

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: P942799

Luminaire Tested: **GALN-SB7A-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26047 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 199.1
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



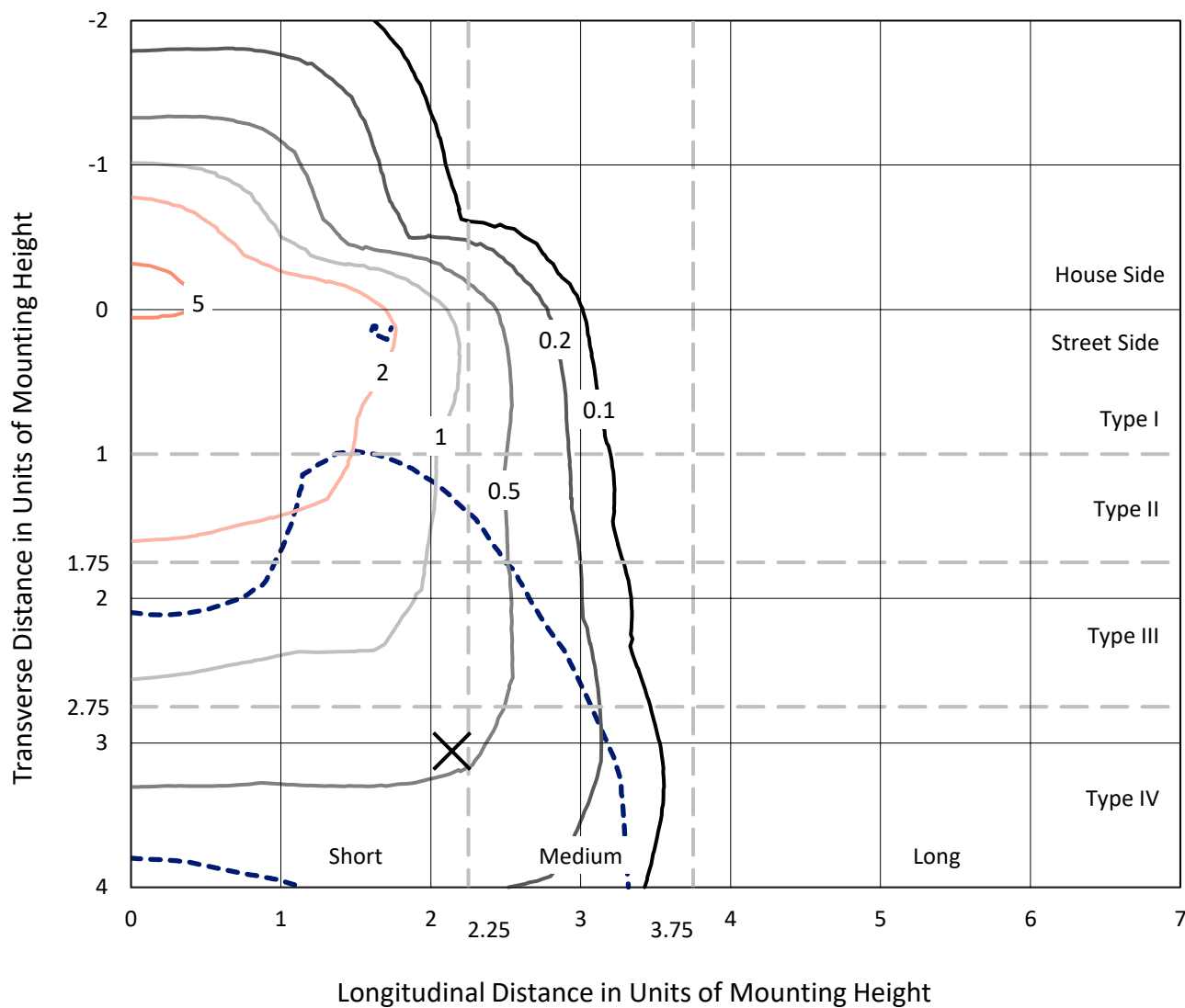
REPORT NUMBER: P942799

CATALOG NUMBER: GALN-SB7A-722-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



