

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: P954735

Luminaire Tested: **GALN-SB7D-927-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7D-927-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44868 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

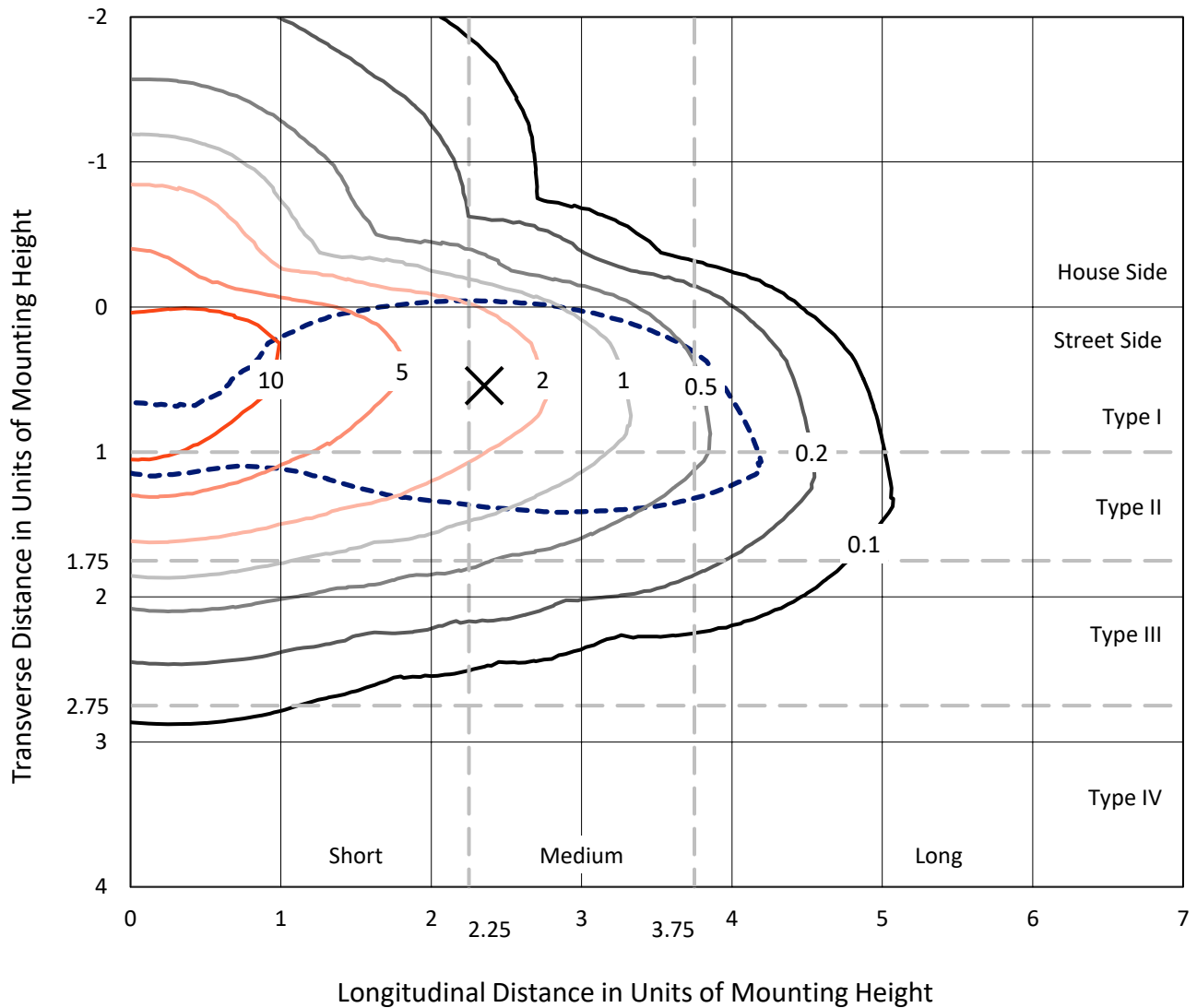
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954735
 CATALOG NUMBER: GALN-SB7D-927-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

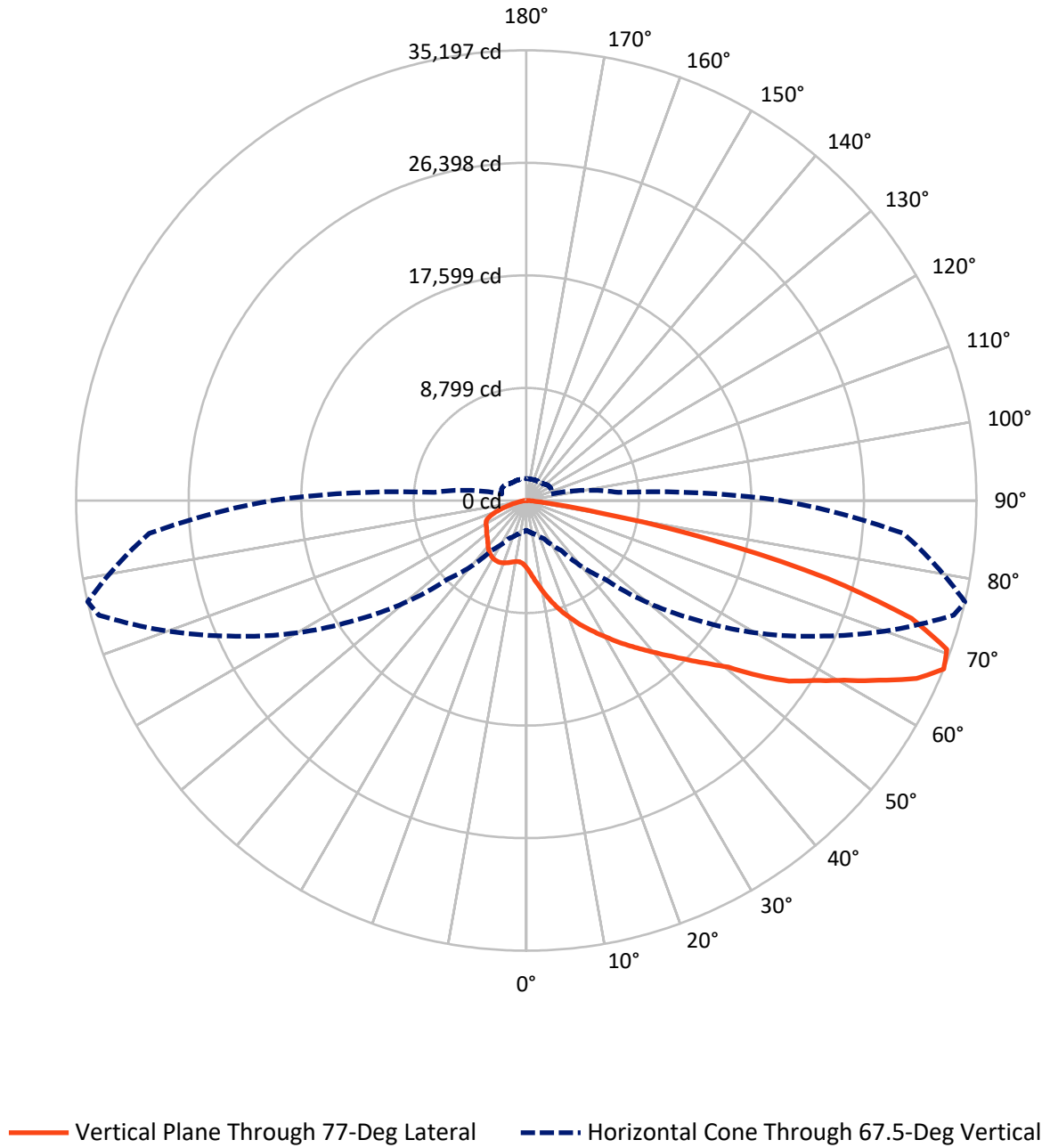
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P954735
CATALOG NUMBER: GALN-SB7D-927-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P954735
 CATALOG NUMBER: GALN-SB7D-927-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8487.2	0.0	8487.2
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	36380.8	0.0	36380.8
	% Fixture	81.1	0.0	81.1
Total	Lumens	44868.0	0.0	44868.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.3	1.3
10°-20°	2027.2	4.5
20°-30°	3827.6	8.5
30°-40°	6166.2	13.7
40°-50°	8434.2	18.8
50°-60°	9513.8	21.2
60°-70°	8879.9	19.8
70°-80°	4867.7	10.8
80°-90°	587.2	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°	44868.0	100.0
0°-180°	44868.0	100.0

Coefficient of Utilization



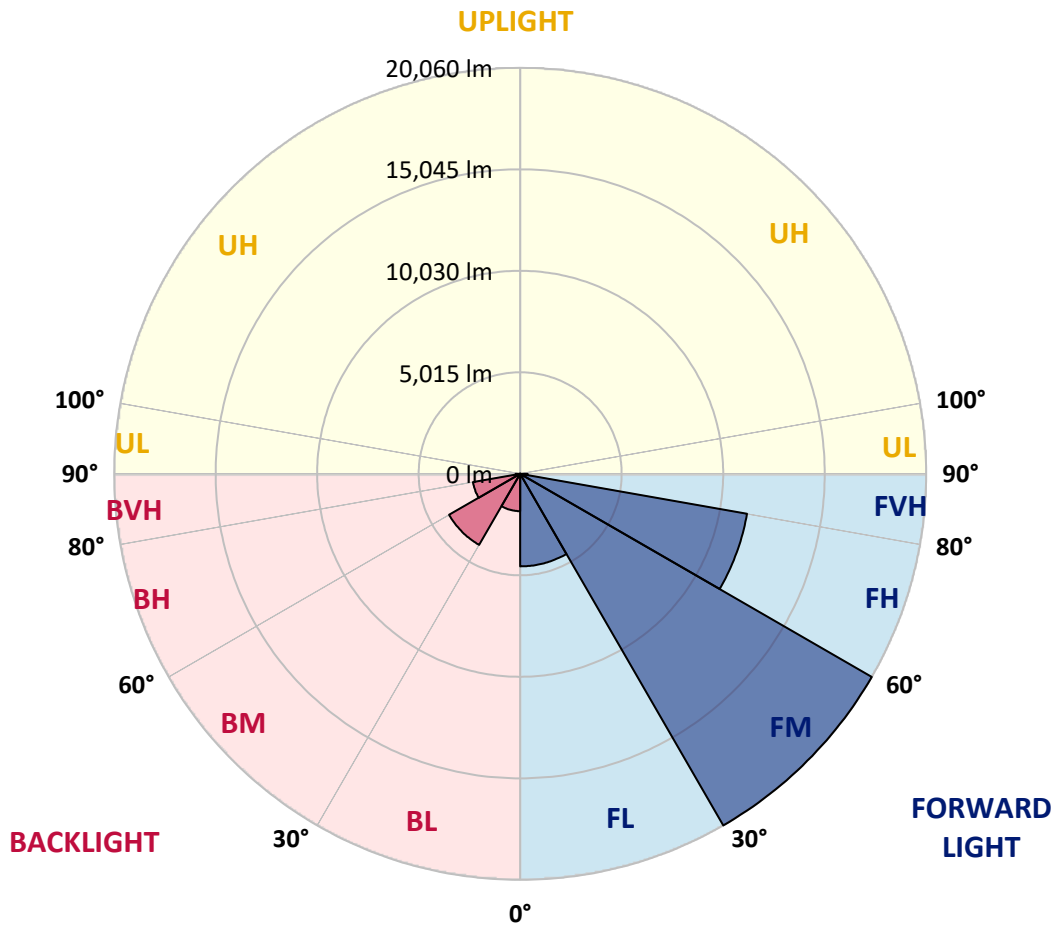
REPORT NUMBER: P954735
 CATALOG NUMBER: GALN-SB7D-927-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4573.7	10.2			
