

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: P957152

Luminaire Tested: **GALN-SB9C-830-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957152
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-SB9C-830-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62115 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B5 - U0 - G5

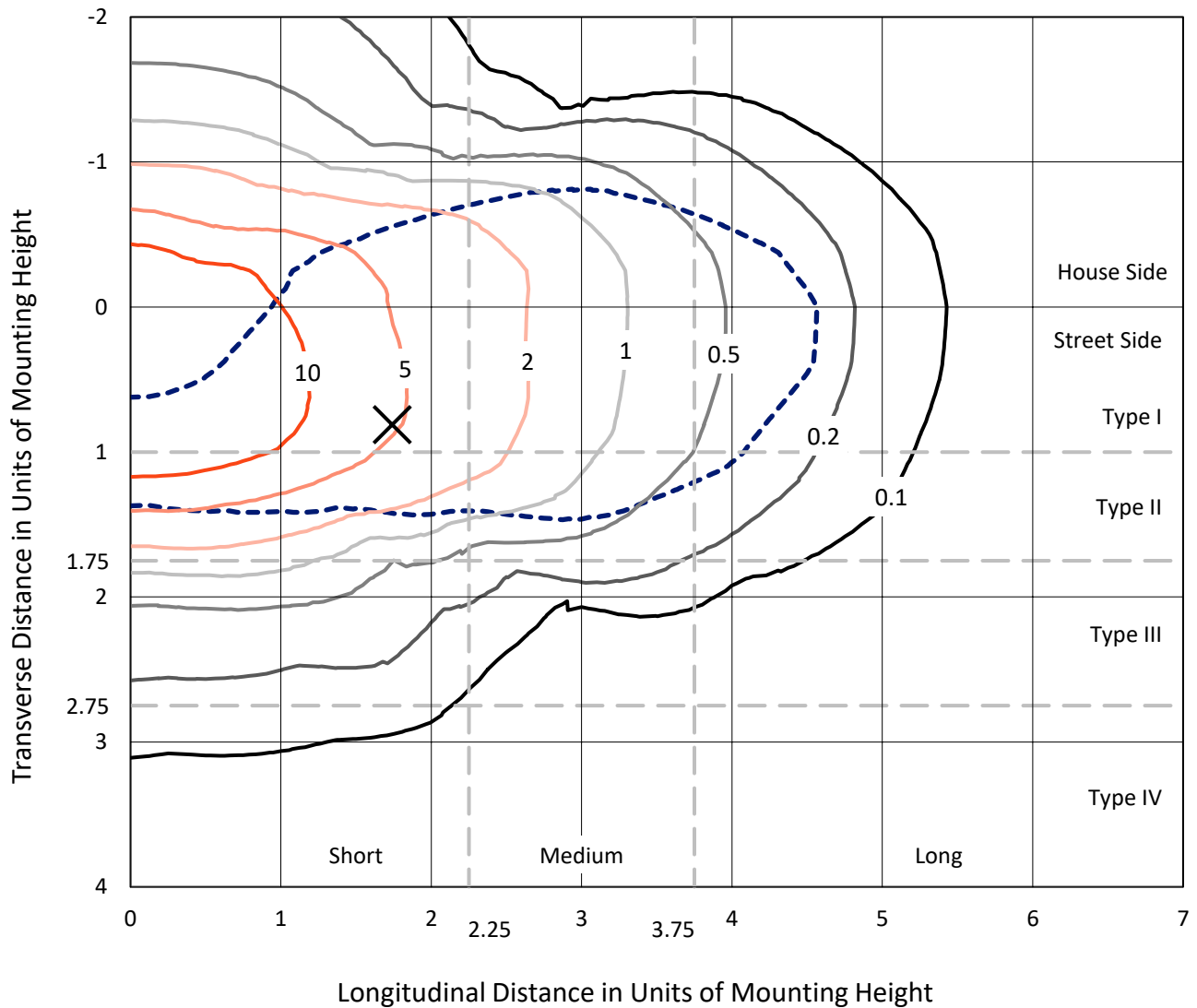
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957152
 CATALOG NUMBER: GALN-SB9C-830-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

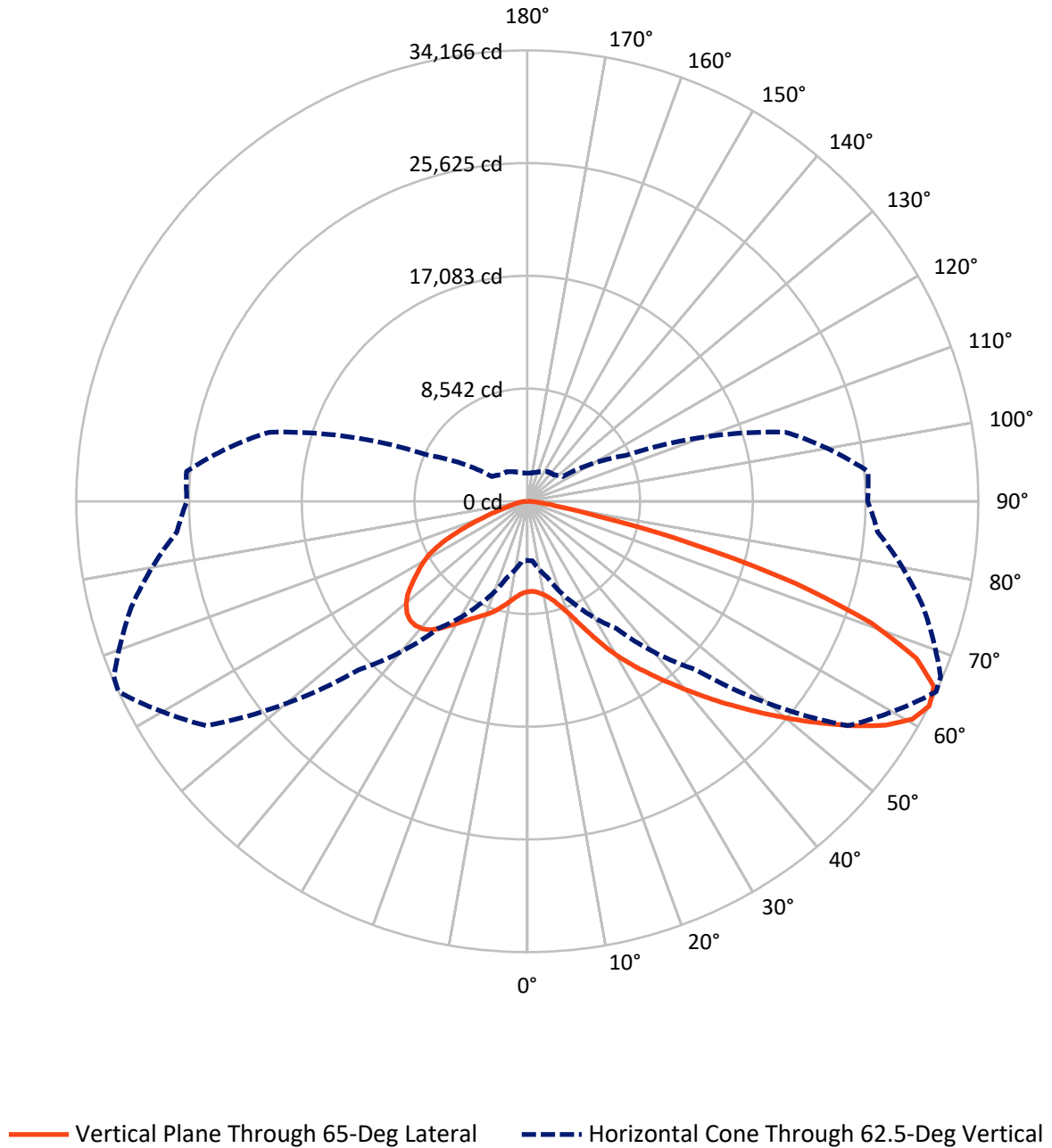
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.4 fc
 Type II - Short - N/A

REPORT NUMBER: P957152
CATALOG NUMBER: GALN-SB9C-830-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P957152
 CATALOG NUMBER: GALN-SB9C-830-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19600.8	0.0	19600.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	42514.2	0.0	42514.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	62115.0	0.0	62115.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	682.4	1.1
10°-20°	2314.1	3.7
20°-30°	4692.2	7.6
30°-40°	8119.7	13.1
40°-50°	12287.7	19.8
50°-60°	14406.5	23.2
60°-70°	12078.1	19.4
70°-80°	6668.1	10.7
80°-90°	866.2	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°	62115.0	100.0
0°-180°	62115.0	100.0

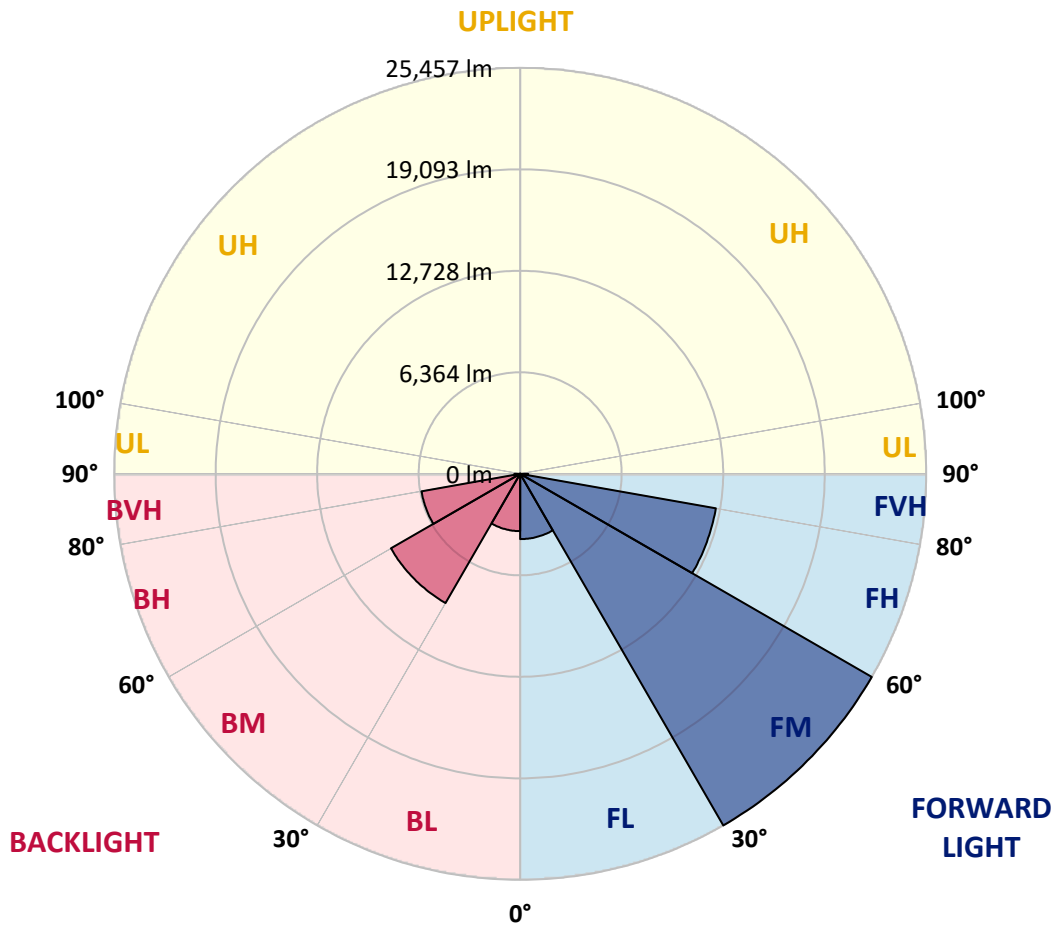


