

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: P943135

Luminaire Tested: **GALN-SB7C-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43595 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 350.5
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

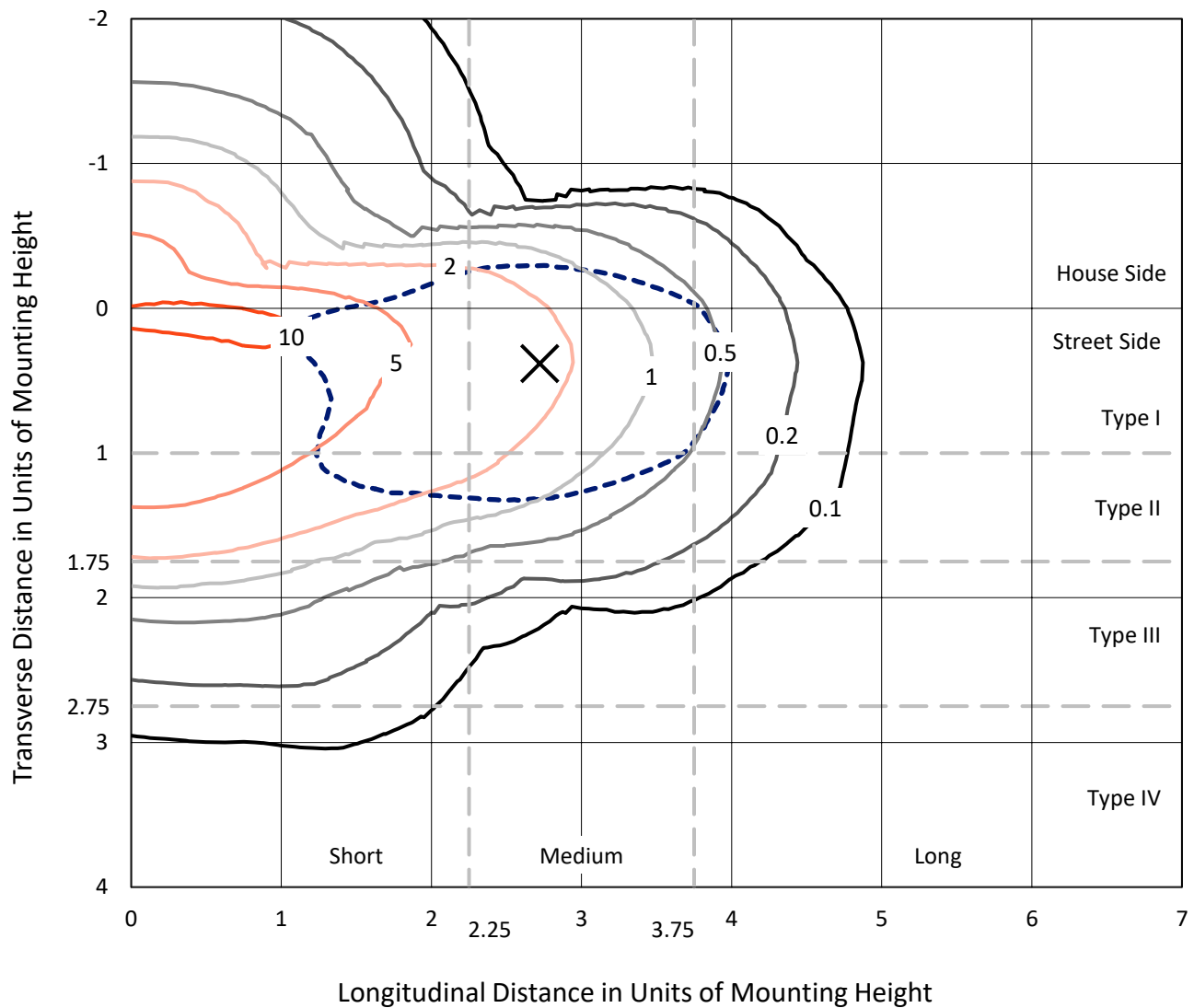


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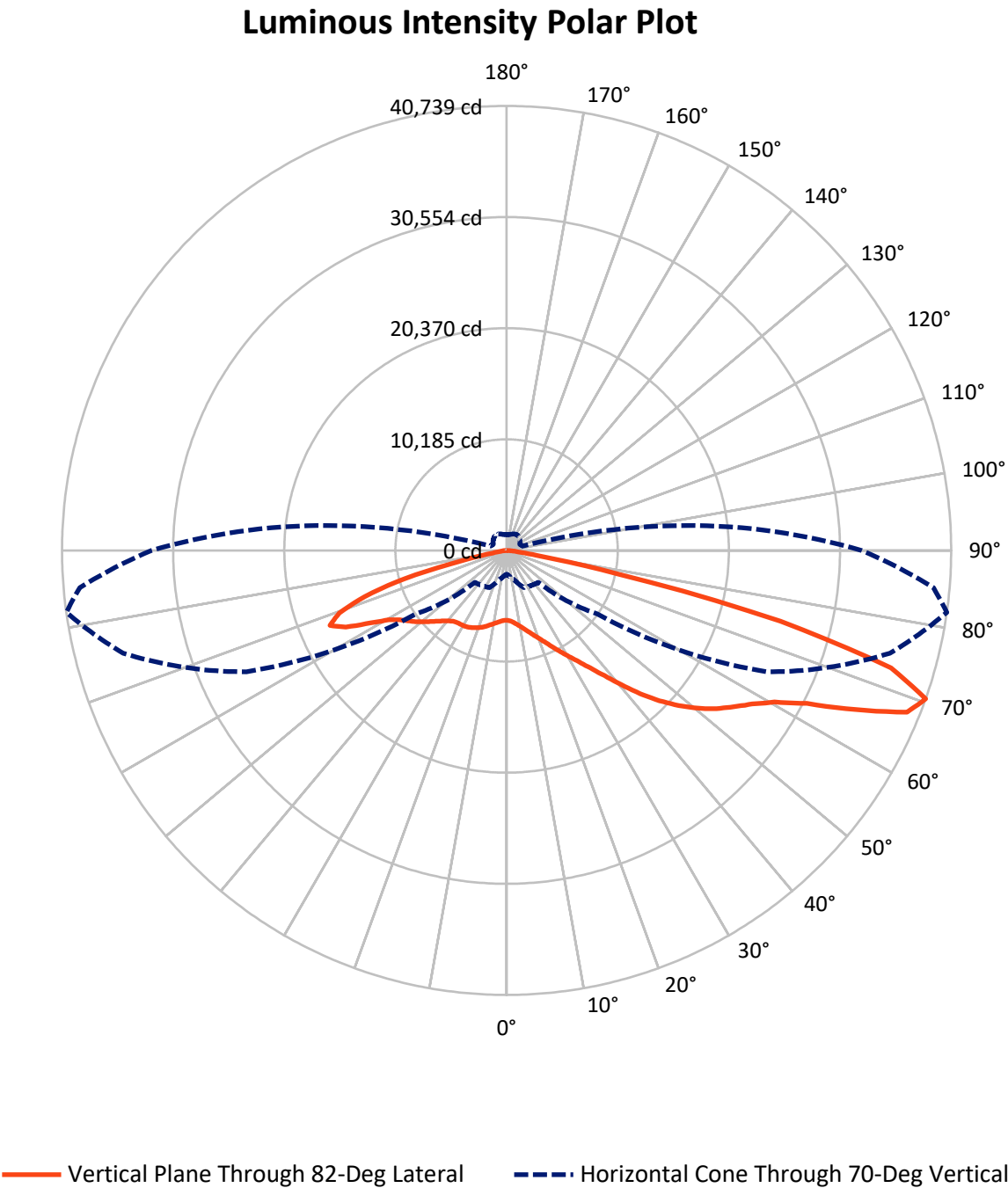
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
Type II - Medium - N/A

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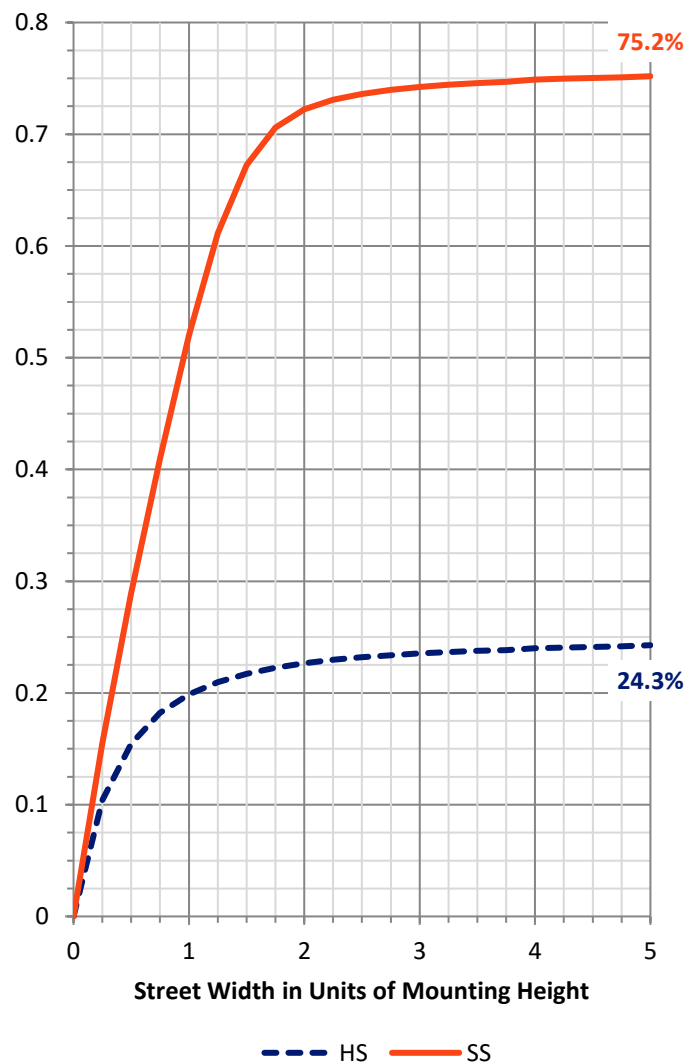
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10747.2	0.0	10747.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	32847.8	0.0	32847.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	43595.0	0.0	43595.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.5	1.4
10°-20°	1733.8	4.0
20°-30°	2900.5	6.7
30°-40°	4531.4	10.4
40°-50°	7216.7	16.6
50°-60°	10042.9	23.0
60°-70°	10505.4	24.1
70°-80°	5490.7	12.6
80°-90°	570.1	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°	43595.0	100.0
0°-180°	43595.0	100.0

Coefficient of Utilization



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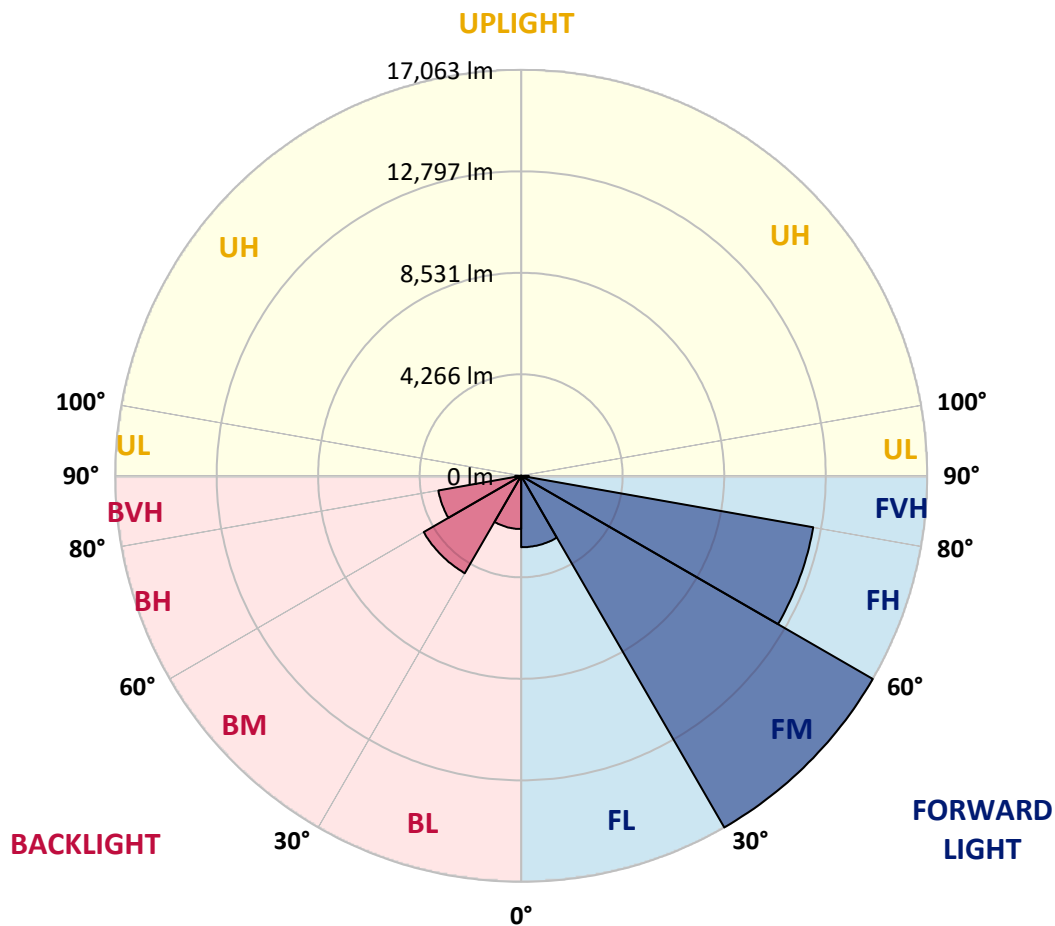
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3002.0	6.9			
