

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: P942062

Luminaire Tested: **GALN-SB5D-927-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5D-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31016 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

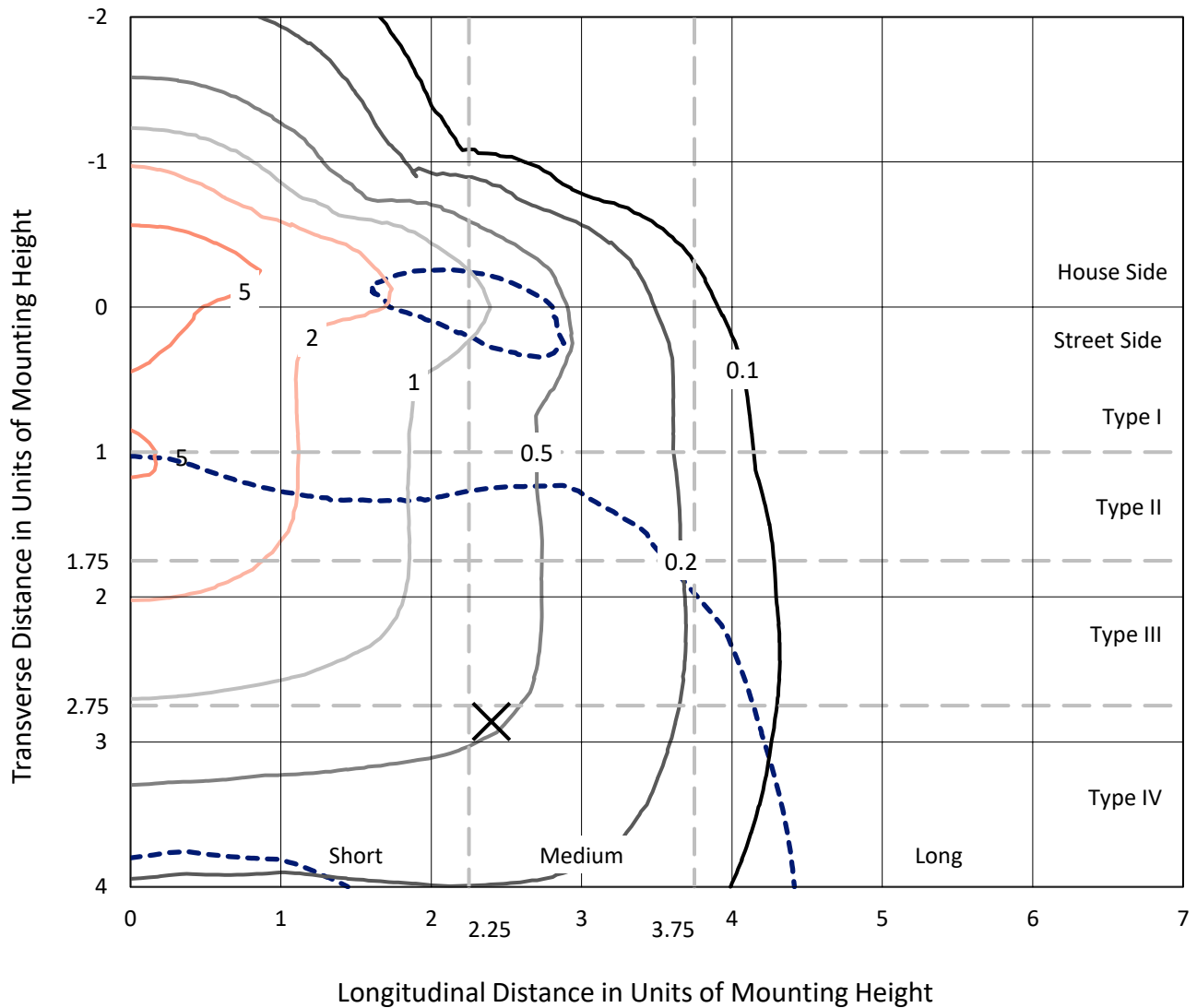
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942062
 CATALOG NUMBER: GALN-SB5D-927-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

