

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: P942445

Luminaire Tested: **GALN-SB6B-950-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942445
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-SB6B-950-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23537 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

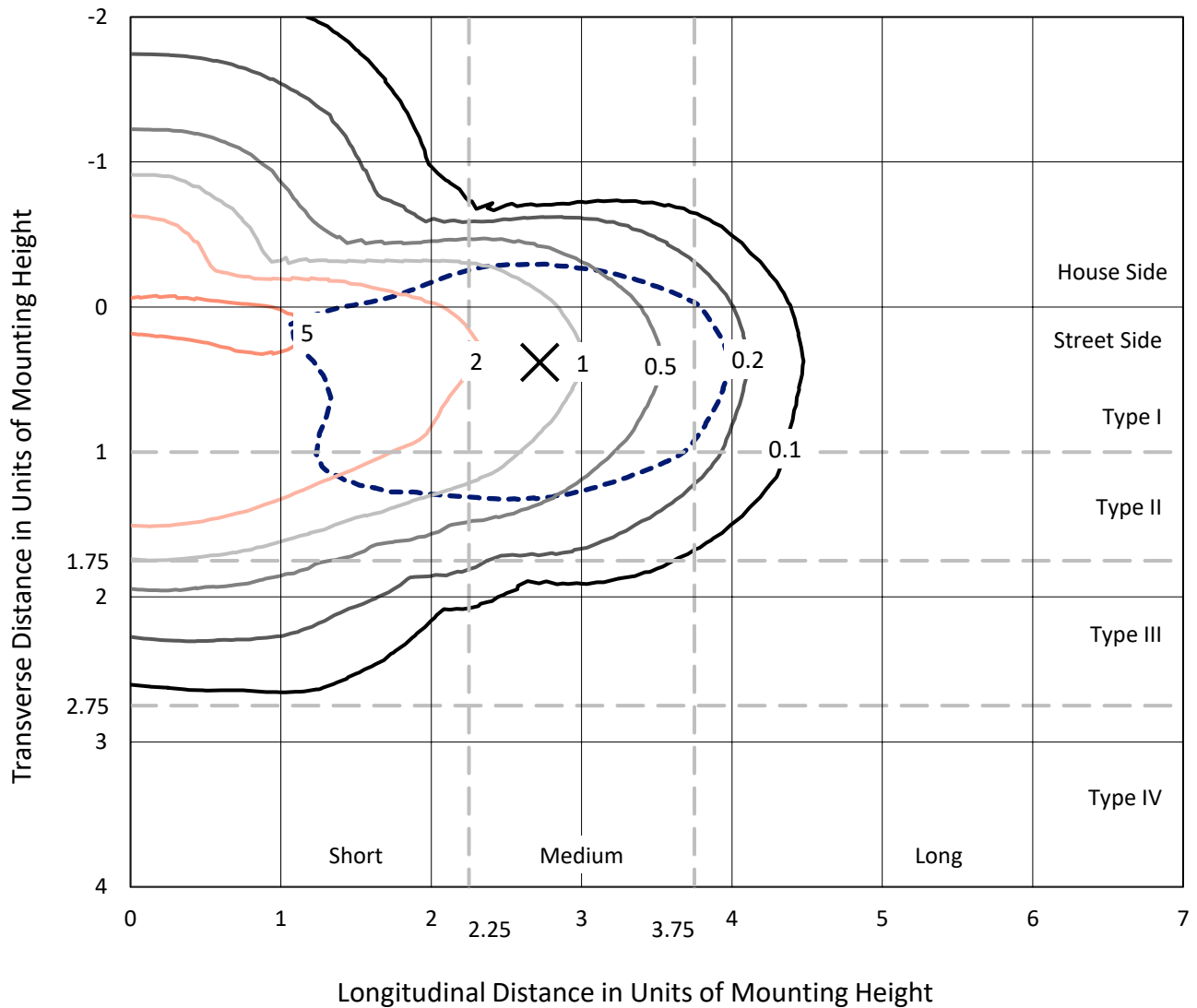
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942445
 CATALOG NUMBER: GALN-SB6B-950-U-T2

