

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: P942795

Luminaire Tested: **GALN-SB7A-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942795
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-SB7A-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26112 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

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



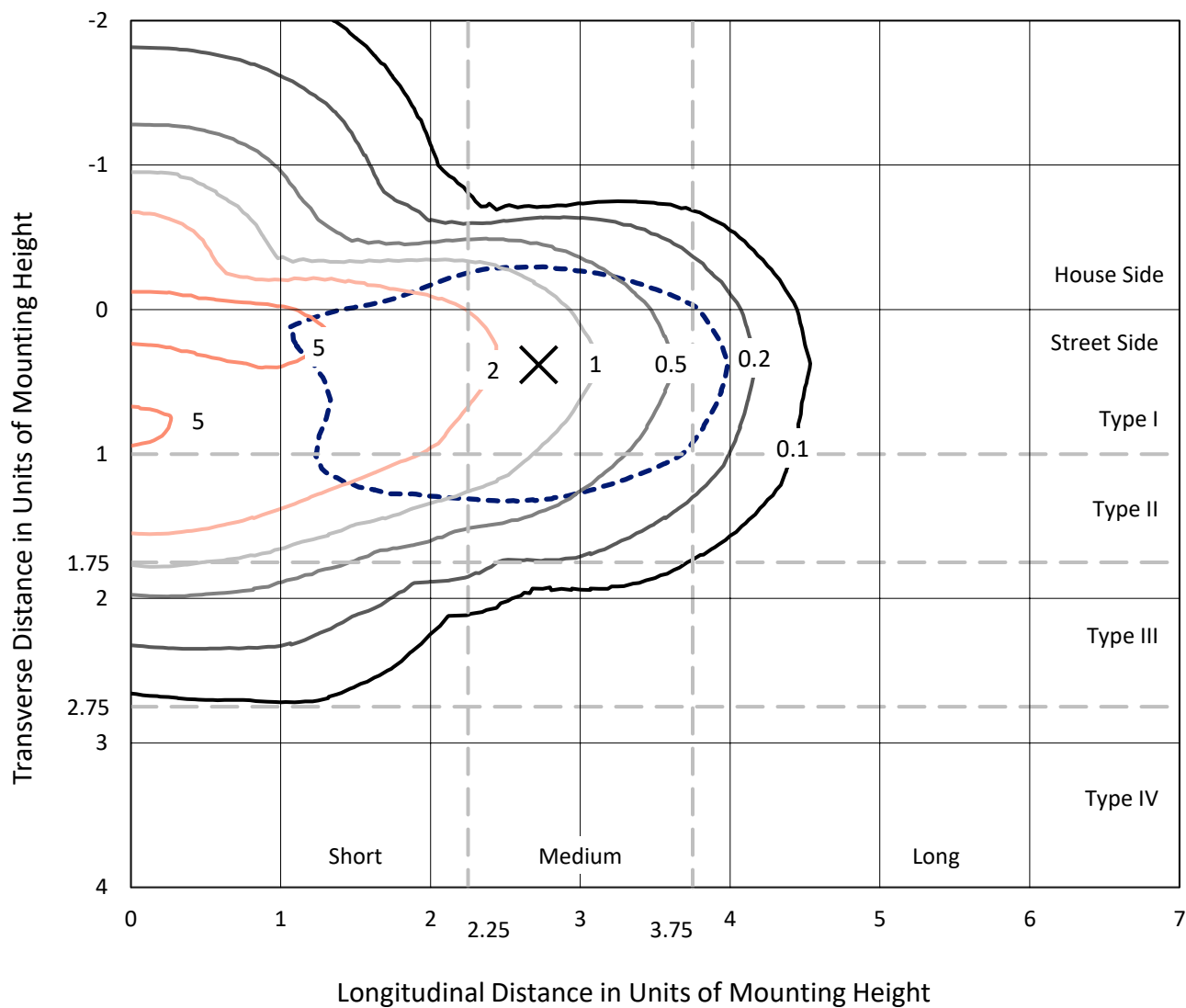
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Iso-Footcandle Lines of Horizontal Illumination

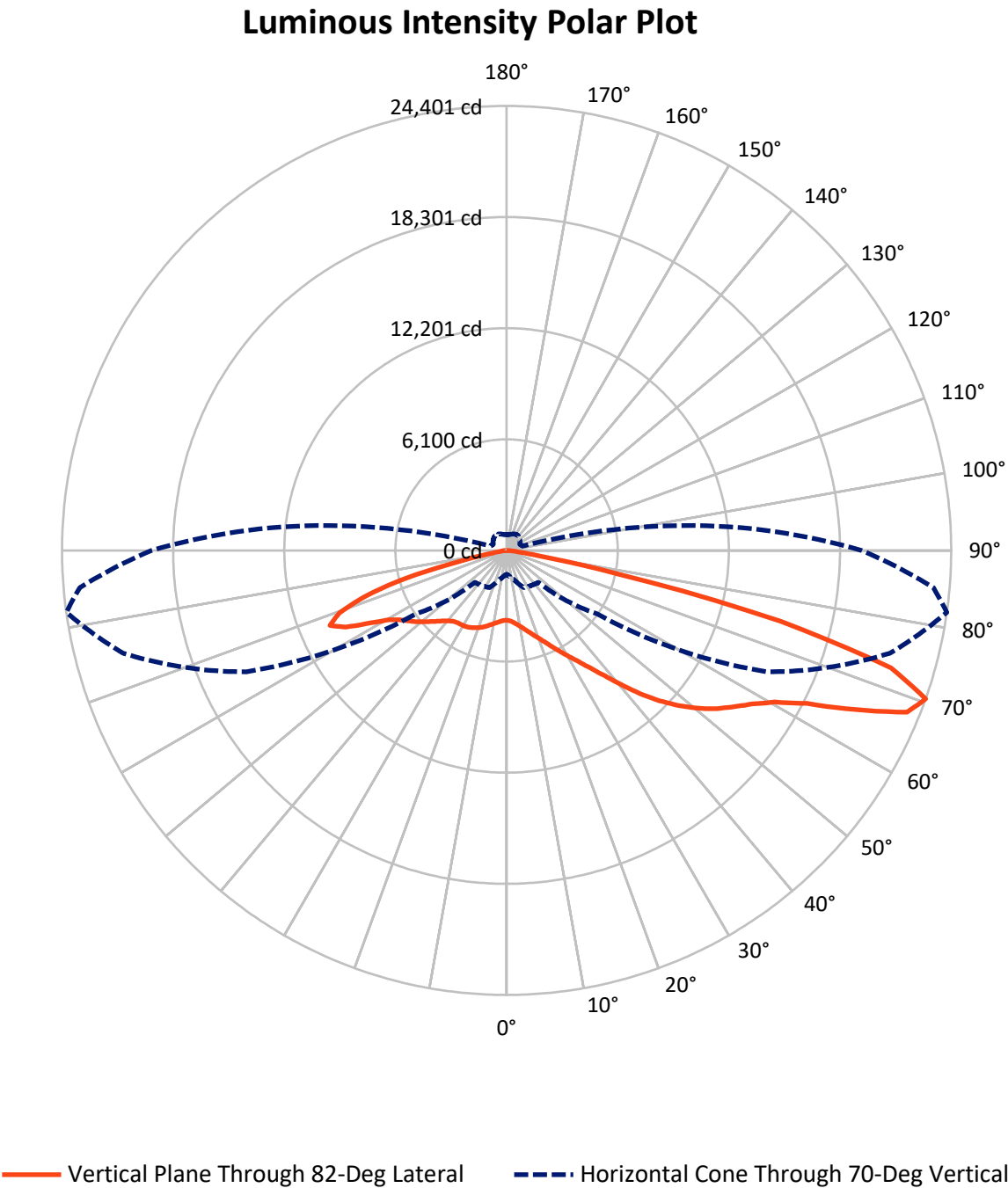
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
Type II - Medium - N/A

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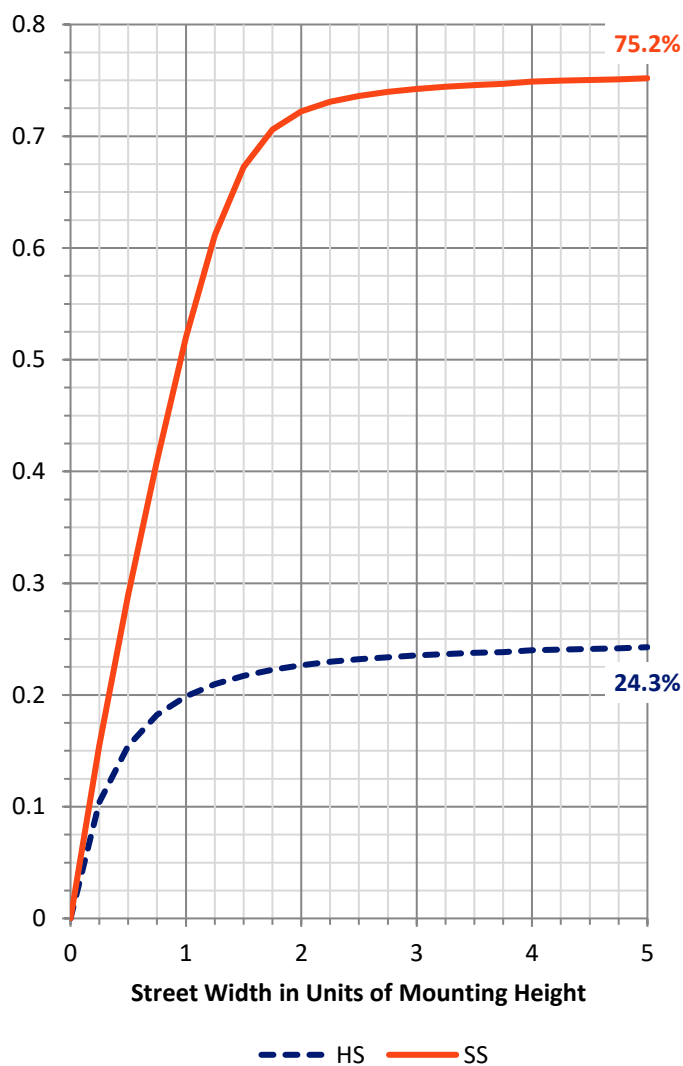
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6437.2	0.0	6437.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	19674.8	0.0	19674.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	26112.0	0.0	26112.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.5	1.4
10°-20°	1038.5	4.0
20°-30°	1737.3	6.7
30°-40°	2714.1	10.4
40°-50°	4322.6	16.6
50°-60°	6015.4	23.0
60°-70°	6292.4	24.1
70°-80°	3288.7	12.6
80°-90°	341.5	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°	26112.0	100.0
0°-180°	26112.0	100.0

