

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: P952702

Luminaire Tested: **GALN-SB6C-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952702
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-SB6C-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38514 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 300.9
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

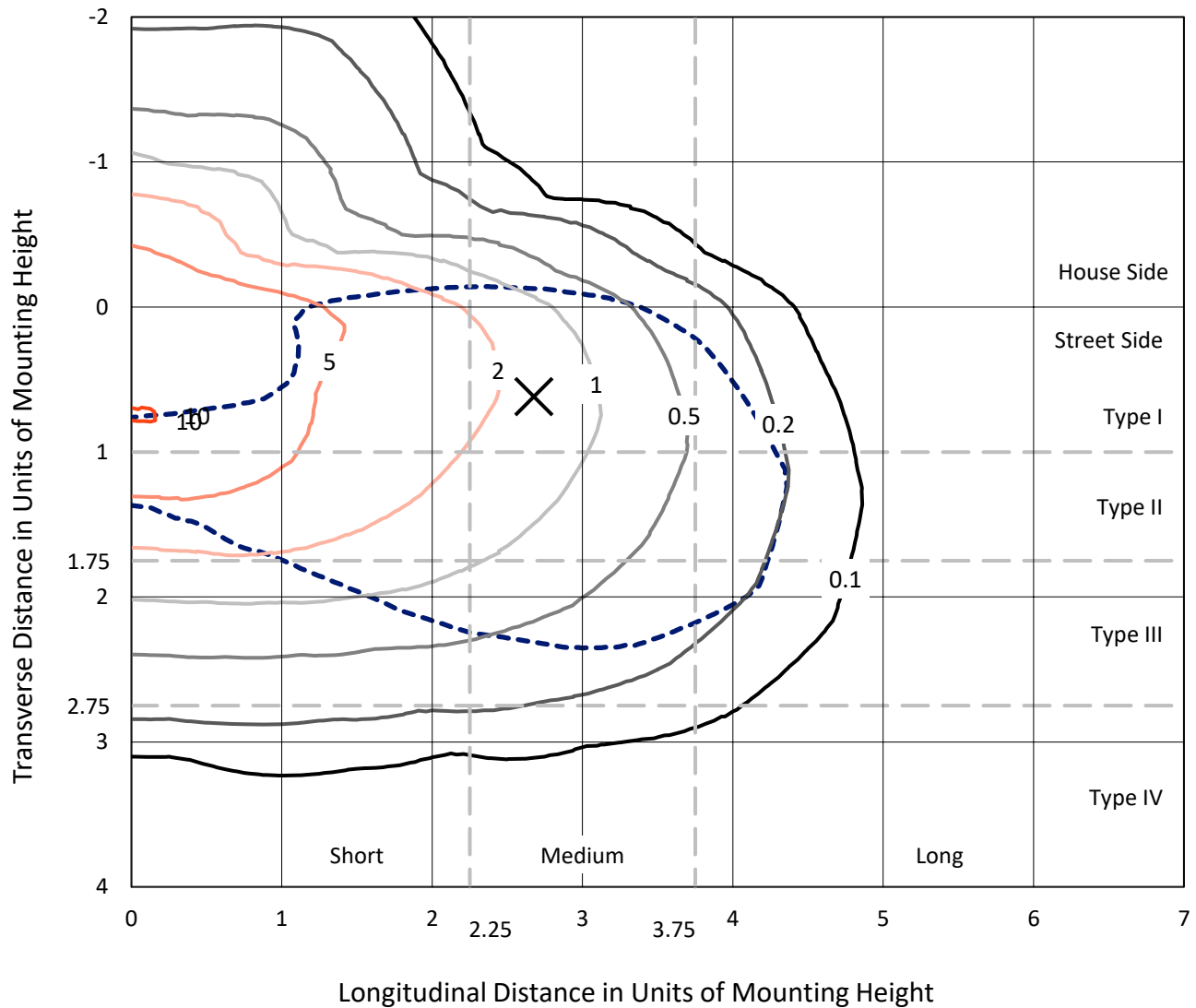


REPORT NUMBER: P952702

CATALOG NUMBER: GALN-SB6C-722-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

