

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: P952009

Luminaire Tested: **GALN-SB6A-727-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952009
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-SB6A-727-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25902 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 170.9
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

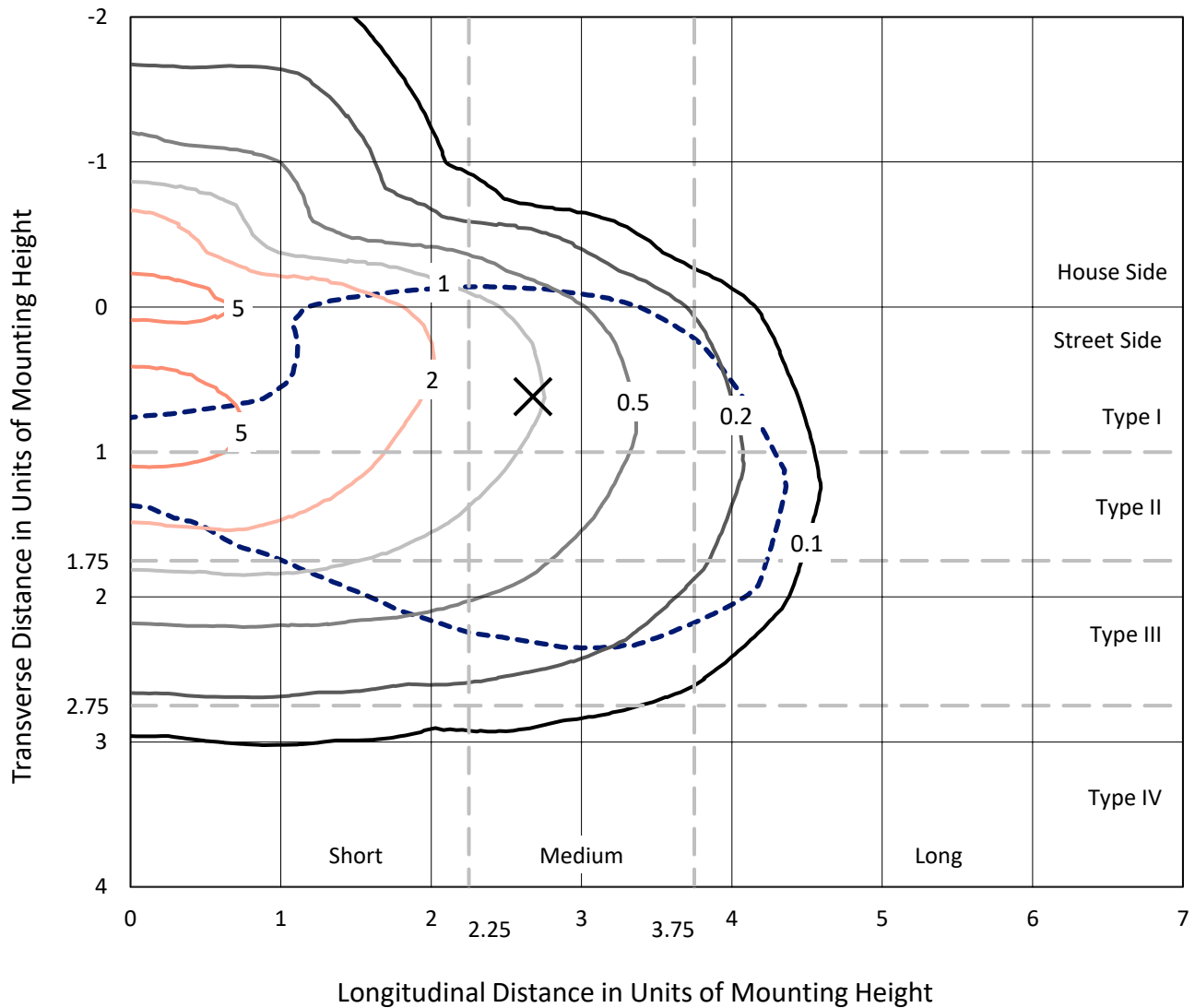


REPORT NUMBER: P952009

CATALOG NUMBER: GALN-SB6A-727-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

