

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: P956625

Luminaire Tested: **GALN-SB9B-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956625
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43156 lumens
Efficiency: N/A
Efficacy: 131.0 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): 329.5
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



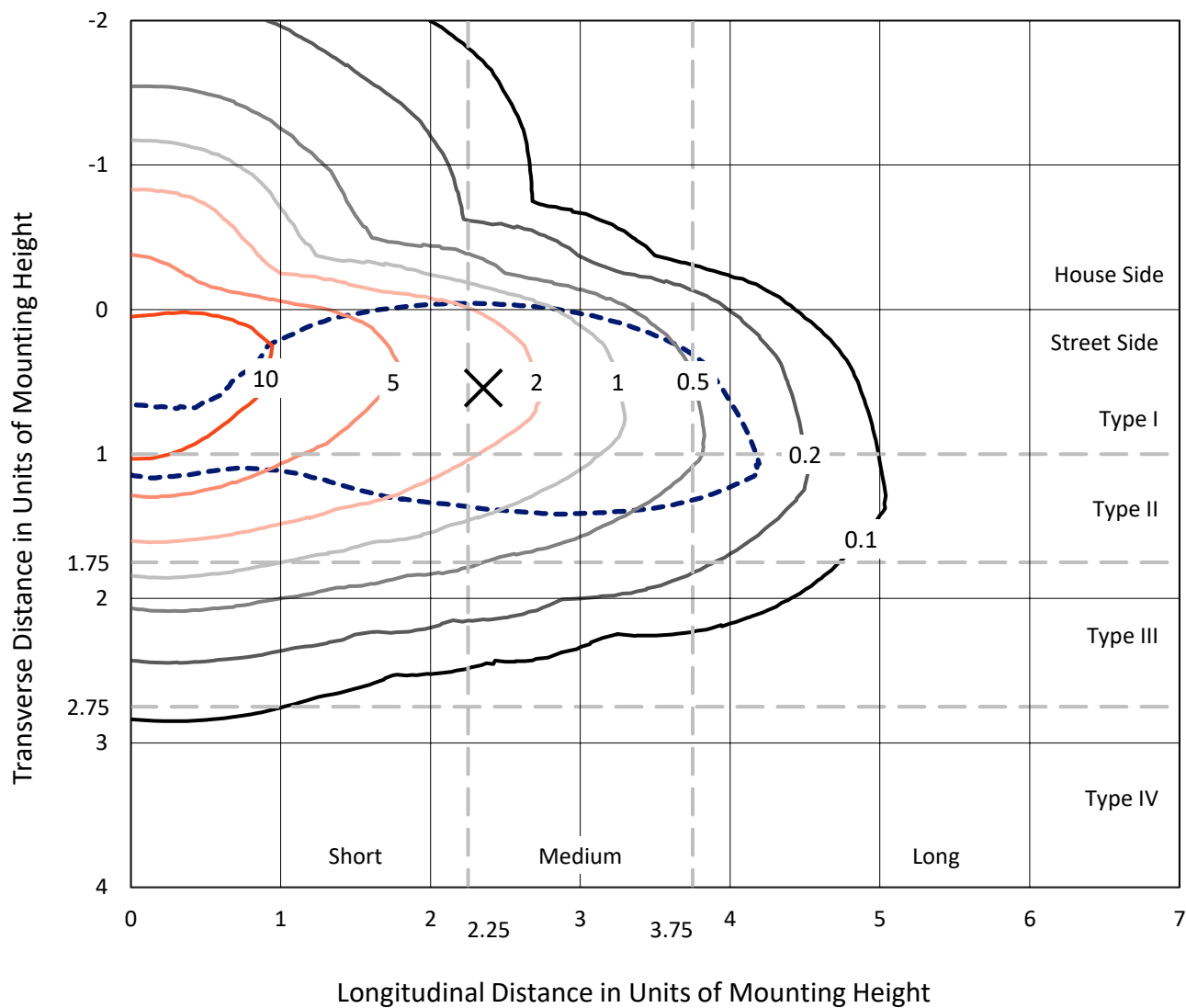
REPORT NUMBER: P956625

CATALOG NUMBER: GALN-SB9B-722-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