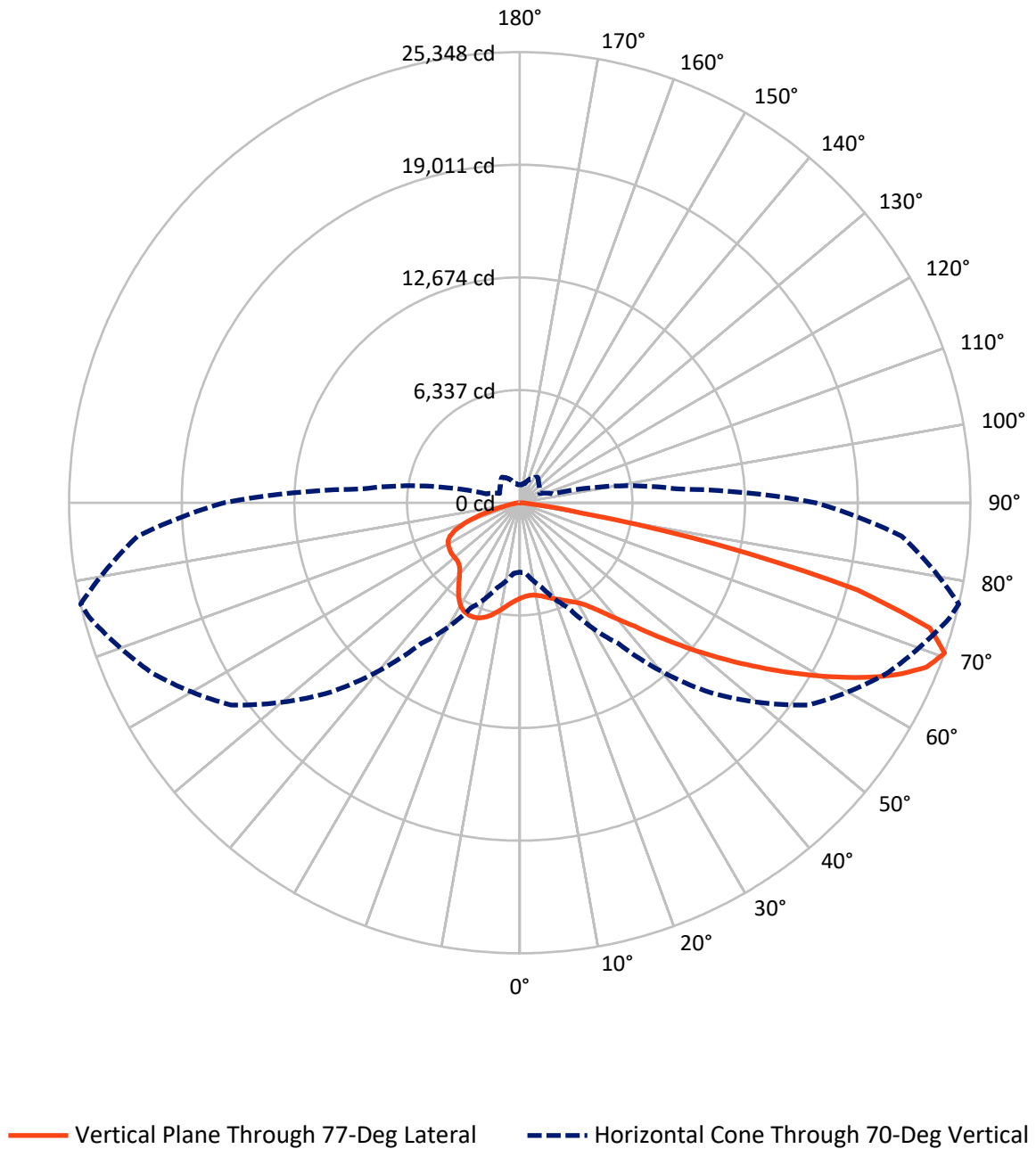


Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
Type III - Medium - N/A

REPORT NUMBER: P952702

CATALOG NUMBER: GALN-SB6C-722-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P952702