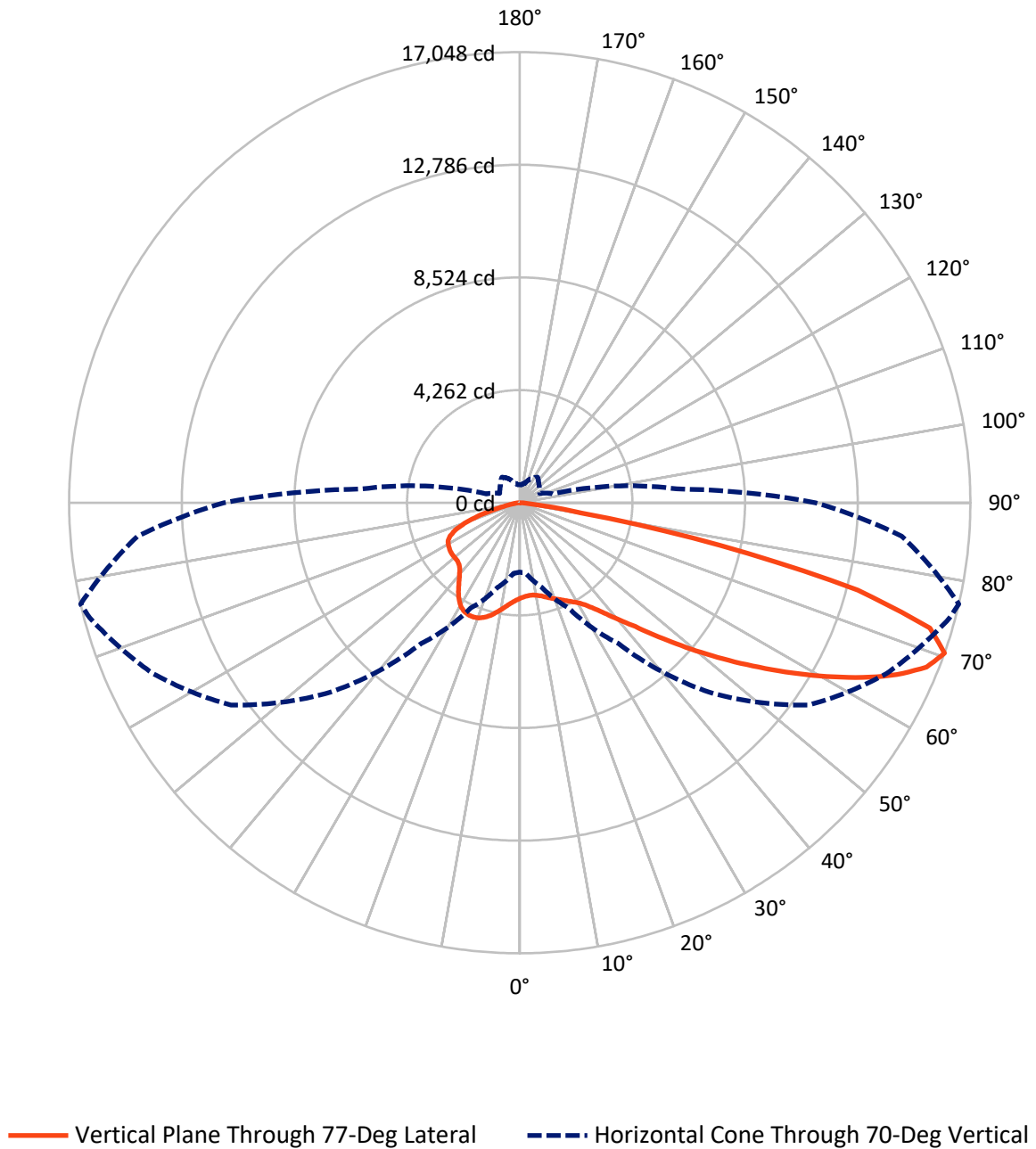


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type III - Medium - N/A

REPORT NUMBER: P952009

CATALOG NUMBER: GALN-SB6A-727-U-T3R

Luminous Intensity Polar Plot



REPORT NUMBER: P952009

CATALOG NUMBER: GALN-SB6A-727-U-T3R

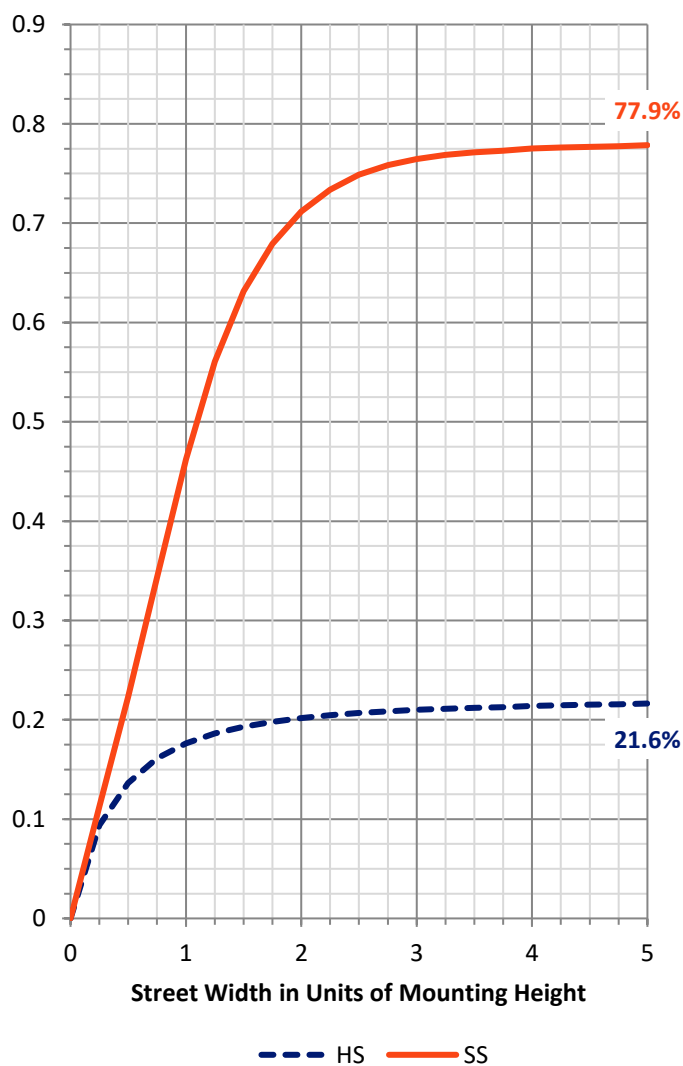
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5672.1	0.0	5672.1
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	20229.9	0.0	20229.9
	% Fixture	78.1	0.0	78.1
Total	Lumens	25902.0	0.0	25902.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.6	1.3
10°-20°	994.7	3.8
20°-30°	1701.0	6.6
30°-40°	2735.4	10.6
40°-50°	4270.7	16.5
50°-60°	5704.6	22.0
60°-70°	6080.2	23.5
70°-80°	3742.9	14.5
80°-90°	328.0	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°	25902.0	100.0
0°-180°	25902.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952009

