

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: P953773

Luminaire Tested: **GALN-SB7B-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953773
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-SB7B-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 33961 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 256.7
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

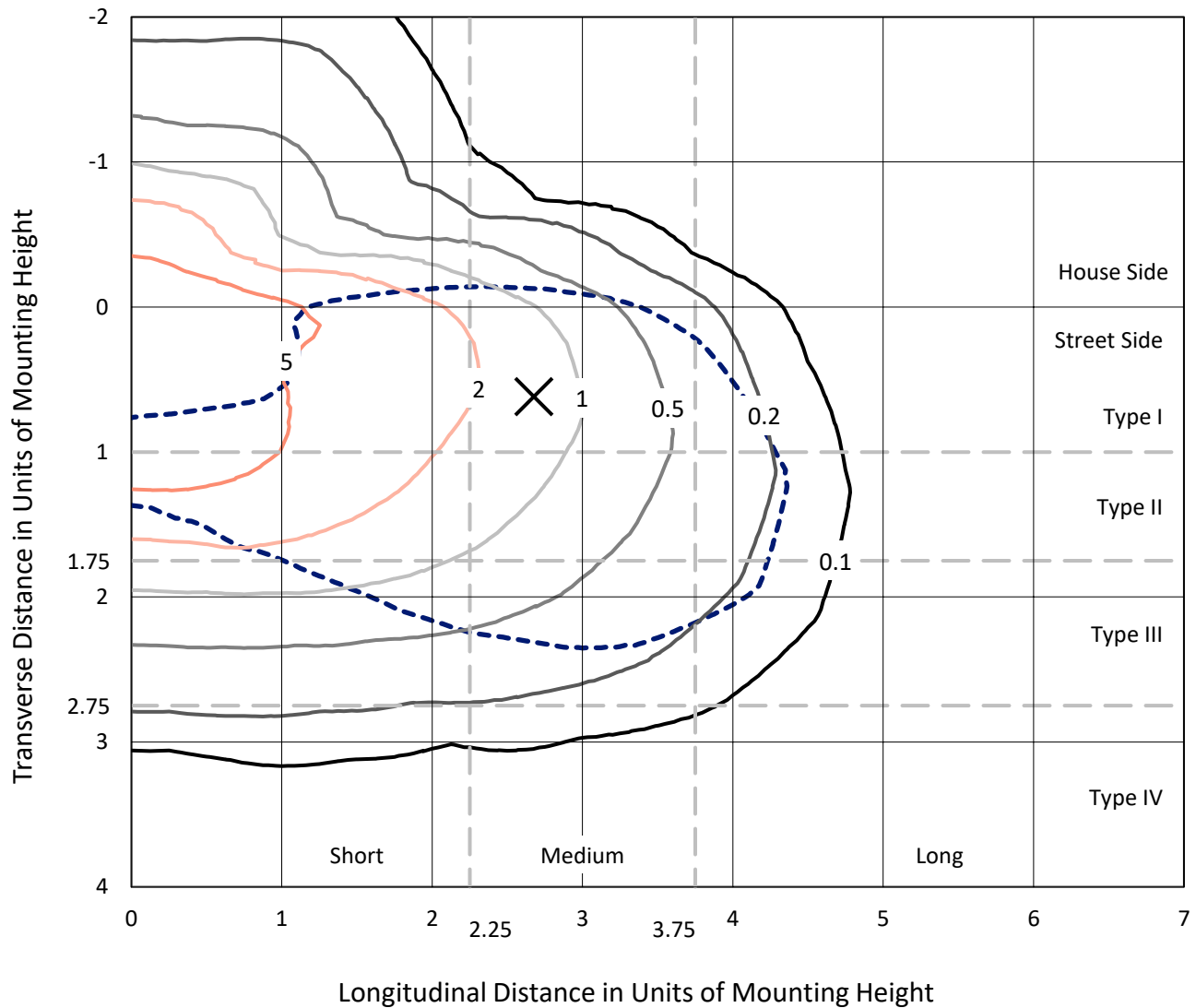


REPORT NUMBER: P953773

CATALOG NUMBER: GALN-SB7B-722-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

