

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: P951272

Luminaire Tested: **GALN-SB5C-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31670 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

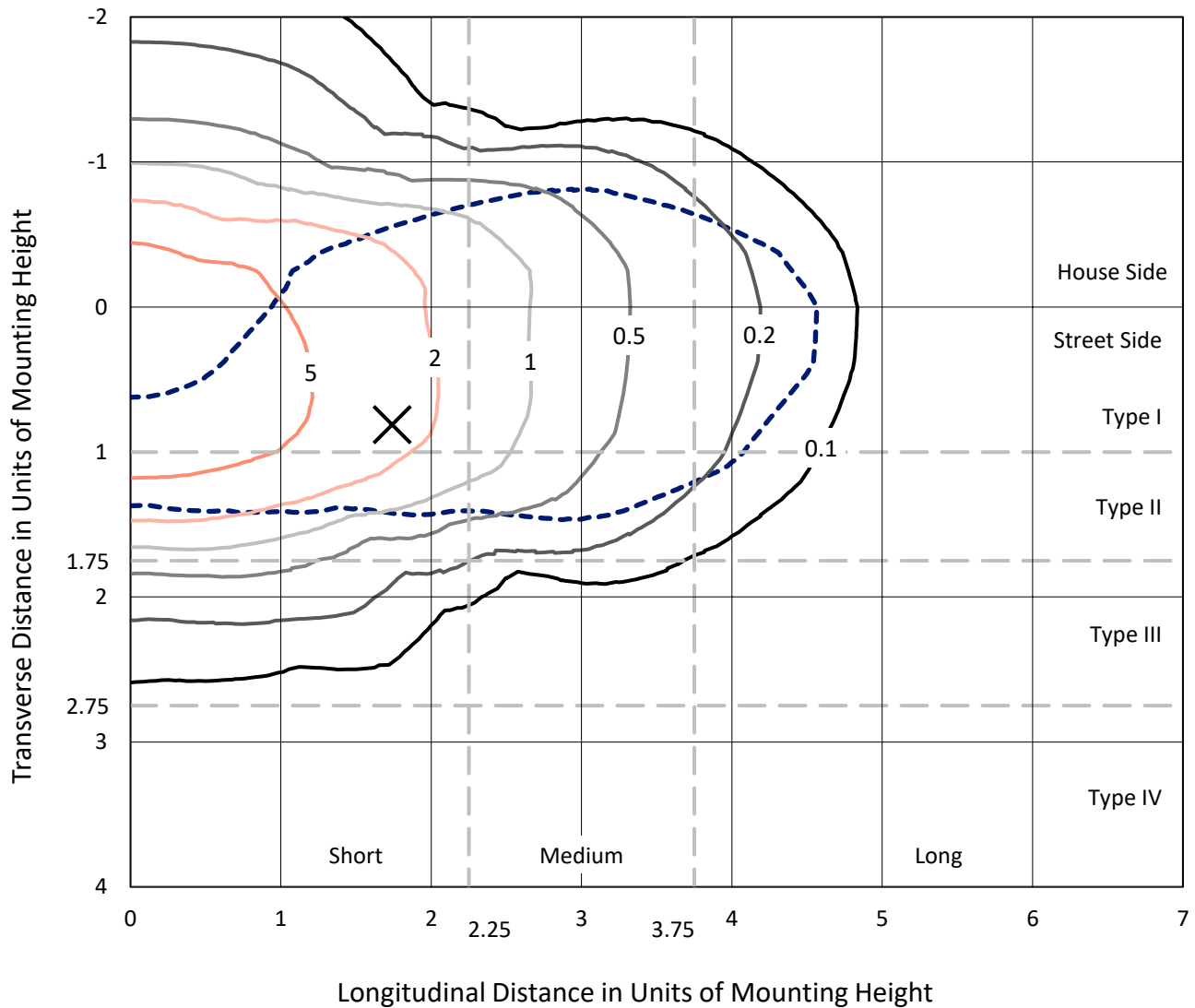
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951272
 CATALOG NUMBER: GALN-SB5C-722-U-T2U

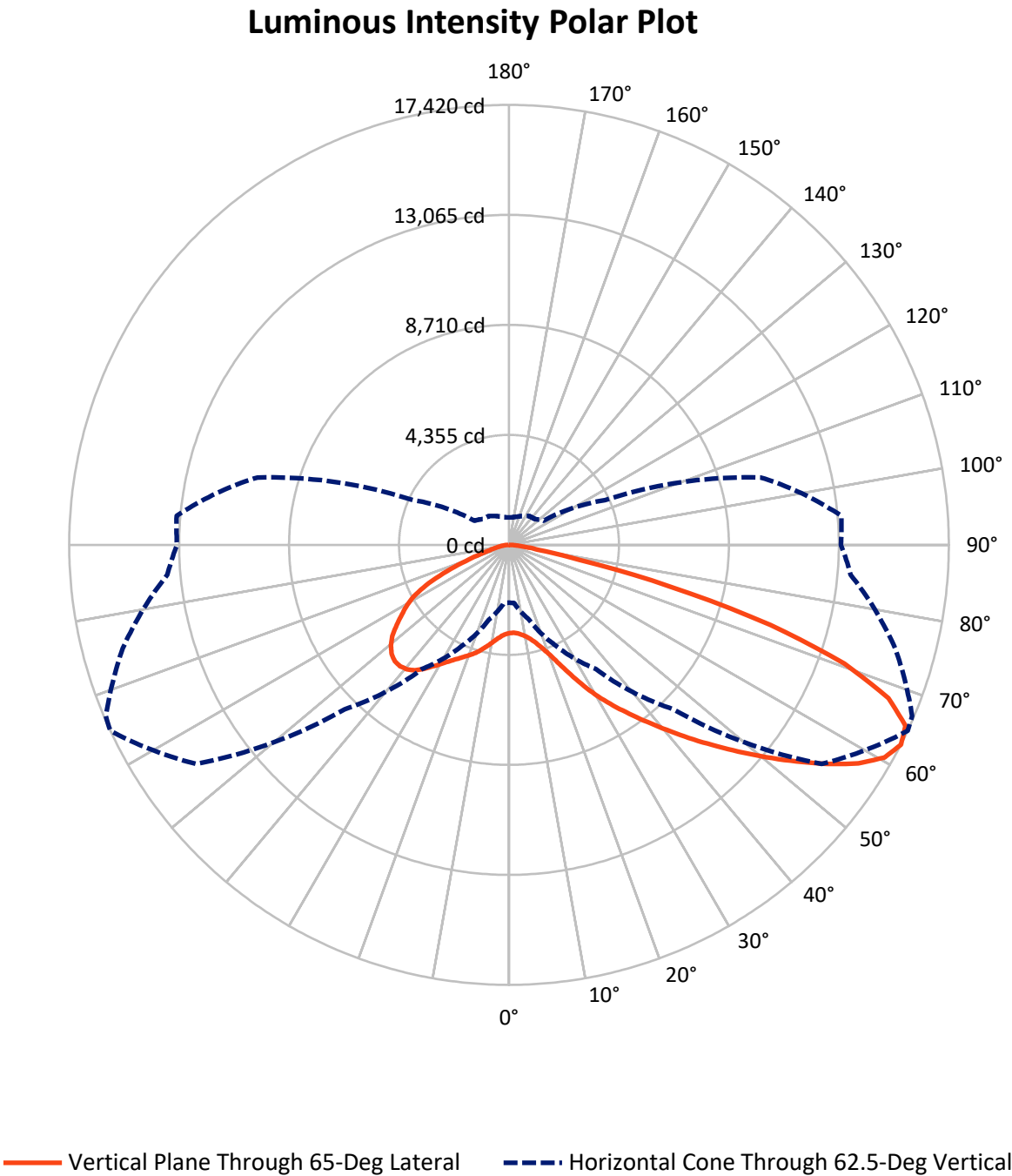
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

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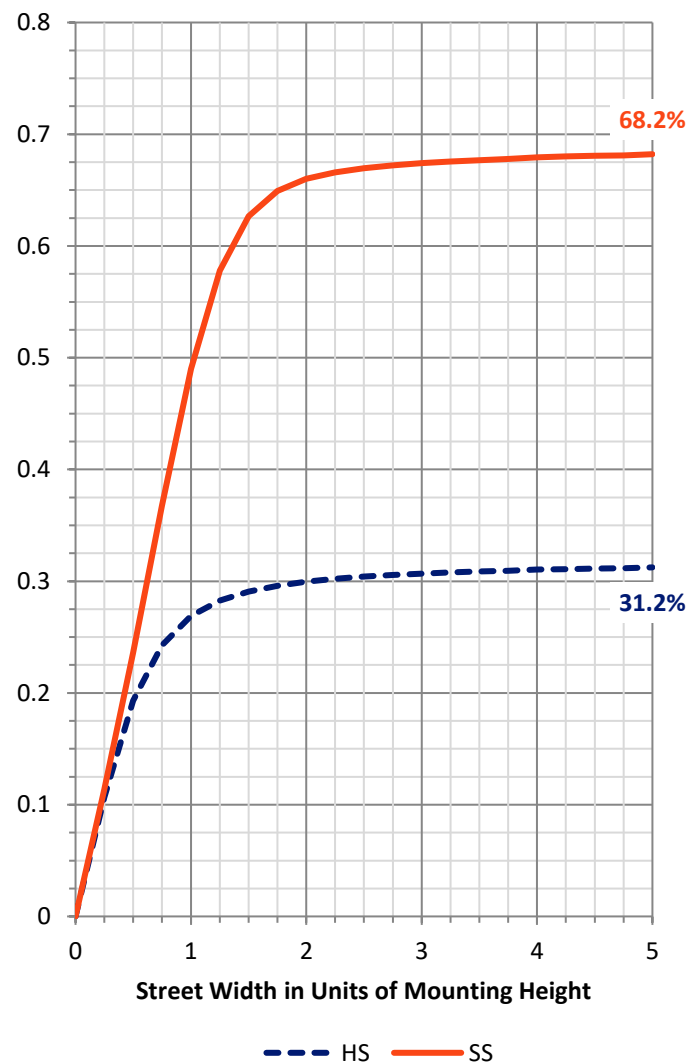
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9993.7	0.0	9993.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	21676.3	0.0	21676.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	31670.0	0.0	31670.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.9	1.1
10°-20°	1179.9	3.7
20°-30°	2392.4	7.6
30°-40°	4139.9	13.1
40°-50°	6265.0	19.8
50°-60°	7345.3	23.2
60°-70°	6158.2	19.4
70°-80°	3399.8	10.7
80°-90°	441.6	1.4
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°	31670.0	100.0
0°-180°	31670.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951272

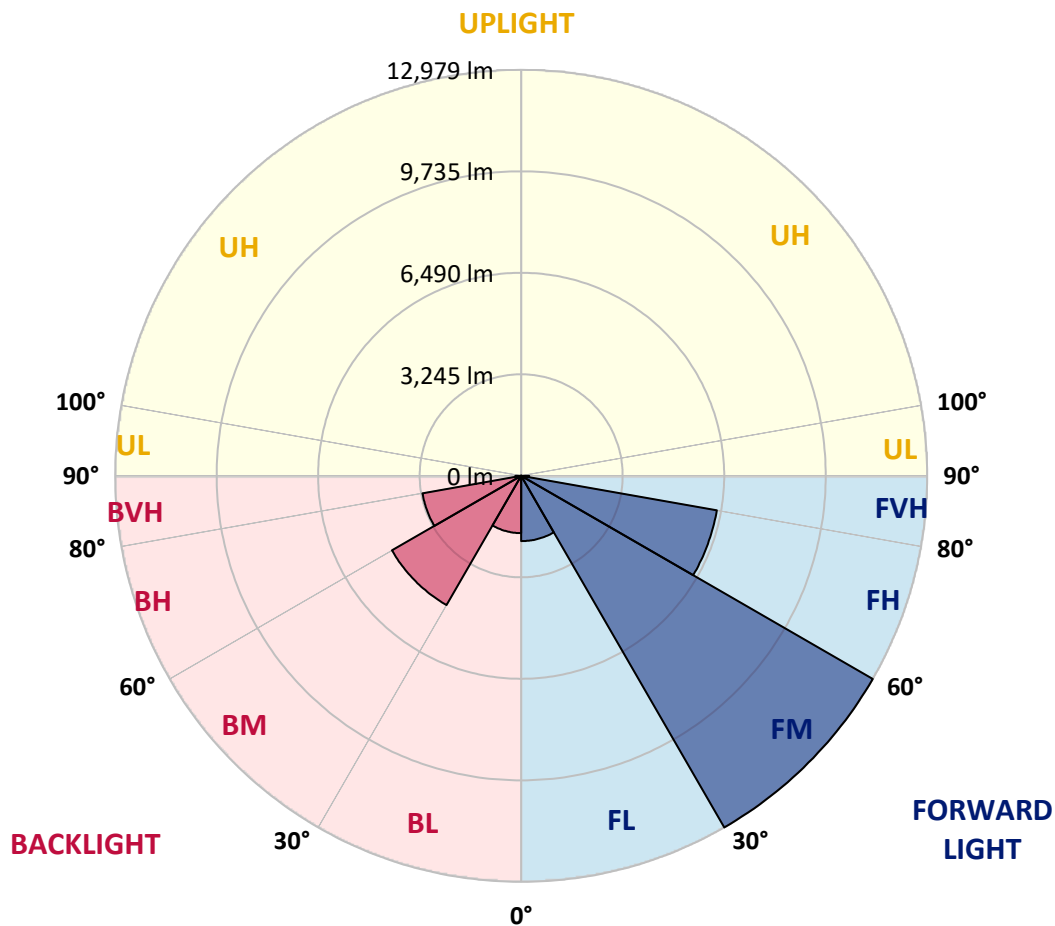
CATALOG NUMBER: GALN-SB5C-722-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2087.5	6.6			
FM	(30°-60°)	12979.4	41.0			