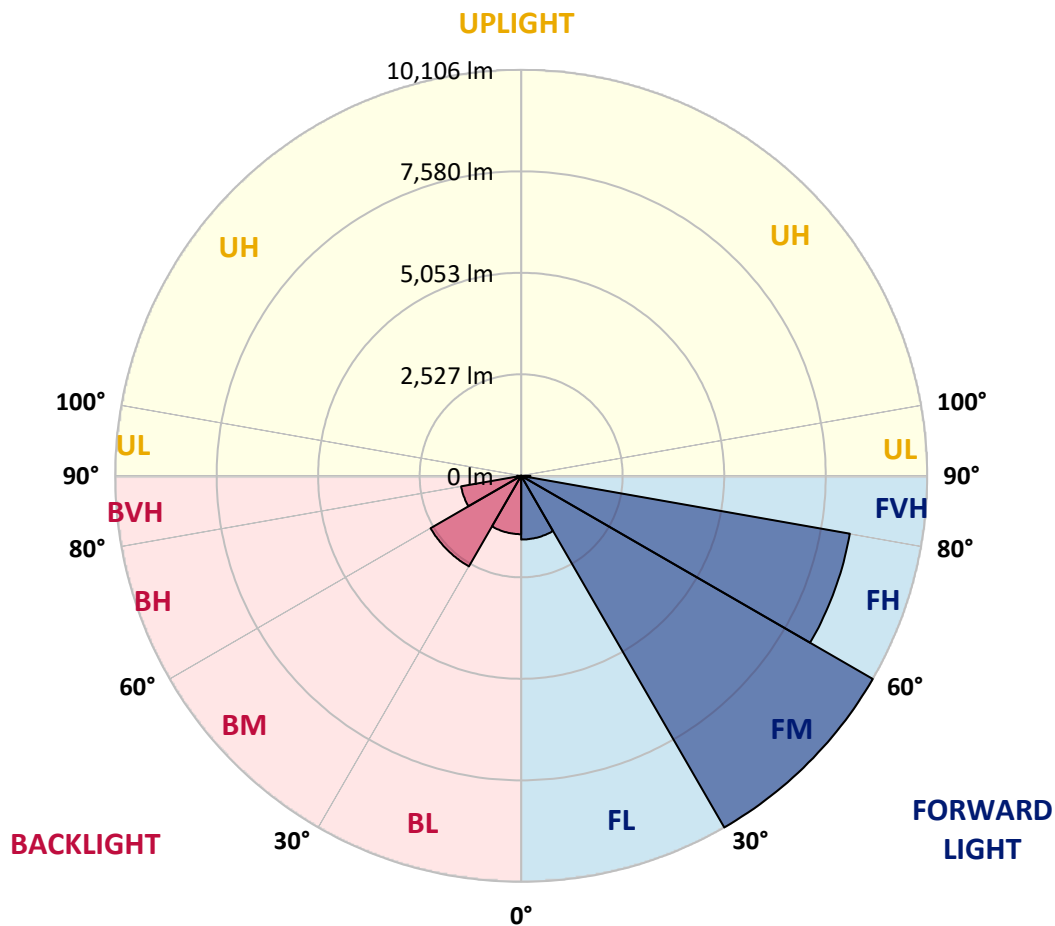
CATALOG NUMBER: GALN-SB6A-727-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1586.9	6.1			
FM	(30°-60°)	10106.4	39.0			
FH	(60°-80°)	8307.2	32.1			G4/12000
FVH	(80°-90°)	229.3	0.9			G3/500
BL	(0°-30°)	1453.4	5.6	B3/2500		
BM	(30°-60°)	2604.2	10.1	B3/5000		
BH	(60°-80°)	1515.9	5.9	B3/2500		G3/2500
BVH	(80°-90°)	98.6	0.4			G1/100
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: P952009