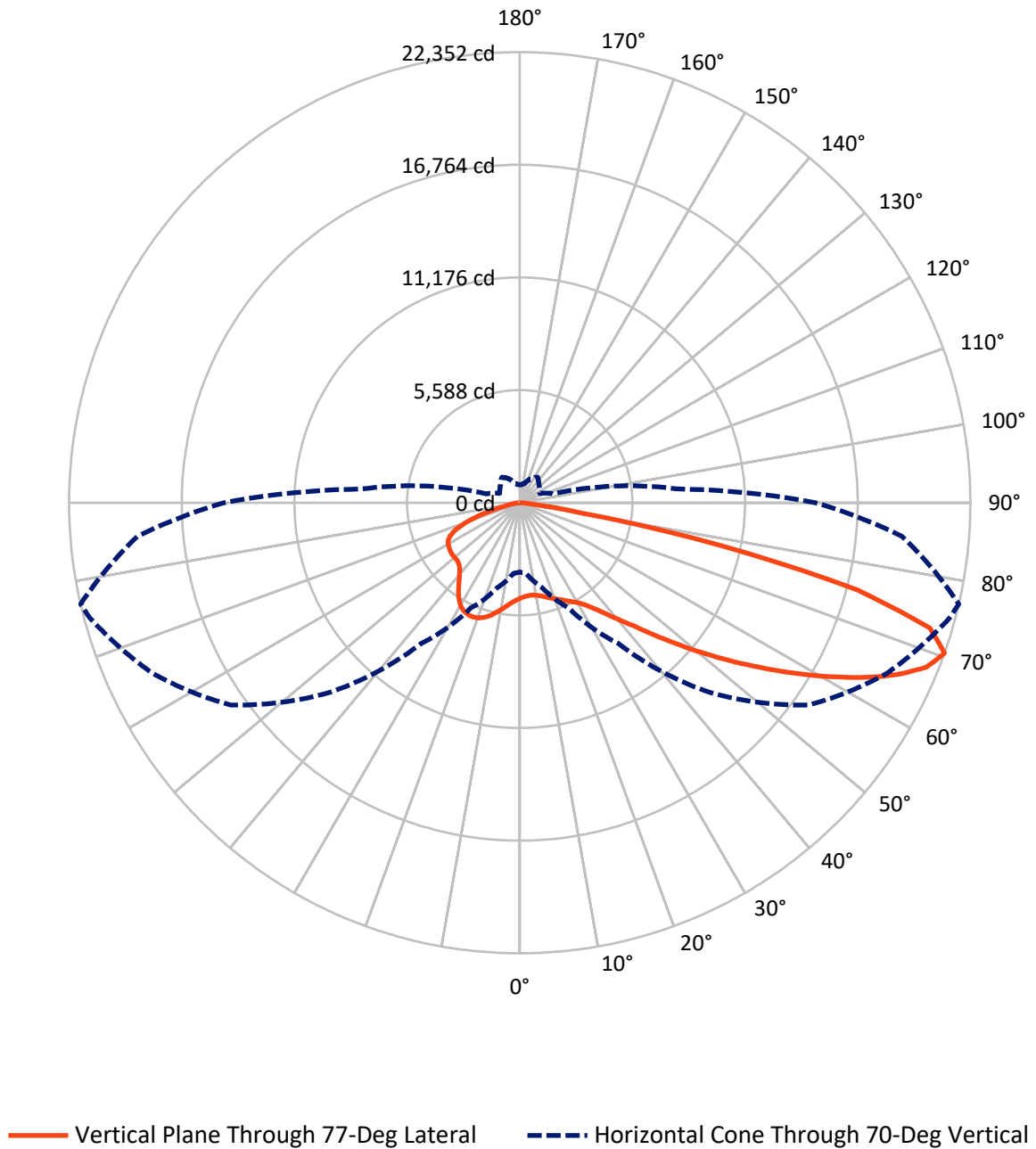


Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type III - Medium - N/A

REPORT NUMBER: P953773

CATALOG NUMBER: GALN-SB7B-722-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P953773