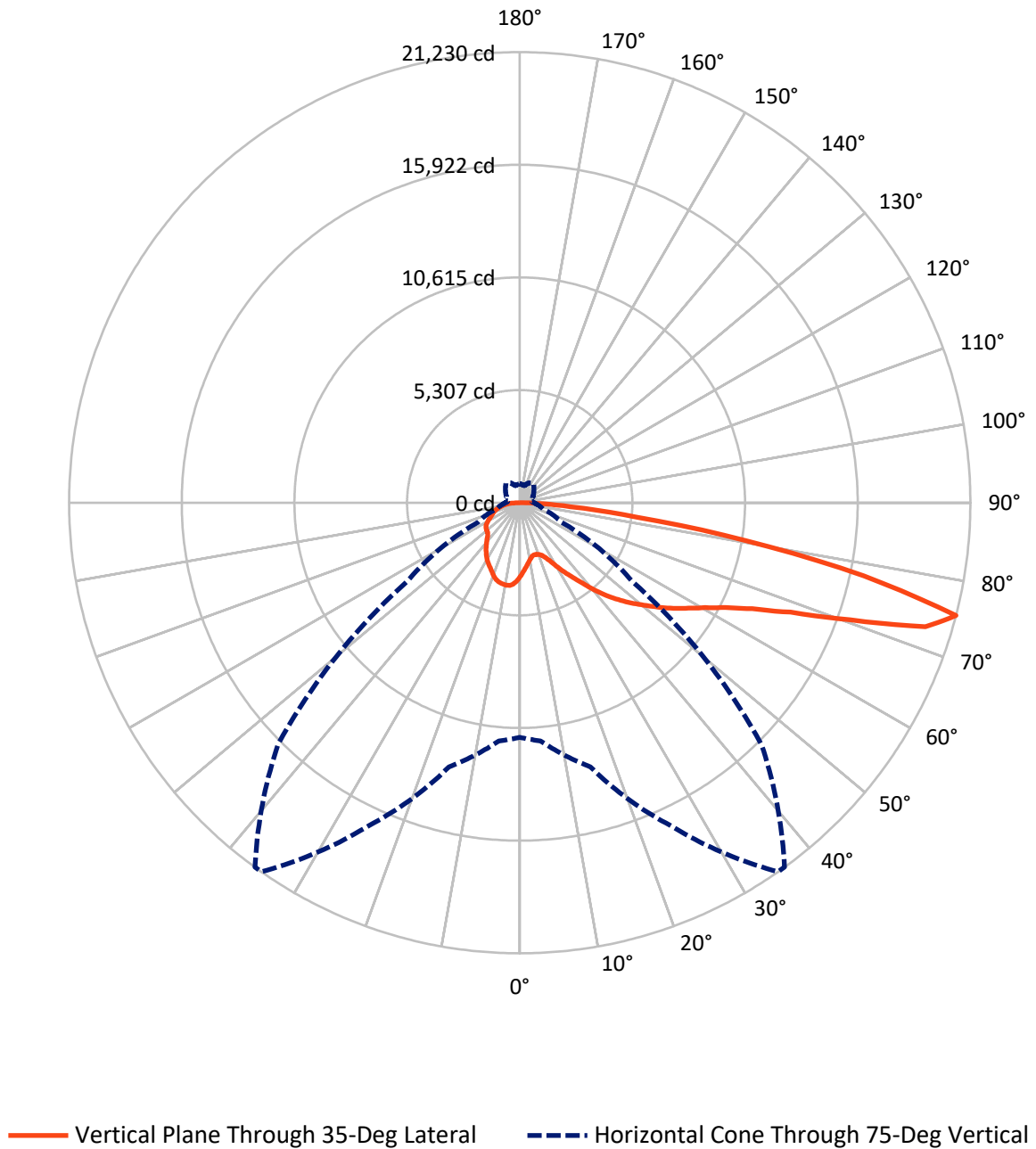
Based on 25 foot mounting height. Maximum calculated value = 6.1 fc