CATALOG NUMBER: GALN-SB6A-727-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6
2.5°	3331.0	3329.7	3346.9	3352.2	3384.1	3406.6	3449.1	3494.2	3552.5	3559.2	3595.0
5°	3138.7	3138.7	3158.6	3179.8	3220.9	3266.0	3331.0	3409.3	3510.1	3526.0	3614.9
7.5°	2975.5	2986.1	3003.3	3044.5	3092.2	3157.2	3256.7	3368.2	3500.8	3526.0	3669.3
10°	2844.2	2856.1	2877.3	2910.5	2982.1	3072.3	3202.3	3345.6	3523.4	3563.2	3748.9
12.5°	2803.0	2815.0	2826.9	2852.1	2918.4	3024.6	3179.8	3356.2	3577.7	3617.5	3857.7
15°	2898.5	2913.1	2903.9	2897.2	2931.7	3028.5	3190.4	3394.7	3645.4	3702.4	3991.6
17.5°	3118.8	3124.1	3102.8	3040.5	3035.2	3086.9	3240.8	3447.7	3730.3	3792.7	4126.9
20°	3474.3	3465.0	3421.2	3297.8	3227.5	3216.9	3327.0	3527.3	3817.9	3884.2	4272.9
22.5°	3957.1	3946.5	3859.0	3664.0	3507.4	3404.0	3451.7	3630.8	3916.0	3990.3	4414.8
25°	4559.4	4544.8	4416.1	4150.8	3908.1	3652.0	3621.5	3767.4	4036.7	4105.7	4563.4
27.5°	5262.5	5250.5	5111.3	4761.0	4410.8	3991.6	3832.4	3928.0	4162.8	4241.0	4730.5
30°	6018.6	6053.1	5806.4	5429.6	4986.6	4434.7	4116.3	4125.6	4325.9	4396.2	4933.5
32.5°	6907.4	6967.1	6670.0	6192.4	5587.5	4916.3	4474.5	4401.5	4563.4	4621.8	5189.5
35°	7788.3	7855.9	7609.2	7081.2	6384.8	5484.0	4848.6	4718.6	4879.1	4942.8	5529.1
37.5°	8549.7	8639.9	8512.6	8053.6	7237.7	6168.5	5336.8	5091.4	5267.8	5347.4	5985.5
40°	9150.7	9288.6	9279.3	8992.8	8243.3	6999.0	5956.3	5551.7	5750.7	5836.9	6538.6
42.5°	9638.8	9758.2	9861.7	9847.1	9292.6	7942.1	6684.6	6150.0	6301.2	6400.7	7160.8
45°	9975.8	10103.1	10326.0	10566.1	10302.1	8951.7	7519.0	6859.7	6997.6	7147.5	7902.4
47.5°	10276.9	10421.5	10710.7	11091.4	11159.1	9965.2	8433.0	7686.1	7812.1	7967.4	8646.6
50°	10303.4	10428.1	10876.5	11416.4	11768.0	10938.9	9414.6	8613.4	8731.5	8897.3	9443.8
52.5°	9662.7	9859.0	10641.7	11407.1	12047.9	11753.4	10389.7	9577.8	9710.5	9909.4	10268.9
55°	7500.4	7788.3	9953.2	11051.6	11948.4	12280.0	11316.9	10603.2	10773.0	10981.3	11099.4
57.5°	6460.4	6586.4	7901.0	10404.3	11494.7	12416.7	12099.6	11639.3	11912.6	12140.7	11977.6
60°	5806.4	5911.2	6688.5	9397.4	10897.7	12200.4	12704.5	12605.0	13077.3	13349.2	12875.6
62.5°	5106.0	5205.4	5912.5	7846.6	10133.6	11840.9	13086.6	13496.5	14271.2	14568.3	13722.0
65°	4410.8	4495.7	5173.6	6593.0	9162.6	11481.4	13284.2	14267.2	15376.2	15684.0	14425.1
67.5°	3636.1	3706.4	4347.2	5562.3	7981.9	10989.3	13382.4	14873.5	16338.0	16602.0	14772.6
70°	2623.9	2678.3	3340.3	4398.9	6500.2	10142.9	13342.6	15303.3	16836.8	17047.7	14510.0
72.5°	1240.3	1289.4	2066.8	2856.1	4591.2	8495.3	12537.4	14962.3	16330.0	16225.2	12902.2
75°	662.0	704.4	1187.3	1566.7	2425.0	5823.6	10259.7	12888.9	13712.7	13203.3	9535.4
77.5°	448.4	481.5	734.9	940.5	1107.7	2764.6	6594.4	8923.8	8585.5	7744.5	4775.6
80°	355.5	390.0	602.3	636.8	535.9	998.9	2724.8	4130.9	2967.5	2373.2	1358.4
82.5°	273.3	311.7	506.7	461.6	291.8	409.9	793.3	1306.7	760.1	578.4	329.0
85°	167.1	208.3	398.0	294.5	164.5	187.0	269.3	363.5	232.1	193.7	118.1
87.5°	84.9	119.4	201.6	107.5	74.3	43.8	71.6	71.6	61.0	53.1	30.5
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: P952009

