

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: P955086

Luminaire Tested: **GALN-SB8A-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8A-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21579 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

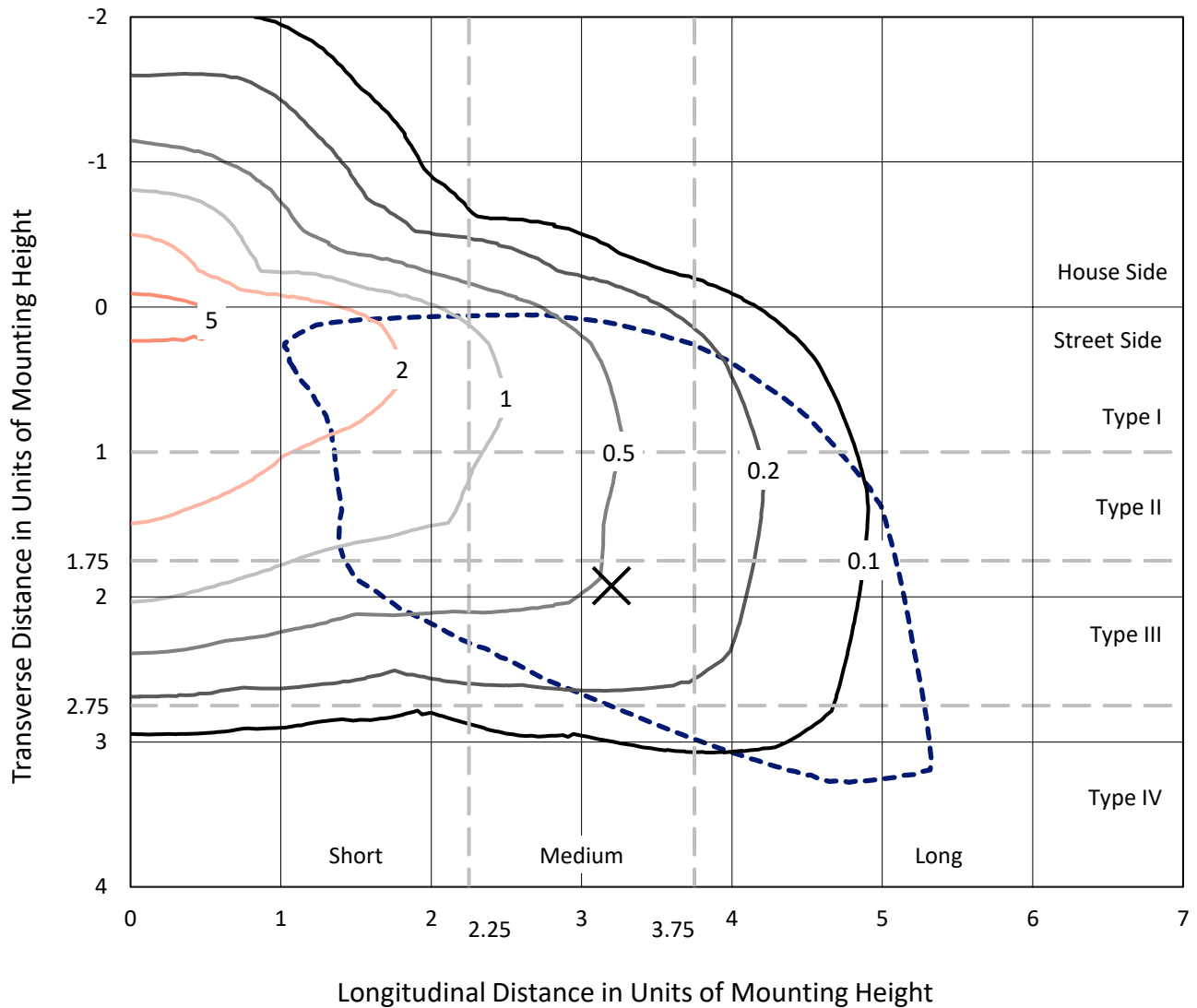
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955086
 CATALOG NUMBER: GALN-SB8A-927-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

