

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: P954020

Luminaire Tested: **GALN-SB7B-927-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954020  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7B-927-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

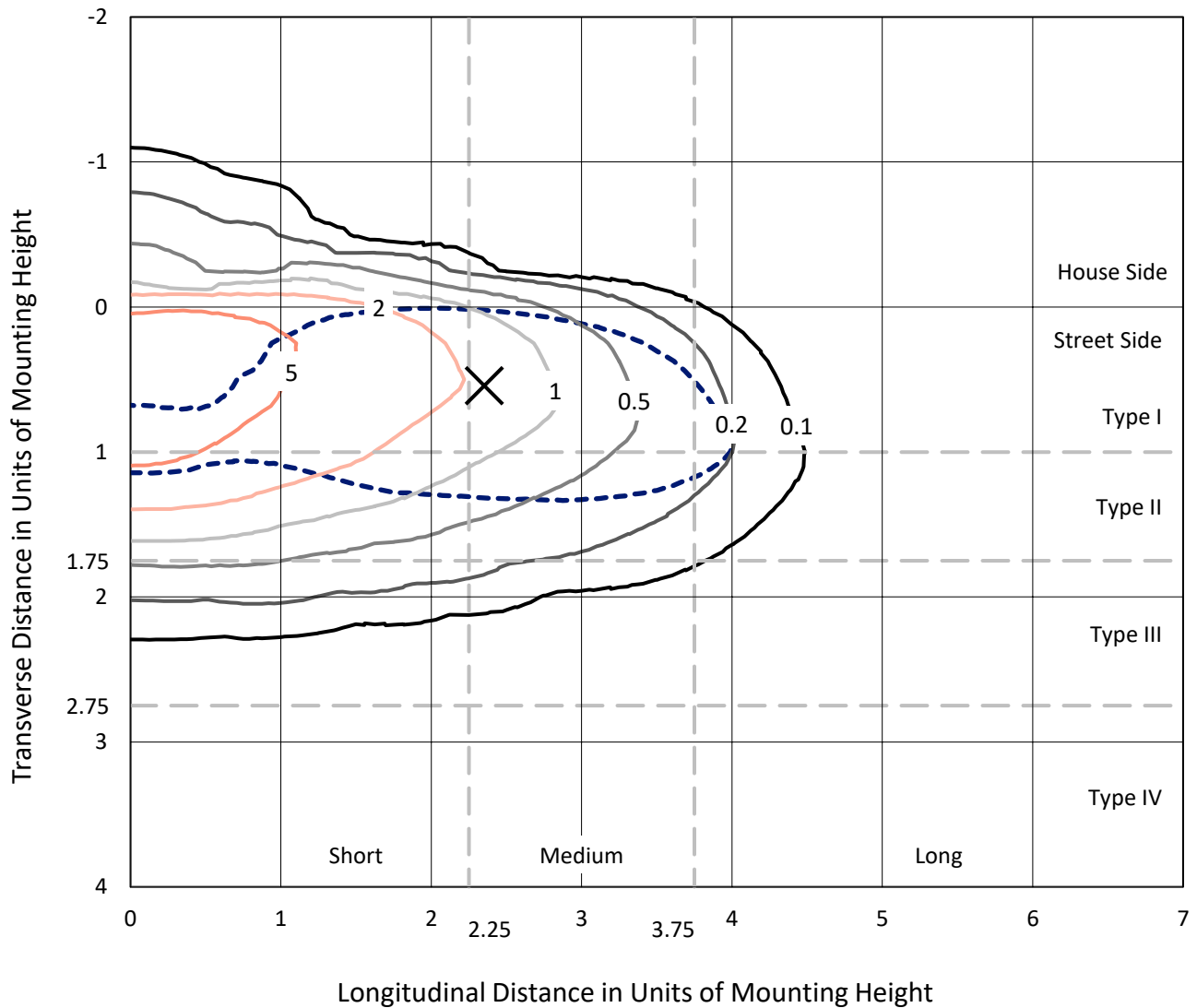
Lumens per Lamp: N/A  
Luminaire Lumens: 20639 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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: P954020  
 CATALOG NUMBER: GALN-SB7B-927-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