REPORT NUMBER: P957152
 CATALOG NUMBER: GALN-SB9C-830-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4094.2	6.6			
FM (30°-60°)	25456.7	41.0			
FH (60°-80°)	12458.4	20.1			G5
FVH (80°-90°)	504.8	0.8			G4/750
BL (0°-30°)	3594.5	5.8	B4/5000		
BM (30°-60°)	9357.1	15.1	B5		
BH (60°-80°)	6287.8	10.1	B5		G5
BVH (80°-90°)	361.3	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type II Short



REPORT NUMBER: P957152
 CATALOG NUMBER: GALN-SB9C-830-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	6844.8	6844.8	6844.8	6844.8	6844.8	6844.8	6844.8	6844.8	6844.8	6844.8
2.5°	6799.7	6780.4	6796.5	6796.5	6802.9	6799.7	6822.2	6828.7	6838.4	6857.7
5°	6732.0	6728.8	6757.8	6783.6	6809.4	6831.9	6860.9	6902.8	6909.3	6931.8
7.5°	6709.5	6690.1	6735.2	6767.5	6828.7	6883.5	6960.8	7031.7	7060.7	7070.4
10°	6883.5	6851.2	6893.1	6912.5	6964.0	7018.8	7109.1	7221.8	7254.1	7292.7
12.5°	7180.0	7144.5	7205.7	7234.7	7283.1	7331.4	7392.6	7502.2	7518.3	7589.2
15°	7586.0	7544.1	7582.8	7618.2	7698.8	7743.9	7805.1	7911.5	7911.5	7966.3
17.5°	8137.1	8082.3	8111.3	8124.2	8175.7	8243.4	8346.5	8440.0	8488.3	8469.0
20°	8958.8	8891.2	8891.2	8826.7	8807.4	8862.2	8997.5	9126.4	9178.0	9078.1
22.5°	10193.1	10096.4	10041.6	9822.5	9735.5	9741.9	9877.3	10035.2	10077.1	9899.8
25°	11762.5	11611.0	11536.9	11214.7	11018.1	10847.3	10953.6	11156.6	11214.7	10995.5