FM (30°-60°)	20060.0	44.7			
FH (60°-80°)	11379.9	25.4			G4/12000
FVH (80°-90°)	367.2	0.8			G3/500
BL (0°-30°)	1845.3	4.1	B3/2500		
BM (30°-60°)	4054.1	9.0	B3/5000		
BH (60°-80°)	2367.8	5.3	B3/2500		G3/2500
BVH (80°-90°)	220.0	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 II Medium



REPORT NUMBER: P954735
 CATALOG NUMBER: GALN-SB7D-927-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	5264.4	5264.4	5264.4	5264.4	5264.4	5264.4	5264.4	5264.4	5264.4	5264.4
2.5°	6591.5	6637.8	6579.9	6579.9	6385.4	6283.5	6088.9	5940.7	5674.4	5628.0
5°	7791.2	7849.1	7768.1	7733.3	7504.0	7293.3	6966.7	6644.8	6170.0	6121.4
7.5°	8720.0	8794.1	8722.3	8685.2	8481.4	8245.2	7863.0	7413.7	6744.4	6649.4
10°	9477.3	9488.9	9465.7	9479.6	9319.8	9125.3	8733.9	8210.4	7374.3	7244.6
12.5°	9905.8	9959.1	10005.4	10088.8	10061.0	9940.5	9588.5	8963.2	8041.4	7874.6
15°	10107.3	10199.9	10304.2	10496.4	10651.6	10681.7	10413.0	9771.5	8720.0	8518.5
17.5°	10179.1	10267.1	10431.5	10709.5	11043.0	11267.6	11147.2	10556.6	9391.6	9160.0
20°	10542.7	10568.2	10667.8	10931.8	11293.1	11666.0	11756.3	11311.6	10056.3	9794.6
22.5°	11320.9	11270.0	11297.8	11418.2	11677.6	12038.9	12245.0	11978.7	10739.6	10438.5
25°	12606.3	12458.1	12309.9	12170.9	12302.9	12506.7	12740.7	12645.7	11455.2	11073.1