CATALOG NUMBER: GALN-SB7B-722-U-T3R

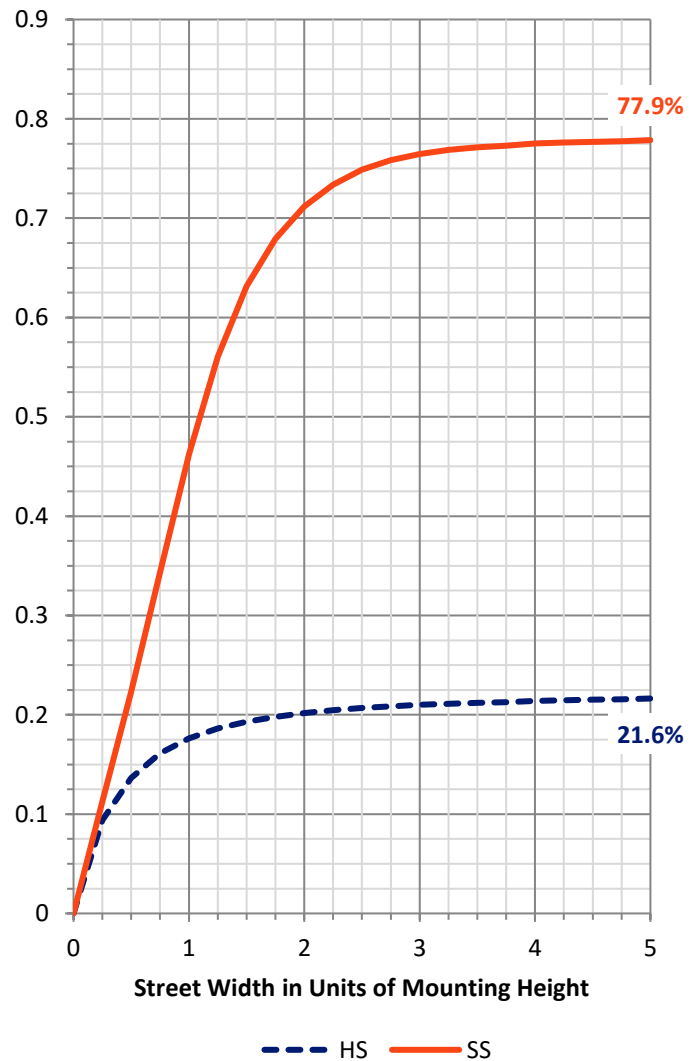
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7436.9	0.0	7436.9
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	26524.1	0.0	26524.1
	% Fixture	78.1	0.0	78.1
Total	Lumens	33961.0	0.0	33961.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.9	1.3
10°-20°	1304.1	3.8
20°-30°	2230.2	6.6
30°-40°	3586.5	10.6
40°-50°	5599.4	16.5
50°-60°	7479.5	22.0
60°-70°	7971.9	23.5
70°-80°	4907.5	14.5
80°-90°	430.0	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°	33961.0	100.0
0°-180°	33961.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953773