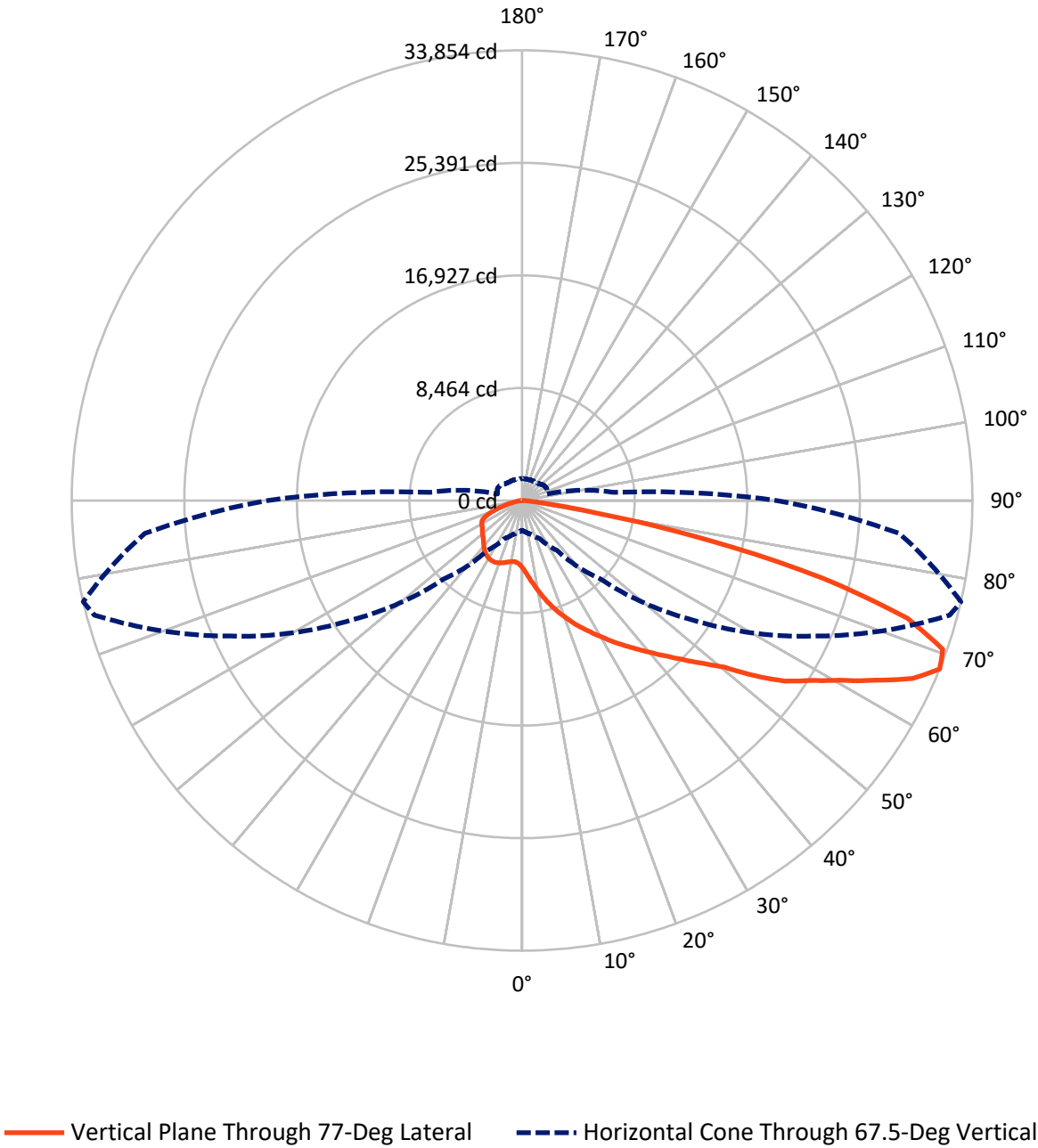
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
Type II - Medium - N/A

REPORT NUMBER: P956625
CATALOG NUMBER: GALN-SB9B-722-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P956625