Type IV - Short - N/A

REPORT NUMBER: P942799

CATALOG NUMBER: GALN-SB7A-722-U-T4FT

Luminous Intensity Polar Plot



REPORT NUMBER: P942799

CATALOG NUMBER: GALN-SB7A-722-U-T4FT

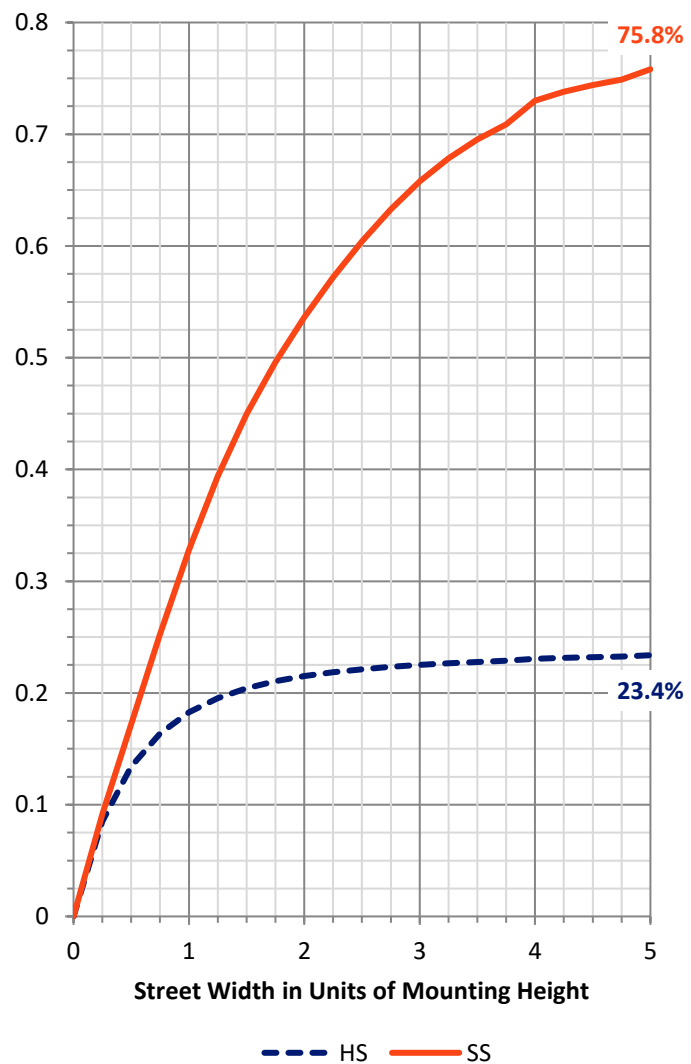
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6198.5	0.0	6198.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	19848.5	0.0	19848.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	26047.0	0.0	26047.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	1.3
10°-20°	947.9	3.6
20°-30°	1591.8	6.1
30°-40°	2473.9	9.5
40°-50°	3671.9	14.1
50°-60°	5069.2	19.5
60°-70°	6150.1	23.6
70°-80°	5082.6	19.5
80°-90°	731.0	2.8
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°	26047.0	100.0
0°-180°	26047.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942799