FH	(60°-80°)	6352.1	20.1			G3/7500
FVH	(80°-90°)	257.4	0.8			G3/500
BL	(0°-30°)	1832.7	5.8	B3/2500		
BM	(30°-60°)	4770.8	15.1	B3/5000		
BH	(60°-80°)	3205.9	10.1	B4/5000		G4/5000
BVH	(80°-90°)	184.2	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



REPORT NUMBER: P951272

CATALOG NUMBER: GALN-SB5C-722-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9
2.5°	3466.9	3457.0	3465.3	3465.3	3468.5	3466.9	3478.4	3481.7	3486.6	3496.5	3496.5
5°	3432.4	3430.7	3445.5	3458.7	3471.8	3483.3	3498.1	3519.5	3522.8	3534.3	3549.0
7.5°	3420.9	3411.0	3434.0	3450.5	3481.7	3509.6	3549.0	3585.2	3600.0	3604.9	3632.8
10°	3509.6	3493.2	3514.5	3524.4	3550.7	3578.6	3624.6	3682.1	3698.6	3718.3	3749.5
12.5°	3660.8	3642.7	3673.9	3688.7	3713.4	3738.0	3769.2	3825.1	3833.3	3869.4	3899.0
15°	3867.8	3846.4	3866.2	3884.2	3925.3	3948.3	3979.5	4033.8	4033.8	4061.7	4083.0
17.5°	4148.8	4120.8	4135.6	4142.2	4168.5	4203.0	4255.6	4303.2	4327.9	4318.0	4288.4
20°	4567.8	4533.3	4533.3	4500.4	4490.5	4518.5	4587.5	4653.2	4679.5	4628.5	4556.3
22.5°	5197.1	5147.8	5119.8	5008.1	4963.7	4967.0	5036.0	5116.5	5137.9	5047.5	4884.9
25°	5997.2	5920.0	5882.2	5717.9	5617.7	5530.6	5584.8	5688.3	5717.9	5606.2	5343.3
27.5°	6797.4	6802.3	6766.2	6569.0	6403.1	6243.7	6215.8	6324.2	6355.4	6228.9	5903.6
