

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: P953310

Luminaire Tested: **GALN-SB6D-927-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953310  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6D-927-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

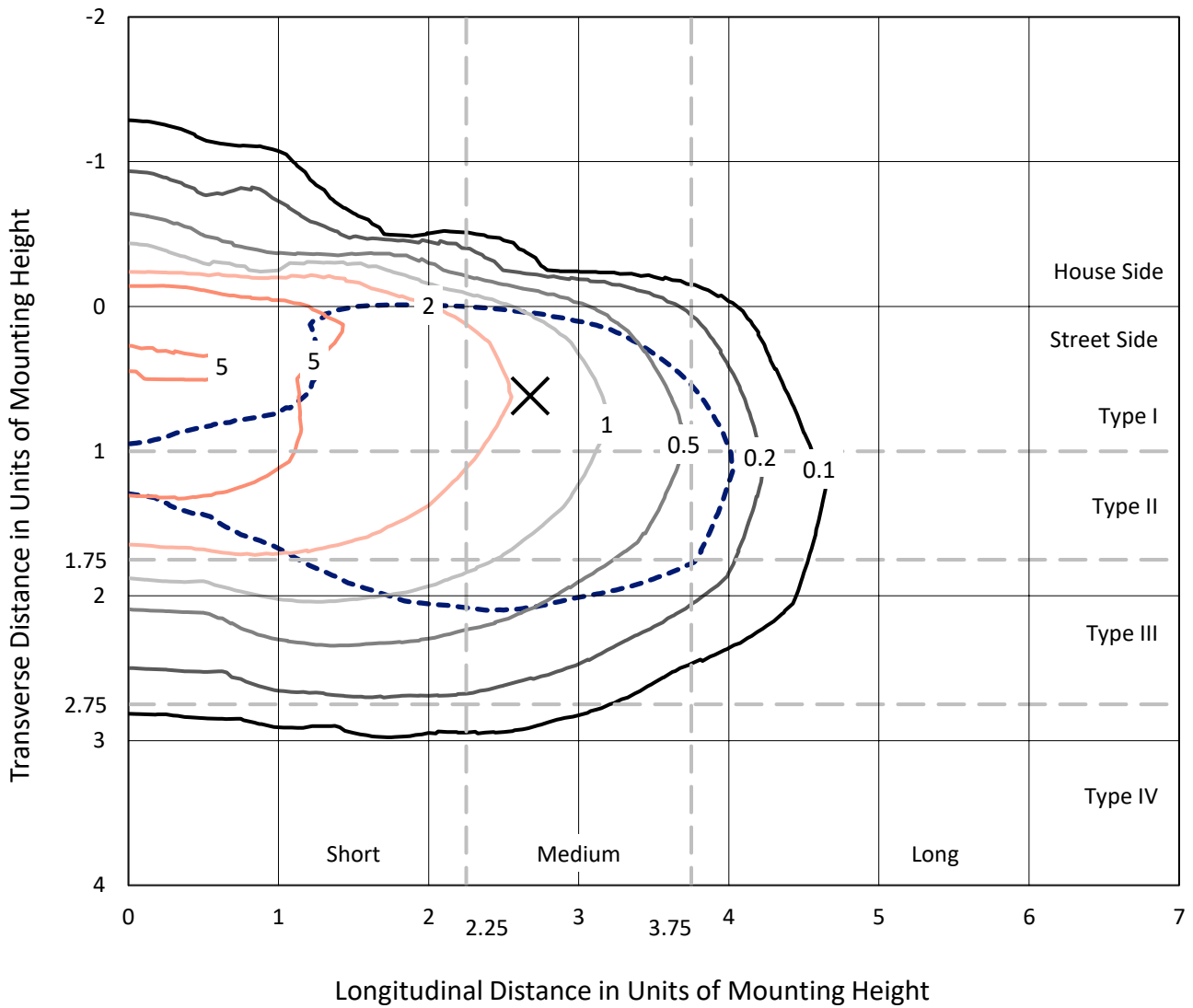
Lumens per Lamp: N/A  
Luminaire Lumens: 31271 lumens  
Efficiency: N/A  
Efficacy: 71.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P953310  
 CATALOG NUMBER: GALN-SB6D-927-U-T3R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