Coefficient of Utilization



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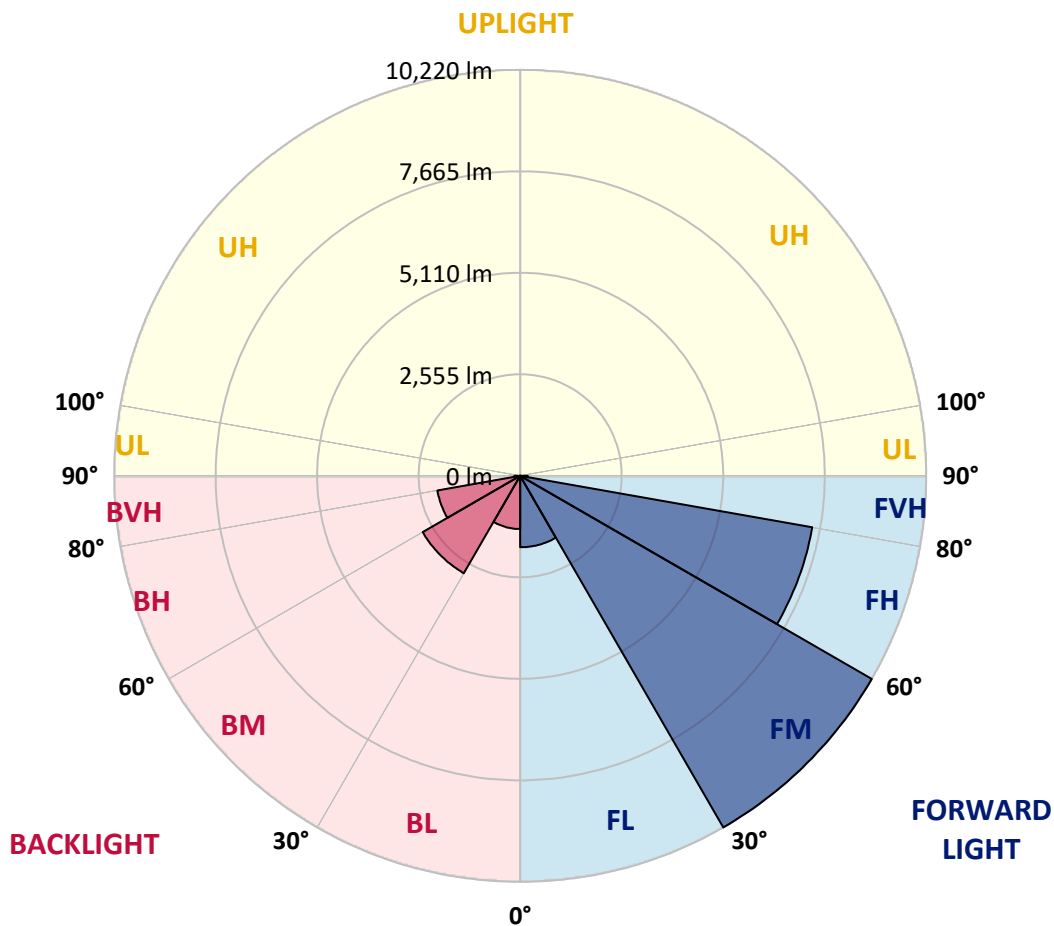
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1798.1	6.9			
FM	(30°-60°)	10220.0	39.1			
FH	(60°-80°)	7465.5	28.6			G3/7500
FVH	(80°-90°)	191.2	0.7			G2/225
BL	(0°-30°)	1339.2	5.1	B3/2500		
BM	(30°-60°)	2832.1	10.8	B3/5000		
BH	(60°-80°)	2115.6	8.1	B3/2500		G3/2500
BVH	(80°-90°)	150.3	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-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3
2.5°	3919.8	3942.0	3935.0	3928.1	3928.1	3918.4	3917.0	3903.2	3892.1	3874.1	3869.9
5°	3969.7	3993.2	3990.5	3996.0	4014.0	4018.2	4022.3	4014.0	3991.8	3969.7	3960.0
7.5°	3925.3	3951.7	3960.0	3993.2	4048.7	4098.5	4135.9	4151.2	4130.4	4098.5	4083.3
10°	3775.7	3804.8	3833.9	3912.9	4011.2	4129.0	4228.8	4288.4	4284.2	4253.7	4227.4
12.5°	3472.3	3502.7	3565.1	3718.9	3899.0	4106.8	4292.5	4417.2	4460.2	4438.0	4392.3
15°	3229.8	3256.1	3303.2	3461.2	3695.3	4011.2	4316.1	4558.5	4668.0	4655.5	4600.1
17.5°	3222.8	3233.9	3263.0	3337.9	3518.0	3861.6	4291.1	4697.1	4906.3	4904.9	4835.7
20°	3344.8	3348.9	3365.6	3380.8	3483.3	3748.0	4227.4	4812.1	5173.7	5173.7	5098.9
22.5°	3513.8	3511.0	3527.7	3513.8	3563.7	3738.3	4187.2	4913.3	5471.6	5493.8	5399.6
