

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: P943257

Luminaire Tested: **GALN-SB7C-927-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32441 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

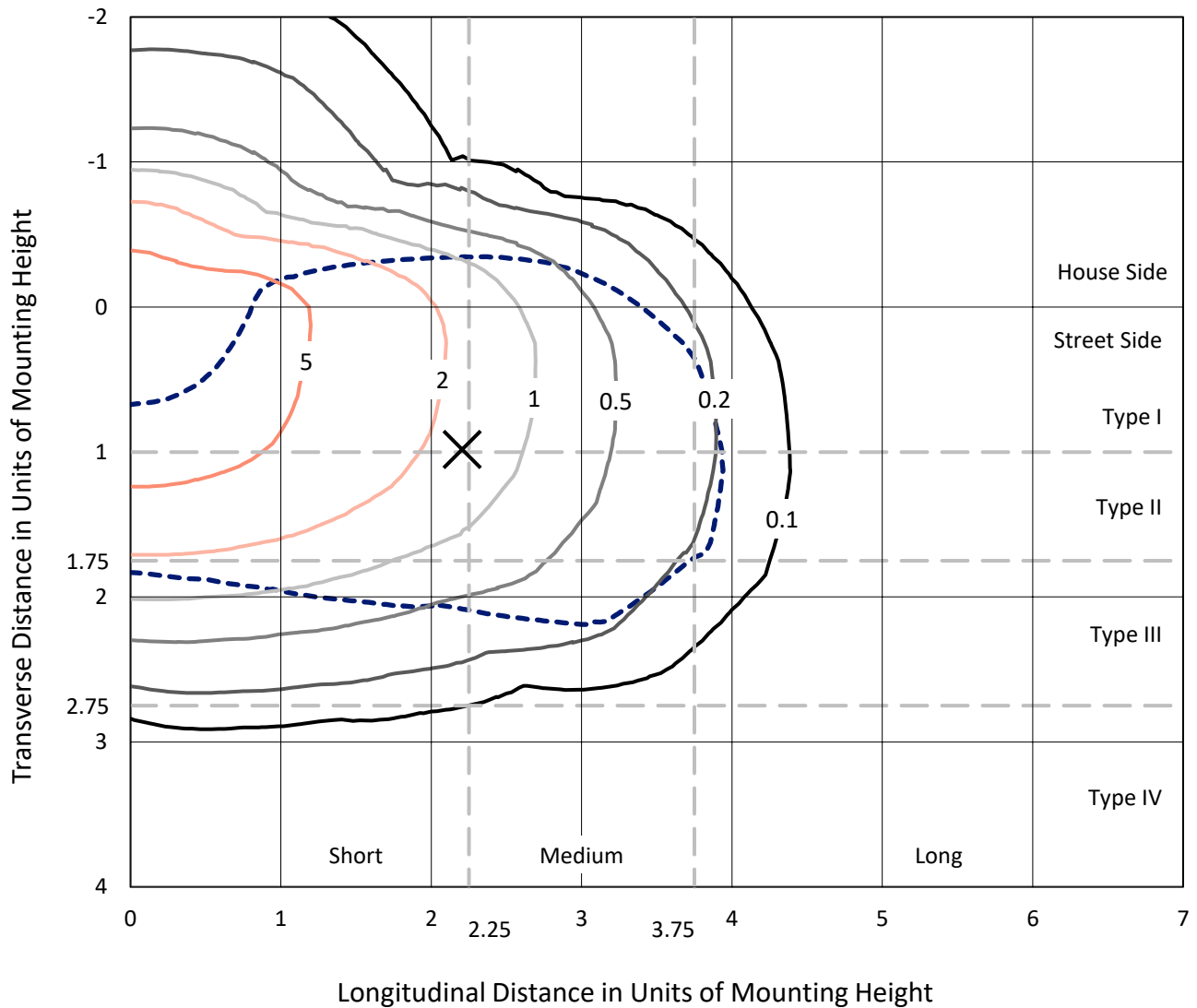
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943257
 CATALOG NUMBER: GALN-SB7C-927-U-T3