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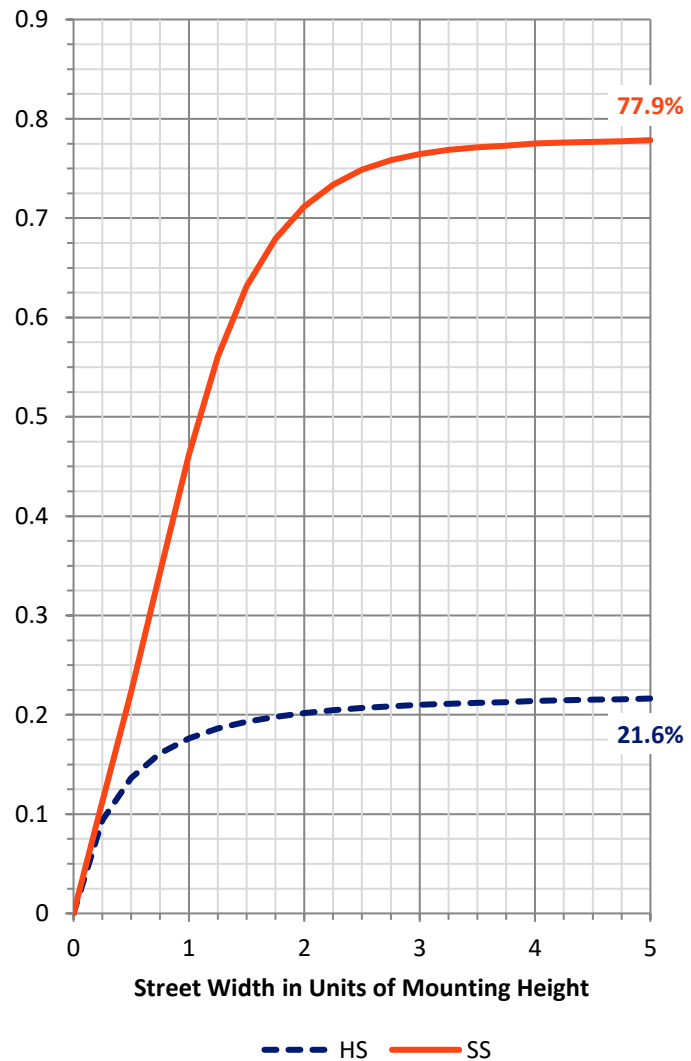
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8434.0	0.0	8434.0
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	30080.0	0.0	30080.0
	% Fixture	78.1	0.0	78.1
Total	Lumens	38514.0	0.0	38514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.4	1.3
10°-20°	1479.0	3.8
20°-30°	2529.2	6.6
30°-40°	4067.3	10.6
40°-50°	6350.1	16.5
50°-60°	8482.2	22.0
60°-70°	9040.7	23.5
70°-80°	5565.4	14.5
80°-90°	487.7	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°	38514.0	100.0
0°-180°	38514.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952702