25°	3767.4	3753.5	3749.4	3717.5	3727.2	3828.3	4231.5	5028.3	5825.0	5870.7	5752.9
27.5°	4105.5	4083.3	4068.1	3994.6	3969.7	4014.0	4367.3	5166.8	6218.5	6297.4	6147.8
30°	4546.1	4505.9	4483.7	4356.3	4266.2	4273.1	4572.4	5351.1	6630.0	6757.5	6567.6
32.5°	5147.4	5085.1	5025.5	4816.3	4651.4	4597.3	4837.0	5606.0	7076.1	7279.8	7036.0
35°	5820.8	5770.9	5707.2	5384.3	5130.8	5006.1	5194.5	5962.1	7598.5	7921.3	7604.0
37.5°	6469.3	6426.3	6456.8	6021.7	5694.7	5513.2	5662.8	6440.2	8242.8	8719.4	8316.2
40°	7139.9	7106.6	7110.8	6695.1	6314.1	6110.4	6230.9	7040.1	8981.3	9668.5	9172.5
42.5°	7868.7	7843.7	7760.6	7392.0	6963.9	6774.1	6884.9	7732.9	9773.9	10749.3	10111.9
45°	8684.8	8669.5	8592.0	8169.4	7678.9	7465.5	7615.1	8497.7	10570.6	11766.3	11055.5
47.5°	9390.0	9402.5	9392.8	9036.7	8528.2	8215.1	8393.8	9295.8	11311.8	12722.4	11960.3
50°	9729.5	9794.6	9890.2	9779.4	9463.5	9144.8	9179.4	10066.2	12018.5	13618.8	12827.7
52.5°	9552.2	9675.5	9936.0	10113.3	10235.2	10168.7	10075.9	10831.0	12683.6	14428.0	13647.9
55°	8891.2	9064.4	9496.7	9924.9	10547.0	11030.6	11152.5	11679.0	13332.0	15140.2	14423.8
57.5°	7687.2	7968.4	8356.4	9222.4	10269.9	11447.6	12407.8	12855.4	14019.3	15900.9	15235.8
60°	5622.7	5999.5	6481.7	7770.3	9300.0	11224.5	13476.1	14662.2	14996.1	16886.0	16293.0