FM	(30°-60°)	17062.6	39.1			
FH	(60°-80°)	12464.0	28.6			G5
FVH	(80°-90°)	319.2	0.7			G3/500
BL	(0°-30°)	2235.8	5.1	B3/2500		
BM	(30°-60°)	4728.4	10.8	B3/5000		
BH	(60°-80°)	3532.1	8.1	B4/5000		G4/5000
BVH	(80°-90°)	251.0	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6
2.5°	6544.2	6581.3	6569.7	6558.1	6558.1	6541.9	6539.6	6516.5	6498.0	6467.9	6461.0
5°	6627.5	6666.9	6662.2	6671.5	6701.6	6708.5	6715.4	6701.6	6664.5	6627.5	6611.3
7.5°	6553.5	6597.5	6611.3	6666.9	6759.4	6842.7	6905.1	6930.6	6895.9	6842.7	6817.2
10°	6303.7	6352.2	6400.8	6532.7	6696.9	6893.6	7060.1	7159.6	7152.6	7101.7	7057.8
12.5°	5797.1	5848.0	5952.1	6208.8	6509.5	6856.5	7166.5	7374.7	7446.4	7409.4	7333.1
15°	5392.2	5436.2	5514.8	5778.6	6169.5	6696.9	7205.8	7610.7	7793.4	7772.6	7680.1
17.5°	5380.7	5399.2	5447.8	5572.7	5873.4	6447.1	7164.2	7842.0	8191.3	8189.0	8073.3
20°	5584.2	5591.2	5618.9	5644.4	5815.6	6257.4	7057.8	8034.0	8637.8	8637.8	8512.8
22.5°	5866.5	5861.8	5889.6	5866.5	5949.7	6241.2	6990.7	8202.9	9135.1	9172.1	9014.8
25°	6289.8	6266.7	6259.7	6206.5	6222.7	6391.6	7064.7	8394.9	9725.0	9801.3	9604.7
27.5°	6854.2	6817.2	6791.8	6669.2	6627.5	6701.6	7291.4	8626.2	10382.0	10513.8	10264.0
30°	7589.8	7522.8	7485.8	7272.9	7122.6	7134.1	7633.8	8933.9	11069.0	11281.8	10964.9