CATALOG NUMBER: GALN-SB9B-722-U-T2R

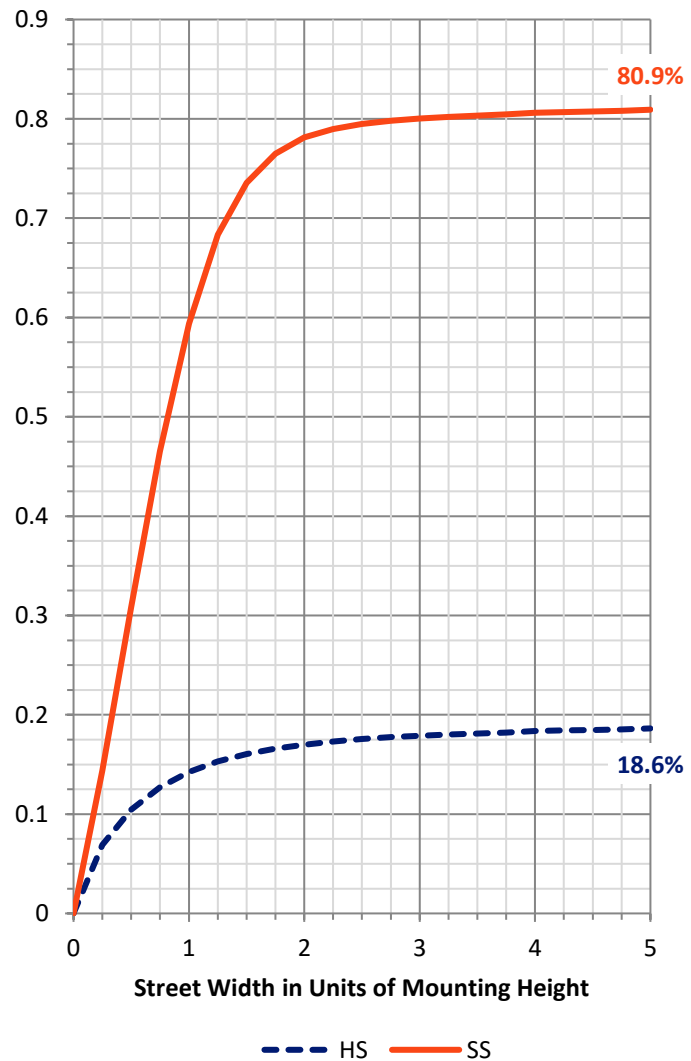
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8163.4	0.0	8163.4
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	34992.6	0.0	34992.6
	% Fixture	81.1	0.0	81.1
Total	Lumens	43156.0	0.0	43156.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.7	1.3
10°-20°	1949.9	4.5
20°-30°	3681.5	8.5
30°-40°	5930.9	13.7
40°-50°	8112.4	18.8
50°-60°	9150.8	21.2
60°-70°	8541.1	19.8
70°-80°	4682.0	10.8
80°-90°	564.8	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°	43156.0	100.0
0°-180°	43156.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956625