62.5°	3598.3	3831.1	4274.5	5488.3	7246.6	10081.4	13803.1	16920.7	16651.8	18501.6	17878.1
65°	2463.6	2613.2	3019.2	3700.9	4684.6	7504.3	12927.4	18613.8	19281.7	21062.1	20588.3
67.5°	1790.2	1903.8	2250.2	2847.4	3052.4	4440.8	10031.6	18536.2	21838.1	23700.3	22963.1
70°	1305.2	1385.6	1676.5	2250.2	2348.6	2470.5	6077.1	15756.8	21782.6	24401.4	23518.8
72.5°	967.1	1022.6	1217.9	1745.8	1901.0	1668.2	3008.1	11451.8	18717.7	22070.8	21362.8
75°	699.7	741.3	885.4	1335.7	1521.4	1270.6	1500.6	6692.3	13056.3	15525.4	15650.1
77.5°	534.8	566.7	660.9	978.2	1217.9	953.3	931.1	3078.7	6190.8	6221.2	6570.4
80°	429.5	450.3	501.6	688.6	933.9	713.6	606.9	1242.9	1956.4	1655.8	1737.5
82.5°	315.9	350.6	424.0	483.6	667.8	491.9	369.9	627.7	744.1	640.1	645.7
85°	180.1	203.7	256.3	346.4	426.8	300.7	212.0	278.5	346.4	284.0	253.6
87.5°	63.7	83.1	90.1	135.8	185.7	124.7	81.7	80.4	113.6	84.5	70.7
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°	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3	3828.3
2.5°	3856.1	3849.1	3821.4	3784.0	3745.2	3707.8	3695.3	3669.0	3651.0	3641.3	3652.4
5°	3933.6	3911.5	3846.4	3763.2	3675.9	3581.7	3515.2	3454.2	3409.9	3368.3	3385.0
7.5°	4044.5	4005.7	3893.5	3748.0	3592.8	3436.2	3319.8	3231.2	3171.6	3132.8	3141.1
10°	4173.4	4113.8	3942.0	3724.4	3484.7	3260.3	3123.1	3046.9	3009.5	2988.7	2994.2