27.5°	14229.9	14049.2	13722.7	13266.4	13106.6	13178.4	13282.6	13264.1	12117.6	11730.9
30°	15828.0	15617.2	15228.1	14568.0	14146.5	13956.6	13877.8	13824.6	12837.9	12425.7
32.5°	17104.1	16937.4	16555.2	15816.4	15205.0	14880.7	14619.0	14429.1	13590.7	13178.4
35°	18220.5	18065.3	17627.6	16821.6	16156.9	15811.8	15469.0	15063.7	14373.5	13956.6
37.5°	19239.5	19084.4	18484.5	17646.1	16976.7	16738.2	16432.5	15744.6	15158.6	14764.9
40°	19883.4	19848.7	19288.2	18338.6	17643.8	17525.6	17423.7	16534.4	16029.5	15663.5
42.5°	20047.8	20124.3	19679.6	18899.1	18236.7	18141.7	18380.3	17428.4	17006.8	16657.1
45°	19651.8	19871.8	19580.0	19049.6	18658.2	18607.2	19228.0	18405.7	18088.4	17768.8
47.5°	18648.9	19021.8	18901.4	18827.3	18771.7	18991.7	19973.7	19443.3	19313.6	19035.7
50°	16624.7	17331.1	17541.9	18009.7	18547.0	19290.5	20652.3	20575.9	20745.0	20464.7
52.5°	13125.1	14097.9	15320.8	16492.7	17856.8	19190.9	21398.1	22201.8	22915.1	22762.3
55°	10834.5	11272.3	12212.6	14361.9	16518.2	18771.7	21733.9	23515.0	25069.1	24932.4
57.5°	9074.3	9465.7	10044.8	11839.7	14493.9	17819.8	21942.4	24316.3	26544.4	26530.5
60°	7186.7	7601.3	8194.2	9465.7	12129.2	16175.4	21896.1	25228.9	28427.4	28543.2
62.5°	5056.0	5512.2	6170.0	7355.8	9713.6	14044.6	20951.1	25888.9	30643.8	30958.8
65°	3323.5	3624.6	4120.3	5144.0	7237.7	11304.7	19146.9	25974.6	33015.5	33548.2