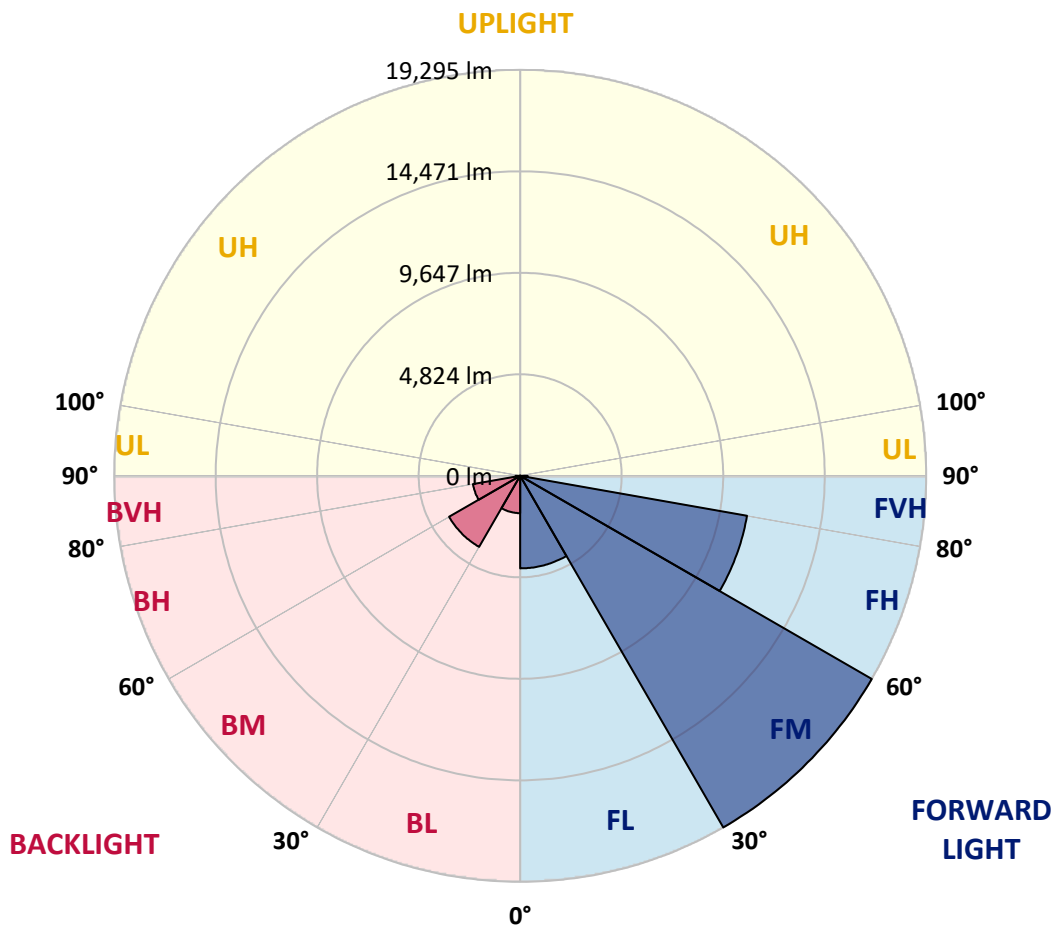
CATALOG NUMBER: GALN-SB9B-722-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4399.2	10.2			
FM	(30°-60°)	19294.6	44.7			
FH	(60°-80°)	10945.6	25.4			G4/12000
FVH	(80°-90°)	353.2	0.8			G3/500
BL	(0°-30°)	1774.9	4.1	B3/2500		
BM	(30°-60°)	3899.4	9.0	B3/5000		
BH	(60°-80°)	2277.5	5.3	B3/2500		G3/2500
BVH	(80°-90°)	211.6	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: P956625