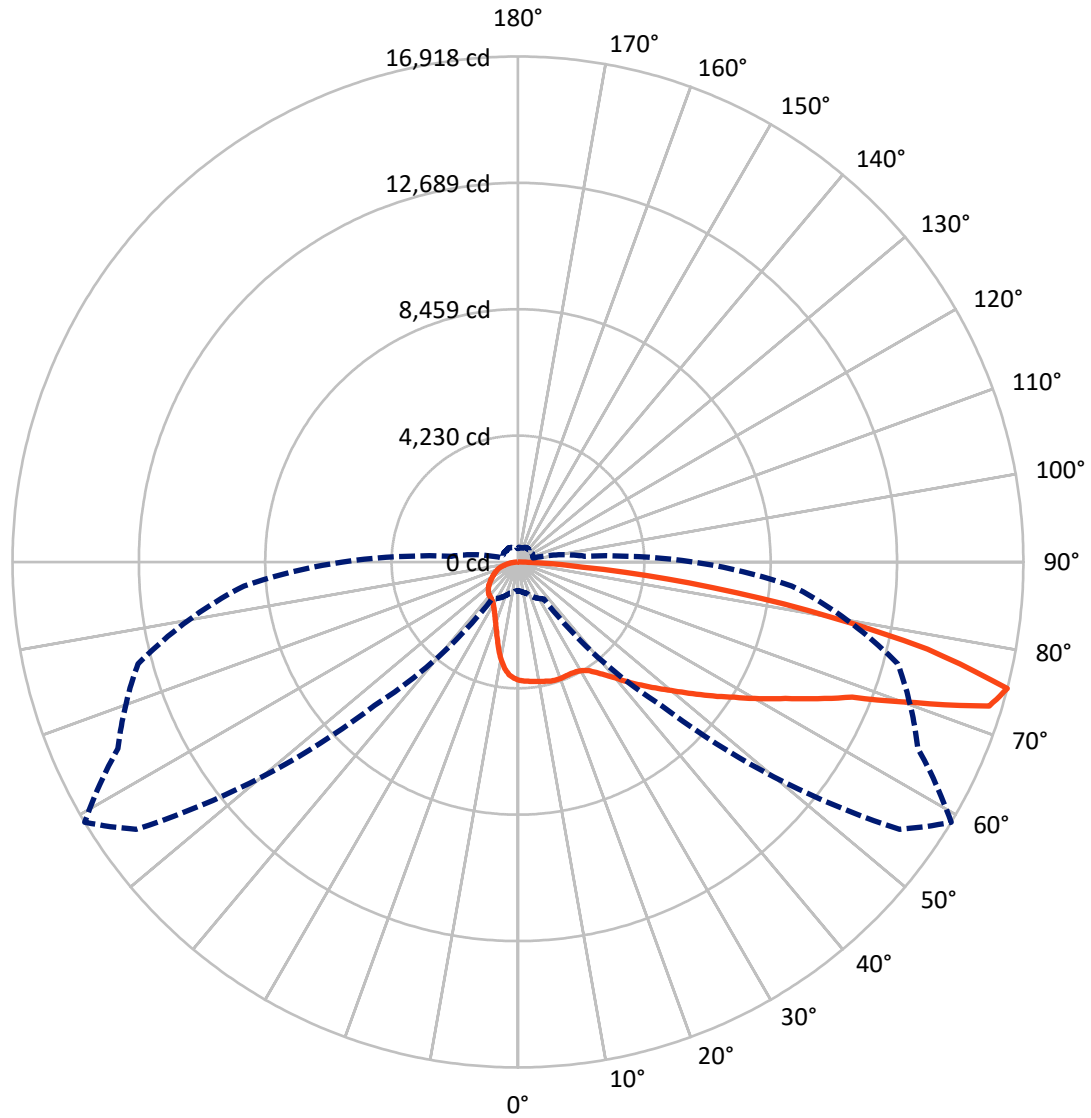
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Medium - N/A

REPORT NUMBER: P955086
CATALOG NUMBER: GALN-SB8A-927-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P955086
 CATALOG NUMBER: GALN-SB8A-927-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4047.3	0.0	4047.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	17531.7	0.0	17531.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	21579.0	0.0	21579.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.1	1.6
10°-20°	907.8	4.2
20°-30°	1378.9	6.4
30°-40°	2049.6	9.5
40°-50°	3048.1	14.1
50°-60°	4137.5	19.2
60°-70°	5051.2	23.4
70°-80°	3964.1	18.4
80°-90°	686.7	3.2
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°	21579.0	100.0
0°-180°	21579.0	100.0