30°	7919.6	7803.0	7734.0	7497.4	7260.8	7037.3	6922.3	6966.6	6974.9	6823.7	6445.8
32.5°	8887.4	8857.8	8710.0	8502.9	8199.0	7849.0	7656.7	7586.1	7572.9	7357.7	6909.1
35°	9989.9	9973.5	9817.4	9570.9	9242.3	8756.0	8409.3	8207.2	8190.7	7888.4	7367.6
37.5°	11110.5	11110.5	10957.7	10688.2	10348.1	9740.2	9212.7	8892.3	8839.8	8445.4	7834.2
40°	12004.3	11950.1	11978.0	11864.7	11475.3	10829.5	10104.9	9639.9	9569.3	9096.1	8330.4
42.5°	12512.0	12494.0	12661.6	12788.1	12628.7	12112.8	11087.5	10450.0	10351.4	9812.5	8902.2
45°	12625.4	12605.7	12904.7	13368.1	13591.5	13379.6	12155.5	11302.7	11182.8	10561.7	9515.1
47.5°	12364.2	12324.7	12763.4	13494.6	14211.0	14584.0	13312.2	12227.8	12053.6	11291.2	10144.4
50°	11578.8	11541.0	12204.8	13175.8	14419.6	15402.2	14567.5	13208.7	12942.5	12073.3	10780.2
52.5°	9871.6	9889.7	10929.8	12263.9	14145.3	15911.6	15648.7	14242.2	13921.8	12873.5	11376.7
55°	7689.6	7729.0	9007.4	10476.3	13047.7	15834.3	16386.4	15306.9	14988.2	13626.0	11992.8
57.5°	5506.0	5680.1	6877.9	8332.0	10939.6	14610.2	16547.4	16319.0	16010.1	14447.6	12595.8
60°	3568.8	3600.0	4832.3	6297.9	8330.4	12434.8	16220.5	17086.4	16844.8	15285.6	13100.3
62.5°	2287.2	2308.5	3059.4	4405.1	5995.6	9199.6	15119.6	17419.9	17346.0	15839.3	13585.0