Iso-Footcandle Lines of Horizontal Illumination

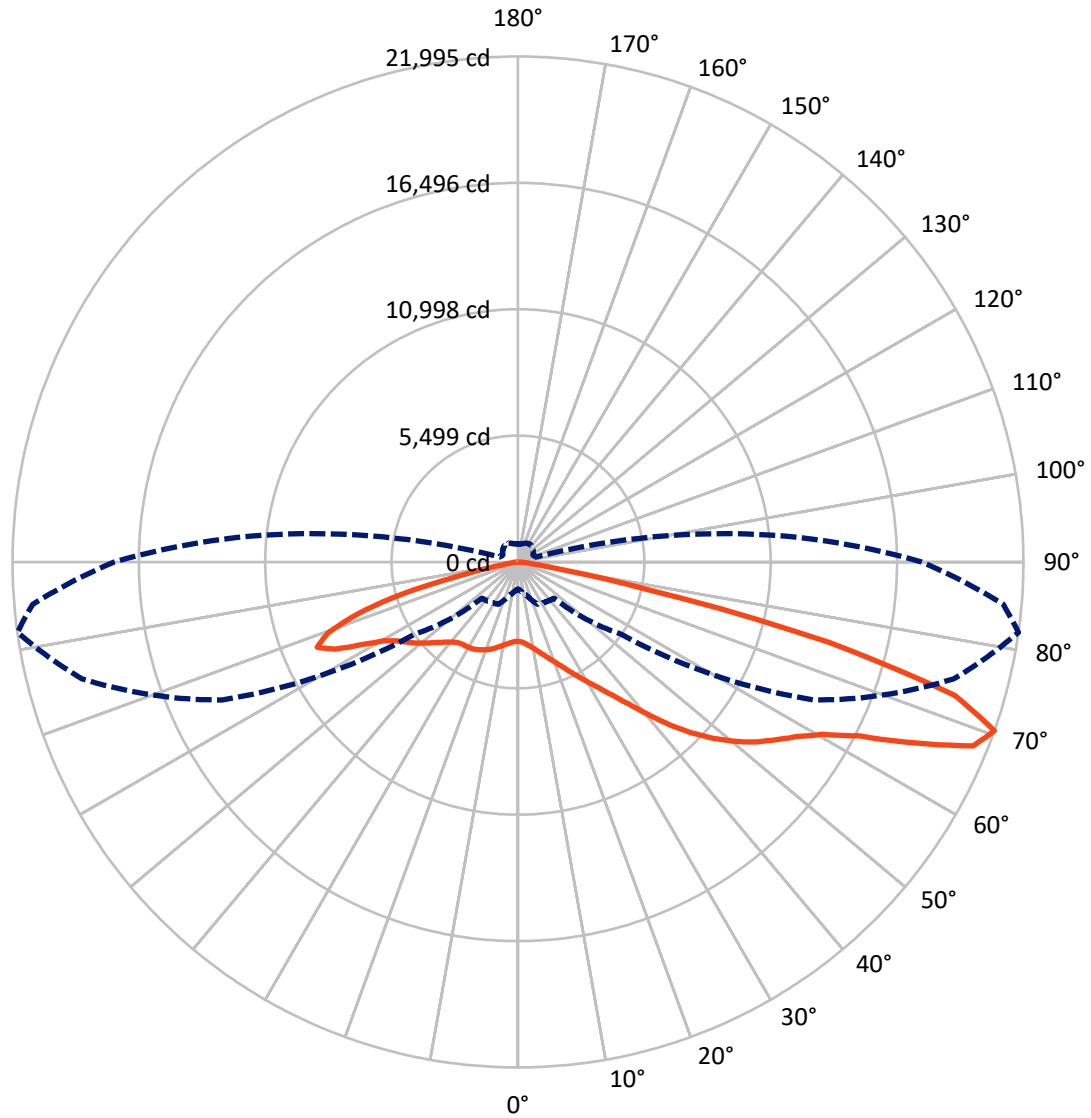
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P942445
CATALOG NUMBER: GALN-SB6B-950-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P942445
 CATALOG NUMBER: GALN-SB6B-950-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5802.5	0.0	5802.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	17734.6	0.0	17734.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	23537.0	0.0	23537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.8	1.4
10°-20°	936.1	4.0
20°-30°	1566.0	6.7
30°-40°	2446.5	10.4
40°-50°	3896.3	16.6
50°-60°	5422.2	23.0
60°-70°	5671.9	24.1
70°-80°	2964.4	12.6
80°-90°	307.8	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°	23537.0	100.0
0°-180°	23537.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942445