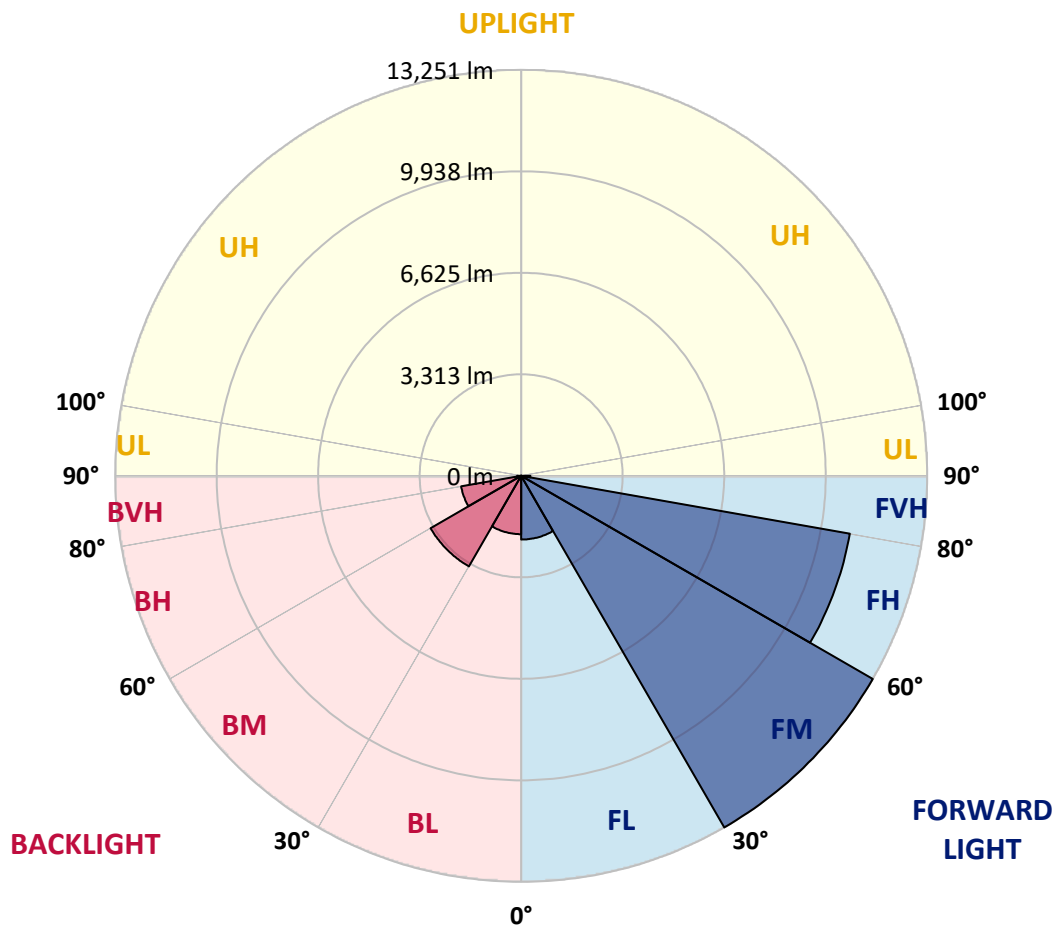
CATALOG NUMBER: GALN-SB7B-722-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2080.7	6.1			
FM	(30°-60°)	13250.9	39.0			
FH	(60°-80°)	10891.9	32.1			G4/12000
FVH	(80°-90°)	300.7	0.9			G3/500
BL	(0°-30°)	1905.6	5.6	B3/2500		
BM	(30°-60°)	3414.5	10.1	B3/5000		
BH	(60°-80°)	1987.6	5.9	B3/2500		G3/2500
BVH	(80°-90°)	129.3	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-G4

