

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: P956941

Luminaire Tested: **GALN-SB9B-940-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956941  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9B-940-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

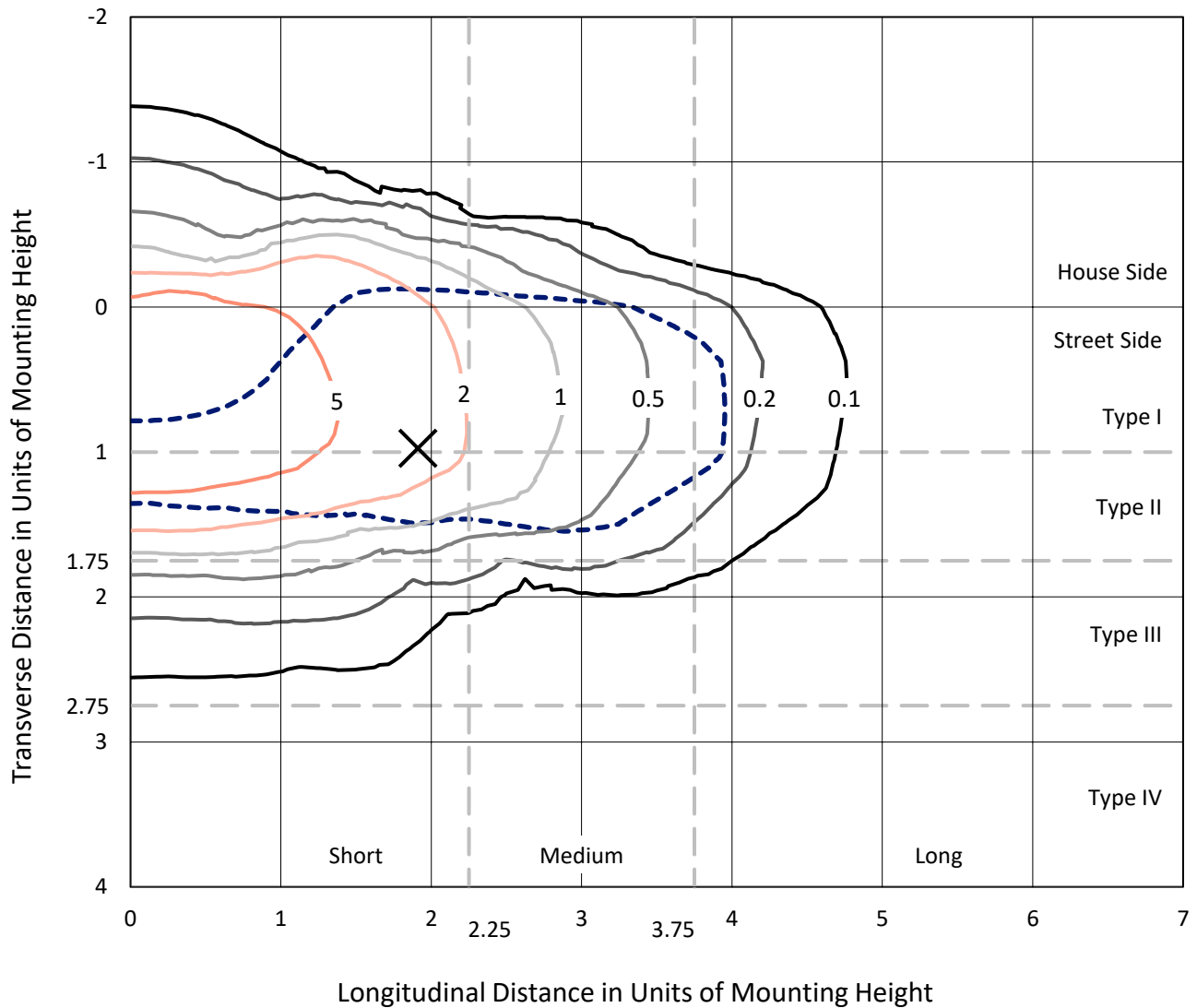
Lumens per Lamp: N/A  
Luminaire Lumens: 28404 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P956941  
 CATALOG NUMBER: GALN-SB9B-940-U-T2U-HSS

### Iso-Footcandle Lines of Horizontal Illumination

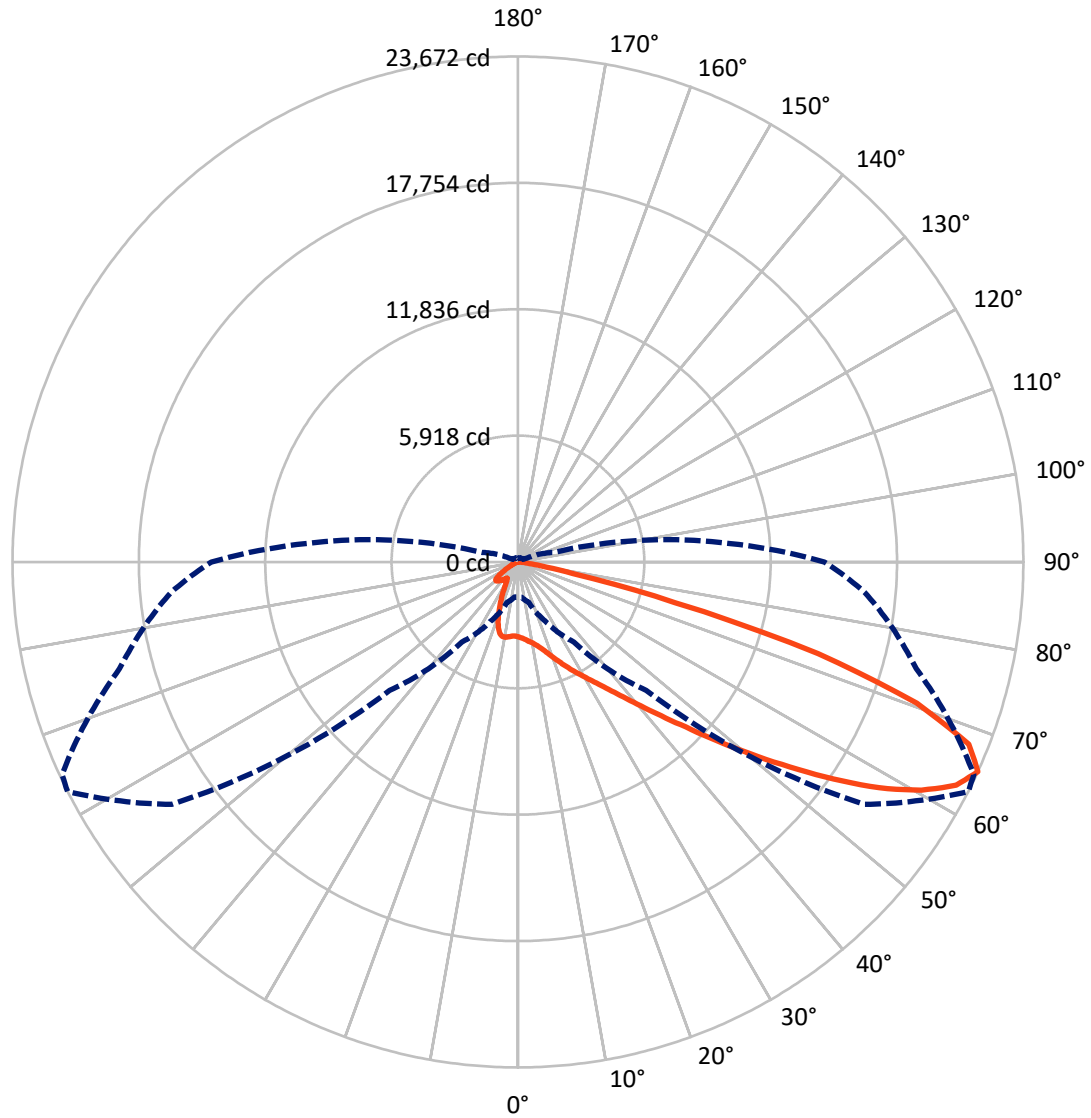
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P956941  
CATALOG NUMBER: GALN-SB9B-940-U-T2U-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P956941  
 CATALOG NUMBER: GALN-SB9B-940-U-T2U-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4175.2	0.0	4175.2
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	24228.8	0.0	24228.8
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	28404.0	0.0	28404.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	330.3	1.2
10°-20°	916.4	3.2
20°-30°	1595.8	5.6
30°-40°	2876.2	10.1
40°-50°	5704.4	20.1
50°-60°	7770.3	27.4
60°-70°	6202.2	21.8
70°-80°	2806.6	9.9
80°-90°	201.7	0.7
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°	28404.0	100.0
0°-180°	28404.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P956941

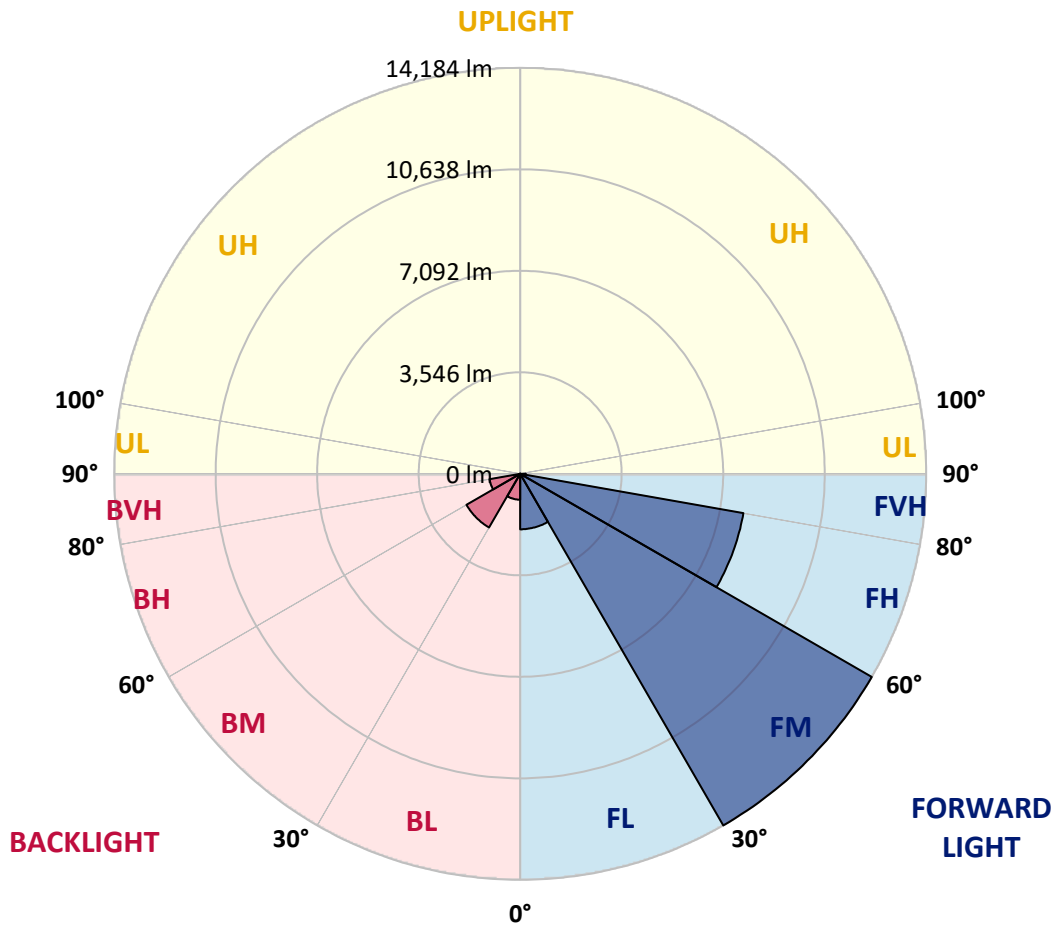
CATALOG NUMBER: GALN-SB9B-940-U-T2U-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1938.9	6.8			
FM (30°-60°)	14184.2	49.9			
FH (60°-80°)	7918.9	27.9			G4/12000