67.5°	2330.0	2445.8	2737.6	3293.4	4771.1	8669.0	16272.7	25087.6	34597.3	35197.2
70°	1818.1	1876.0	2024.2	2246.6	2997.0	5829.5	12469.7	22780.8	34259.2	34884.5
72.5°	1570.3	1625.9	1681.5	1709.3	2010.3	3599.2	8446.7	19047.3	31074.6	31498.5
75°	1424.4	1438.3	1484.6	1475.3	1533.2	2334.6	4875.3	13877.8	24517.8	24371.9
77.5°	1197.4	1215.9	1292.4	1280.8	1361.8	1595.8	2531.5	8956.2	15895.1	14903.9
80°	1014.4	1023.7	1107.1	1093.2	1183.5	1155.7	1292.4	4565.0	6742.1	5711.4
82.5°	352.0	435.4	845.4	870.8	903.3	699.5	745.8	1862.1	2059.0	1577.2
85°	171.4	183.0	430.8	611.4	609.1	352.0	363.6	664.7	648.5	509.5
87.5°	27.8	34.7	51.0	238.6	189.9	92.6	125.1	129.7	134.3	115.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954735
 CATALOG NUMBER: GALN-SB7D-927-U-T2R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5264.4	0°	5264.4	5264.4	5264.4	5264.4	5264.4	5264.4	5264.4	5264.4	5264.4	5264.4
5452.0	2.5°	5322.3	5206.5	4963.3	4738.7	4562.6	4393.6	4298.6	4217.6	4171.2	4162.0
5706.8	5°	5465.9	5227.4	4785.0	4412.1	4168.9	3988.3	3893.3	3833.1	3803.0	3784.4
6049.6	7.5°	5672.0	5322.3	4692.3	4268.5	4013.7	3884.0	3835.4	3826.1	3823.8	3826.1
6464.1	10°	5956.9	5477.5	4683.1	4233.8	4020.7	3948.9	3946.6	3948.9	3958.2	3960.5
6915.8	12.5°	6264.9	5637.3	4720.1	4263.9	4108.7	4069.3	4062.4	4060.1	4067.0	4071.6
7372.0	15°	6600.8	5848.1	4782.7	4328.7	4206.0	4164.3	4157.3	4143.4	4141.1	4138.8