32.5°	8593.8	8489.7	8390.2	8040.9	7765.7	7675.4	8075.6	9359.5	11813.9	12153.9	11746.8
35°	9718.1	9634.8	9528.4	8989.4	8566.0	8357.9	8672.5	9954.0	12686.0	13225.0	12695.2
37.5°	10800.7	10729.0	10779.9	10053.5	9507.6	9204.5	9454.3	10752.1	13761.7	14557.4	13884.3
40°	11920.3	11864.8	11871.7	11177.7	10541.6	10201.5	10402.8	11753.7	14994.6	16142.0	15313.9
42.5°	13137.1	13095.4	12956.6	12341.3	11626.5	11309.6	11494.7	12910.4	16317.8	17946.4	16882.3
45°	14499.6	14474.1	14344.6	13639.1	12820.2	12463.9	12713.7	14187.3	17648.0	19644.3	18457.6
47.5°	15677.0	15697.9	15681.7	15087.2	14238.2	13715.4	14013.8	15519.7	18885.6	21240.5	19968.2
50°	16243.8	16352.5	16512.1	16327.1	15799.7	15267.6	15325.4	16805.9	20065.3	22737.2	21416.3
52.5°	15947.7	16153.6	16588.5	16884.6	17088.1	16977.1	16822.1	18082.9	21175.7	24088.1	22785.7
55°	14844.3	15133.4	15855.2	16570.0	17608.6	18416.0	18619.5	19498.6	22258.3	25277.1	24081.2
57.5°	12834.0	13303.6	13951.3	15397.1	17146.0	19112.3	20715.4	21462.5	23405.7	26547.1	25436.7
60°	9387.3	10016.5	10821.5	12972.8	15526.7	18739.8	22498.9	24479.1	25036.5	28191.9	27201.8
62.5°	6007.6	6396.2	7136.4	9162.9	12098.4	16831.4	23044.8	28249.7	27800.9	30889.1	29848.2
65°	4113.0	4362.8	5040.6	6178.8	7821.2	12528.7	21582.8	31076.5	32191.5	35164.1	34372.9