Iso-Footcandle Lines of Horizontal Illumination

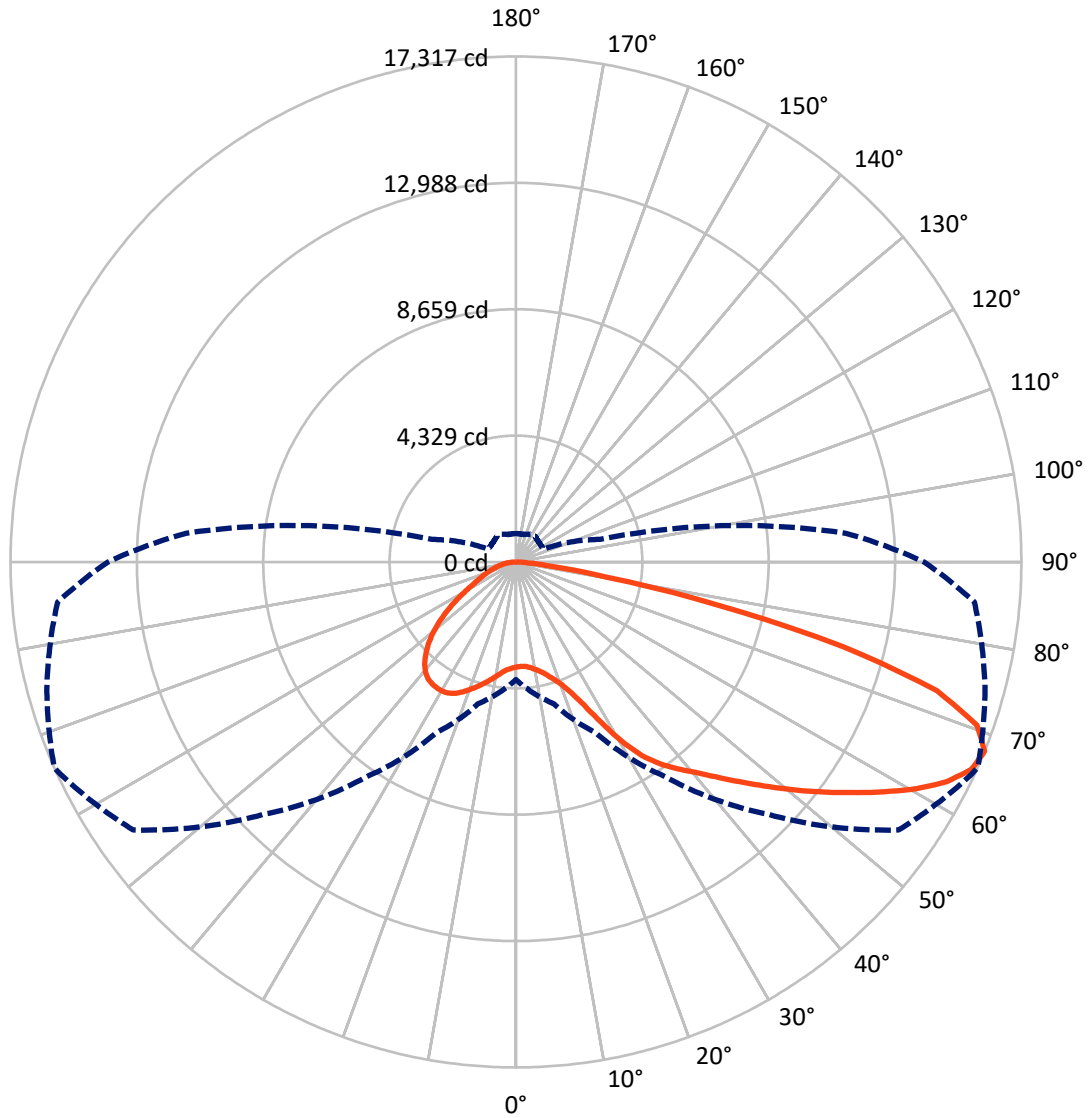
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

REPORT NUMBER: P943257
CATALOG NUMBER: GALN-SB7C-927-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P943257
 CATALOG NUMBER: GALN-SB7C-927-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8066.4	0.0	8066.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	24374.6	0.0	24374.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	32441.0	0.0	32441.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.7	1.1
10°-20°	1178.6	3.6
20°-30°	2271.7	7.0
30°-40°	3983.2	12.3
40°-50°	5921.7	18.3
50°-60°	7506.3	23.1
60°-70°	7344.7	22.6
70°-80°	3503.5	10.8
80°-90°	374.4	1.2
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°	32441.0	100.0
0°-180°	32441.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943257

