.5	4657.4	4625.7	4532.8	4524.9	4602.0	4831.4	5139.9	5561.2	5654.1	6152.5
20°	5179.5	5165.6	5100.4	4916.5	4811.6	4795.8	4960.0	5258.6	5691.7	5790.6	6370.0
22.5°	5899.4	5883.5	5753.0	5462.3	5228.9	5074.7	5145.9	5412.9	5838.1	5948.8	6581.7
25°	6797.2	6775.5	6583.6	6188.1	5826.2	5444.5	5399.0	5616.6	6018.0	6120.9	6803.1
27.5°	7845.4	7827.6	7619.9	7097.8	6575.7	5950.8	5713.5	5855.9	6205.9	6322.6	7052.3
30°	8972.6	9024.1	8656.2	8094.6	7434.0	6611.3	6136.7	6150.5	6449.1	6554.0	7354.9
32.5°	10297.7	10386.7	9943.7	9231.7	8329.9	7329.2	6670.6	6561.9	6803.1	6890.2	7736.6
35°	11610.8	11711.7	11343.9	10556.7	9518.5	8175.6	7228.3	7034.5	7273.8	7368.8	8242.9
37.5°	12746.0	12880.5	12690.6	12006.4	10790.1	9196.1	7956.1	7590.3	7853.3	7971.9	8923.2
40°	13641.9	13847.6	13833.7	13406.6	12289.2	10434.1	8879.7	8276.5	8573.2	8701.7	9747.9
42.5°	14369.7	14547.7	14701.9	14680.2	13853.5	11840.2	9965.4	9168.4	9393.9	9542.2	10675.4
45°	14872.0	15061.9	15394.1	15752.1	15358.5	13345.2	11209.4	10226.5	10432.2	10655.6	11780.9
47.5°	15320.9	15536.5	15967.6	16535.2	16636.1	14856.2	12572.0	11458.6	11646.4	11877.8	12890.4
50°	15360.5	15546.4	16214.8	17019.7	17543.8	16307.8	14035.5	12840.9	13017.0	13264.2	14079.0
52.5°	14405.3	14698.0	15864.8	17005.9	17961.1	17522.1	15489.0	14278.7	14476.5	14773.1	15309.1
55°	11181.7	11610.8	14838.4	16475.9	17812.8	18307.2	16871.4	15807.4	16060.6	16371.1	16547.1
57.5°	9631.2	9819.1	11778.9	15510.8	17136.4	18510.9	18038.2	17352.0	17759.4	18099.5	17856.3
60°	8656.2	8812.5	9971.4	14009.7	16246.5	18188.5	18940.0	18791.7	19495.8	19901.2	19195.2
62.5°	7612.0	7760.3	8814.4	11697.9	15107.3	17652.6	19509.6	20120.7	21275.7	21718.7	20456.9
65°	6575.7	6702.3	7712.9	9829.0	13659.7	17116.6	19804.3	21269.7	22923.1	23381.9	21505.1
67.5°	5420.8	5525.6	6480.8	8292.3	11899.6	16382.9	19950.6	22173.5	24356.9	24750.4	22023.2
70°	3911.8	3992.9	4979.7	6557.9	9690.5	15121.2	19891.3	22814.3	25100.5	25414.9	21631.6
72.5°	1849.1	1922.3	3081.2	4257.9	6844.7	12664.9	18690.9	22306.0	24345.0	24188.8	19234.7
75°	986.9	1050.1	1770.0	2335.6	3615.2	8681.9	15295.2	19214.9	20443.1	19683.6	14215.4
77.5°	668.4	717.9	1095.6	1402.2	1651.3	4121.4	9830.9	13303.7	12799.4	11545.6	7119.6
80°	530.0	581.4	897.9	949.3	799.0	1489.2	4062.1	6158.4	4424.0	3538.0	2025.1
82.5°	407.4	464.8	755.5	688.2	435.1	611.1	1182.6	1948.0	1133.2	862.3	490.5
85°	249.2	310.5	593.3	439.0	245.2	278.9	401.5	541.9	346.1	288.7	176.0
87.5°	126.6	178.0	300.6	160.2	110.7	65.3	106.8	106.8	91.0	79.1	45.5
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: P955201

CATALOG NUMBER: GALN-SB8B-722-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1	5387.1
2.5°	5406.9	5446.5	5513.7	5577.0	5626.4	5673.9	5721.4	5747.1	5755.0	5786.6	5804.4
5°	5470.2	5543.4	5673.9	5796.5	5873.6	5921.1	5954.7	5974.5	5978.5	5988.4	6004.2