Coefficient of Utilization



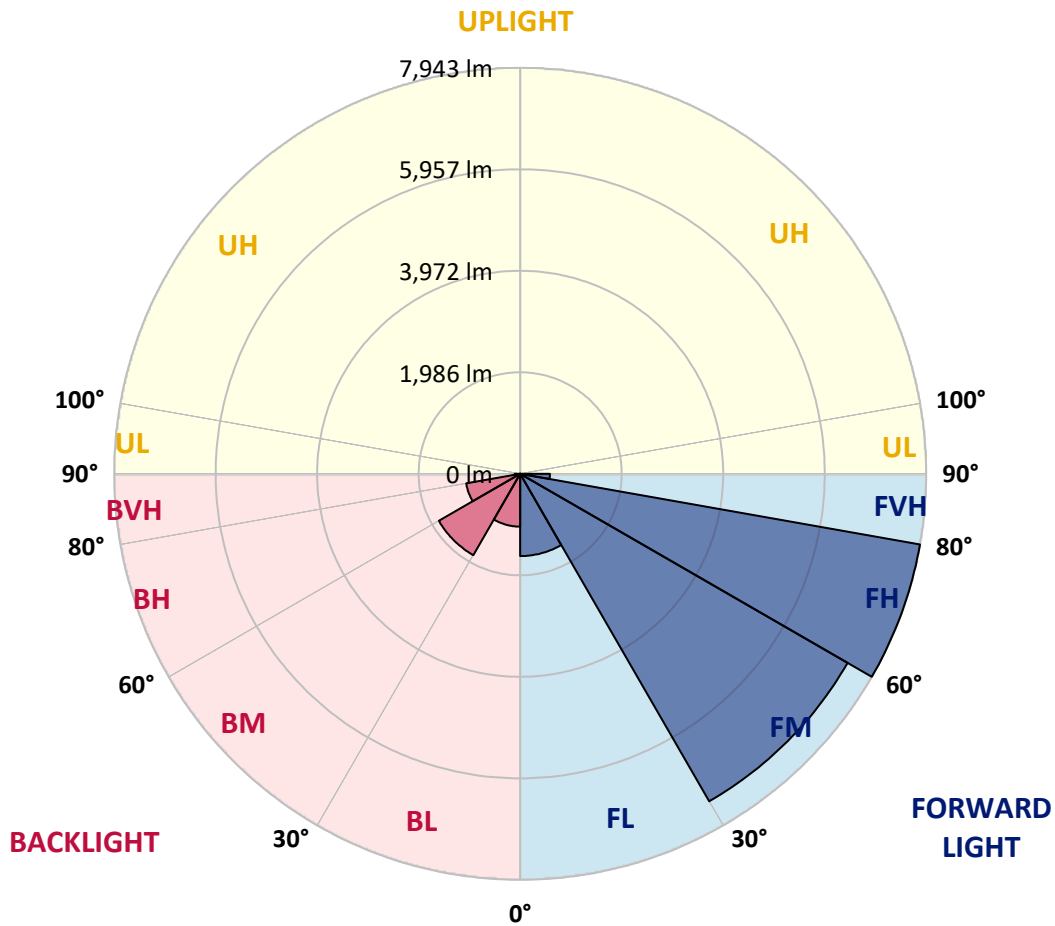
REPORT NUMBER: P955086
 CATALOG NUMBER: GALN-SB8A-927-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1609.0	7.5			
FM (30°-60°)	7398.2	34.3			
FH (60°-80°)	7943.0	36.8			G4/12000
FVH (80°-90°)	581.6	2.7			G4/750
BL (0°-30°)	1032.8	4.8	B3/2500		
BM (30°-60°)	1837.1	8.5	B2/2500		
BH (60°-80°)	1072.3	5.0	B3/2500		G3/2500
BVH (80°-90°)	105.1	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 IV Medium