FVH (80°-90°)	186.8	0.7			G2/225
BL (0°-30°)	903.6	3.2	B2/1000		
BM (30°-60°)	2166.7	7.6	B2/2500		
BH (60°-80°)	1090.0	3.8	B3/2500		G3/2500
BVH (80°-90°)	15.0	0.1			G1/100
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 Short



REPORT NUMBER: P956941  
 CATALOG NUMBER: GALN-SB9B-940-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	3505.6	3505.6	3505.6	3505.6	3505.6	3505.6	3505.6	3505.6	3505.6	3505.6
2.5°	3587.7	3577.9	3591.6	3585.7	3581.8	3574.0	3570.1	3566.2	3558.4	3552.5
5°	3597.4	3591.6	3605.2	3617.0	3628.7	3640.4	3646.3	3654.1	3646.3	3630.7
7.5°	3515.4	3511.5	3540.8	3575.9	3628.7	3673.6	3722.5	3749.8	3751.8	3745.9
10°	3509.5	3499.7	3529.0	3572.0	3640.4	3720.5	3806.5	3865.1	3873.0	3898.4
12.5°	3601.3	3591.6	3632.6	3679.5	3749.8	3833.9	3939.4	4021.5	4033.2	4068.4
15°	3755.7	3742.0	3788.9	3849.5	3939.4	4035.1	4146.5	4220.8	4230.5	4273.5
17.5°	3935.5	3921.8	3976.5	4041.0	4138.7	4269.6	4398.6	4480.7	4492.4	4519.7
20°	4166.1	4148.5	4191.5	4250.1	4353.7	4510.0	4664.4	4781.6	4779.6	4779.6
22.5°	4433.8	4406.4	4443.5	4490.4	4588.1	4777.7	4982.9	5121.6	5121.6	5066.9
25°	4721.0	4693.7	4734.7	4777.7	4863.7	5078.6	5319.0	5490.9	5498.7	5404.9
27.5°	5080.6	5045.4	5076.7	5127.5	5178.3	5397.1	5682.4	5881.7	5885.6	5741.0
30°	5772.3	5672.6	5574.9	5520.2	5543.7	5760.6	6065.4	6286.2	6305.8	6106.4
32.5°	7038.5	7019.0	6675.1	6225.6	5991.2	6151.4	6493.4	6759.1	6770.8	6514.8
35°	9006.3	8982.8	8429.8	7574.0	6809.9	6675.1	7013.1	7327.7	7319.9	7030.7
37.5°	11355.1	11333.6	10604.7	9459.6	8222.7	7466.5	7683.4	8013.6	8062.5	7683.4