67.5°	2988.7	3178.4	3756.8	4753.8	5096.1	7414.0	16748.1	30947.0	36459.5	39568.5	38337.9
70°	2179.1	2313.3	2799.1	3756.8	3921.0	4124.6	10146.0	26306.5	36367.0	40739.0	39265.5
72.5°	1614.7	1707.2	2033.4	2914.7	3173.8	2785.2	5022.1	19119.2	31250.0	36848.1	35666.0
75°	1168.2	1237.6	1478.2	2230.0	2540.0	2121.3	2505.3	11173.1	21798.0	25920.2	26128.4
77.5°	892.9	946.1	1103.4	1633.2	2033.4	1591.5	1554.5	5140.1	10335.7	10386.6	10969.5
80°	717.1	751.8	837.4	1149.7	1559.1	1191.3	1013.2	2075.0	3266.3	2764.4	2900.8
82.5°	527.4	585.3	707.9	807.3	1115.0	821.2	617.6	1047.9	1242.2	1068.7	1078.0
85°	300.7	340.1	428.0	578.3	712.5	502.0	353.9	465.0	578.3	474.2	423.3
87.5°	106.4	138.8	150.4	226.7	310.0	208.2	136.5	134.2	189.7	141.1	118.0
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°	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6	6391.6
2.5°	6437.8	6426.3	6380.0	6317.5	6252.8	6190.3	6169.5	6125.5	6095.5	6079.3	6097.8
5°	6567.4	6530.4	6421.6	6282.8	6137.1	5979.8	5868.8	5767.0	5693.0	5623.6	5651.3
7.5°	6752.4	6687.7	6500.3	6257.4	5998.3	5736.9	5542.6	5394.6	5295.1	5230.3	5244.2
10°	6967.6	6868.1	6581.3	6218.1	5817.9	5443.1	5214.1	5086.9	5024.4	4989.7	4999.0
12.5°	7215.1	7074.0	6664.5	6127.9	5542.6	5114.6	4957.3	4920.3	4922.6	4925.0	4929.6