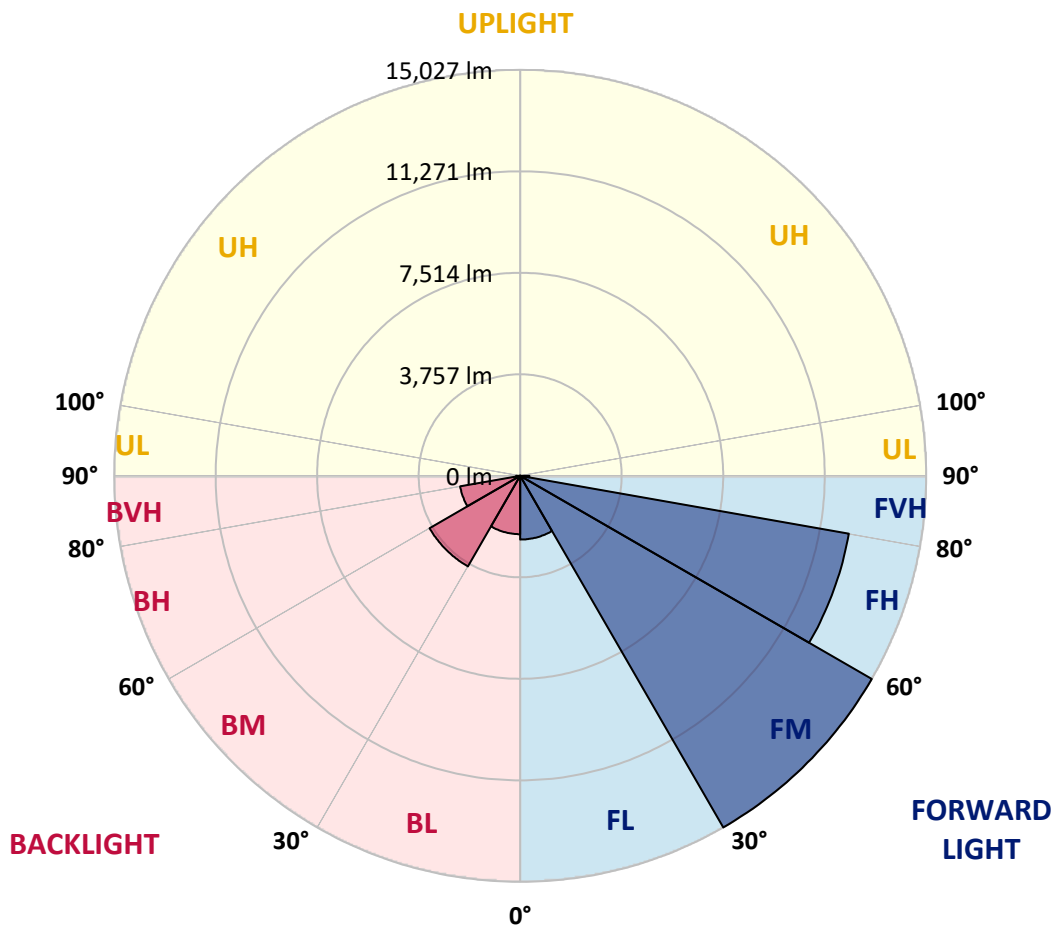
CATALOG NUMBER: GALN-SB6C-722-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2359.6	6.1			
FM	(30°-60°)	15027.3	39.0			
FH	(60°-80°)	12352.1	32.1			G5
FVH	(80°-90°)	341.0	0.9			G3/500
BL	(0°-30°)	2161.0	5.6	B3/2500		
BM	(30°-60°)	3872.2	10.1	B3/5000		
BH	(60°-80°)	2254.0	5.9	B3/2500		G3/2500
BVH	(80°-90°)	146.7	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: P952702