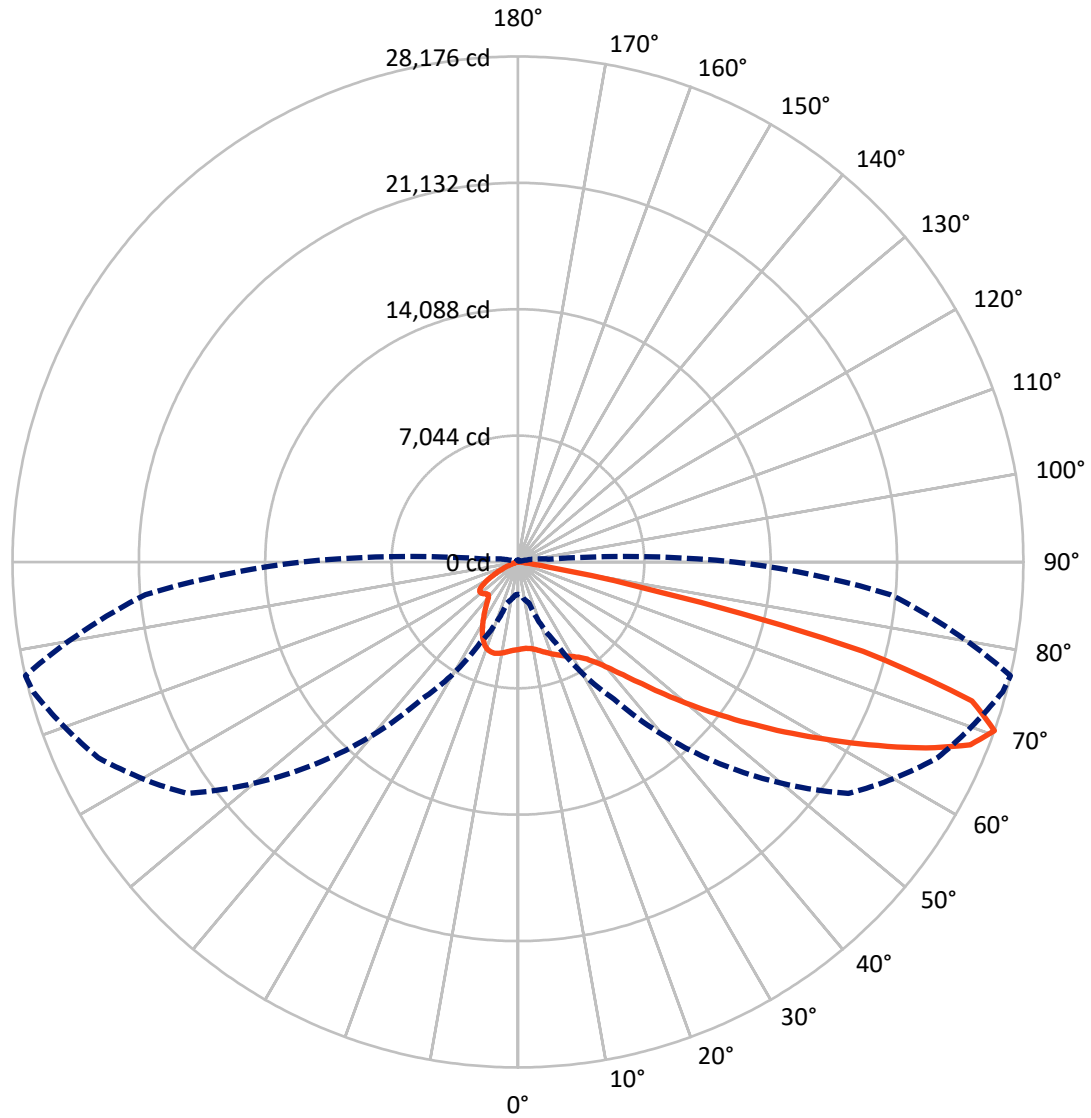
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type III - Medium - N/A

REPORT NUMBER: P953310  
CATALOG NUMBER: GALN-SB6D-927-U-T3R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P953310  
 CATALOG NUMBER: GALN-SB6D-927-U-T3R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3296.4	0.0	3296.4
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	27974.6	0.0	27974.6
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	31271.0	0.0	31271.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	420.4	1.3
10°-20°	997.9	3.2
20°-30°	1543.5	4.9
30°-40°	2800.8	9.0
40°-50°	5286.9	16.9
50°-60°	7639.1	24.4
60°-70°	8131.6	26.0
70°-80°	4309.2	13.8
80°-90°	141.5	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°	31271.0	100.0
0°-180°	31271.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P953310