27.5°	13331.9	13341.6	13270.7	12884.0	12558.5	12245.9	12191.1	12403.8	12465.0	12216.9
30°	15532.9	15304.1	15168.8	14704.7	14240.7	13802.4	13576.8	13663.8	13679.9	13383.5
32.5°	17431.0	17373.0	17083.0	16677.0	16080.8	15394.4	15017.3	14878.7	14853.0	14430.8
35°	19593.4	19561.2	19255.0	18771.6	18127.1	17173.2	16493.3	16096.9	16064.7	15471.7
37.5°	21791.2	21791.2	21491.5	20963.0	20295.9	19103.6	18069.1	17440.7	17337.6	16564.2
40°	23544.3	23438.0	23492.8	23270.4	22506.6	21240.2	19819.0	18907.0	18768.4	17840.3
42.5°	24540.1	24504.7	24833.4	25081.5	24768.9	23757.0	21746.1	20495.7	20302.4	19245.4
45°	24762.5	24723.8	25310.3	26219.1	26657.4	26241.6	23840.8	22168.3	21933.0	20714.9
47.5°	24250.1	24172.7	25033.2	26467.2	27872.3	28603.8	26109.5	23982.6	23641.0	22145.7
50°	22709.7	22635.5	23937.5	25842.0	28281.5	30208.7	28571.6	25906.5	25384.4	23679.7
52.5°	19361.4	19396.8	21436.7	24053.5	27743.4	31207.7	30692.0	27933.5	27305.1	25249.1
55°	15081.8	15159.1	17666.3	20547.3	25590.7	31056.2	32139.0	30021.7	29396.6	26725.0
57.5°	10798.9	11140.5	13489.8	16341.8	21456.1	28655.4	32454.8	32006.9	31401.0	28336.3
60°	6999.5	7060.7	9477.7	12352.2	16338.6	24388.6	31813.5	33511.8	33038.1	29979.9
62.5°	4485.9	4527.8	6000.5	8639.8	11759.3	18043.3	29654.4	34166.0	34021.0	31065.9
65°	3296.7	3264.5	4031.5	5710.4	7921.2	11127.6	25461.8	33850.2	34137.0	31745.8