REPORT NUMBER: P955086
 CATALOG NUMBER: GALN-SB8A-927-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	3960.8	3960.8	3960.8	3960.8	3960.8	3960.8	3960.8	3960.8	3960.8	3960.8
2.5°	3994.4	3980.5	3994.4	3988.6	3986.3	3981.7	3982.8	3991.0	3986.3	3992.1
5°	3967.7	3959.6	3973.5	3970.1	3985.2	3987.5	4002.6	4011.9	4017.7	4018.8
7.5°	3923.6	3915.5	3935.2	3951.5	3984.0	3993.3	4024.6	4039.7	4047.8	4061.8
10°	3762.3	3758.8	3807.5	3869.1	3945.7	3993.3	4040.9	4066.4	4079.2	4116.3
12.5°	3476.7	3481.4	3545.2	3663.6	3816.8	3970.1	4059.4	4096.6	4116.3	4162.8
15°	3203.9	3202.8	3272.4	3398.9	3613.7	3867.9	4068.7	4132.6	4166.2	4234.7
17.5°	3046.0	3041.4	3090.1	3186.5	3386.2	3711.2	4045.5	4152.3	4224.3	4310.2
20°	3017.0	3007.7	3033.3	3080.9	3222.5	3539.4	3985.2	4152.3	4270.7	4382.2
22.5°	3122.7	3107.6	3097.1	3091.3	3154.0	3397.8	3916.7	4138.4	4339.2	4485.5
25°	3335.1	3311.9	3258.5	3206.2	3187.7	3333.9	3856.3	4134.9	4441.4	4624.8
27.5°	3678.7	3649.7	3541.7	3416.3	3303.7	3366.4	3829.6	4155.8	4554.0	4772.2
30°	4104.7	4073.4	3937.6	3744.9	3542.9	3487.2	3863.3	4217.3	4697.9	4968.4
32.5°	4486.6	4451.8	4335.7	4139.5	3866.7	3696.1	3970.1	4334.6	4924.3	5241.2
35°	4825.6	4785.0	4680.5	4499.4	4263.8	3989.8	4162.8	4542.4	5245.8	5684.6
37.5°	5157.6	5110.0	4996.2	4804.7	4639.9	4381.0	4428.6	4809.3	5673.0	6223.2
40°	5529.1	5460.6	5322.4	5133.2	4973.0	4839.5	4778.0	5136.7	6107.2	6824.6
42.5°	5888.9	5823.9	5659.1	5497.7	5296.9	5258.6	5183.1	5519.8	6581.9	7485.1
45°	6276.6	6198.9	5999.2	5794.9	5668.4	5537.2	5575.5	5902.9	7047.4	8158.4
47.5°	6640.0	6552.9	6317.3	6089.8	6020.1	5771.7	5935.4	6324.2	7531.5	8840.9
50°	6836.2	6750.3	6554.1	6348.6	6294.1	6060.7	6325.4	6787.4	8038.8	9521.2
52.5°	6999.8	6907.0	6650.4	6536.7	6520.4	6375.3	6806.0	7316.8	8546.1	10122.5
55°	7174.0	7070.7	6743.3	6641.2	6715.4	6728.2	7376.0	7916.9	9082.4	10708.7
57.5°	7374.8	7243.6	6832.7	6729.4	6905.8	7141.5	8030.7	8539.1	9609.4	11252.0
60°	7564.0	7431.7	7004.5	6869.8	7111.3	7620.9	8781.7	9292.5	10206.1	11736.1
62.5°	7601.2	7492.0	7141.5	7140.3	7389.9	8180.4	9670.9	10052.9	10727.3	12214.3
65°	6958.1	6889.6	6681.8	7129.9	7789.2	8986.0	10661.1	11025.6	11390.1	12632.2
67.5°	5295.7	5305.0	5289.9	6154.8	7466.5	10143.4	12094.8	12066.9	12208.5	13101.2
70°	2421.5	2476.1	2831.3	4248.7	5981.8	10276.9	14465.2	14104.2	13235.9	13708.3
72.5°	1308.3	1350.1	1495.2	2058.2	3596.3	9137.0	16236.6	16493.2	14602.2	14116.9
75°	960.0	983.2	1084.2	1308.3	1510.2	6790.9	15601.7	16918.0	14772.8	13163.9
77.5°	718.6	729.0	811.4	1036.6	773.1	3580.0	12466.2	14011.3	12646.2	10815.5
80°	521.2	532.8	594.3	777.8	542.1	1309.4	8560.0	9834.6	8661.0	6894.2
82.5°	359.9	364.5	391.2	529.3	378.4	508.4	4856.9	5767.0	4834.9	2419.2
85°	217.1	222.9	234.5	308.8	214.8	241.5	2096.5	2168.4	1445.2	578.1
87.5°	89.4	95.2	104.5	130.0	84.7	67.3	345.9	434.2	270.5	169.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955086
 CATALOG NUMBER: GALN-SB8A-927-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3960.8	0°	3960.8	3960.8	3960.8	3960.8	3960.8	3960.8	3960.8	3960.8	3960.8	3960.8