40°	13361.9	13281.8	12820.6	11716.6	10098.6	8779.6	8637.0	8855.8	8906.6	8457.2
42.5°	14882.1	14813.8	14579.3	13889.5	12369.2	10721.9	9760.5	9844.6	9901.2	9361.9
45°	15669.6	15654.0	15747.8	15683.3	14682.8	13105.9	11366.8	11017.0	11038.5	10364.4
47.5°	15781.0	15773.2	16201.1	16806.9	16672.1	15794.7	13428.3	12478.7	12402.4	11495.8
50°	15124.5	15108.8	15929.5	17064.8	18000.8	18053.6	15769.3	14125.9	13957.9	12666.2
52.5°	13027.7	13023.8	14372.1	16261.7	18467.9	20031.1	18082.9	15935.4	15654.0	13905.1
55°	10024.3	10096.6	11642.3	13875.8	17615.9	20982.7	20160.1	17944.2	17512.3	15151.8
57.5°	7101.1	7206.6	8734.7	10723.9	14974.0	20420.0	21565.0	19956.9	19491.8	16394.6
60°	3814.3	3908.1	5438.2	7812.3	11140.1	18321.3	22305.6	21703.8	21264.1	17574.8
62.5°	2272.6	2303.8	2937.0	5043.4	7534.9	13997.0	21991.0	23034.5	22673.0	18565.6
65°	1631.6	1637.5	1956.0	3079.6	4574.5	8504.1	19784.9	23671.5	23560.1	19312.0
67.5°	1373.7	1369.8	1502.7	2045.9	3116.7	4259.9	15163.5	22770.7	23243.6	19784.9
70°	1178.3	1184.2	1340.5	1498.8	2342.9	2411.3	7538.8	19825.9	20834.2	19910.0
72.5°	877.4	896.9	1041.5	1365.9	1768.4	1659.0	2602.8	14700.4	16523.6	18759.0
75°	619.4	629.2	732.8	1149.0	1319.0	1207.6	1328.8	7599.4	9936.4	14381.9
77.5°	476.8	494.4	555.0	803.1	1299.5	848.1	812.9	2630.2	4041.0	8687.8
80°	257.9	289.2	400.6	580.4	912.5	599.9	402.5	1047.4	1369.8	4062.5
82.5°	132.9	148.5	279.4	418.2	519.8	523.7	199.3	435.8	564.7	1254.5
85°	52.8	64.5	187.6	230.6	267.7	257.9	89.9	175.9	203.2	347.8
87.5°	11.7	19.5	68.4	52.8	50.8	54.7	21.5	41.0	39.1	41.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956941  