Type III Medium



REPORT NUMBER: P953773

CATALOG NUMBER: GALN-SB7B-722-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9
2.5°	4367.4	4365.7	4388.3	4395.2	4437.0	4466.5	4522.2	4581.3	4657.9	4666.6	4713.5
5°	4115.2	4115.2	4141.3	4169.1	4223.0	4282.2	4367.4	4470.0	4602.2	4623.1	4739.6
7.5°	3901.3	3915.2	3937.8	3991.7	4054.3	4139.5	4270.0	4416.1	4590.0	4623.1	4810.9
10°	3729.1	3744.7	3772.6	3816.0	3910.0	4028.2	4198.7	4386.5	4619.6	4671.8	4915.3
12.5°	3675.2	3690.8	3706.5	3739.5	3826.5	3965.6	4169.1	4400.4	4690.9	4743.1	5057.9
15°	3800.4	3819.5	3807.3	3798.6	3843.9	3970.8	4183.0	4450.9	4779.6	4854.4	5233.6
17.5°	4089.1	4096.1	4068.2	3986.5	3979.5	4047.4	4249.1	4520.5	4890.9	4972.7	5411.0
20°	4555.2	4543.1	4485.7	4323.9	4231.7	4217.8	4362.2	4624.8	5005.7	5092.7	5602.3
22.5°	5188.3	5174.4	5059.6	4804.0	4598.7	4463.1	4525.7	4760.5	5134.4	5231.8	5788.4
25°	5978.0	5958.9	5790.1	5442.3	5124.0	4788.3	4748.3	4939.6	5292.7	5383.2	5983.2
27.5°	6899.8	6884.2	6701.5	6242.4	5783.2	5233.6	5024.9	5150.1	5457.9	5560.6	6202.4
30°	7891.2	7936.5	7612.9	7119.0	6538.1	5814.5	5397.1	5409.2	5671.9	5764.1	6468.5
32.5°	9056.6	9134.8	8745.2	8119.1	7326.0	6445.9	5866.7	5771.0	5983.2	6059.7	6804.2
35°	10211.5	10300.2	9976.7	9284.4	8371.3	7190.3	6357.2	6186.7	6397.2	6480.7	7249.4
37.5°	11209.8	11328.1	11161.1	10559.3	9489.7	8087.8	6997.2	6675.5	6906.8	7011.1	7847.7
40°	11997.7	12178.6	12166.4	11790.8	10808.0	9176.6	7809.5	7279.0	7539.9	7652.9	8573.0
42.5°	12637.8	12794.3	12930.0	12910.9	12183.8	10413.2	8764.4	8063.4	8261.7	8392.2	9388.8
45°	13079.6	13246.6	13538.8	13853.6	13507.4	11736.8	9858.4	8994.0	9174.8	9371.4	10361.0
47.5°	13474.4	13664.0	14043.2	14542.3	14631.0	13065.7	11056.8	10077.5	10242.8	10446.3	11336.8
50°	13509.2	13672.7	14260.6	14968.5	15429.4	14342.3	12343.9	11293.3	11448.1	11665.5	12382.1
52.5°	12669.1	12926.5	13952.7	14956.3	15796.4	15410.3	13622.2	12557.8	12731.7	12992.6	13464.0
55°	9834.0	10211.5	13050.0	14490.2	15665.9	16100.8	14838.0	13902.3	14124.9	14398.0	14552.8
57.5°	8470.4	8635.7	10359.3	13641.4	15071.1	16279.9	15864.2	15260.7	15619.0	15918.1	15704.2
60°	7612.9	7750.3	8769.6	12321.2	14288.4	15996.4	16657.3	16526.9	17146.1	17502.6	16881.7
62.5°	6694.6	6825.0	7752.1	10288.0	13286.6	15525.0	17158.3	17695.7	18711.5	19101.1	17991.4
65°	5783.2	5894.5	6783.3	8644.4	12013.4	15053.7	17417.4	18706.2	20160.3	20563.8	18913.2
67.5°	4767.4	4859.6	5699.7	7292.9	10465.4	14408.4	17546.1	19501.1	21421.3	21767.4	19368.9
70°	3440.3	3511.7	4379.6	5767.5	8522.6	13298.7	17493.9	20064.6	22075.3	22351.8	19024.5
72.5°	1626.3	1690.6	2709.8	3744.7	6019.7	11138.5	16438.2	19617.6	21410.9	21273.5	16916.5
75°	867.9	923.6	1556.7	2054.1	3179.5	7635.6	13451.8	16899.1	17979.2	17311.3	12502.1
77.5°	587.9	631.4	963.6	1233.2	1452.3	3624.7	8646.1	11700.3	11256.8	10154.1	6261.5
80°	466.1	511.4	789.6	834.9	702.7	1309.7	3572.5	5416.2	3890.8	3111.6	1781.0
82.5°	358.3	408.7	664.4	605.3	382.6	537.4	1040.1	1713.2	996.6	758.3	431.3
85°	219.2	273.1	521.8	386.1	215.7	245.2	353.1	476.6	304.4	253.9	154.8
87.5°	111.3	156.5	264.4	140.9	97.4	57.4	93.9	93.9	80.0	69.6	40.0
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: P953773