67.5°	2752.1	2707.0	3084.0	3954.1	5836.1	6319.5	18839.3	31797.4	32848.0	31668.5
70°	2507.2	2468.5	2697.3	2935.8	4553.5	4231.3	9497.0	27643.5	29261.2	30788.7
72.5°	2123.7	2056.0	2368.6	2607.1	3541.6	3245.2	3925.1	21233.7	23205.9	27969.0
75°	1646.7	1601.6	1869.1	2294.5	2661.9	2533.0	2481.4	12893.6	15046.3	21630.1
77.5°	1305.2	1243.9	1488.8	1788.5	2394.4	1911.0	1807.9	5552.5	7685.9	13808.8
80°	982.9	928.1	1131.1	1414.7	1840.1	1440.5	1169.8	2265.5	2897.1	6996.3
82.5°	699.3	651.0	789.5	1037.7	1237.5	1292.3	718.6	1269.7	1427.6	2697.3
85°	447.9	418.9	528.5	651.0	786.3	831.4	438.3	663.9	728.3	1111.8
87.5°	244.9	199.8	283.6	302.9	364.2	331.9	209.5	241.7	261.0	402.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P957152
 CATALOG NUMBER: GALN-SB9C-830-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6844.8	0°	6844.8	6844.8	6844.8	6844.8	6844.8	6844.8	6844.8	6844.8	6844.8	6844.8
6857.7	2.5°	6870.6	6880.3	6912.5	6922.1	6944.7	6973.7	6993.0	7012.4	7012.4	7031.7
6960.8	5°	6964.0	6986.6	7054.3	7089.7	7147.7	7205.7	7241.2	7283.1	7308.9	7321.7
7125.2	7.5°	7144.5	7180.0	7276.6	7337.9	7437.8	7518.3	7573.1	7631.1	7644.0	7679.5
7354.0	10°	7389.4	7431.3	7540.9	7656.9	7776.1	7876.0	7927.6	7969.5	7985.6	7992.0
7647.2	12.5°	7669.8	7731.0	7872.8	8014.6	8140.3	8227.3	8240.2	8230.5	8185.4	8146.7
8008.2	15°	8014.6	8069.4	8227.3	8382.0	8504.4	8520.6	8440.0	8388.4	8333.6	8324.0