 CATALOG NUMBER: GALN-SB9B-940-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3505.6	0°	3505.6	3505.6	3505.6	3505.6	3505.6	3505.6	3505.6	3505.6	3505.6	3505.6
3529.0	2.5°	3527.1	3519.3	3497.8	3474.3	3447.0	3431.3	3421.6	3419.6	3405.9	3396.2
3607.2	5°	3585.7	3577.9	3536.9	3488.0	3435.2	3394.2	3355.1	3320.0	3269.1	3259.4
3720.5	7.5°	3703.0	3681.5	3615.0	3548.6	3448.9	3329.7	3185.1	3019.0	2870.5	2825.6
3871.0	10°	3847.6	3818.2	3734.2	3617.0	3396.2	3071.8	2722.0	2397.6	2139.7	2067.4
4048.8	12.5°	4011.7	3986.3	3874.9	3658.0	3175.4	2587.2	2051.8	1649.2	1399.1	1336.6
4238.4	15°	4207.1	4170.0	4015.6	3595.5	2780.6	1965.8	1408.9	1170.5	1080.6	1068.9
4455.3	17.5°	4414.2	4353.7	4140.7	3370.8	2249.1	1397.2	1088.4	1020.0	980.9	969.2
4674.1	20°	4603.8	4525.6	4214.9	3030.8	1680.5	1088.4	975.1	930.1	895.0	881.3
4893.0	22.5°	4793.3	4681.9	4214.9	2567.6	1260.4	965.3	895.0	853.9	812.9	795.3
5127.5	25°	4990.7	4842.2	4140.7	2051.8	1014.2	885.2	818.8	773.8	738.6	717.1
5350.2	27.5°	5182.2	4977.0	3970.7	1563.3	902.8	814.8	748.4	705.4	672.2	656.6
5592.5	30°	5363.9	5109.9	3732.3	1186.1	830.5	746.5	683.9	646.8	613.6	597.9
5907.1	32.5°	5610.1	5277.9	3478.2	973.1	767.9	682.0	625.3	590.1	560.8	549.1
6315.5	35°	5952.1	5526.1	3259.4	955.5	715.2	629.2	572.5	539.3	510.0	500.2
6843.1	37.5°	6436.7	5926.7	3144.1	1072.8	672.2	582.3	529.6	494.4	467.0	459.2
7513.4	40°	7034.6	6469.9	3206.6	1190.0	642.9	541.3	490.5	455.3	431.8	422.1
8283.3	42.5°	7744.0	7140.1	3552.5	1279.9	623.3	506.1	453.3	414.3	398.6	394.7