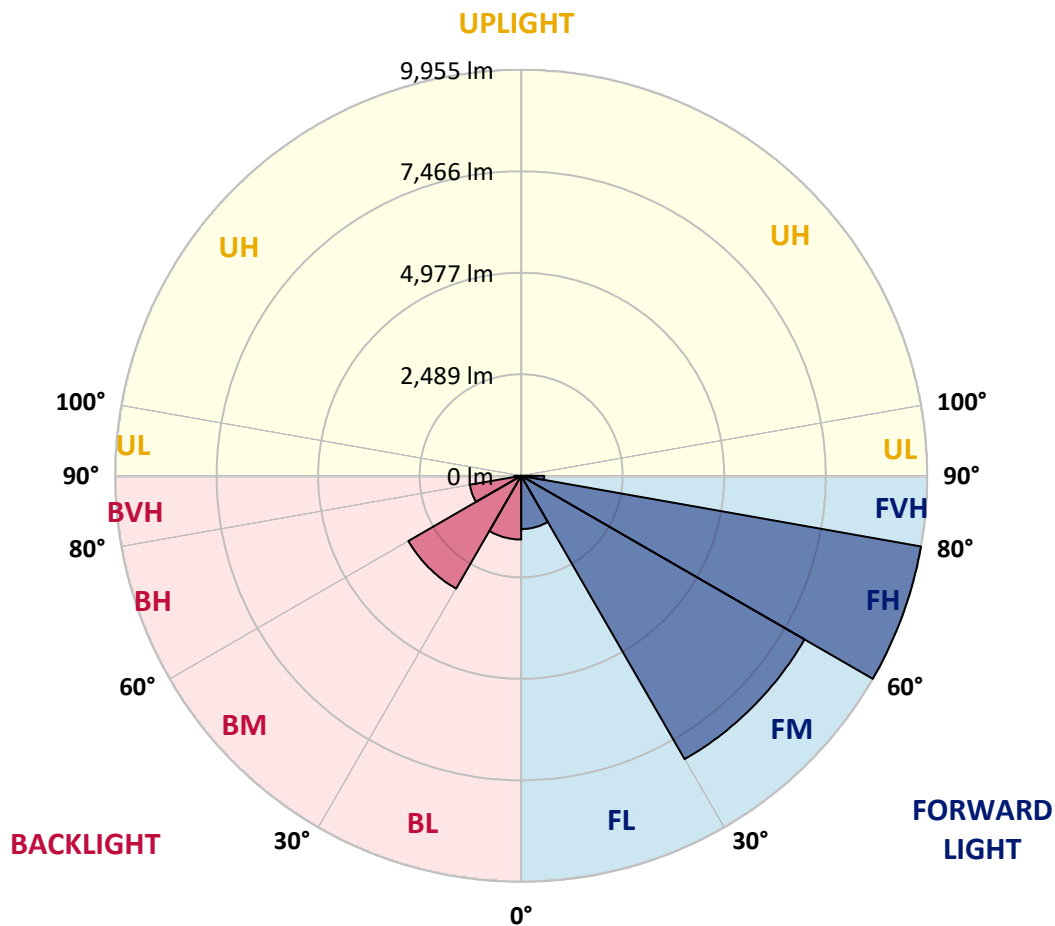
CATALOG NUMBER: GALN-SB7A-722-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1306.2	5.0			
FM	(30°-60°)	8021.1	30.8			
FH	(60°-80°)	9954.8	38.2			G4/12000
FVH	(80°-90°)	566.4	2.2			G4/750
BL	(0°-30°)	1562.1	6.0	B3/2500		
BM	(30°-60°)	3193.9	12.3	B3/5000		
BH	(60°-80°)	1277.9	4.9	B3/2500		G3/2500
BVH	(80°-90°)	164.6	0.6			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 IV Short