65°	1680.9	1664.4	2055.5	2911.5	4038.7	5673.5	12982.0	17258.9	17405.1	16186.0	13985.9
67.5°	1403.2	1380.2	1572.4	2016.1	2975.6	3222.1	9605.4	16212.2	16747.9	16146.5	14280.0
70°	1278.3	1258.6	1375.3	1496.8	2321.7	2157.4	4842.1	14094.3	14919.1	15698.0	14232.3
72.5°	1082.8	1048.3	1207.7	1329.2	1805.7	1654.6	2001.3	10826.2	11831.8	14260.3	13562.0
75°	839.6	816.6	953.0	1169.9	1357.2	1291.5	1265.2	6574.0	7671.5	11028.3	11864.7
77.5°	665.4	634.2	759.1	911.9	1220.8	974.3	921.8	2831.0	3918.7	7040.6	8877.5
80°	501.1	473.2	576.7	721.3	938.2	734.5	596.4	1155.1	1477.1	3567.1	4464.2
82.5°	356.5	331.9	402.6	529.1	630.9	658.9	366.4	647.4	727.9	1375.3	997.3
85°	228.4	213.6	269.5	331.9	400.9	423.9	223.5	338.5	371.3	566.9	415.7
87.5°	124.9	101.9	144.6	154.4	185.7	169.2	106.8	123.2	133.1	205.4	175.8
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: P951272

CATALOG NUMBER: GALN-SB5C-722-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9	3489.9
2.5°	3503.0	3508.0	3524.4	3529.3	3540.8	3555.6	3565.5	3575.3	3575.3	3585.2	3585.2
5°	3550.7	3562.2	3596.7	3614.8	3644.3	3673.9	3692.0	3713.4	3726.5	3733.1	3736.4
7.5°	3642.7	3660.8	3710.1	3741.3	3792.2	3833.3	3861.2	3890.8	3897.4	3915.5	3908.9
10°	3767.6	3788.9	3844.8	3904.0	3964.7	4015.7	4042.0	4063.3	4071.5	4074.8	4066.6