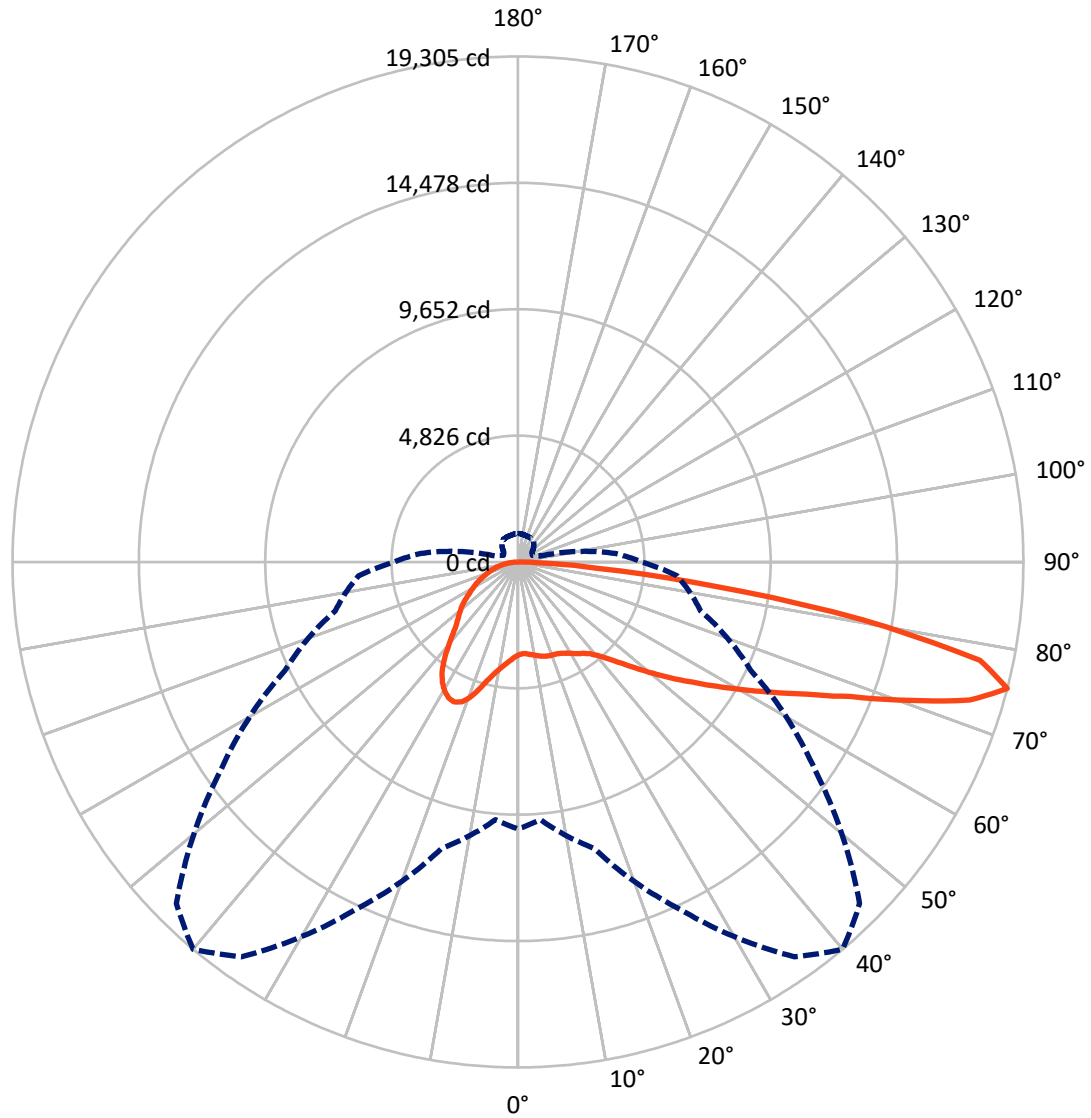
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Medium - N/A

REPORT NUMBER: P942062
CATALOG NUMBER: GALN-SB5D-927-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P942062

CATALOG NUMBER: GALN-SB5D-927-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9609.8	0.0	9609.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	21406.2	0.0	21406.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	31016.0	0.0	31016.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.0	1.1
10°-20°	1188.6	3.8
20°-30°	2170.4	7.0
30°-40°	3078.2	9.9
40°-50°	4156.5	13.4
50°-60°	5591.6	18.0
60°-70°	7097.0	22.9
70°-80°	6440.9	20.8
80°-90°	938.9	3.0
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°	31016.0	100.0
0°-180°	31016.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942062