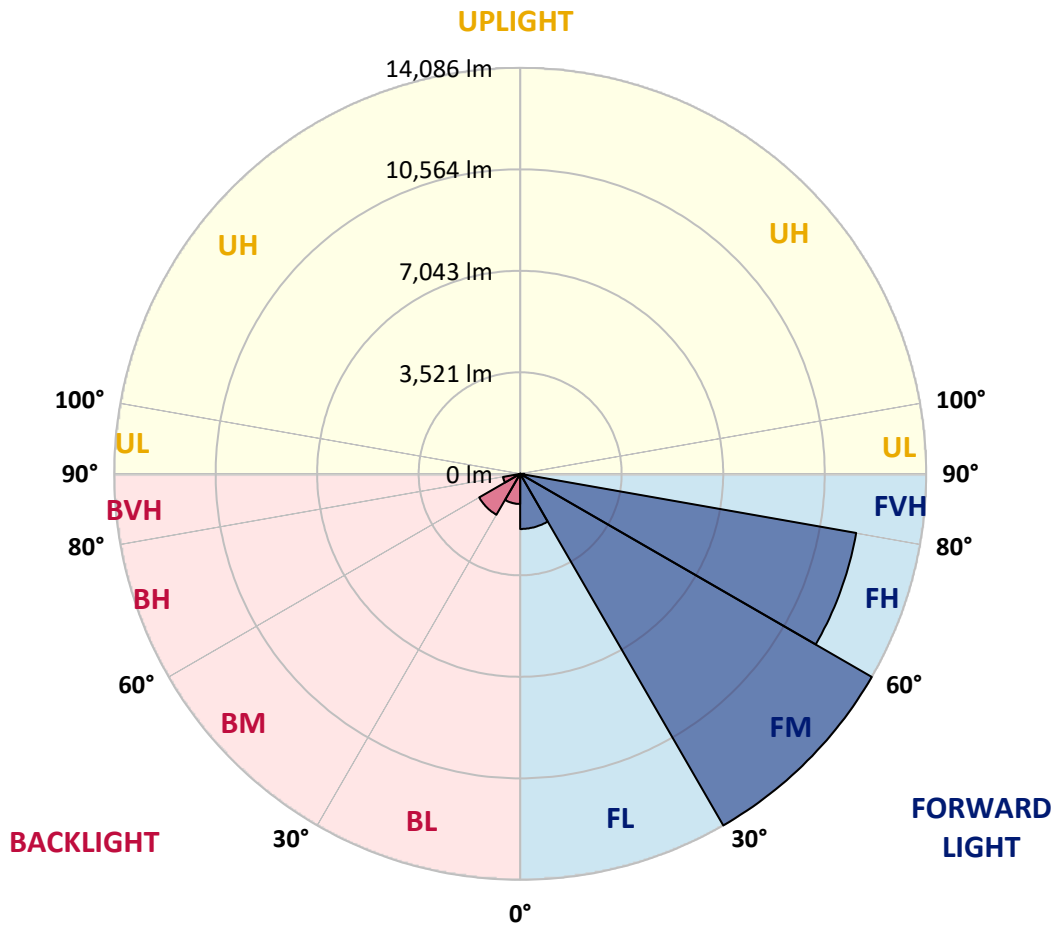
CATALOG NUMBER: GALN-SB6D-927-U-T3R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1914.5	6.1			
FM (30°-60°)	14085.9	45.0			
FH (60°-80°)	11836.5	37.9			G4/12000
FVH (80°-90°)	137.7	0.4			G2/225
BL (0°-30°)	1047.3	3.3	B3/2500		
BM (30°-60°)	1641.0	5.2	B2/2500		
BH (60°-80°)	604.3	1.9	B2/1000		G2/1000
BVH (80°-90°)	3.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Medium