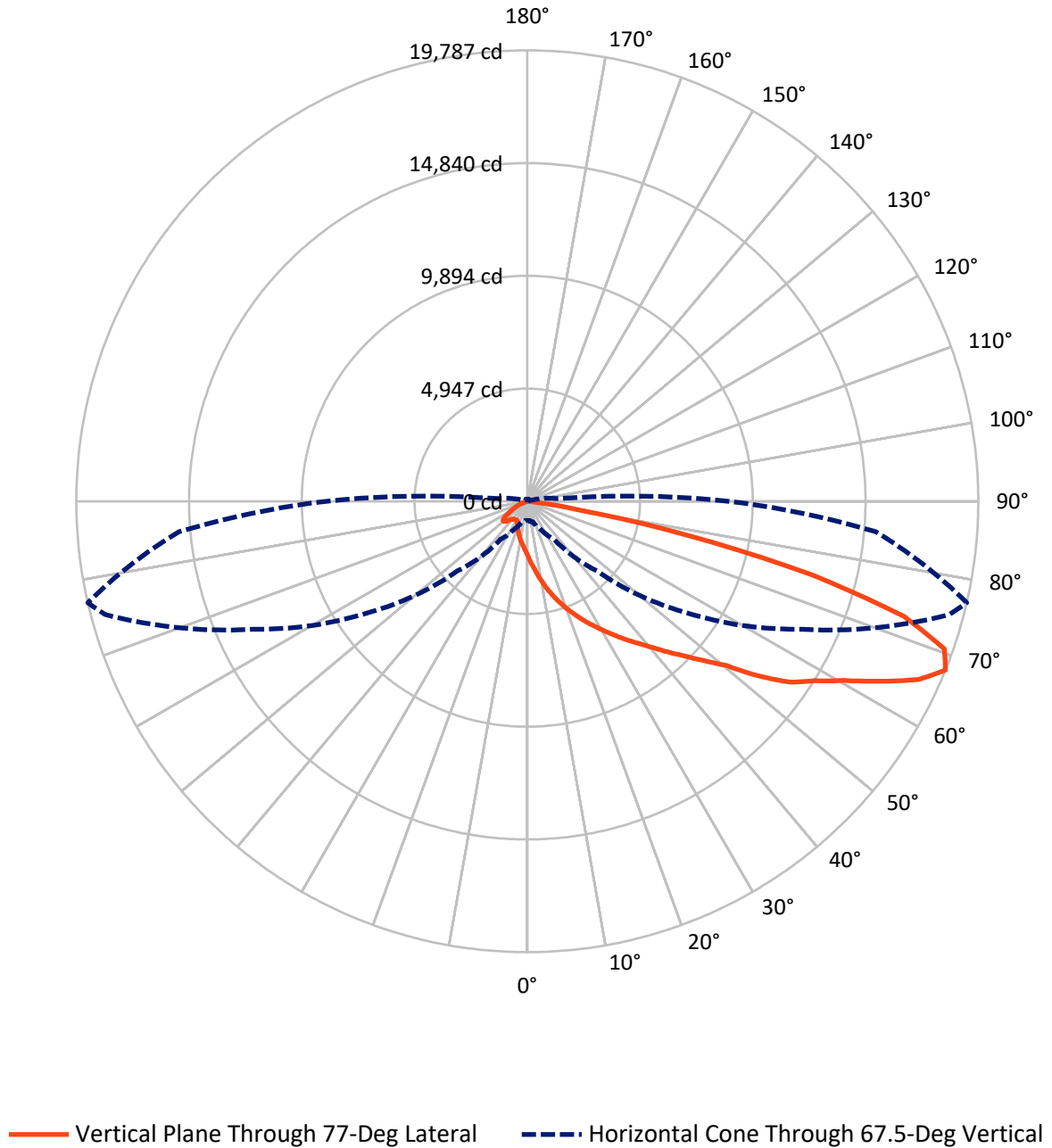
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type II - Medium - N/A

REPORT NUMBER: P954020  
CATALOG NUMBER: GALN-SB7B-927-U-T2R-HSS

### Luminous Intensity Polar Plot



REPORT NUMBER: P954020  
 CATALOG NUMBER: GALN-SB7B-927-U-T2R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1518.4	0.0	1518.4
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	19120.6	0.0	19120.6
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	20639.0	0.0	20639.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.9	1.2
10°-20°	850.7	4.1
20°-30°	1641.5	8.0
30°-40°	2849.8	13.8
40°-50°	4137.8	20.0
50°-60°	4751.7	23.0
60°-70°	4125.4	20.0
70°-80°	1943.1	9.4
80°-90°	96.1	0.5
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°	20639.0	100.0
0°-180°	20639.0	100.0