12.5°	4321.6	4237.1	3991.8	3670.4	3319.8	3063.5	2969.3	2947.1	2948.5	2949.9	2952.7
15°	4504.5	4386.7	4032.0	3552.6	3105.1	2912.5	2895.9	2931.9	2969.3	2987.3	2985.9
17.5°	4711.0	4544.7	4039.0	3358.6	2894.5	2815.5	2868.1	2945.7	3002.5	3027.5	3033.0
20°	4932.6	4705.4	3989.1	3084.3	2721.3	2736.5	2830.7	2930.5	2992.8	3024.7	3033.0
22.5°	5186.2	4877.2	3869.9	2796.1	2579.9	2650.6	2761.5	2858.4	2923.6	2955.4	2963.7
25°	5475.8	5069.8	3682.9	2553.6	2458.0	2553.6	2664.5	2744.8	2797.5	2826.6	2834.9
27.5°	5797.2	5270.7	3433.5	2361.0	2351.3	2453.9	2545.3	2607.7	2635.4	2657.5	2665.8
30°	6120.1	5453.6	3131.4	2215.5	2258.5	2355.5	2420.6	2448.3	2456.6	2460.8	2470.5
32.5°	6469.3	5611.6	2814.1	2095.0	2169.8	2259.9	2298.7	2311.1	2272.3	2246.0	2254.3
35°	6891.9	5780.6	2503.7	1999.4	2082.5	2160.1	2172.6	2161.5	2115.8	2061.7	2064.5
37.5°	7414.2	5991.2	2255.7	1931.5	2000.8	2052.0	2036.8	2034.0	2038.2	1974.4	1978.6
40°	8054.4	6265.6	2074.2	1878.8	1934.3	1945.3	1902.4	1926.0	1946.7	1849.7	1852.5
42.5°	8765.2	6596.7	1959.2	1842.8	1878.8	1852.5	1786.0	1812.3	1809.6	1682.1	1680.7
45°	9489.8	6957.0	1919.0	1816.5	1827.6	1774.9	1701.5	1708.4	1650.2	1535.2	1539.4
47.5°	10210.3	7343.6	1944.0	1794.3	1763.8	1704.3	1647.4	1617.0	1531.1	1445.2	1445.2