REPORT NUMBER: P942799

CATALOG NUMBER: GALN-SB7A-722-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9
2.5°	3200.6	3220.3	3228.7	3224.5	3245.6	3242.8	3272.4	3309.0	3359.7	3409.0	3480.8
5°	2954.2	2975.3	2993.6	3010.5	3051.3	3064.0	3110.5	3180.9	3273.8	3368.1	3486.4
7.5°	2724.7	2743.0	2771.1	2802.1	2871.1	2883.8	2961.2	3071.0	3200.6	3338.6	3501.9
10°	2537.4	2555.7	2585.3	2620.5	2706.3	2721.8	2820.4	2966.8	3135.8	3310.4	3518.8
12.5°	2457.1	2462.7	2479.6	2514.8	2589.5	2599.3	2707.8	2875.3	3072.4	3289.3	3544.2
15°	2452.9	2464.2	2465.6	2483.9	2545.8	2550.0	2650.0	2816.2	3033.0	3285.1	3582.2
17.5°	2495.1	2503.6	2490.9	2502.2	2554.3	2561.3	2640.2	2788.0	3020.4	3303.4	3647.0
20°	2607.8	2614.8	2576.8	2561.3	2599.3	2605.0	2682.4	2806.3	3033.0	3341.4	3735.7
22.5°	2847.2	2851.4	2758.4	2695.1	2697.9	2700.7	2768.3	2880.9	3082.3	3410.4	3848.3
25°	3220.3	3217.5	3069.6	2947.1	2876.7	2861.2	2906.3	3002.0	3165.4	3501.9	3993.3
27.5°	3656.8	3635.7	3487.8	3304.8	3151.3	3128.8	3118.9	3159.8	3283.7	3623.0	4170.8
30°	4149.6	4129.9	3970.8	3731.4	3518.8	3482.2	3389.3	3368.1	3459.7	3787.8	4417.2
32.5°	4690.3	4677.7	4487.6	4197.5	3913.1	3870.8	3714.5	3658.2	3730.0	4037.0	4760.7
35°	5143.7	5132.5	4974.8	4676.3	4328.5	4276.4	4117.3	4053.9	4090.5	4356.6	5209.9
37.5°	5553.5	5547.9	5412.7	5177.5	4818.5	4755.1	4576.3	4555.2	4548.1	4777.6	5754.9
40°	5933.7	5919.6	5778.8	5654.9	5388.8	5331.0	5173.3	5155.0	5101.5	5295.8	6371.6
42.5°	6354.7	6318.1	6113.9	6056.2	5984.4	5936.5	5842.2	5845.0	5726.7	5880.2	7025.0
45°	6698.3	6677.2	6467.4	6433.6	6511.0	6491.3	6573.0	6594.1	6364.6	6492.7	7703.7
47.5°	7067.2	7047.5	6870.1	6846.1	7055.9	7061.6	7350.2	7357.3	6986.9	7129.2	8383.8
50°	7522.0	7493.8	7317.8	7347.4	7582.6	7603.7	8131.7	8083.8	7560.0	7775.5	9058.2
52.5°	7821.9	7838.8	7800.8	7848.7	8169.7	8189.4	8900.5	8778.0	8127.5	8413.3	9720.0
55°	8043.0	8076.8	8195.1	8304.9	8789.3	8809.0	9625.7	9438.4	8597.8	9004.7	10342.4
57.5°	8327.4	8279.6	8500.6	8714.7	9377.9	9430.0	10331.1	10074.9	9014.6	9514.5	10769.1
60°	8735.8	8702.0	8873.8	9190.6	10036.9	10119.9	11077.4	10648.0	9320.1	9918.6	10852.1
62.5°	9563.7	9479.3	9506.0	9786.2	10867.6	10977.5	11919.5	11147.8	9472.2	10076.3	10407.2
65°	10801.4	10656.4	10521.2	10715.6	12037.8	12146.2	12869.9	11540.7	9415.9	9770.7	9225.8
67.5°	12360.2	12216.6	12050.4	12233.5	13761.3	13847.1	14042.9	11761.8	8972.3	8593.6	7137.6
70°	13645.8	13592.3	13790.8	14544.1	16514.1	16516.9	15546.7	11578.7	7757.2	6092.8	4129.9
72.5°	13475.4	13443.0	14489.2	16818.2	19983.6	19909.0	16970.3	10193.2	5225.4	2748.6	1547.5
75°	11054.9	11264.7	12885.4	16777.4	21229.8	21219.9	16098.7	6480.0	2161.4	1139.1	799.8
77.5°	5928.1	6260.4	8365.5	12387.0	16573.2	16822.4	11318.2	2267.0	927.9	729.4	553.4
80°	1933.3	2223.4	3334.4	6306.8	10769.1	10722.6	4850.9	889.9	635.0	516.8	383.0
82.5°	820.9	854.7	1489.8	2978.1	5526.7	5440.9	1544.7	511.1	446.4	353.4	236.6
85°	321.0	359.1	657.6	1377.1	2393.8	2341.7	557.6	253.5	285.8	230.9	140.8
87.5°	105.6	128.1	235.2	471.7	744.9	718.1	136.6	87.3	123.9	105.6	50.7
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: P942799