15°	7520.4	7323.8	6731.6	5931.2	5184.0	4862.5	4834.7	4894.9	4957.3	4987.4	4985.1
17.5°	7865.1	7587.5	6743.2	5607.4	4832.4	4700.6	4788.5	4918.0	5012.9	5054.5	5063.8
20°	8235.3	7855.9	6659.9	5149.3	4543.3	4568.7	4726.0	4892.6	4996.7	5049.9	5063.8
22.5°	8658.6	8142.7	6461.0	4668.2	4307.3	4425.3	4610.4	4772.3	4881.0	4934.2	4948.1
25°	9142.1	8464.3	6148.7	4263.4	4103.7	4263.4	4448.4	4582.6	4670.5	4719.1	4733.0
27.5°	9678.7	8799.7	5732.3	3941.8	3925.6	4096.8	4249.5	4353.6	4399.8	4436.9	4450.7
30°	10217.7	9105.0	5228.0	3698.9	3770.6	3932.6	4041.3	4087.6	4101.4	4108.4	4124.6
32.5°	10800.7	9368.8	4698.3	3497.7	3622.6	3772.9	3837.7	3858.5	3793.8	3749.8	3763.7
35°	11506.2	9651.0	4180.1	3338.1	3476.8	3606.4	3627.2	3608.7	3532.4	3442.1	3446.8
37.5°	12378.3	10002.6	3766.0	3224.7	3340.4	3426.0	3400.5	3395.9	3402.8	3296.4	3303.4
40°	13447.1	10460.6	3463.0	3136.8	3229.3	3247.8	3176.1	3215.4	3250.1	3088.2	3092.8
42.5°	14633.8	11013.5	3271.0	3076.7	3136.8	3092.8	2981.8	3025.8	3021.1	2808.3	2806.0
45°	15843.6	11614.9	3203.9	3032.7	3051.2	2963.3	2840.7	2852.3	2755.1	2563.1	2570.0
47.5°	17046.5	12260.3	3245.5	2995.7	2944.8	2845.3	2750.5	2699.6	2556.2	2412.7	2412.7
50°	18226.3	12938.1	3398.2	2921.7	2799.1	2741.2	2671.8	2581.6	2428.9	2306.3	2297.1