7851.5	17.5°	6945.9	6056.5	4852.2	4398.2	4268.5	4210.6	4185.1	4152.7	4127.2	4120.3
8347.1	20°	7295.6	6262.6	4900.8	4432.9	4273.1	4192.1	4141.1	4085.5	4041.5	4016.1
8847.4	22.5°	7668.5	6478.0	4930.9	4423.7	4231.4	4120.3	4027.6	3962.8	3895.6	3851.6
9352.3	25°	8032.1	6665.6	4928.6	4375.0	4150.4	4009.1	3891.0	3807.6	3715.0	3668.6
9873.4	27.5°	8381.8	6834.7	4870.7	4289.3	4034.6	3877.1	3735.8	3636.2	3545.9	3501.9
10399.1	30°	8743.1	6976.0	4780.4	4164.3	3897.9	3724.2	3569.1	3483.4	3402.3	3360.6
10955.0	32.5°	9102.1	7105.7	4653.0	4009.1	3740.4	3573.7	3420.8	3342.1	3293.4	3293.4
11552.5	35°	9482.0	7196.0	4483.9	3828.5	3573.7	3413.9	3293.4	3247.1	3242.5	3214.7
12184.8	37.5°	9882.6	7253.9	4277.8	3643.2	3409.2	3258.7	3221.6	3166.1	3119.7	3059.5
12879.6	40°	10304.2	7311.8	4029.9	3450.9	3235.5	3152.2	3135.9	3061.8	2929.8	2781.6
13667.1	42.5°	10816.0	7351.2	3772.9	3258.7	3052.6	3024.8	3047.9	2920.6	2709.8	2598.6
14616.7	45°	11408.9	7416.0	3536.6	3068.8	2865.0	2865.0	2962.2	2795.5	2621.8	2552.3
15700.6	47.5°	12177.9	7566.6	3316.6	2860.3	2691.3	2737.6	2772.3	2644.9	2547.7	2462.0
17020.7	50°	13289.6	7927.9	3089.6	2649.6	2559.2	2651.9	2603.3	2529.1	2415.7	2346.2
19119.1	52.5°	14669.9	8141.0	2888.1	2459.7	2445.8	2538.4	2468.9	2399.4	2313.7	2221.1
20710.2	55°	15610.3	8180.3	2719.1	2320.7	2369.3	2360.1	2334.6	2272.1	2225.7	2103.0