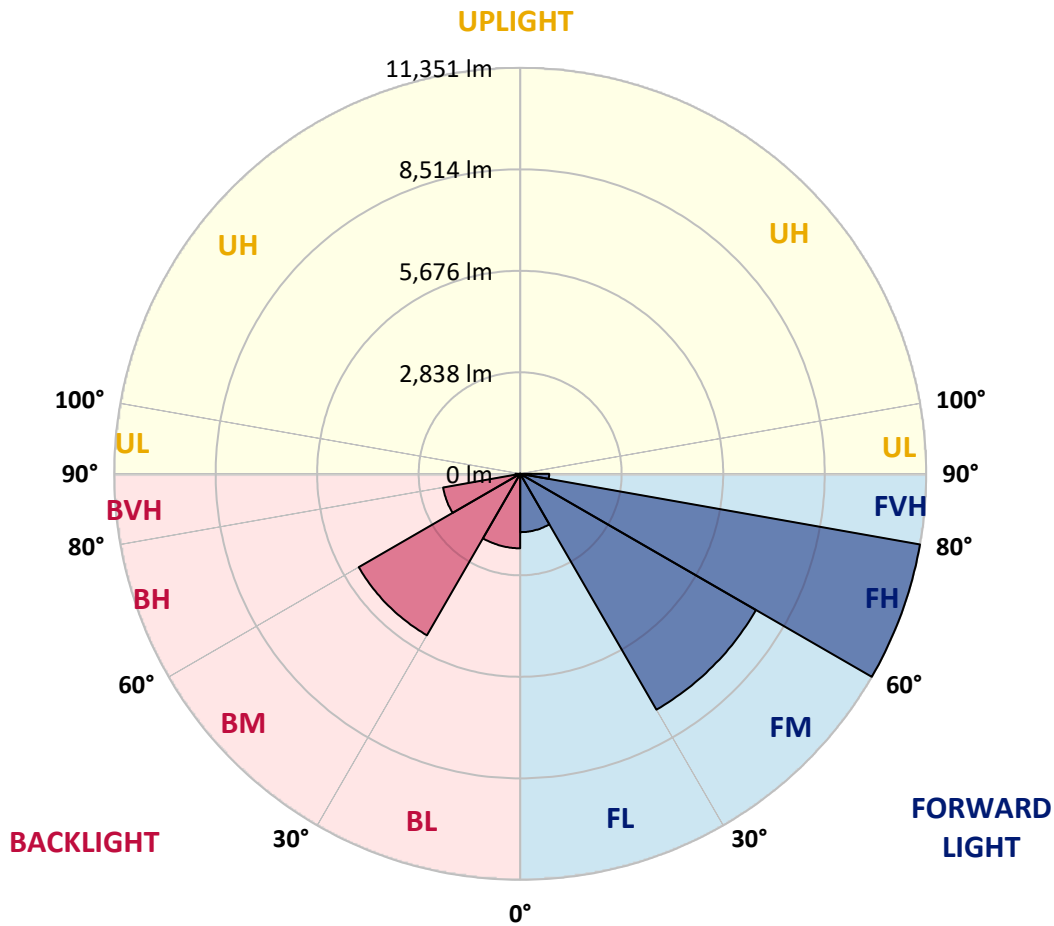
CATALOG NUMBER: GALN-SB5D-927-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1631.5	5.3			
FM (30°-60°)	7613.7	24.5			
FH (60°-80°)	11351.4	36.6			G4/12000
FVH (80°-90°)	809.6	2.6			G5
BL (0°-30°)	2081.6	6.7	B3/2500		
BM (30°-60°)	5212.4	16.8	B4/8500		
BH (60°-80°)	2186.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	129.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