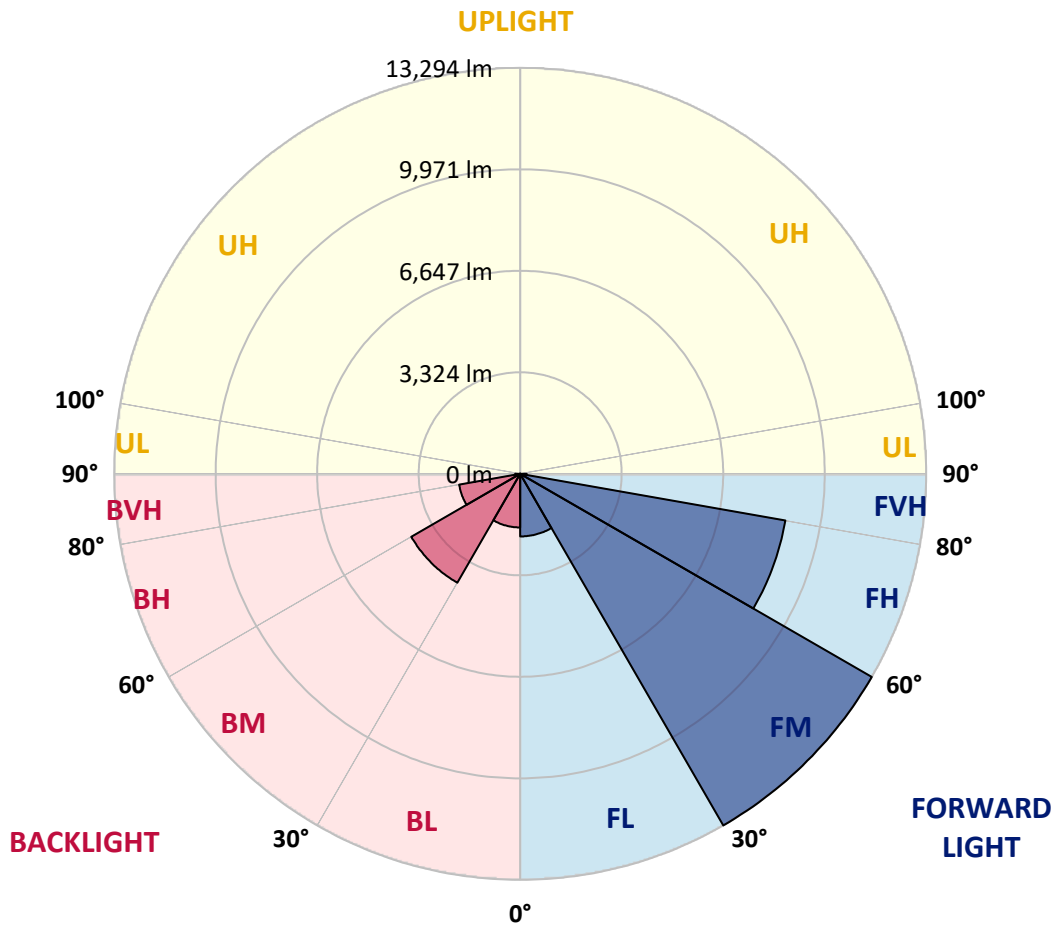
CATALOG NUMBER: GALN-SB7C-927-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2050.0	6.3			
FM (30°-60°)	13294.1	41.0			
FH (60°-80°)	8818.3	27.2			G4/12000
FVH (80°-90°)	212.3	0.7			G2/225
BL (0°-30°)	1757.1	5.4	B3/2500		
BM (30°-60°)	4117.2	12.7	B3/5000		
BH (60°-80°)	2029.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	162.1	0.5			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 III Short