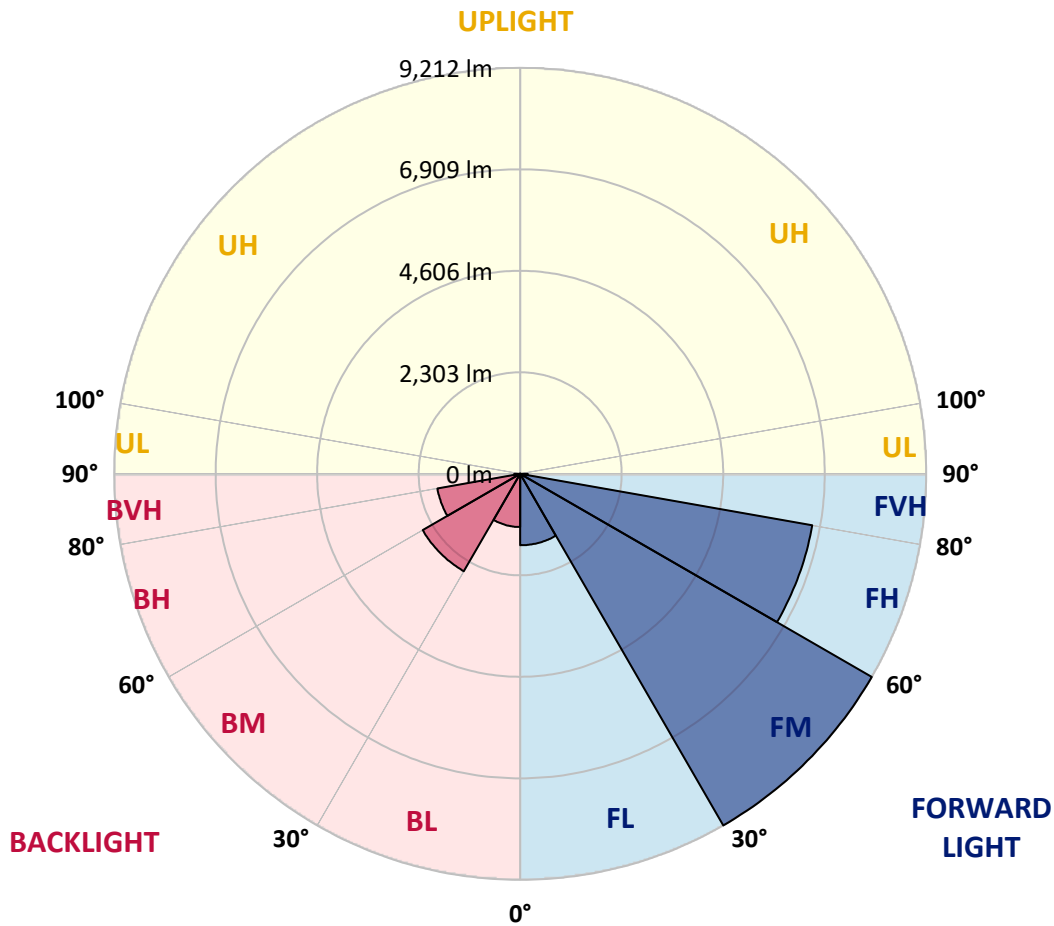
CATALOG NUMBER: GALN-SB6B-950-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1620.8	6.9			
FM (30°-60°)	9212.1	39.1			
FH (60°-80°)	6729.3	28.6			G3/7500
FVH (80°-90°)	172.3	0.7			G2/225
BL (0°-30°)	1207.1	5.1	B3/2500		
BM (30°-60°)	2552.8	10.8	B3/5000		
BH (60°-80°)	1907.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	135.5	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