8411.0	17.5°	8427.1	8456.1	8601.1	8752.6	8762.3	8707.5	8588.2	8539.9	8488.3	8452.9
8936.3	20°	8907.3	8897.6	9000.7	9065.2	8997.5	8829.9	8649.5	8568.9	8517.3	8475.4
9580.8	22.5°	9480.9	9406.8	9393.9	9377.8	9197.3	8846.0	8601.1	8498.0	8417.4	8359.4
10479.9	25°	10315.5	10032.0	9835.4	9725.8	9319.8	8759.0	8446.4	8217.6	8066.2	7966.3
11578.8	27.5°	11359.7	10882.7	10386.4	10119.0	9319.8	8581.8	8072.6	7702.0	7453.9	7350.8
12642.3	30°	12355.5	11855.9	11124.4	10592.7	9297.2	8291.8	7470.0	6954.4	6664.3	6561.2
13551.0	32.5°	13206.2	12661.6	11907.5	11111.5	9242.4	7821.3	6722.3	6151.9	5871.6	5749.1
14450.1	35°	13995.8	13415.7	12693.8	11681.9	9097.4	7131.6	5900.6	5465.5	5152.9	4956.4
15365.4	37.5°	14804.6	14115.0	13438.2	12197.5	8836.4	6326.0	5269.0	4898.4	4531.0	4266.7
16338.6	40°	15684.4	14859.4	14234.2	12503.7	8407.8	5559.0	4779.1	4440.7	4050.8	3770.4
17460.0	42.5°	16712.4	15752.1	15120.4	12661.6	7821.3	5014.4	4460.1	4128.2	3760.8	3532.0
18662.1	45°	17785.5	16735.0	15929.3	12658.4	7167.1	4759.8	4357.0	4028.3	3622.2	3383.7
19896.3	47.5°	18910.2	17763.0	16628.6	12452.1	6599.9	4795.2	4298.9	3812.3	3364.4	3132.4
21143.5	50°	20038.1	18887.7	17305.4	12065.4	6358.2	4717.9	4083.0	3509.4	2980.9	2771.4
22313.3	52.5°	21156.4	20083.2	17888.7	11514.4	6113.3	4431.1	3805.9	3116.3	2823.0	2678.0
23521.8	55°	22281.1	21265.9	18523.5	10711.9	5501.0	4095.9	3341.8	2968.0	2697.3	2565.2