REPORT NUMBER: P943257
 CATALOG NUMBER: GALN-SB7C-927-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3598.1	3598.1	3598.1	3598.1	3598.1	3598.1	3598.1	3598.1	3598.1	3598.1
2.5°	3560.6	3581.1	3576.0	3567.5	3565.8	3569.2	3574.3	3579.4	3577.7	3586.2
5°	3550.4	3570.9	3569.2	3569.2	3576.0	3589.6	3598.1	3606.7	3598.1	3608.4
7.5°	3557.2	3572.6	3579.4	3586.2	3603.2	3628.8	3649.3	3668.0	3657.8	3669.7
10°	3644.2	3656.1	3662.9	3662.9	3674.8	3703.8	3724.3	3758.4	3749.8	3768.6
12.5°	3802.7	3814.6	3814.6	3807.8	3816.3	3835.1	3841.9	3879.4	3864.0	3894.7
15°	3997.0	4020.8	4002.1	3990.2	3993.6	4012.3	4010.6	4039.6	4024.3	4049.8
17.5°	4211.7	4242.4	4211.7	4210.0	4203.2	4223.7	4225.4	4250.9	4223.7	4242.4
20°	4465.7	4508.3	4482.8	4491.3	4475.9	4484.5	4493.0	4530.5	4487.9	4501.5
22.5°	4823.6	4874.8	4847.5	4879.9	4869.7	4862.9	4861.1	4927.6	4861.1	4866.3
25°	5345.2	5406.6	5358.9	5403.2	5403.2	5425.3	5450.9	5536.1	5425.3	5392.9
27.5°	6115.6	6177.0	6083.3	6110.5	6102.0	6156.5	6129.3	6340.6	6221.3	6168.5
30°	7042.9	7152.0	6974.7	6967.9	6959.3	7046.3	7085.5	7225.2	7104.2	7051.4
32.5°	8045.1	8159.3	7947.9	7886.6	7854.2	7907.0	7874.7	7987.1	7903.6	7821.8
35°	9105.3	9217.8	9016.6	8897.3	8767.8	8657.0	8541.1	8570.1	8491.7	8367.2
37.5°	10107.5	10313.7	10100.7	9972.9	9734.2	9517.8	9193.9	9059.3	8986.0	8871.8
40°	11128.5	11246.1	11084.2	10975.1	10716.0	10376.8	9858.7	9574.0	9475.1	9364.4
42.5°	11880.2	11992.6	11905.7	11830.7	11627.9	11234.2	10564.3	10208.1	10064.9	9940.5
45°	12476.7	12560.2	12505.7	12533.0	12446.0	12064.2	11295.5	10888.2	10739.9	10588.2
47.5°	12717.0	12805.7	12892.6	13054.5	13202.8	12921.6	12081.3	11624.5	11467.7	11312.6
50°	12689.8	12780.1	13032.4	13376.7	13836.9	13743.1	12909.7	12408.5	12263.7	12086.4
52.5°	12471.6	12573.9	12897.7	13470.4	14203.3	14358.5	13753.4	13218.2	13081.8	12870.5
55°	11898.9	11960.3	12446.0	13257.4	14290.3	14788.0	14580.0	14080.6	13944.3	13649.4
57.5°	10837.0	10925.7	11633.0	12683.0	14072.1	15079.4	15306.1	14987.4	14856.2	14431.7
60°	9451.3	9592.8	10402.4	11718.2	13516.4	15077.7	15965.8	15878.8	15769.8	15202.2
62.5°	7883.2	8046.8	8825.7	10354.7	12544.9	14649.9	16378.2	16625.4	16569.2	15912.9
65°	6054.3	6166.8	6942.3	8590.5	11033.0	13731.2	16426.0	17135.0	17145.3	16453.2
67.5°	4031.1	4354.9	5028.2	6446.3	9008.1	12229.6	16006.7	17218.6	17317.4	16639.0
70°	1967.0	2393.1	3052.7	4189.6	6446.3	9926.8	14910.7	16533.4	16753.2	16097.0
72.5°	816.4	954.5	1314.1	2067.5	3700.4	6698.6	12708.5	14675.5	15082.9	14263.0
75°	550.5	596.6	751.7	1060.2	1685.7	3303.3	9164.9	10942.7	11598.9	10772.2
77.5°	424.4	453.4	547.1	741.4	1002.2	1249.4	4905.5	6594.6	6933.8	6419.0
80°	334.1	356.2	409.1	540.3	710.8	668.2	1672.1	2987.9	3183.9	2670.9
82.5°	289.8	298.3	293.2	366.5	472.1	390.3	548.8	1102.8	1217.0	882.9
85°	209.6	233.5	243.7	226.7	250.6	197.7	225.0	390.3	429.5	383.5
87.5°	85.2	126.1	155.1	146.6	92.0	56.2	69.9	114.2	131.2	143.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P943257
 CATALOG NUMBER: GALN-SB7C-927-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3598.1	0°	3598.1	3598.1	3598.1	3598.1	3598.1	3598.1	3598.1	3598.1	3598.1	3598.1