REPORT NUMBER: P942445

CATALOG NUMBER: GALN-SB6B-950-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8
2.5°	3533.2	3553.2	3547.0	3540.7	3540.7	3532.0	3530.8	3518.3	3508.3	3492.0
5°	3578.2	3599.4	3596.9	3601.9	3618.2	3621.9	3625.7	3618.2	3598.2	3578.2
7.5°	3538.2	3562.0	3569.5	3599.4	3649.4	3694.4	3728.1	3741.8	3723.1	3694.4
10°	3403.4	3429.6	3455.8	3527.0	3615.7	3721.8	3811.8	3865.5	3861.7	3834.2
12.5°	3129.8	3157.3	3213.5	3352.2	3514.5	3701.9	3869.2	3981.6	4020.3	4000.4
15°	2911.3	2935.0	2977.5	3119.8	3330.9	3615.7	3890.4	4109.0	4207.7	4196.4
17.5°	2905.0	2915.0	2941.3	3008.7	3171.1	3480.8	3868.0	4233.9	4422.5	4421.2
20°	3014.9	3018.7	3033.7	3047.4	3139.8	3378.4	3810.5	4337.6	4663.5	4663.5
22.5°	3167.3	3164.8	3179.8	3167.3	3212.3	3369.6	3774.3	4428.7	4932.1	4952.0
25°	3395.9	3383.4	3379.6	3350.9	3359.6	3450.8	3814.3	4532.4	5250.5	5291.8
27.5°	3700.6	3680.6	3666.9	3600.7	3578.2	3618.2	3936.7	4657.3	5605.2	5676.4
30°	4097.8	4061.5	4041.6	3926.7	3845.5	3851.7	4121.5	4823.4	5976.2	6091.1
32.5°	4639.8	4583.6	4529.9	4341.3	4192.7	4144.0	4360.0	5053.2	6378.3	6561.9
35°	5246.8	5201.8	5144.4	4853.4	4624.8	4512.4	4682.3	5374.2	6849.2	7140.2
37.5°	5831.3	5792.6	5820.1	5427.9	5133.1	4969.5	5104.4	5805.1	7429.9	7859.6
40°	6435.8	6405.8	6409.6	6034.9	5691.4	5507.8	5616.5	6345.9	8095.6	8715.1
42.5°	7092.7	7070.2	6995.3	6663.1	6277.2	6106.1	6206.0	6970.3	8810.0	9689.3
45°	7828.3	7814.6	7744.7	7363.7	6921.6	6729.3	6864.2	7659.7	9528.2	10606.0
47.5°	8464.1	8475.3	8466.6	8145.6	7687.2	7405.0	7566.1	8379.1	10196.3	11467.8
50°	8770.0	8828.7	8914.9	8815.0	8530.3	8243.0	8274.2	9073.5	10833.3	12275.8
52.5°	8610.2	8721.3	8956.1	9116.0	9225.9	9166.0	9082.3	9763.0	11432.8	13005.2
55°	8014.4	8170.6	8560.2	8946.2	9506.9	9942.8	10052.7	10527.3	12017.3	13647.2
57.5°	6929.1	7182.6	7532.4	8312.9	9257.1	10318.7	11184.2	11587.7	12636.8	14332.8
60°	5068.2	5407.9	5842.5	7004.1	8382.9	10117.7	12147.2	13216.3	13517.3	15220.8
62.5°	3243.5	3453.3	3853.0	4947.0	6532.0	9087.3	12441.9	15252.0	15009.7	16677.1
65°	2220.6	2355.5	2721.4	3335.9	4222.7	6764.3	11652.6	16778.2	17380.2	18985.1
67.5°	1613.6	1716.0	2028.3	2566.6	2751.4	4002.8	9042.3	16708.3	19684.5	21363.1
70°	1176.5	1248.9	1511.2	2028.3	2117.0	2226.9	5477.8	14202.9	19634.6	21995.1
72.5°	871.8	921.7	1097.8	1573.7	1713.5	1503.7	2711.4	10322.5	16871.9	19894.3
75°	630.7	668.2	798.1	1204.0	1371.3	1145.3	1352.6	6032.4	11768.8	13994.4
77.5°	482.1	510.8	595.7	881.8	1097.8	859.3	839.3	2775.1	5580.3	5607.7
80°	387.2	405.9	452.1	620.7	841.8	643.2	547.0	1120.3	1763.5	1492.5
82.5°	284.8	316.0	382.2	435.9	602.0	443.4	333.5	565.8	670.7	577.0
85°	162.4	183.6	231.1	312.2	384.7	271.0	191.1	251.0	312.2	256.0
87.5°	57.5	74.9	81.2	122.4	167.4	112.4	73.7	72.4	102.4	76.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942445
 CATALOG NUMBER: GALN-SB6B-950-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3450.8	0°	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8	3450.8
3488.3	2.5°	3475.8	3469.6	3444.6	3410.9	3375.9	3342.2	3330.9	3307.2	3291.0	3282.2