9156.7	45°	8558.8	7876.8	4082.0	1375.7	592.1	472.9	416.2	386.9	375.2	373.2
10106.4	47.5°	9485.0	8685.8	4695.6	1494.9	560.8	441.6	386.9	367.4	357.6	353.7
11097.1	50°	10403.4	9500.7	5326.8	1561.3	535.4	412.3	363.5	347.8	340.0	338.1
12144.5	52.5°	11364.8	10339.0	5836.8	1498.8	513.9	388.9	343.9	332.2	324.4	322.4
13109.8	55°	12281.3	11017.0	5924.7	1272.1	470.9	365.4	322.4	316.6	306.8	306.8
14088.8	57.5°	13070.7	11357.0	5303.3	934.0	427.9	330.2	300.9	295.1	287.2	285.3
14972.0	60°	13795.7	11259.3	4093.8	629.2	381.0	295.1	273.6	269.7	261.8	252.1
15740.0	62.5°	14204.1	10829.4	2800.2	410.4	334.1	257.9	242.3	240.3	222.8	203.2
16308.6	65°	14358.5	9946.2	1746.9	299.0	279.4	220.8	209.1	205.2	179.8	158.3
16631.0	67.5°	14223.6	8492.4	881.3	236.4	220.8	183.7	172.0	172.0	154.4	134.8
16611.5	70°	13684.3	6366.3	371.3	189.5	170.0	140.7	140.7	148.5	130.9	109.4
15749.8	72.5°	12513.8	4283.3	197.4	144.6	127.0	99.7	115.3	121.2	103.6	82.1
12891.0	75°	9948.1	2612.6	136.8	107.5	80.1	70.3	87.9	91.8	70.3	54.7
8838.2	77.5°	6804.0	1500.7	91.8	68.4	50.8	41.0	60.6	56.7	37.1	25.4
3407.9	80°	2987.8	625.3	52.8	31.3	19.5	15.6	21.5	15.6	11.7	7.8
467.0	82.5°	349.8	146.6	19.5	11.7	7.8	3.9	2.0	0.0	0.0	0.0
142.6	85°	72.3	17.6	9.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0
25.4	87.5°	13.7	3.9	2.0	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°
3505.6
3405.9
3255.5
2804.1
2040.0
1319.0
1057.1
963.4
873.5
785.5
709.3
656.6
599.9
549.1
500.2
457.3
420.1
394.7
371.3
353.7
338.1
322.4
304.8
283.3
250.1
199.3
156.3
132.9
107.5
82.1
52.8
27.4
7.8
0.0
0.0
0.0
0.0

F REPORT)