3972.4	2.5°	3966.6	3958.5	3936.4	3906.2	3878.4	3843.5	3828.4	3815.7	3804.1	3782.0
4003.7	5°	3991.0	3968.9	3909.7	3833.1	3746.0	3650.8	3558.0	3494.1	3439.6	3398.9
4039.7	7.5°	4028.1	3986.3	3878.4	3721.6	3522.0	3317.7	3133.1	3001.9	2903.3	2867.3
4090.8	10°	4066.4	4016.5	3828.4	3552.2	3207.4	2892.8	2647.9	2513.2	2434.3	2408.7
4151.2	12.5°	4111.7	4038.6	3750.7	3316.5	2855.7	2510.9	2297.3	2218.4	2177.7	2163.8
4225.4	15°	4177.9	4057.1	3633.4	3021.7	2520.2	2232.3	2094.2	2039.6	2018.7	2017.5
4302.1	17.5°	4227.8	4060.6	3451.2	2705.9	2262.5	2064.0	1950.2	1929.3	1943.2	1964.1
4377.5	20°	4283.5	4029.3	3212.0	2418.0	2081.4	1916.5	1868.9	1882.9	1916.5	1946.7
4477.4	22.5°	4323.0	3972.4	2923.0	2194.0	1924.7	1831.8	1829.5	1858.5	1877.1	1892.2
4594.6	25°	4357.8	3876.0	2616.5	2005.9	1795.8	1780.7	1806.3	1797.0	1784.2	1797.0
4711.8	27.5°	4383.3	3724.0	2342.6	1841.1	1705.3	1745.9	1730.8	1709.9	1708.8	1715.7
4850.0	30°	4375.2	3520.8	2117.4	1684.4	1641.4	1680.9	1644.9	1641.4	1637.9	1641.4
5057.8	32.5°	4375.2	3289.8	1944.4	1576.4	1600.8	1585.7	1582.2	1574.1	1560.2	1559.0
5339.9	35°	4399.6	3058.8	1795.8	1518.4	1567.1	1531.1	1533.5	1513.7	1484.7	1470.8
5713.6	37.5°	4449.5	2873.1	1648.4	1490.5	1507.9	1506.8	1497.5	1463.8	1412.7	1368.6
6180.3	40°	4570.2	2818.5	1547.4	1477.7	1480.1	1494.0	1469.6	1404.6	1288.5	1216.6
6653.9	42.5°	4759.4	2910.2	1525.3	1446.4	1461.5	1475.4	1427.8	1276.9	1194.5	1151.6
7150.8	45°	4999.7	3070.4	1572.9	1401.1	1417.4	1441.8	1300.1	1228.2	1191.0	1192.2
7643.0	47.5°	5303.9	3238.7	1661.2	1361.7	1353.5	1367.5	1215.4	1171.3	1120.2	1133.0
8115.4	50°	5655.6	3409.4	1744.7	1308.3	1282.7	1237.5	1160.8	1119.0	1054.0	1023.9
8571.6	52.5°	6036.4	3574.2	1778.4	1243.3	1206.1	1153.9	1123.7	1072.6	993.7	943.8
9002.3	55°	6397.4	3724.0	1741.3	1165.5	1129.5	1088.9	1084.2	1052.9	968.1	898.5
9385.4	57.5°	6738.7	3849.3	1648.4	1086.5	1051.7	1027.3	1058.7	1043.6	936.8	847.4
9747.6	60°	7027.7	3935.2	1513.7	1006.4	982.1	969.3	1016.9	1012.3	892.7	792.9
10072.6	62.5°	7257.6	3968.9	1365.1	929.8	924.0	900.8	958.9	958.9	837.0	739.5
10358.2	65°	7437.5	3936.4	1214.2	854.4	866.0	831.2	888.0	881.1	777.8	691.9
10686.7	67.5°	7596.5	3829.6	1047.1	780.1	806.8	762.7	813.7	797.5	712.8	644.3
10971.1	70°	7667.3	3581.2	856.7	705.8	738.3	695.3	739.5	709.3	639.6	593.2
10658.8	72.5°	7098.5	2976.4	674.4	628.0	655.9	621.0	659.4	624.5	560.7	539.8
9204.3	75°	5872.7	2233.5	518.9	543.3	564.2	537.5	563.0	537.5	479.4	494.5
6799.0	77.5°	4264.9	1507.9	397.0	453.9	463.2	449.2	471.3	442.3	390.0	386.6
3388.5	80°	2120.9	883.4	311.1	358.7	355.2	345.9	371.5	357.5	313.4	332.0
914.7	82.5°	614.1	378.4	226.4	251.9	244.9	247.3	265.8	272.8	408.6	405.1
284.4	85°	192.7	148.6	135.8	140.5	133.5	137.0	156.7	311.1	287.9	168.3
88.2	87.5°	49.9	51.1	33.7	36.0	37.1	44.1	49.9	189.2	90.5	59.2
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>
3960.8
3771.6
3365.3
2804.6
2369.3
2167.3
2022.2
1972.3
1957.2
1900.3
1805.1
1727.3
1654.2
1574.1
1484.7
1383.7
1225.8
1151.6
1198.0
1165.5
1032.0
942.6
898.5
842.8
789.4
736.0
687.2
639.6
583.9
522.4
451.6
369.1
328.5
414.4
182.3
62.7
0.0

F REPORT)