CATALOG NUMBER: GALN-SB6C-722-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1
2.5°	4952.9	4950.9	4976.6	4984.5	5031.8	5065.3	5128.5	5195.5	5282.3	5292.2	5345.4
5°	4666.9	4666.9	4696.5	4728.1	4789.2	4856.3	4952.9	5069.3	5219.2	5242.9	5375.0
7.5°	4424.3	4440.1	4465.7	4526.9	4597.9	4694.5	4842.5	5008.1	5205.4	5242.9	5455.9
10°	4229.0	4246.8	4278.3	4327.6	4434.2	4568.3	4761.6	4974.6	5238.9	5298.1	5574.2
12.5°	4167.9	4185.6	4203.4	4240.8	4339.5	4497.3	4728.1	4990.4	5319.8	5379.0	5736.0
15°	4309.9	4331.6	4317.8	4307.9	4359.2	4503.2	4743.8	5047.6	5420.4	5505.2	5935.2
17.5°	4637.3	4645.2	4613.6	4520.9	4513.1	4590.0	4818.8	5126.5	5546.6	5639.3	6136.4
20°	5165.9	5152.1	5087.0	4903.6	4799.1	4783.3	4947.0	5244.8	5676.8	5775.4	6353.4
22.5°	5883.9	5868.1	5738.0	5448.0	5215.3	5061.4	5132.4	5398.7	5822.8	5933.2	6564.4
25°	6779.4	6757.7	6566.4	6171.9	5810.9	5430.3	5384.9	5601.9	6002.3	6104.8	6785.4
27.5°	7824.9	7807.1	7600.0	7079.3	6558.5	5935.2	5698.5	5840.5	6189.7	6306.0	7033.9
30°	8949.2	9000.5	8633.6	8073.4	7414.6	6594.0	6120.6	6134.4	6432.3	6536.8	7335.7
32.5°	10270.7	10359.5	9917.7	9207.6	8308.1	7310.0	6653.2	6544.7	6785.4	6872.1	7716.4
35°	11580.5	11681.1	11314.2	10529.1	9493.6	8154.3	7209.4	7016.1	7254.8	7349.5	8221.3
37.5°	12712.7	12846.8	12657.4	11975.0	10761.9	9172.1	7935.3	7570.4	7832.7	7951.1	8899.9
40°	13606.2	13811.4	13797.5	13371.5	12257.0	10406.8	8856.5	8254.9	8550.7	8678.9	9722.4
42.5°	14332.1	14509.6	14663.5	14641.8	13817.3	11809.3	9939.4	9144.4	9369.3	9517.2	10647.5
45°	14833.1	15022.5	15353.8	15710.9	15318.3	13310.3	11180.1	10199.7	10404.9	10627.8	11750.1
47.5°	15280.9	15495.9	15925.9	16492.0	16592.6	14817.3	12539.1	11428.6	11616.0	11846.8	12856.7
50°	15320.3	15505.7	16172.4	16975.2	17497.9	16265.1	13998.7	12807.4	12982.9	13229.5	14042.1
52.5°	14367.6	14659.5	15823.3	16961.4	17914.1	17476.2	15448.5	14241.4	14438.6	14734.5	15269.0
55°	11152.4	11580.5	14799.6	16432.8	17766.2	18259.3	16827.3	15766.1	16018.6	16328.2	16503.8
57.5°	9606.0	9793.4	11748.1	15470.2	17091.6	18462.5	17991.1	17306.6	17712.9	18052.2	17809.6
60°	8633.6	8789.4	9945.3	13973.1	16204.0	18141.0	18890.5	18742.6	19444.8	19849.1	19145.0
62.5°	7592.1	7740.0	8791.4	11667.3	15067.8	17606.4	19458.6	20068.1	21220.0	21661.9	20403.4
65°	6558.5	6684.8	7692.7	9803.3	13624.0	17071.9	19752.5	21214.1	22863.1	23320.7	21448.8
67.5°	5406.6	5511.1	6463.8	8270.6	11868.5	16340.1	19898.4	22115.5	24293.1	24685.7	21965.6
70°	3901.6	3982.5	4966.7	6540.8	9665.2	15081.6	19839.3	22754.6	25034.8	25348.4	21575.1
72.5°	1844.3	1917.3	3073.1	4246.8	6826.8	12631.8	18642.0	22247.7	24281.3	24125.5	19184.4
75°	984.3	1047.4	1765.4	2329.5	3605.7	8659.2	15255.2	19164.7	20389.6	19632.2	14178.2
77.5°	666.7	716.0	1092.8	1398.5	1647.0	4110.7	9805.2	13268.9	12765.9	11515.4	7101.0
80°	528.6	579.9	895.5	946.8	796.9	1485.3	4051.5	6142.3	4412.5	3528.8	2019.8
82.5°	406.3	463.5	753.5	686.4	433.9	609.5	1179.5	1942.9	1130.2	860.0	489.2
85°	248.5	309.7	591.7	437.9	244.6	278.1	400.4	540.5	345.2	288.0	175.6
87.5°	126.2	177.5	299.8	159.8	110.5	65.1	106.5	106.5	90.7	78.9	45.4
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: P952702