12.5°	3910.5	3941.7	4014.0	4086.3	4150.4	4194.8	4201.3	4196.4	4173.4	4153.7	4153.7
15°	4086.3	4114.3	4194.8	4273.6	4336.1	4344.3	4303.2	4276.9	4249.0	4244.1	4244.1
17.5°	4296.6	4311.4	4385.4	4462.6	4467.5	4439.6	4378.8	4354.2	4327.9	4309.8	4311.4
20°	4541.5	4536.5	4589.1	4622.0	4587.5	4502.0	4410.0	4368.9	4342.7	4321.3	4322.9
22.5°	4833.9	4796.1	4789.6	4781.4	4689.3	4510.2	4385.4	4332.8	4291.7	4262.1	4272.0
25°	5259.5	5114.9	5014.7	4958.8	4751.8	4465.9	4306.5	4189.8	4112.6	4061.7	4081.4
27.5°	5791.8	5548.7	5295.6	5159.3	4751.8	4375.5	4115.9	3927.0	3800.4	3747.9	3774.1
30°	6299.6	6044.9	5671.9	5400.8	4740.3	4227.6	3808.7	3545.8	3397.9	3345.3	3376.5
32.5°	6733.3	6455.7	6071.2	5665.3	4712.3	3987.7	3427.5	3136.6	2993.7	2931.3	2962.5
35°	7135.9	6840.1	6472.1	5956.2	4638.4	3636.1	3008.5	2786.7	2627.3	2527.1	2559.9
37.5°	7548.3	7196.7	6851.6	6219.0	4505.3	3225.4	2686.4	2497.5	2310.2	2175.4	2211.6
40°	7996.9	7576.2	7257.5	6375.1	4286.8	2834.3	2436.7	2264.2	2065.3	1922.4	1950.3
42.5°	8521.0	8031.4	7709.3	6455.7	3987.7	2556.6	2274.0	2104.8	1917.5	1800.8	1823.8
45°	9068.1	8532.5	8121.7	6454.0	3654.2	2426.8	2221.4	2053.8	1846.8	1725.2	1744.9
47.5°	9641.6	9056.6	8478.3	6348.9	3365.0	2444.9	2191.9	1943.8	1715.4	1597.1	1613.5
50°	10216.7	9630.1	8823.3	6151.7	3241.8	2405.5	2081.8	1789.3	1519.8	1413.0	1419.6