**Coefficient of Utilization**



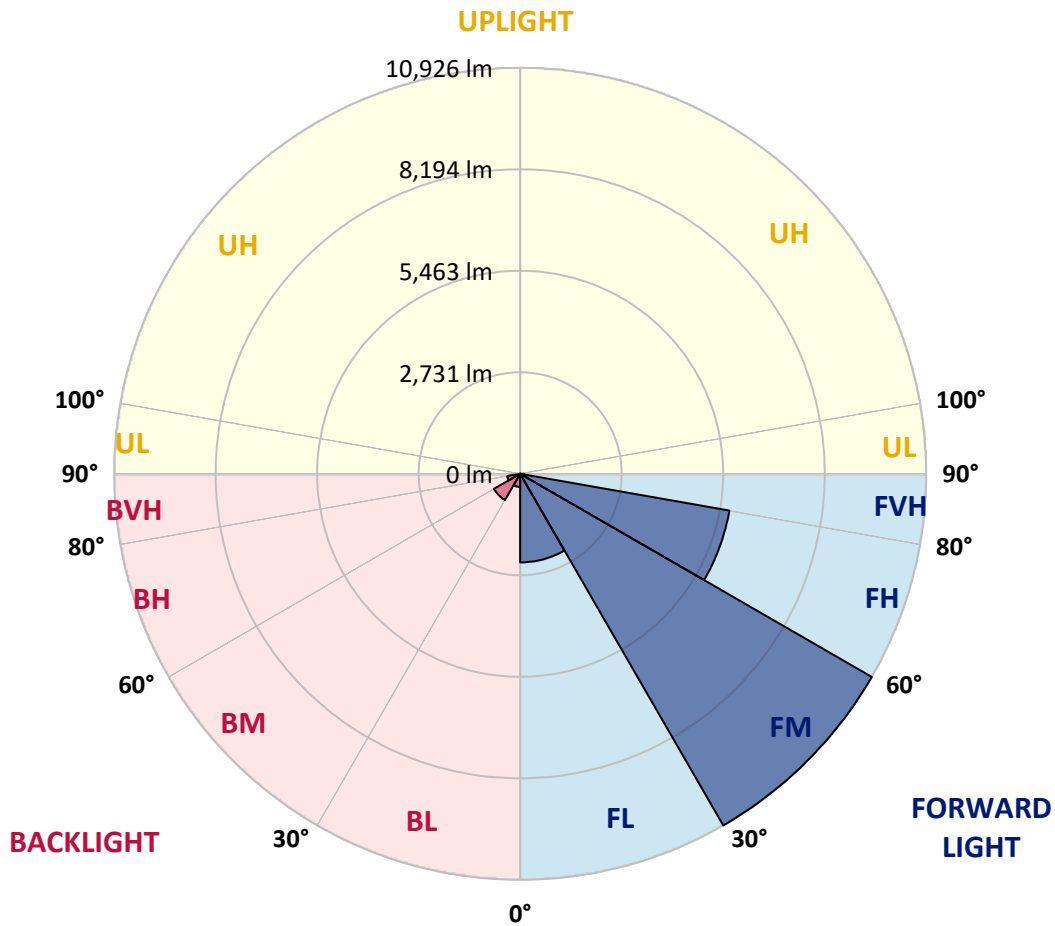
REPORT NUMBER: P954020  
 CATALOG NUMBER: GALN-SB7B-927-U-T2R-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2383.6	11.5			
FM (30°-60°)	10925.7	52.9			
FH (60°-80°)	5716.9	27.7			G3/7500
FVH (80°-90°)	94.3	0.5			G1/100
BL (0°-30°)	351.5	1.7	B1/500		
BM (30°-60°)	813.6	3.9	B1/1000		
BH (60°-80°)	351.5	1.7	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type II Medium