22280.5	57.5°	16661.8	8259.1	2580.1	2237.3	2320.7	2218.8	2209.5	2156.3	2096.0	2012.7
24195.9	60°	17919.4	8381.8	2459.7	2204.9	2279.0	2126.1	2079.8	2059.0	1998.8	1957.1
26500.4	62.5°	19290.5	8493.0	2336.9	2209.5	2230.4	2035.8	1966.3	1959.4	1922.3	1908.4
28663.6	65°	20226.2	8189.6	2184.0	2204.9	2153.9	1943.2	1855.2	1852.9	1822.7	1818.1
29601.6	67.5°	19899.6	7228.4	1977.9	2140.0	2075.2	1850.5	1753.3	1744.0	1704.6	1706.9
28621.9	70°	18264.5	5857.3	1693.0	1980.2	1977.9	1767.2	1646.7	1616.6	1563.3	1572.6
24886.1	72.5°	15198.0	4340.3	1310.9	1713.9	1822.7	1690.7	1524.0	1475.3	1408.2	1417.4
18371.0	75°	10975.8	2950.7	954.2	1303.9	1586.5	1600.4	1403.5	1320.2	1239.1	1253.0
10225.4	77.5°	5616.5	1672.2	701.8	898.6	1246.0	1454.5	1294.7	1183.5	1165.0	1294.7
2948.3	80°	1832.0	838.4	486.4	630.0	817.6	1190.5	1134.9	1007.5	1002.9	1033.0
618.4	82.5°	546.6	354.4	312.7	414.6	451.6	912.5	979.7	762.0	655.4	690.2
206.1	85°	187.6	171.4	178.3	206.1	215.4	535.0	685.6	504.9	477.1	525.7
46.3	87.5°	44.0	60.2	51.0	46.3	46.3	129.7	266.3	210.8	291.8	194.5
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

180°
5264.4
4162.0
3782.1
3833.1
3962.8
4074.0
4136.5
4127.2
4025.3
3853.9
3668.6
3499.6
3358.3
3295.8
3207.7
3050.3
2760.7
2600.9
2563.9
2459.7
2339.2
2202.6
2105.3
1984.9
1968.7
1908.4
1815.8
1706.9
1581.9
1415.1
1257.6
1276.2
887.1
713.3
518.8
187.6
0.0

F REPORT)