REPORT NUMBER: P953310  
 CATALOG NUMBER: GALN-SB6D-927-U-T3R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4877.7	4877.7	4877.7	4877.7	4877.7	4877.7	4877.7	4877.7	4877.7	4877.7
2.5°	4579.5	4621.0	4615.1	4642.7	4652.6	4692.1	4731.6	4784.9	4844.1	4842.2
5°	4320.8	4362.3	4372.2	4409.7	4457.1	4518.3	4599.3	4705.9	4816.5	4834.3
7.5°	4014.7	4058.2	4083.8	4158.9	4245.8	4372.2	4504.5	4660.5	4844.1	4869.8
10°	3708.6	3748.1	3781.7	3888.3	4026.6	4214.2	4429.4	4654.6	4901.4	4938.9
12.5°	3519.1	3556.6	3594.1	3686.9	3858.7	4087.8	4380.1	4682.2	4996.2	5049.5
15°	3451.9	3485.5	3515.1	3598.1	3758.0	4018.7	4370.2	4739.5	5116.7	5187.8
17.5°	3461.8	3479.6	3499.3	3562.5	3718.5	3987.1	4388.0	4838.2	5258.8	5322.0
20°	3519.1	3528.9	3530.9	3574.4	3712.6	3983.1	4423.5	4933.0	5393.1	5478.0
22.5°	3592.1	3596.1	3592.1	3621.7	3750.1	4012.8	4470.9	5047.5	5543.2	5622.2
25°	3933.8	3858.7	3763.9	3706.7	3813.3	4070.0	4542.0	5201.6	5707.1	5784.1
27.5°	4994.2	4779.0	4439.3	4058.2	3943.6	4153.0	4640.7	5357.6	5873.0	5942.1
30°	6716.2	6433.8	5857.2	4998.2	4362.3	4326.7	4769.1	5513.6	6048.8	6123.8
32.5°	8442.2	8373.1	7707.6	6518.8	5304.3	4713.8	4982.4	5724.9	6281.8	6341.0
35°	10187.9	10047.7	9502.7	8327.7	6755.7	5501.7	5337.8	6001.4	6587.9	6655.0
37.5°	11524.8	11439.9	11102.2	10134.6	8477.7	6718.2	5946.1	6429.9	7032.2	7107.2
40°	12705.7	12666.3	12551.7	11913.9	10403.2	8309.9	6892.0	7093.4	7648.3	7737.2
42.5°	13633.9	13726.7	13791.9	13614.1	12387.8	10126.7	8163.7	8025.5	8507.4	8598.2
45°	14583.8	14615.4	14878.0	15134.7	14358.6	12026.4	9597.4	9117.6	9575.7	9688.3
47.5°	15194.0	15320.4	15782.5	16234.7	16015.5	13910.4	11137.8	10407.1	10813.9	11025.2
50°	15239.4	15478.3	16114.2	16902.2	17222.1	15703.5	12812.4	11876.3	12308.8	12541.8
52.5°	14483.1	14854.3	15839.7	16993.0	17873.8	17222.1	14544.3	13345.6	13900.5	14204.6
55°	11104.2	11590.0	14806.9	16499.3	17899.4	18373.4	16230.7	14876.0	15673.8	16017.5
57.5°	9674.5	9919.3	11641.3	15642.2	17423.5	18837.4	17755.3	16333.4	17603.2	18029.8
60°	8049.2	8371.1	9763.3	14240.2	16777.7	18882.9	19102.1	18213.4	19694.5	20174.4
62.5°	5470.1	5819.7	7204.0	11830.9	15895.0	18861.1	20206.0	20148.7	22018.8	22534.2
65°	3388.7	3607.9	4520.3	9660.6	14660.8	18884.8	21361.2	22498.7	24471.5	24994.8
67.5°	2677.8	2778.5	3254.4	7417.3	12533.9	18351.6	22514.5	24708.5	26780.0	27194.7
70°	1799.0	1860.2	2367.8	4972.5	9324.9	15891.1	22492.8	25818.3	27968.8	28176.2
72.5°	947.9	995.3	1384.3	2302.6	5632.1	11295.8	18959.9	24491.2	26785.9	26473.9
75°	473.9	552.9	932.1	1169.1	2405.3	6299.6	11773.6	19309.4	21082.8	19874.2
77.5°	359.4	434.5	770.2	770.2	837.3	2120.9	4986.3	10531.5	9714.0	8088.7
80°	229.1	296.2	673.4	582.6	349.5	539.1	1299.4	2950.3	2063.6	1570.0
82.5°	134.3	193.5	560.8	385.1	195.5	199.5	367.3	628.0	535.2	416.7
85°	53.3	126.4	385.1	152.1	77.0	49.4	110.6	134.3	110.6	82.9
87.5°	0.0	29.6	67.1	0.0	5.9	3.9	7.9	9.9	9.9	7.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953310  