REPORT NUMBER: P954020

CATALOG NUMBER: GALN-SB7B-927-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0
2.5°	3295.1	3315.6	3286.1	3229.7	3145.1	3090.0	2955.4	2828.5	2687.6	2642.7
5°	4016.6	4034.6	4001.2	3939.7	3826.9	3719.3	3542.4	3277.1	3001.6	2913.1
7.5°	4551.1	4561.3	4548.5	4492.1	4384.4	4262.7	4065.3	3751.3	3342.5	3245.1
10°	4935.5	4968.9	4965.0	4943.2	4871.5	4772.8	4562.6	4205.0	3724.4	3598.8
12.5°	5190.6	5227.8	5249.5	5298.2	5294.4	5231.6	5047.0	4669.0	4105.0	3957.7
15°	5264.9	5304.7	5388.0	5500.7	5600.7	5632.7	5503.3	5123.9	4524.1	4335.7
17.5°	5222.6	5284.1	5384.1	5562.3	5781.4	5926.2	5912.1	5563.5	4904.8	4689.5
20°	5316.2	5375.1	5453.3	5603.3	5858.3	6121.0	6226.1	5983.9	5282.9	5057.3
22.5°	5834.0	5823.7	5831.4	5855.8	6008.3	6268.4	6485.0	6365.8	5657.1	5426.4
25°	6654.2	6608.1	6529.9	6397.9	6359.4	6485.0	6710.6	6704.2	6051.8	5804.5
27.5°	7594.9	7587.2	7404.0	7086.1	6906.7	6858.0	6965.6	7033.6	6442.7	6178.7
30°	8495.9	8516.4	8269.1	7915.3	7585.9	7395.0	7297.6	7346.3	6840.0	6582.4
32.5°	9280.3	9302.0	9032.9	8618.9	8211.4	7980.7	7775.6	7655.2	7273.2	6992.6
35°	9942.9	9964.6	9655.8	9198.2	8763.8	8554.9	8322.9	7993.5	7709.0	7447.5
37.5°	10535.0	10528.6	10114.6	9653.2	9226.4	9061.1	8939.3	8410.0	8157.6	7905.1
40°	10884.9	10911.8	10558.0	10049.2	9635.3	9514.8	9507.1	8926.5	8675.3	8430.5
42.5°	10987.4	11034.8	10778.5	10360.7	9985.2	9854.4	10055.6	9485.3	9277.7	9039.3
45°	10802.8	10849.0	10732.3	10442.7	10223.5	10138.9	10527.3	10064.6	9921.1	9685.3
47.5°	10264.5	10322.2	10350.4	10288.9	10286.3	10372.2	10950.2	10674.7	10684.9	10444.0
50°	9222.6	9320.0	9578.9	9796.8	10133.8	10556.8	11361.6	11336.0	11546.2	11338.5
52.5°	7328.3	7466.8	8358.8	8954.7	9712.2	10522.2	11814.0	12397.2	13057.2	12753.5
55°	5889.1	5889.1	6614.5	7729.5	8889.4	10294.0	12011.4	13086.7	14086.4	14014.6
57.5°	4801.0	4858.6	5321.3	6306.9	7698.7	9750.6	12133.2	13519.9	14915.6	14863.0
60°	2963.1	3087.4	3961.5	4934.3	6344.1	8783.0	12056.3	13958.2	15921.6	15963.9
62.5°	1668.7	1714.8	2104.4	3550.1	4933.0	7482.1	11468.0	14203.0	17208.4	17387.8
65°	1152.2	1175.3	1325.2	2209.5	3419.4	5957.0	10318.4	14050.5	18497.7	18860.4
67.5°	836.9	848.4	942.0	1349.6	2028.8	4319.1	8516.4	13281.5	19180.8	19787.0
70°	643.4	651.1	719.0	886.9	1198.3	2665.8	6185.1	11752.5	18686.1	19410.2
72.5°	522.9	530.6	583.1	656.2	794.6	1576.4	3748.8	9544.3	16502.2	17284.0
75°	440.9	451.1	498.6	546.0	622.9	1012.5	1758.4	6646.5	12410.0	12922.6
77.5°	244.8	225.6	405.0	452.4	525.5	640.8	822.8	3911.5	6950.3	7092.5
80°	152.5	157.6	321.7	364.0	403.7	323.0	376.8	1505.9	2409.5	2289.0
82.5°	9.0	20.5	247.4	262.7	276.8	138.4	142.3	511.4	580.6	533.2
85°	0.0	0.0	112.8	91.0	96.1	39.7	41.0	119.2	78.2	84.6
87.5°	0.0	0.0	0.0	2.6	0.0	3.8	7.7	10.3	3.8	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954020  