3599.8	2.5°	3601.5	3613.5	3622.0	3632.2	3639.0	3649.3	3669.7	3681.7	3683.4	3691.9
3627.1	5°	3633.9	3651.0	3669.7	3697.0	3727.7	3753.2	3792.4	3819.7	3829.9	3838.5
3693.6	7.5°	3703.8	3727.7	3761.8	3809.5	3853.8	3887.9	3935.6	3968.0	4000.4	4012.3
3799.3	10°	3807.8	3841.9	3891.3	3956.1	4003.8	4048.1	4097.5	4124.8	4157.2	4170.8
3925.4	12.5°	3937.3	3973.1	4037.9	4128.2	4172.5	4203.2	4220.3	4213.4	4220.3	4232.2
4077.1	15°	4085.6	4124.8	4198.1	4295.3	4325.9	4298.7	4261.2	4227.1	4222.0	4225.4
4261.2	17.5°	4261.2	4290.2	4375.4	4457.2	4435.0	4322.5	4240.7	4186.2	4158.9	4150.4
4496.4	20°	4506.6	4506.6	4576.5	4627.6	4479.3	4288.4	4160.6	4072.0	4015.7	3991.9
4816.8	22.5°	4804.9	4777.6	4821.9	4786.2	4470.8	4193.0	4015.7	3862.3	3777.1	3743.0
5265.1	25°	5183.3	5150.9	5139.0	4917.4	4409.5	4041.3	3753.2	3567.5	3492.5	3473.7
5911.1	27.5°	5754.3	5672.5	5517.4	4989.0	4297.0	3802.7	3446.4	3274.3	3231.7	3233.4
6741.2	30°	6514.5	6350.9	5970.8	5000.9	4112.9	3465.2	3132.8	3010.1	2989.6	2998.2
7438.3	32.5°	7218.4	7063.3	6434.4	4946.4	3829.9	3134.5	2851.6	2769.8	2739.1	2749.3
7970.1	35°	7770.7	7728.1	6863.9	4869.7	3482.2	2824.3	2599.3	2529.4	2469.8	2456.1
8471.2	37.5°	8292.2	8275.2	7186.0	4762.3	3137.9	2604.4	2396.5	2304.4	2217.5	2169.8
9025.2	40°	8864.9	8847.9	7397.4	4597.0	2832.8	2413.5	2214.1	2093.1	1985.7	1898.8
9652.4	42.5°	9509.2	9408.7	7498.0	4360.0	2573.7	2251.6	2065.8	1902.2	1760.7	1680.6
10361.5	45°	10213.2	9986.5	7496.3	4058.3	2355.6	2103.3	1907.3	1675.5	1544.2	1469.3
11089.3	47.5°	10959.7	10538.7	7404.2	3724.3	2144.2	1939.7	1661.9	1484.6	1397.7	1351.6
11880.2	50°	11730.2	11055.2	7247.4	3340.8	1927.8	1753.9	1508.5	1387.4	1321.0	1278.4
12664.2	52.5°	12454.6	11523.9	7058.2	2906.1	1707.9	1573.2	1440.3	1346.5	1276.6	1228.9
13424.4	55°	13127.8	11927.9	6790.6	2461.3	1528.9	1452.2	1407.9	1329.5	1249.4	1193.1
14196.5	57.5°	13726.1	12190.4	6328.7	2043.7	1401.1	1368.7	1373.8	1300.5	1208.5	1160.7
14956.7	60°	14223.8	12383.0	5645.2	1656.7	1297.1	1286.9	1321.0	1246.0	1138.6	1084.0
15599.3	62.5°	14522.1	12379.6	4806.6	1356.8	1208.5	1211.9	1251.1	1177.8	1068.7	1017.6
15935.1	65°	14496.5	12076.2	3886.2	1160.7	1123.2	1126.7	1177.8	1102.8	1010.8	980.1
15766.3	67.5°	13983.5	11336.4	2981.1	1032.9	1029.5	1044.8	1104.5	1051.7	975.0	971.5
14760.7	70°	12594.3	9800.7	2147.6	930.6	932.3	954.5	1032.9	1019.3	956.2	963.0
12410.2	72.5°	10099.0	7472.4	1442.0	823.3	825.0	860.8	964.7	993.7	937.5	1027.8
8805.3	75°	6725.8	4660.0	927.2	709.1	710.8	756.8	905.1	944.3	886.3	1024.4
4581.6	77.5°	3231.7	2094.8	671.6	596.6	596.6	639.2	782.4	845.4	755.1	796.0
1472.7	80°	1116.4	787.5	528.4	480.7	470.4	499.4	659.6	732.9	651.1	600.0
480.7	82.5°	439.8	409.1	424.4	373.3	339.2	357.9	513.0	605.1	479.0	432.9
271.0	85°	252.3	265.9	300.0	247.1	196.0	219.9	376.7	434.6	361.3	318.7
88.6	87.5°	68.2	93.7	138.1	127.8	88.6	93.7	179.0	240.3	207.9	160.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
3598.1
3690.2
3836.8
4014.0
4177.7
4235.6
4237.3
4162.3
3986.8
3737.9
3477.1
3238.5
3027.1
2762.9
2466.4
2171.5
1907.3
1685.7
1465.8
1341.4
1263.0
1208.5
1171.0
1130.1
1060.2
1002.2
978.4
976.7
961.3
1041.4
1032.9
729.5
562.5
431.2
325.6
165.3
0.0

F REPORT)