CATALOG NUMBER: GALN-SB7B-722-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9	4737.9
2.5°	4755.3	4790.0	4849.2	4904.8	4948.3	4990.1	5031.8	5054.4	5061.4	5089.2	5104.9
5°	4810.9	4875.3	4990.1	5097.9	5165.7	5207.5	5237.1	5254.4	5257.9	5266.6	5280.5
7.5°	4913.5	5016.2	5176.2	5284.0	5334.5	5331.0	5318.8	5275.3	5257.9	5242.3	5245.7
10°	5057.9	5193.6	5390.1	5464.9	5433.6	5350.1	5242.3	5115.3	5056.2	4998.8	4981.4
12.5°	5237.1	5409.2	5602.3	5598.8	5444.0	5230.1	4979.6	4784.8	4661.3	4572.6	4551.8
15°	5454.5	5652.7	5800.6	5682.3	5343.1	4958.8	4591.8	4337.8	4226.5	4129.1	4118.7
17.5°	5678.8	5891.0	5958.9	5656.2	5089.2	4557.0	4141.3	3941.3	3831.7	3779.5	3795.2
20°	5898.0	6108.4	6052.8	5506.6	4703.1	4101.3	3730.8	3621.2	3598.6	3610.8	3605.6
22.5°	6129.3	6317.2	6071.9	5217.9	4210.9	3635.1	3431.7	3435.1	3485.6	3522.1	3530.8
25°	6365.9	6492.8	6021.5	4800.5	3682.1	3292.5	3242.1	3297.7	3396.9	3468.2	3487.3
27.5°	6593.7	6649.4	5911.9	4283.9	3228.2	3047.3	3056.0	3170.8	3320.3	3419.5	3443.8
30°	6851.1	6788.5	5701.4	3703.0	2913.3	2836.8	2909.9	3043.8	3193.4	3282.1	3302.9
32.5°	7141.6	6908.5	5367.5	3165.5	2690.7	2668.1	2788.1	2875.1	2941.2	2967.3	2981.2
35°	7503.4	7077.2	4939.6	2788.1	2490.7	2544.6	2659.4	2615.9	2589.8	2575.9	2589.8
37.5°	7973.0	7305.1	4438.7	2542.9	2328.9	2455.9	2502.9	2367.2	2264.6	2214.1	2226.3
40°	8538.3	7639.0	3956.9	2353.3	2226.3	2379.4	2297.6	2134.1	2003.7	1932.4	1937.6
42.5°	9166.1	7988.6	3551.7	2210.7	2168.9	2316.8	2146.3	1951.5	1741.0	1718.4	1741.0
45°	9825.3	8348.7	3275.1	2101.1	2141.1	2262.8	2059.3	1744.5	1594.9	1687.1	1735.8
47.5°	10484.5	8679.1	3108.1	2019.3	2127.2	2202.0	1982.8	1629.7	1523.6	1657.6	1720.2
50°	11218.5	8974.8	3033.3	1960.2	2111.5	2177.6	1868.0	1600.2	1448.8	1537.5	1603.6
52.5°	11947.3	9204.4	2977.7	1901.1	2088.9	2158.5	1812.4	1565.4	1358.4	1363.6	1400.1
55°	12674.3	9354.0	2916.8	1822.8	2038.5	2116.7	1807.1	1527.1	1290.6	1266.2	1283.6
57.5°	13450.1	9439.2	2842.0	1735.8	1951.5	2010.6	1801.9	1497.5	1269.7	1229.7	1234.9
60°	14239.7	9564.4	2744.6	1629.7	1835.0	1883.7	1789.7	1487.1	1257.5	1189.7	1194.9
62.5°	14947.6	9607.9	2628.1	1528.8	1685.4	1758.4	1763.7	1478.4	1224.5	1107.9	1107.9
65°	15412.0	9420.1	2424.6	1414.1	1523.6	1629.7	1713.2	1448.8	1165.3	1048.8	1048.8
67.5°	15392.9	8884.4	2106.3	1266.2	1367.1	1487.1	1640.2	1398.4	1094.0	975.8	981.0
70°	14676.3	7826.9	1702.8	1094.0	1194.9	1334.0	1546.2	1323.6	1008.8	895.7	906.2
72.5°	12587.4	6125.8	1236.6	892.3	994.9	1175.8	1424.5	1233.2	921.8	824.4	819.2
75°	8992.2	3876.9	838.3	685.3	774.0	996.6	1273.2	1127.1	841.8	827.9	780.9
77.5°	4593.5	1852.4	554.8	500.9	539.2	786.2	1069.7	1007.1	854.0	683.5	608.8
80°	1494.1	683.5	349.6	340.9	358.3	523.5	827.9	826.2	647.0	464.4	410.5
82.5°	476.6	293.9	227.8	219.2	210.5	328.7	577.4	654.0	436.6	293.9	292.2
85°	189.6	175.7	133.9	123.5	88.7	154.8	302.6	434.8	325.3	212.2	217.4
87.5°	69.6	69.6	36.5	26.1	19.1	52.2	81.7	130.4	186.1	109.6	107.8
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)