REPORT NUMBER: P942062

CATALOG NUMBER: GALN-SB5D-927-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3546.7	3546.7	3546.7	3546.7	3546.7	3546.7	3546.7	3546.7	3546.7	3546.7
2.5°	3492.4	3512.2	3507.2	3500.7	3500.7	3502.3	3500.7	3512.2	3523.7	3535.2
5°	3528.6	3548.4	3538.5	3530.3	3523.7	3522.0	3517.1	3515.5	3522.0	3536.9
7.5°	3599.4	3619.1	3604.3	3589.5	3576.3	3569.8	3563.2	3553.3	3548.4	3556.6
10°	3678.3	3698.1	3680.0	3653.6	3632.3	3624.0	3617.5	3607.6	3601.0	3605.9
12.5°	3757.3	3777.0	3752.4	3716.2	3688.2	3683.3	3675.0	3671.7	3670.1	3668.5
15°	3831.3	3847.8	3816.5	3773.7	3744.1	3735.9	3727.7	3732.6	3740.8	3750.7
17.5°	3888.9	3905.3	3859.3	3803.3	3775.4	3772.1	3767.2	3783.6	3806.6	3831.3
20°	3941.5	3958.0	3898.8	3823.1	3790.2	3790.2	3791.8	3826.4	3859.3	3895.5
22.5°	4015.6	4028.7	3956.3	3852.7	3805.0	3808.3	3821.4	3856.0	3897.1	3946.5
25°	4125.8	4135.6	4046.8	3908.6	3854.3	3864.2	3875.7	3892.2	3931.7	3989.2
27.5°	4303.4	4311.7	4194.9	4007.3	3925.1	3941.5	3958.0	3946.5	3964.6	4013.9
30°	4553.5	4558.4	4410.4	4162.0	4045.2	4053.4	4056.7	4009.0	3974.4	4013.9
32.5°	4849.6	4848.0	4671.9	4349.5	4181.7	4173.5	4145.5	4051.8	3971.1	4005.7
35°	5308.6	5290.5	5063.5	4612.7	4336.3	4285.3	4219.5	4099.5	3987.6	3997.5
37.5°	6068.6	6012.6	5698.4	5043.7	4566.6	4436.7	4339.6	4176.8	4023.8	3994.2
40°	6925.6	6854.9	6509.5	5634.3	4912.1	4703.2	4546.9	4287.0	4083.0	4009.0
42.5°	7942.3	7841.9	7470.2	6330.1	5349.7	5047.0	4811.8	4426.8	4170.2	4056.7
45°	9190.9	9057.6	8531.2	7114.8	5900.8	5497.7	5183.5	4639.0	4303.4	4148.8
47.5°	10452.6	10485.5	9737.0	8013.0	6562.1	6053.8	5649.1	4958.2	4497.6	4296.9
50°	11793.3	11816.4	10936.3	9008.3	7312.2	6682.2	6172.2	5315.1	4767.3	4507.4
52.5°	12839.6	12842.9	12025.3	10049.6	8093.6	7373.1	6736.5	5723.1	5079.9	4787.1
55°	13494.3	13486.1	12788.6	11035.0	8991.8	8098.6	7361.6	6187.0	5461.6	5116.1
57.5°	13969.7	13945.1	13315.0	11882.2	9949.2	8955.6	8069.0	6713.4	5912.3	5507.6
60°	14150.7	14135.9	13672.0	12614.2	10956.0	9903.2	8884.9	7302.4	6423.9	5969.9
62.5°	14219.8	14247.8	14022.4	13323.2	12033.5	10952.7	9781.4	8006.4	6999.7	6493.0
65°	14463.3	14514.2	14468.2	14251.0	13250.9	12181.6	10970.8	8843.8	7628.1	7054.0
67.5°	14945.3	14996.2	15016.0	15361.4	14738.0	13713.1	12454.6	9886.7	8363.4	7636.3
70°	14933.7	14918.9	15267.7	16244.8	16600.2	15833.6	14455.0	11169.9	9240.2	8120.0
72.5°	13593.0	13474.6	14298.7	16235.0	18149.8	18047.8	16897.9	12824.8	9996.9	8179.2
75°	10197.6	9881.8	11337.7	14631.0	18408.1	19304.6	18450.8	13851.3	9817.6	7226.7
77.5°	4361.0	4043.5	5759.3	10831.0	16475.1	18046.2	17026.2	12084.5	7837.0	4778.9
80°	1141.7	1140.0	1740.5	4910.5	11204.4	13326.5	11691.3	7804.1	4477.8	1707.6
82.5°	472.1	460.6	639.9	1909.9	5474.7	7478.4	6103.1	3480.9	1617.1	462.3
85°	176.0	174.4	310.9	659.7	1931.3	3084.5	2232.3	890.0	403.0	225.4
87.5°	49.4	47.7	67.4	228.7	470.5	714.0	381.7	146.4	113.5	88.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942062
 CATALOG NUMBER: GALN-SB5D-927-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3546.7	0°	3546.7	3546.7	3546.7	3546.7	3546.7	3546.7	3546.7	3546.7	3546.7	3546.7