CATALOG NUMBER: GALN-SB9B-722-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5
2.5°	6340.0	6384.6	6328.9	6328.9	6141.7	6043.7	5856.6	5714.0	5457.8	5413.3	5244.0
5°	7493.9	7549.6	7471.7	7438.3	7217.7	7015.0	6700.9	6391.2	5934.6	5887.8	5489.0
7.5°	8387.3	8458.5	8389.5	8353.8	8157.8	7930.6	7563.0	7130.8	6487.0	6395.7	5818.7
10°	9115.7	9126.8	9104.6	9117.9	8964.2	8777.1	8400.6	7897.2	7093.0	6968.2	6217.5
12.5°	9527.8	9579.1	9623.6	9703.8	9677.1	9561.2	9222.6	8621.2	7734.5	7574.1	6651.9
15°	9721.6	9810.7	9911.0	10095.9	10245.1	10274.1	10015.7	9398.6	8387.3	8193.4	7090.7
17.5°	9790.7	9875.4	10033.5	10300.8	10621.6	10837.7	10721.9	10153.8	9033.3	8810.5	7551.9
20°	10140.4	10164.9	10260.7	10514.7	10862.2	11220.9	11307.8	10880.0	9672.6	9420.9	8028.6
22.5°	10888.9	10839.9	10866.7	10982.5	11232.0	11579.5	11777.8	11521.6	10329.8	10040.2	8509.8
25°	12125.3	11982.7	11840.2	11706.5	11833.5	12029.5	12254.5	12163.2	11018.2	10650.6	8995.4
27.5°	13686.9	13513.2	13199.1	12760.2	12606.5	12675.6	12775.8	12758.0	11655.3	11283.3	9496.6
30°	15224.0	15021.3	14647.1	14012.2	13606.7	13424.1	13348.3	13297.1	12348.1	11951.6	10002.3
32.5°	16451.5	16291.1	15923.5	15212.9	14624.8	14312.9	14061.2	13878.5	13072.1	12675.6	10537.0
35°	17525.2	17376.0	16954.9	16179.7	15540.4	15208.4	14878.7	14488.9	13825.0	13424.1	11111.7
37.5°	18505.4	18356.2	17779.2	16972.8	16329.0	16099.5	15805.5	15143.8	14580.2	14201.5	11719.9
40°	19124.7	19091.3	18552.2	17638.9	16970.5	16856.9	16758.9	15903.5	15417.8	15065.9	12388.2
42.5°	19282.9	19356.4	18928.7	18178.0	17540.8	17449.5	17678.9	16763.4	16357.9	16021.5	13145.6
45°	18902.0	19113.6	18832.9	18322.8	17946.3	17897.3	18494.3	17703.5	17398.3	17090.8	14059.0
47.5°	17937.4	18296.0	18180.2	18108.9	18055.4	18267.1	19211.6	18701.5	18576.7	18309.4	15101.5
50°	15990.4	16669.8	16872.5	17322.5	17839.3	18554.4	19864.3	19790.8	19953.4	19683.9	16371.3
52.5°	12624.3	13559.9	14736.2	15863.4	17175.5	18458.6	20581.6	21354.6	22040.8	21893.7	18389.6
55°	10421.1	10842.2	11746.6	13813.9	15887.9	18055.4	20904.6	22617.7	24112.5	23981.1	19920.0
57.5°	8728.1	9104.6	9661.5	11388.0	13940.9	17139.8	21105.1	23388.5	25531.6	25518.2	21430.4
60°	6912.5	7311.3	7881.6	9104.6	11666.4	15558.2	21060.6	24266.2	27342.7	27454.1	23272.7
62.5°	4863.0	5301.9	5934.6	7075.1	9342.9	13508.7	20151.7	24901.1	29474.6	29777.5	25489.2
65°	3196.7	3486.3	3963.1	4947.7	6961.5	10873.4	18416.3	24983.5	31755.7	32268.1	27569.9
67.5°	2241.1	2352.4	2633.1	3167.8	4589.0	8338.2	15651.8	24130.3	33277.2	33854.2	28472.1
70°	1748.7	1804.4	1947.0	2160.9	2882.6	5607.1	11993.9	21911.6	32952.0	33553.5	27529.8
72.5°	1510.4	1563.8	1617.3	1644.0	1933.6	3461.8	8124.4	18320.5	29888.9	30296.6	23936.5
75°	1370.0	1383.4	1427.9	1419.0	1474.7	2245.5	4689.3	13348.3	23582.3	23442.0	17670.0
77.5°	1151.7	1169.5	1243.1	1231.9	1309.9	1534.9	2434.9	8614.5	15288.6	14335.2	9835.3
80°	975.7	984.6	1064.8	1051.5	1138.3	1111.6	1243.1	4390.8	6484.8	5493.5	2835.8
82.5°	338.6	418.8	813.1	837.6	868.8	672.8	717.3	1791.1	1980.4	1517.1	594.8
85°	164.8	176.0	414.4	588.1	585.9	338.6	349.7	639.3	623.8	490.1	198.3
87.5°	26.7	33.4	49.0	229.5	182.7	89.1	120.3	124.8	129.2	111.4	44.6
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: P956625