CATALOG NUMBER: GALN-SB6C-722-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1	5373.1
2.5°	5392.8	5432.2	5499.3	5562.4	5611.7	5659.1	5706.4	5732.0	5739.9	5771.5	5789.2
5°	5455.9	5528.9	5659.1	5781.4	5858.3	5905.6	5939.2	5958.9	5962.8	5972.7	5988.5
7.5°	5572.3	5688.7	5870.1	5992.4	6049.6	6045.7	6031.9	5982.6	5962.8	5945.1	5949.0
10°	5736.0	5889.8	6112.7	6197.6	6162.0	6067.4	5945.1	5801.1	5734.0	5668.9	5649.2
12.5°	5939.2	6134.4	6353.4	6349.4	6173.9	5931.3	5647.2	5426.3	5286.3	5185.7	5162.0
15°	6185.7	6410.6	6578.2	6444.1	6059.5	5623.6	5207.4	4919.4	4793.1	4682.7	4670.8
17.5°	6440.2	6680.8	6757.7	6414.5	5771.5	5167.9	4696.5	4469.7	4345.4	4286.2	4304.0
20°	6688.7	6927.4	6864.3	6244.9	5333.6	4651.1	4231.0	4106.7	4081.1	4094.9	4089.0
22.5°	6951.0	7164.1	6886.0	5917.5	4775.4	4122.5	3891.7	3895.7	3952.9	3994.3	4004.1
25°	7219.3	7363.3	6828.7	5444.1	4175.8	3733.9	3676.7	3739.8	3852.3	3933.1	3954.8
27.5°	7477.7	7540.8	6704.5	4858.2	3660.9	3455.8	3465.7	3595.8	3765.5	3877.9	3905.5
30°	7769.6	7698.6	6465.8	4199.4	3303.9	3217.1	3300.0	3451.9	3621.5	3722.1	3745.8
32.5°	8099.0	7834.7	6087.1	3589.9	3051.4	3025.8	3161.9	3260.5	3335.5	3365.1	3380.8
35°	8509.3	8026.0	5601.9	3161.9	2824.6	2885.7	3015.9	2966.6	2937.0	2921.3	2937.0
37.5°	9041.9	8284.4	5033.8	2883.8	2641.2	2785.2	2838.4	2684.6	2568.2	2511.0	2524.8
40°	9682.9	8663.2	4487.4	2668.8	2524.8	2698.4	2605.7	2420.2	2272.3	2191.4	2197.4
42.5°	10395.0	9059.6	4027.8	2507.0	2459.7	2627.4	2434.0	2213.1	1974.5	1948.8	1974.5
45°	11142.6	9467.9	3714.2	2382.8	2428.1	2566.2	2335.4	1978.4	1808.8	1913.3	1968.5
47.5°	11890.2	9842.7	3524.8	2290.1	2412.4	2497.2	2248.6	1848.2	1727.9	1879.8	1950.8
50°	12722.5	10178.0	3440.0	2223.0	2394.6	2469.6	2118.5	1814.7	1643.1	1743.7	1818.6
52.5°	13549.0	10438.4	3376.9	2155.9	2369.0	2447.9	2055.3	1775.2	1540.5	1546.4	1587.9
55°	14373.5	10608.0	3307.9	2067.2	2311.8	2400.5	2049.4	1731.8	1463.6	1436.0	1455.7
57.5°	15253.2	10704.7	3223.0	1968.5	2213.1	2280.2	2043.5	1698.3	1439.9	1394.5	1400.5
60°	16148.8	10846.7	3112.6	1848.2	2081.0	2136.2	2029.7	1686.5	1426.1	1349.2	1355.1
62.5°	16951.6	10896.0	2980.4	1733.8	1911.3	1994.2	2000.1	1676.6	1388.6	1256.5	1256.5
65°	17478.2	10683.0	2749.6	1603.6	1727.9	1848.2	1942.9	1643.1	1321.6	1189.4	1189.4
67.5°	17456.5	10075.5	2388.7	1436.0	1550.4	1686.5	1860.1	1585.9	1240.7	1106.6	1112.5
70°	16643.8	8876.2	1931.1	1240.7	1355.1	1512.9	1753.5	1501.1	1144.0	1015.8	1027.7
72.5°	14274.9	6947.1	1402.4	1011.9	1128.3	1333.4	1615.5	1398.5	1045.4	935.0	929.0
75°	10197.8	4396.7	950.7	777.2	877.8	1130.2	1443.9	1278.2	954.7	938.9	885.6
77.5°	5209.3	2100.7	629.2	568.1	611.5	891.6	1213.1	1142.1	968.5	775.2	690.4
80°	1694.4	775.2	396.5	386.6	406.3	593.7	938.9	936.9	733.8	526.7	465.5
82.5°	540.5	333.4	258.4	248.5	238.7	372.8	654.9	741.7	495.1	333.4	331.4
85°	215.0	199.2	151.9	140.0	100.6	175.6	343.2	493.1	368.9	240.6	246.6
87.5°	78.9	78.9	41.4	29.6	21.7	59.2	92.7	147.9	211.1	124.3	122.3
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)