50°	10917.0	7749.5	2035.4	1750.0	1676.5	1641.9	1600.3	1546.3	1454.9	1381.4	1375.9
52.5°	11572.3	8158.3	2137.9	1676.5	1567.1	1587.9	1561.5	1499.2	1409.1	1334.3	1335.7
55°	12193.1	8567.0	2178.1	1575.4	1464.6	1540.8	1525.5	1410.5	1302.4	1241.5	1235.9
57.5°	12869.2	9058.9	2133.8	1446.5	1381.4	1486.7	1428.5	1301.1	1238.7	1193.0	1188.8
60°	13805.9	9830.7	2038.2	1287.2	1302.4	1406.4	1306.6	1253.9	1186.1	1134.8	1132.0
62.5°	15361.9	11270.3	1884.4	1129.2	1209.6	1287.2	1248.4	1195.8	1126.5	1076.6	1076.6
65°	17661.9	13271.0	1594.8	1005.9	1105.7	1170.8	1186.1	1133.4	1061.4	1008.7	1011.5
67.5°	19601.7	14526.4	1206.8	903.4	999.0	1076.6	1119.5	1068.3	992.1	940.8	942.2
70°	19495.1	13614.7	921.4	802.2	904.8	983.8	1039.2	999.0	917.3	868.8	872.9
72.5°	17315.5	11389.4	745.4	699.7	809.2	886.8	953.3	922.8	839.7	792.5	792.5
75°	12721.0	8084.8	595.8	595.8	690.0	785.6	859.1	839.7	763.5	730.2	720.5
77.5°	5362.2	3391.9	466.9	494.7	573.6	674.8	766.2	773.2	706.6	748.2	678.9
80°	1425.8	935.3	356.1	389.3	450.3	557.0	666.5	663.7	591.6	552.8	514.0
82.5°	543.1	368.6	253.6	274.3	325.6	426.8	527.9	544.5	472.5	408.7	408.7
85°	209.2	158.0	156.6	164.9	189.8	282.7	399.0	412.9	356.1	302.1	311.8
87.5°	54.0	47.1	58.2	55.4	87.3	151.0	228.6	236.9	217.5	126.1	180.1
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)