 CATALOG NUMBER: GALN-SB7B-927-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2380.0	0°	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0	2380.0
2501.7	2.5°	2412.0	2322.3	2140.3	1962.2	1817.3	1682.8	1586.7	1495.7	1449.5	1447.0
2663.2	5°	2485.1	2296.7	1932.7	1611.0	1352.1	1144.5	1009.9	913.8	865.1	848.4
2861.9	7.5°	2587.6	2304.4	1750.7	1303.4	998.4	820.2	743.3	712.6	702.3	690.8
3086.2	10°	2717.0	2322.3	1587.9	1049.7	786.9	697.2	666.4	653.6	645.9	638.2
3338.6	12.5°	2861.9	2339.0	1426.5	871.5	692.1	645.9	624.2	608.8	598.5	589.5
3597.5	15°	3002.9	2349.2	1258.6	747.2	643.4	606.2	583.1	566.5	552.4	542.1
3851.3	17.5°	3142.5	2363.3	1100.9	672.9	603.6	566.5	543.4	522.9	511.4	499.8
4117.9	20°	3297.6	2360.8	952.2	620.3	563.9	526.7	502.4	483.2	471.6	458.8
4399.8	22.5°	3441.2	2347.9	821.5	575.5	522.9	487.0	460.1	440.9	429.3	419.1
4688.2	25°	3606.5	2337.7	712.6	534.4	484.5	448.6	419.1	401.1	388.3	379.4
4977.8	27.5°	3765.4	2322.3	633.1	497.3	447.3	412.7	384.5	364.0	352.4	346.0
5276.5	30°	3921.8	2318.5	603.6	461.4	414.0	379.4	351.2	331.9	323.0	320.4
5604.6	32.5°	4110.2	2328.7	616.5	448.6	383.2	348.6	321.7	307.6	298.6	298.6
5969.8	35°	4311.4	2326.2	635.7	460.1	362.7	317.8	297.3	288.4	279.4	279.4
6374.8	37.5°	4563.9	2330.0	651.1	479.3	355.0	292.2	280.7	269.1	264.0	264.0
6818.3	40°	4940.7	2456.9	643.4	496.0	352.4	274.3	251.2	247.4	243.5	243.5
7319.4	42.5°	5402.1	2732.4	653.6	497.3	351.2	261.5	230.7	238.4	229.4	228.1
7884.6	45°	5907.0	3033.6	719.0	470.4	349.9	255.0	220.4	229.4	215.3	215.3
8539.5	47.5°	6408.1	3332.2	785.6	431.9	346.0	253.8	211.5	206.3	202.5	203.8
9393.0	50°	7098.9	3575.7	811.3	379.4	337.1	251.2	194.8	196.1	193.5	196.1
10596.5	52.5°	7851.2	3627.0	780.5	320.4	311.4	243.5	183.3	188.4	187.1	189.7
11443.6	55°	8320.3	3571.9	644.7	266.6	271.7	212.7	171.7	182.0	182.0	182.0
12271.6	57.5°	8804.8	3337.4	457.5	216.6	225.6	174.3	161.5	175.6	174.3	173.0
13268.7	60°	9153.4	2958.0	301.2	178.1	179.4	143.5	150.0	165.3	164.0	157.6
14296.5	62.5°	9413.5	2538.9	193.5	151.2	137.1	129.4	137.1	150.0	144.8	130.7
15168.0	65°	9384.1	1958.3	148.7	129.4	112.8	112.8	119.2	130.7	115.3	92.3
15334.7	67.5°	8836.8	1325.2	123.0	108.9	94.8	93.6	98.7	108.9	98.7	78.2
14481.1	70°	7858.9	866.4	98.7	84.6	75.6	69.2	79.5	93.6	83.3	62.8
12328.0	72.5°	6378.7	528.0	74.3	61.5	55.1	44.9	62.8	76.9	66.6	46.1
8572.8	75°	4126.8	269.1	51.3	39.7	29.5	26.9	46.1	57.7	46.1	28.2
3803.9	77.5°	1579.0	112.8	28.2	17.9	15.4	12.8	25.6	34.6	19.2	6.4
736.9	80°	303.7	47.4	14.1	9.0	7.7	5.1	3.8	2.6	0.0	0.0
130.7	82.5°	52.5	15.4	5.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0
25.6	85°	17.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.0	87.5°	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

180°
2380.0
1444.4
845.9
688.2
635.7
587.0
540.8
498.6
457.5
417.8
378.1
346.0
319.1
298.6
279.4
264.0
243.5
226.8
215.3
203.8
196.1
189.7
182.0
173.0
157.6
128.2
89.7
75.6
60.2
43.6
24.4
5.1
0.0
0.0
0.0
0.0
0.0

F REPORT)