CATALOG NUMBER: GALN-SB7A-722-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9	3470.9
2.5°	3500.5	3523.0	3549.8	3589.2	3623.0	3651.2	3680.7	3699.0	3706.1	3727.2	3725.8
5°	3525.9	3575.1	3641.3	3706.1	3769.5	3807.5	3841.3	3858.2	3873.7	3884.9	3887.7
7.5°	3568.1	3631.5	3735.7	3820.1	3873.7	3904.6	3927.2	3921.5	3927.2	3930.0	3934.2
10°	3604.7	3693.4	3817.3	3897.6	3938.4	3939.8	3934.2	3914.5	3904.6	3906.0	3908.9
12.5°	3648.4	3746.9	3880.7	3948.3	3959.5	3928.6	3904.6	3870.8	3858.2	3852.5	3849.7
15°	3707.5	3820.1	3949.7	3975.0	3946.9	3907.4	3866.6	3811.7	3783.5	3761.0	3768.0
17.5°	3779.3	3903.2	4003.2	3984.9	3924.3	3859.6	3793.4	3710.3	3652.6	3628.6	3630.1
20°	3879.3	3990.5	4044.0	3963.8	3872.2	3773.7	3661.0	3559.6	3506.1	3482.2	3479.4
22.5°	4000.4	4107.4	4083.5	3927.2	3797.6	3639.9	3499.1	3424.5	3397.7	3380.8	3383.6
25°	4145.4	4236.9	4111.6	3873.7	3675.1	3462.5	3354.1	3330.1	3317.5	3304.8	3304.8
27.5°	4334.1	4383.4	4132.7	3794.8	3483.6	3273.8	3234.4	3238.6	3234.4	3213.3	3217.5
30°	4583.3	4573.5	4152.5	3666.7	3263.9	3103.4	3106.2	3124.5	3127.4	3113.3	3120.3
32.5°	4911.4	4811.4	4162.3	3500.5	3054.1	2954.2	2957.0	2976.7	2990.8	2966.8	2978.1
35°	5308.5	5088.8	4146.8	3292.1	2892.2	2812.0	2790.8	2796.5	2800.7	2778.2	2793.6
37.5°	5771.8	5400.0	4077.8	3061.2	2758.4	2672.6	2627.5	2589.5	2566.9	2545.8	2559.9
40°	6280.1	5739.4	3951.1	2835.9	2609.2	2524.7	2457.1	2385.3	2309.3	2281.1	2293.8
42.5°	6812.3	6088.6	3797.6	2620.5	2437.4	2368.4	2296.6	2192.4	2078.3	2020.6	2027.6
45°	7364.3	6446.2	3647.0	2407.8	2261.4	2231.8	2148.7	2023.4	1899.5	1826.3	1820.7
47.5°	7905.0	6784.2	3425.9	2193.8	2096.6	2129.0	2064.3	1948.8	1810.8	1695.3	1682.7
50°	8421.8	7101.0	3064.0	1977.0	1962.9	2098.1	2036.1	1869.9	1712.2	1564.4	1551.7
52.5°	8934.3	7357.3	2600.7	1779.8	1891.1	2089.6	1999.5	1816.4	1623.5	1468.6	1451.7
55°	9369.4	7489.6	2154.4	1610.9	1786.9	2017.8	1955.8	1753.1	1498.2	1333.5	1319.4
57.5°	9617.2	7382.6	1782.6	1444.7	1643.2	1899.5	1881.2	1617.9	1348.9	1222.2	1205.3
60°	9510.2	6948.9	1478.5	1299.7	1506.7	1771.4	1751.7	1484.1	1234.9	1115.2	1098.3
62.5°	8920.2	6122.4	1237.7	1172.9	1382.7	1640.4	1622.1	1381.3	1147.6	1032.1	1013.8
65°	7731.8	4980.4	1050.4	1067.3	1257.4	1482.7	1509.5	1295.4	1078.6	965.9	947.6
67.5°	5897.1	3607.5	904.0	975.8	1134.9	1327.8	1405.3	1233.5	1020.9	913.8	897.0
70°	3361.1	2048.8	780.1	887.1	1026.5	1184.2	1325.0	1184.2	958.9	870.2	858.9
72.5°	1274.3	940.6	674.5	798.4	922.3	1063.1	1236.3	1106.8	887.1	820.9	809.7
75°	680.1	573.1	567.5	694.2	802.6	944.8	1125.1	1030.7	833.6	867.4	895.5
77.5°	463.3	405.5	474.5	594.2	671.7	813.9	1006.8	915.3	722.3	719.5	663.2
80°	321.0	287.3	385.8	478.8	519.6	684.3	878.6	785.7	588.6	549.2	525.2
82.5°	192.9	187.3	288.7	357.7	367.5	528.0	728.0	659.0	481.6	419.6	422.4
85°	105.6	111.2	184.5	209.8	214.0	368.9	570.3	509.7	370.3	311.2	314.0
87.5°	29.6	38.0	67.6	83.1	102.8	191.5	339.3	302.7	185.9	129.5	129.5
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)