 CATALOG NUMBER: GALN-SB6D-927-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4877.7	0°	4877.7	4877.7	4877.7	4877.7	4877.7	4877.7	4877.7	4877.7	4877.7	4877.7
4881.7	2.5°	4899.4	4903.4	4915.2	4917.2	4889.6	4854.0	4840.2	4834.3	4810.6	4808.6
4913.3	5°	4958.7	4976.5	4958.7	4907.3	4784.9	4613.1	4482.8	4376.1	4279.4	4249.7
5021.9	7.5°	5077.2	5094.9	5041.6	4840.2	4532.1	4190.5	3882.4	3665.2	3469.7	3396.6
5154.2	10°	5247.0	5270.7	5102.8	4696.0	4151.0	3602.0	3080.7	2713.4	2427.0	2310.5
5333.9	12.5°	5460.3	5470.1	5136.4	4476.8	3655.3	2871.3	2132.8	1739.8	1485.0	1390.2
5551.1	15°	5695.3	5681.4	5140.4	4178.6	2979.9	2030.1	1392.2	1143.4	1040.7	1009.1
5768.3	17.5°	5942.1	5884.8	5061.4	3748.1	2239.4	1388.3	1032.8	973.6	955.8	947.9
5983.6	20°	6185.0	6056.7	4917.2	3185.3	1607.5	1036.8	938.0	920.2	910.4	906.4
6200.8	22.5°	6406.2	6187.0	4670.4	2531.7	1167.1	916.3	886.7	870.9	853.1	845.2
6412.1	25°	6621.4	6262.0	4322.8	1921.5	934.1	857.1	833.4	803.7	780.0	770.2
6639.2	27.5°	6830.8	6309.4	3888.3	1421.8	833.4	801.8	758.3	716.8	699.1	695.1
6882.1	30°	7053.9	6325.2	3394.7	1060.5	772.1	732.6	669.5	622.1	612.2	614.2
7209.9	32.5°	7326.4	6348.9	2897.0	868.9	720.8	649.7	574.7	525.3	517.4	525.3
7687.8	35°	7652.3	6396.3	2417.1	799.8	675.4	564.8	483.8	442.4	434.5	440.4
8300.0	37.5°	8094.6	6473.3	1968.9	786.0	637.9	493.7	406.8	373.2	373.2	375.2
9050.4	40°	8683.1	6678.7	1568.0	776.1	618.1	440.4	343.6	329.8	335.7	339.7
10006.2	42.5°	9400.0	7115.1	1297.4	764.2	596.4	416.7	312.0	306.1	316.0	319.9
11151.6	45°	10203.7	7668.1	1202.6	744.5	576.6	432.5	298.2	290.3	302.1	304.1
12435.2	47.5°	11035.1	8209.2	1190.8	722.8	556.9	456.2	294.2	276.5	290.3	292.3
13805.7	50°	11876.3	8562.7	1202.6	689.2	525.3	456.2	296.2	262.6	274.5	280.4
15227.5	52.5°	12723.5	8724.6	1194.7	616.1	470.0	428.5	296.2	250.8	262.6	266.6
16763.9	55°	13545.0	8693.0	1074.3	507.5	398.9	379.2	288.3	240.9	248.8	250.8
18215.4	57.5°	14194.7	8252.6	851.1	395.0	323.9	316.0	262.6	229.1	235.0	233.0
19546.4	60°	14534.4	7285.0	608.2	304.1	254.7	248.8	231.0	213.3	217.2	207.4
20674.0	62.5°	14538.3	6005.3	406.8	240.9	203.4	197.5	197.5	191.6	187.6	167.9
21546.8	65°	14228.3	4585.4	270.5	191.6	163.9	154.0	165.9	163.9	150.1	122.4
21813.4	67.5°	13525.3	3005.6	205.4	150.1	126.4	120.5	132.3	138.2	128.4	102.7
20841.8	70°	12079.7	1749.7	169.8	116.5	94.8	88.9	106.6	118.5	106.6	82.9
17814.5	72.5°	10033.9	943.9	138.2	86.9	65.2	59.2	84.9	96.8	84.9	61.2
11430.0	75°	6510.9	505.5	106.6	57.3	33.6	37.5	63.2	71.1	59.2	39.5
3355.2	77.5°	2186.1	223.2	67.1	27.6	15.8	15.8	37.5	43.4	27.6	13.8
610.2	80°	487.8	92.8	27.6	11.8	5.9	5.9	7.9	7.9	3.9	0.0
187.6	82.5°	160.0	37.5	11.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0
47.4	85°	61.2	13.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.8	87.5°	23.7	2.0	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

<u>180°</u>
4877.7
4812.5
4232.0
3367.0
2261.1
1360.6
1009.1
945.9
902.5
843.2
766.2
691.2
614.2
523.3
438.4
373.2
339.7
319.9
306.1
294.2
282.4
266.6
250.8
233.0
205.4
161.9
118.5
100.7
79.0
59.2
35.5
11.8
0.0
0.0
0.0
0.0
0.0

F REPORT)