CATALOG NUMBER: GALN-SB9B-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5	5063.5
2.5°	5119.2	5007.8	4773.9	4557.9	4388.5	4225.9	4134.6	4056.6	4012.1	4003.2	4003.2
5°	5257.3	5027.9	4602.4	4243.7	4009.8	3836.1	3744.7	3686.8	3657.9	3640.0	3637.8
7.5°	5455.6	5119.2	4513.3	4105.6	3860.6	3735.8	3689.1	3680.1	3677.9	3680.1	3686.8
10°	5729.6	5268.5	4504.4	4072.2	3867.3	3798.2	3796.0	3798.2	3807.1	3809.4	3811.6
12.5°	6025.9	5422.2	4540.0	4101.2	3951.9	3914.1	3907.4	3905.1	3911.8	3916.3	3918.5
15°	6348.9	5624.9	4600.2	4163.6	4045.5	4005.4	3998.7	3985.3	3983.1	3980.9	3978.7
17.5°	6680.8	5825.4	4667.0	4230.4	4105.6	4049.9	4025.4	3994.2	3969.7	3963.1	3969.7
20°	7017.2	6023.7	4713.8	4263.8	4110.1	4032.1	3983.1	3929.6	3887.3	3862.8	3871.7
22.5°	7375.9	6230.8	4742.8	4254.9	4070.0	3963.1	3874.0	3811.6	3747.0	3704.6	3706.9
25°	7725.6	6411.3	4740.5	4208.1	3992.0	3856.1	3742.5	3662.3	3573.2	3528.7	3528.7
27.5°	8062.0	6573.9	4684.8	4125.7	3880.6	3729.2	3593.3	3497.5	3410.6	3368.3	3366.0
30°	8409.5	6709.8	4598.0	4005.4	3749.2	3582.1	3432.9	3350.4	3272.5	3232.4	3230.2
32.5°	8754.8	6834.6	4475.4	3856.1	3597.7	3437.3	3290.3	3214.6	3167.8	3167.8	3170.0
35°	9120.2	6921.4	4312.8	3682.4	3437.3	3283.6	3167.8	3123.2	3118.8	3092.0	3085.4
37.5°	9505.6	6977.1	4114.5	3504.2	3279.2	3134.4	3098.7	3045.3	3000.7	2942.8	2933.9
40°	9911.0	7032.8	3876.2	3319.3	3112.1	3031.9	3016.3	2945.0	2818.0	2675.5	2655.4
42.5°	10403.3	7070.7	3628.9	3134.4	2936.1	2909.4	2931.6	2809.1	2606.4	2499.5	2501.7
45°	10973.6	7133.1	3401.7	2951.7	2755.7	2755.7	2849.2	2688.8	2521.7	2454.9	2466.1
47.5°	11713.2	7277.9	3190.1	2751.2	2588.6	2633.1	2666.5	2544.0	2450.5	2368.0	2365.8
50°	12782.5	7625.4	2971.7	2548.5	2461.6	2550.7	2503.9	2432.6	2323.5	2256.7	2250.0
52.5°	14110.2	7830.3	2777.9	2365.8	2352.4	2441.5	2374.7	2307.9	2225.5	2136.4	2118.5
55°	15014.6	7868.2	2615.3	2232.1	2278.9	2270.0	2245.5	2185.4	2140.8	2022.7	2025.0
57.5°	16026.0	7943.9	2481.6	2151.9	2232.1	2134.1	2125.2	2074.0	2016.1	1935.9	1909.1
60°	17235.6	8062.0	2365.8	2120.8	2192.0	2045.0	2000.5	1980.4	1922.5	1882.4	1893.5
62.5°	18554.4	8168.9	2247.7	2125.2	2145.3	1958.1	1891.3	1884.6	1849.0	1835.6	1835.6
65°	19454.4	7877.1	2100.7	2120.8	2071.8	1869.0	1784.4	1782.2	1753.2	1748.7	1746.5
67.5°	19140.3	6952.6	1902.4	2058.4	1996.0	1779.9	1686.4	1677.5	1639.6	1641.8	1641.8
70°	17567.6	5633.8	1628.4	1904.7	1902.4	1699.7	1583.9	1554.9	1503.7	1512.6	1521.5
72.5°	14618.1	4174.7	1260.9	1648.5	1753.2	1626.2	1465.8	1419.0	1354.4	1363.3	1361.1
75°	10557.0	2838.1	917.8	1254.2	1526.0	1539.3	1350.0	1269.8	1191.8	1205.2	1209.6
77.5°	5402.1	1608.4	675.0	864.3	1198.5	1399.0	1245.3	1138.3	1120.5	1245.3	1227.5
80°	1762.1	806.4	467.8	605.9	786.4	1145.0	1091.6	969.0	964.6	993.5	853.2
82.5°	525.7	340.8	300.7	398.8	434.4	877.7	942.3	732.9	630.4	663.9	686.1
85°	180.4	164.8	171.5	198.3	207.2	514.6	659.4	485.6	458.9	505.7	499.0
87.5°	42.3	57.9	49.0	44.6	44.6	124.8	256.2	202.7	280.7	187.1	180.4
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)