24704.5	57.5°	23409.0	22632.3	19126.1	9909.5	4730.8	3683.4	3087.3	2787.5	2571.6	2458.8
25693.8	60°	24582.0	24195.3	19748.1	9171.5	3970.2	3154.9	2900.3	2642.5	2423.4	2297.7
26644.5	62.5°	25790.5	25916.2	20234.7	8220.9	3270.9	2832.7	2732.8	2468.5	2255.8	2136.6
27430.8	65°	27008.6	27575.8	20553.7	6902.8	2652.2	2526.5	2552.3	2278.4	2062.5	1959.3
28007.6	67.5°	27927.1	28771.4	20463.5	5223.8	2175.3	2236.5	2326.7	2078.6	1875.6	1795.0
27914.2	70°	28030.2	28629.6	19574.1	3577.1	1820.8	1952.9	2075.4	1882.0	1672.5	1614.5
26599.3	72.5°	26657.4	26696.0	17095.9	2336.4	1540.4	1714.4	1811.1	1682.2	1479.2	1421.2
23270.4	75°	23057.7	22078.0	12552.0	1540.4	1289.0	1472.7	1563.0	1472.7	1276.1	1289.0
17411.7	77.5°	17469.7	15636.1	7621.5	1095.7	1076.3	1237.5	1359.9	1295.5	1127.9	1266.5
8755.8	80°	9000.7	8459.3	3399.8	818.5	850.8	989.3	1118.2	1034.5	892.7	850.8
1956.1	82.5°	2062.5	2397.6	1340.6	586.5	615.5	712.2	854.0	776.6	641.3	541.4
815.3	85°	721.9	789.5	593.0	367.4	360.9	444.7	580.1	518.8	435.1	348.0
344.8	87.5°	228.8	299.7	222.4	148.2	154.7	199.8	267.5	244.9	203.0	132.1
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>
6844.8
7031.7
7328.2
7666.6
7975.9
8146.7
8324.0
8456.1
8478.7
8378.8
8004.9
7402.3
6622.4
5810.3
5020.8
4337.6
3825.2
3577.1
3422.4
3164.6
2784.3
2678.0
2552.3
2439.5
2288.0
2133.4
1956.1
1798.2
1617.7
1417.9
1243.9
1115.0
776.6
535.0
367.4
138.6
0.0

F REPORT)