CATALOG NUMBER: GALN-SB6A-727-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6	3613.6
2.5°	3626.8	3653.4	3698.5	3740.9	3774.1	3805.9	3837.8	3855.0	3860.3	3881.5	3893.5
5°	3669.3	3718.4	3805.9	3888.2	3939.9	3971.7	3994.3	4007.6	4010.2	4016.8	4027.5
7.5°	3747.5	3825.8	3947.9	4030.1	4068.6	4065.9	4056.6	4023.5	4010.2	3998.3	4000.9
10°	3857.7	3961.1	4111.0	4168.1	4144.2	4080.5	3998.3	3901.4	3856.3	3812.6	3799.3
12.5°	3994.3	4125.6	4272.9	4270.2	4152.2	3989.0	3798.0	3649.4	3555.2	3487.5	3471.6
15°	4160.1	4311.3	4424.1	4333.9	4075.2	3782.0	3502.1	3308.5	3223.6	3149.3	3141.3
17.5°	4331.2	4493.1	4544.8	4314.0	3881.5	3475.6	3158.6	3006.0	2922.4	2882.6	2894.6
20°	4498.4	4658.9	4616.4	4199.9	3587.0	3128.0	2845.5	2761.9	2744.7	2754.0	2750.0
22.5°	4674.8	4818.1	4631.0	3979.7	3211.6	2772.5	2617.3	2620.0	2658.4	2686.3	2692.9
25°	4855.2	4952.1	4592.6	3661.3	2808.3	2511.2	2472.7	2515.2	2590.8	2645.2	2659.8
27.5°	5029.0	5071.5	4509.0	3267.3	2462.1	2324.1	2330.8	2418.3	2532.4	2608.0	2626.6
30°	5225.3	5177.6	4348.5	2824.3	2222.0	2163.6	2219.3	2321.5	2435.6	2503.2	2519.1
32.5°	5446.9	5269.1	4093.8	2414.3	2052.2	2035.0	2126.5	2192.8	2243.2	2263.1	2273.7
35°	5722.8	5397.8	3767.4	2126.5	1899.6	1940.8	2028.3	1995.2	1975.3	1964.6	1975.3
37.5°	6081.0	5571.6	3385.4	1939.4	1776.3	1873.1	1908.9	1805.5	1727.2	1688.7	1698.0
40°	6512.1	5826.3	3017.9	1794.8	1698.0	1814.7	1752.4	1627.7	1528.2	1473.8	1477.8
42.5°	6991.0	6092.9	2708.8	1686.1	1654.2	1767.0	1637.0	1488.4	1327.9	1310.6	1327.9
45°	7493.8	6367.5	2497.9	1602.5	1633.0	1725.9	1570.7	1330.5	1216.5	1286.8	1323.9
47.5°	7996.5	6619.6	2370.6	1540.1	1622.4	1679.4	1512.3	1243.0	1162.1	1264.2	1312.0
50°	8556.3	6845.1	2313.5	1495.0	1610.5	1660.9	1424.7	1220.4	1105.0	1172.7	1223.1
52.5°	9112.2	7020.2	2271.1	1449.9	1593.2	1646.3	1382.3	1193.9	1036.0	1040.0	1067.9
55°	9666.7	7134.3	2224.7	1390.2	1554.7	1614.4	1378.3	1164.7	984.3	965.7	979.0
57.5°	10258.3	7199.3	2167.6	1323.9	1488.4	1533.5	1374.3	1142.2	968.4	937.9	941.9
60°	10860.6	7294.8	2093.3	1243.0	1399.5	1436.7	1365.0	1134.2	959.1	907.4	911.4
62.5°	11400.5	7327.9	2004.4	1166.1	1285.4	1341.2	1345.1	1127.6	933.9	845.0	845.0
65°	11754.7	7184.7	1849.2	1078.5	1162.1	1243.0	1306.7	1105.0	888.8	799.9	799.9
67.5°	11740.1	6776.1	1606.5	965.7	1042.7	1134.2	1251.0	1066.6	834.4	744.2	748.2
70°	11193.6	5969.5	1298.7	834.4	911.4	1017.5	1179.3	1009.5	769.4	683.2	691.1
72.5°	9600.4	4672.2	943.2	680.5	758.8	896.8	1086.5	940.5	703.1	628.8	624.8
75°	6858.3	2956.9	639.4	522.7	590.3	760.1	971.0	859.6	642.1	631.4	595.6
77.5°	3503.5	1412.8	423.2	382.1	411.2	599.6	815.8	768.1	651.3	521.3	464.3
80°	1139.5	521.3	266.6	260.0	273.3	399.3	631.4	630.1	493.5	354.2	313.1
82.5°	363.5	224.2	173.8	167.1	160.5	250.7	440.4	498.8	333.0	224.2	222.9
85°	144.6	134.0	102.1	94.2	67.7	118.1	230.8	331.6	248.1	161.8	165.8
87.5°	53.1	53.1	27.9	19.9	14.6	39.8	62.3	99.5	141.9	83.6	82.2
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)