3553.3	2.5°	3558.2	3566.5	3581.3	3592.8	3607.6	3624.0	3647.1	3661.9	3676.7	3686.5
3561.5	5°	3573.0	3591.1	3629.0	3666.8	3711.2	3752.4	3800.1	3834.6	3862.6	3870.8
3591.1	7.5°	3605.9	3635.6	3699.7	3763.9	3834.6	3902.1	3971.1	4030.4	4078.1	4096.2
3643.8	10°	3663.5	3703.0	3793.5	3884.0	3977.7	4081.4	4170.2	4255.7	4323.2	4351.1
3706.3	12.5°	3735.9	3785.3	3903.7	4028.7	4158.7	4301.8	4417.0	4522.2	4606.1	4644.0
3793.5	15°	3829.7	3893.8	4045.2	4213.0	4403.8	4602.8	4749.3	4866.0	4959.8	5005.9
3884.0	17.5°	3931.7	4017.2	4208.0	4461.4	4734.4	4996.0	5167.1	5252.6	5349.7	5394.1
3967.9	20°	4030.4	4135.6	4408.7	4777.2	5140.8	5418.8	5557.0	5580.0	5586.6	5591.5
4046.8	22.5°	4132.4	4273.8	4660.4	5175.3	5565.2	5757.7	5777.4	5678.7	5540.5	5476.4
4124.1	25°	4244.2	4431.8	4989.4	5614.5	5930.4	5953.4	5802.1	5561.9	5300.3	5180.3
4186.6	27.5°	4352.8	4614.4	5384.2	6034.0	6193.6	5991.3	5665.5	5325.0	5009.2	4882.5
4231.1	30°	4461.4	4823.3	5820.2	6400.9	6313.7	5897.5	5450.0	5070.0	4752.5	4619.3
4270.5	32.5°	4571.6	5066.7	6321.9	6665.7	6292.3	5698.4	5181.9	4783.8	4504.1	4364.3
4305.1	35°	4696.6	5366.1	6797.3	6810.5	6149.2	5405.6	4828.2	4441.6	4198.2	4086.3
4346.2	37.5°	4859.5	5746.1	7216.8	6846.7	5899.1	4976.3	4389.0	4036.9	3836.2	3785.3
4407.1	40°	5061.8	6203.5	7537.6	6789.1	5529.0	4454.8	3908.6	3627.3	3513.8	3525.3
4489.3	42.5°	5325.0	6715.1	7763.0	6641.1	5014.1	3916.9	3487.5	3362.5	3416.8	3462.8
4612.7	45°	5667.2	7246.4	7902.8	6389.4	4431.8	3461.2	3239.1	3268.7	3309.8	3314.8
4811.8	47.5°	6104.8	7784.4	7994.9	6009.4	3837.9	3140.4	3081.2	3087.8	3079.5	3045.0
5109.5	50°	6650.9	8307.5	8077.2	5506.0	3332.9	2939.7	2860.7	2837.7	2724.2	2612.3
5506.0	52.5°	7272.8	8787.8	8111.7	4880.9	2939.7	2771.9	2643.6	2498.8	2286.6	2252.1
6004.4	55°	7963.7	9232.0	8022.9	4112.6	2609.0	2556.4	2362.3	2187.9	2164.9	2135.3
6660.8	57.5°	8789.5	9710.7	7841.9	3255.5	2270.2	2304.7	2115.5	2135.3	2094.1	2048.1
7504.7	60°	9692.6	10205.9	7524.4	2474.2	1919.8	1990.5	2051.4	2049.7	2038.2	2000.4
8394.7	62.5°	10505.3	10531.6	6899.3	1895.1	1612.1	1747.0	1913.2	1911.5	1901.7	1880.3
9324.1	65°	10988.9	10482.2	5856.4	1492.1	1358.8	1546.3	1725.7	1738.8	1740.5	1738.8
10023.3	67.5°	10903.4	9904.8	4425.2	1187.7	1149.9	1342.4	1539.8	1557.9	1571.0	1574.3
10112.1	70°	9936.1	8636.5	2885.4	947.5	964.0	1163.0	1363.7	1381.8	1393.4	1406.5
8774.7	72.5°	7744.9	6349.9	1651.6	766.6	801.1	1008.4	1189.4	1210.8	1217.3	1242.0
6106.4	75°	4719.6	3734.3	891.6	603.7	658.0	862.0	1016.6	1041.3	1052.8	1082.4
2998.9	77.5°	2243.8	1617.1	508.3	470.5	529.7	704.1	858.7	886.7	855.4	871.9
827.5	80°	758.4	600.4	320.8	358.6	404.7	549.4	687.6	715.6	649.8	646.5
274.7	82.5°	264.9	243.5	204.0	238.5	261.6	393.2	519.8	556.0	483.6	482.0
123.4	85°	103.6	98.7	113.5	130.0	156.3	241.8	342.2	360.3	297.8	240.2
36.2	87.5°	21.4	23.0	28.0	29.6	47.7	83.9	123.4	151.3	120.1	102.0
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>
3546.7
3680.0
3874.1
4097.8
4352.8
4644.0
5002.6
5392.5
5604.7
5494.5
5198.3
4897.3
4634.1
4382.4
4111.0
3821.4
3564.8
3505.6
3347.7
3071.3
2627.1
2263.6
2140.2
2039.9
1987.2
1872.1
1738.8
1577.6
1413.1
1251.9
<i>1085.7</i>
858.7
639.9
459.0
236.9
93.8
0.0

F REPORT)