52.5°	10786.8	10239.7	9120.7	5870.7	3116.9	2259.2	1940.5	1588.9	1439.3	1365.4	1365.4
55°	11360.2	10842.7	9444.4	5461.6	2804.7	2088.4	1703.9	1513.3	1375.3	1307.9	1301.3
57.5°	11935.3	11539.3	9751.7	5052.5	2412.0	1878.0	1574.1	1421.3	1311.2	1253.7	1243.8
60°	12533.4	12336.2	10068.8	4676.2	2024.3	1608.6	1478.8	1347.3	1235.6	1171.5	1166.6
62.5°	13149.5	13213.6	10316.9	4191.5	1667.7	1444.3	1393.3	1258.6	1150.2	1089.4	1087.7
65°	13770.6	14059.8	10479.5	3519.5	1352.3	1288.2	1301.3	1161.7	1051.6	999.0	997.3
67.5°	14238.9	14669.4	10433.5	2663.4	1109.1	1140.3	1186.3	1059.8	956.3	915.2	916.8
70°	14291.5	14597.1	9980.1	1823.8	928.3	995.7	1058.1	959.6	852.8	823.2	824.8
72.5°	13591.5	13611.3	8716.5	1191.2	785.4	874.1	923.4	857.7	754.2	724.6	723.0
75°	11756.2	11256.7	6399.8	785.4	657.2	750.9	796.9	750.9	650.7	657.2	634.2
77.5°	8907.1	7972.2	3885.9	558.6	548.8	630.9	693.4	660.5	575.1	645.7	568.5
80°	4589.1	4313.1	1733.4	417.3	433.8	504.4	570.1	527.4	455.1	433.8	396.0
82.5°	1051.6	1222.4	683.5	299.0	313.8	363.1	435.4	396.0	327.0	276.0	272.8
85°	368.0	402.6	302.3	187.3	184.0	226.7	295.8	264.5	221.8	177.5	187.3
87.5°	116.7	152.8	113.4	75.6	78.9	101.9	136.4	124.9	103.5	67.4	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

(END OF REPORT)