7.5°	5586.9	5703.6	5885.5	6008.1	6065.5	6061.5	6047.7	5998.2	5978.5	5960.7	5964.6
10°	5751.0	5905.3	6128.8	6213.8	6178.2	6083.3	5960.7	5816.3	5749.1	5683.8	5664.0
12.5°	5954.7	6150.5	6370.0	6366.1	6190.1	5946.8	5662.0	5440.5	5300.1	5199.3	5175.5
15°	6201.9	6427.4	6595.5	6461.0	6075.4	5638.3	5221.0	4932.3	4805.7	4695.0	4683.1
17.5°	6457.1	6698.3	6775.5	6431.3	5786.6	5181.5	4708.8	4481.4	4356.8	4297.5	4315.3
20°	6706.2	6945.5	6882.3	6261.3	5347.6	4663.3	4242.1	4117.5	4091.8	4105.6	4099.7
22.5°	6969.3	7182.9	6904.0	5933.0	4787.9	4133.3	3901.9	3905.9	3963.2	4004.8	4014.6
25°	7238.2	7382.6	6846.7	5458.3	4186.7	3743.7	3686.4	3749.6	3862.4	3943.5	3965.2
27.5°	7497.3	7560.6	6722.1	4871.0	3670.5	3464.9	3474.7	3605.3	3775.4	3888.1	3915.8
30°	7790.0	7718.8	6482.8	4210.4	3312.6	3225.6	3308.6	3460.9	3631.0	3731.8	3755.6
32.5°	8120.3	7855.3	6103.1	3599.3	3059.4	3033.7	3170.2	3269.1	3344.2	3373.9	3389.7
35°	8531.6	8047.1	5616.6	3170.2	2832.0	2893.3	3023.8	2974.4	2944.7	2928.9	2944.7
37.5°	9065.6	8306.2	5047.0	2891.3	2648.1	2792.5	2845.9	2691.6	2574.9	2517.6	2531.4
40°	9708.3	8685.9	4499.2	2675.8	2531.4	2705.4	2612.5	2426.6	2278.3	2197.2	2203.1
42.5°	10422.3	9083.4	4038.4	2513.6	2466.1	2634.2	2440.4	2218.9	1979.6	1953.9	1979.6
45°	11171.8	9492.8	3723.9	2389.0	2434.5	2572.9	2341.5	1983.6	1813.5	1918.3	1973.7
47.5°	11921.3	9868.5	3534.1	2296.1	2418.7	2503.7	2254.5	1853.1	1732.4	1884.7	1955.9
50°	12755.9	10204.7	3449.0	2228.8	2400.9	2476.0	2124.0	1819.4	1647.4	1748.3	1823.4
52.5°	13584.5	10465.8	3385.8	2161.6	2375.2	2454.3	2060.7	1779.9	1544.6	1550.5	1592.0
55°	14411.2	10635.9	3316.5	2072.6	2317.8	2406.8	2054.8	1736.4	1467.4	1439.7	1459.5
57.5°	15293.2	10732.8	3231.5	1973.7	2218.9	2286.2	2048.9	1702.8	1443.7	1398.2	1404.1
60°	16191.1	10875.2	3120.7	1853.1	2086.4	2141.8	2035.0	1690.9	1429.8	1352.7	1358.7
62.5°	16996.0	10924.6	2988.2	1738.4	1916.4	1999.4	2005.3	1681.0	1392.3	1259.8	1259.8
65°	17524.0	10711.0	2756.9	1607.8	1732.4	1853.1	1948.0	1647.4	1325.0	1192.5	1192.5
67.5°	17502.3	10101.9	2394.9	1439.7	1554.4	1690.9	1864.9	1590.0	1243.9	1109.5	1115.4
70°	16687.5	8899.5	1936.1	1243.9	1358.7	1516.9	1758.1	1505.0	1147.0	1018.5	1030.4
72.5°	14312.3	6965.3	1406.1	1014.5	1131.2	1336.9	1619.7	1402.2	1048.2	937.4	931.5
75°	10224.5	4408.2	953.2	779.2	880.1	1133.2	1447.6	1281.5	957.2	941.4	888.0
77.5°	5223.0	2106.2	630.9	569.6	613.1	893.9	1216.3	1145.1	971.0	777.2	692.2
80°	1698.8	777.2	397.5	387.6	407.4	595.3	941.4	939.4	735.7	528.0	466.7
82.5°	541.9	334.2	259.1	249.2	239.3	373.8	656.6	743.6	496.4	334.2	332.2
85°	215.6	199.7	152.3	140.4	100.9	176.0	344.1	494.4	369.8	241.3	247.2
87.5°	79.1	79.1	41.5	29.7	21.8	59.3	93.0	148.3	211.6	124.6	122.6
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)