3569.5	5°	3545.7	3525.8	3467.1	3392.1	3313.4	3228.5	3168.6	3113.6	3073.6	3036.2
3680.6	7.5°	3645.7	3610.7	3509.5	3378.4	3238.5	3097.4	2992.5	2912.5	2858.8	2823.9
3810.5	10°	3761.8	3708.1	3553.2	3357.1	3141.1	2938.8	2815.1	2746.4	2712.7	2694.0
3959.1	12.5°	3895.4	3819.3	3598.2	3308.4	2992.5	2761.4	2676.5	2656.5	2657.7	2659.0
4146.5	15°	4060.3	3954.1	3634.4	3202.3	2798.9	2625.3	2610.3	2642.8	2676.5	2692.7
4358.8	17.5°	4246.4	4096.5	3640.7	3027.4	2609.0	2537.8	2585.3	2655.2	2706.5	2728.9
4596.1	20°	4446.2	4241.4	3595.7	2780.1	2452.9	2466.7	2551.6	2641.5	2697.7	2726.4
4867.1	22.5°	4674.8	4396.3	3488.3	2520.4	2325.5	2389.2	2489.1	2576.6	2635.3	2664.0
5185.6	25°	4935.8	4569.9	3319.7	2301.8	2215.6	2301.8	2401.7	2474.1	2521.6	2547.8
5541.5	27.5°	5225.6	4751.0	3094.9	2128.2	2119.4	2211.9	2294.3	2350.5	2375.5	2395.5
5920.0	30°	5516.6	4915.8	2822.6	1997.1	2035.8	2123.2	2181.9	2206.9	2214.4	2218.1
6342.1	32.5°	5831.3	5058.2	2536.6	1888.4	1955.8	2037.0	2072.0	2083.2	2048.3	2024.5
6854.2	35°	6212.2	5210.6	2256.8	1802.2	1877.2	1947.1	1958.3	1948.3	1907.1	1858.4
7496.1	37.5°	6683.1	5400.4	2033.3	1741.0	1803.5	1849.7	1835.9	1833.4	1837.2	1779.7
8268.0	40°	7260.1	5647.7	1869.7	1693.6	1743.5	1753.5	1714.8	1736.0	1754.8	1667.3
9114.8	42.5°	7900.8	5946.2	1766.0	1661.1	1693.6	1669.8	1609.9	1633.6	1631.1	1516.2
9965.3	45°	8554.0	6270.9	1729.8	1637.4	1647.4	1599.9	1533.7	1539.9	1487.5	1383.8
10780.8	47.5°	9203.4	6619.4	1752.3	1617.4	1589.9	1536.2	1485.0	1457.5	1380.1	1302.6
11562.7	50°	9840.4	6985.3	1834.7	1577.4	1511.2	1480.0	1442.5	1393.8	1311.4	1245.2
12302.0	52.5°	10431.1	7353.8	1927.1	1511.2	1412.6	1431.3	1407.6	1351.4	1270.2	1202.7
13001.5	55°	10990.7	7722.2	1963.3	1420.0	1320.1	1388.8	1375.1	1271.4	1174.0	1119.0
13733.3	57.5°	11600.1	8165.6	1923.4	1303.9	1245.2	1340.1	1287.7	1172.8	1116.6	1075.3
14686.3	60°	12444.4	8861.2	1837.2	1160.3	1174.0	1267.7	1177.7	1130.3	1069.1	1022.9
16115.1	62.5°	13847.0	10158.9	1698.6	1017.9	1090.3	1160.3	1125.3	1077.8	1015.4	970.4
18558.0	65°	15920.2	11962.3	1437.5	906.7	996.7	1055.4	1069.1	1021.6	956.7	909.2
20698.7	67.5°	17668.7	13093.9	1087.8	814.3	900.5	970.4	1009.1	962.9	894.2	848.0
21199.5	70°	17572.6	12272.1	830.5	723.1	815.6	886.7	936.7	900.5	826.8	783.1
19256.1	72.5°	15608.0	10266.3	671.9	630.7	729.4	799.3	859.3	831.8	756.9	714.4
14106.8	75°	11466.5	7287.6	537.0	537.0	622.0	708.1	774.3	756.9	688.2	658.2
5922.5	77.5°	4833.4	3057.4	420.9	445.9	517.1	608.2	690.7	696.9	637.0	674.4
1566.2	80°	1285.2	843.0	321.0	351.0	405.9	502.1	600.7	598.2	533.3	498.3
582.0	82.5°	489.6	332.2	228.6	247.3	293.5	384.7	475.8	490.8	425.9	368.4
228.6	85°	188.6	142.4	141.1	148.6	171.1	254.8	359.7	372.2	321.0	272.3
63.7	87.5°	48.7	42.5	52.5	50.0	78.7	136.1	206.1	213.6	196.1	113.7
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>
3450.8
3292.2
3051.2
2831.3
2699.0
2661.5
2691.5
2733.9
2733.9
2671.5
2555.3
2403.0
2226.9
2032.0
1860.9
1783.5
1669.8
1515.0
1387.6
1302.6
1240.2
1204.0
1114.1
1071.6
1020.4
970.4
911.7
849.3
786.8
714.4
649.4
612.0
463.4
368.4
281.0
162.4
0.0

F REPORT)