52.5°	19320.5	13620.5	3569.4	2799.1	2616.3	2651.0	2607.1	2503.0	2352.6	2227.7	2230.0
55°	20356.8	14303.0	3636.5	2630.2	2445.1	2572.4	2546.9	2354.9	2174.5	2072.7	2063.4
57.5°	21485.7	15124.2	3562.4	2415.1	2306.3	2482.1	2385.0	2172.2	2068.1	1991.7	1984.8
60°	23049.4	16412.7	3402.8	2149.0	2174.5	2348.0	2181.4	2093.5	1980.2	1894.6	1889.9
62.5°	25647.3	18816.2	3146.1	1885.3	2019.5	2149.0	2084.3	1996.4	1880.7	1797.4	1797.4
65°	29487.3	22156.5	2662.6	1679.4	1846.0	1954.7	1980.2	1892.3	1772.0	1684.1	1688.7
67.5°	32725.9	24252.3	2014.9	1508.3	1667.9	1797.4	1869.1	1783.5	1656.3	1570.7	1573.0
70°	32547.7	22730.2	1538.3	1339.4	1510.6	1642.4	1735.0	1667.9	1531.4	1450.4	1457.4
72.5°	28909.0	19015.1	1244.5	1168.2	1351.0	1480.5	1591.5	1540.6	1401.8	1323.2	1323.2
75°	21238.2	13497.9	994.7	994.7	1152.0	1311.6	1434.2	1401.8	1274.6	1219.1	1202.9
77.5°	8952.4	5662.9	779.6	825.8	957.7	1126.6	1279.2	1290.8	1179.8	1249.2	1133.5
80°	2380.4	1561.5	594.5	650.0	751.8	929.9	1112.7	1108.1	987.8	923.0	858.2
82.5°	906.8	615.3	423.3	458.0	543.6	712.5	881.4	909.1	788.8	682.4	682.4
85°	349.3	263.7	261.4	275.3	316.9	471.9	666.2	689.4	594.5	504.3	520.5
87.5°	90.2	78.7	97.2	92.5	145.7	252.1	381.7	395.6	363.2	210.5	300.7
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)