

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: STREETWORKS

Report Number: P851167

Luminaire Tested: **GLAN-SB9A-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31445 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

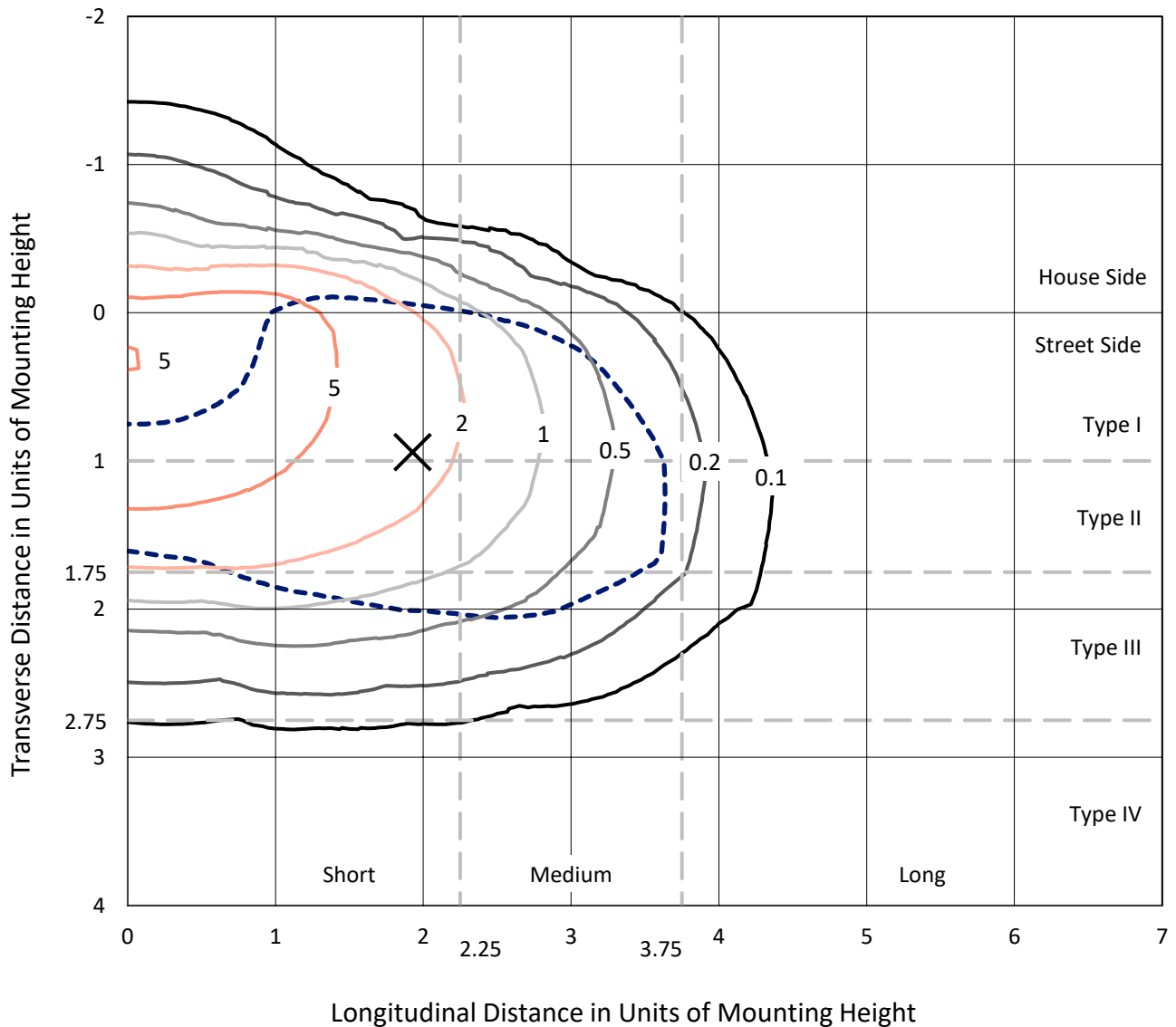
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851167
 CATALOG NUMBER: GLAN-SB9A-735-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

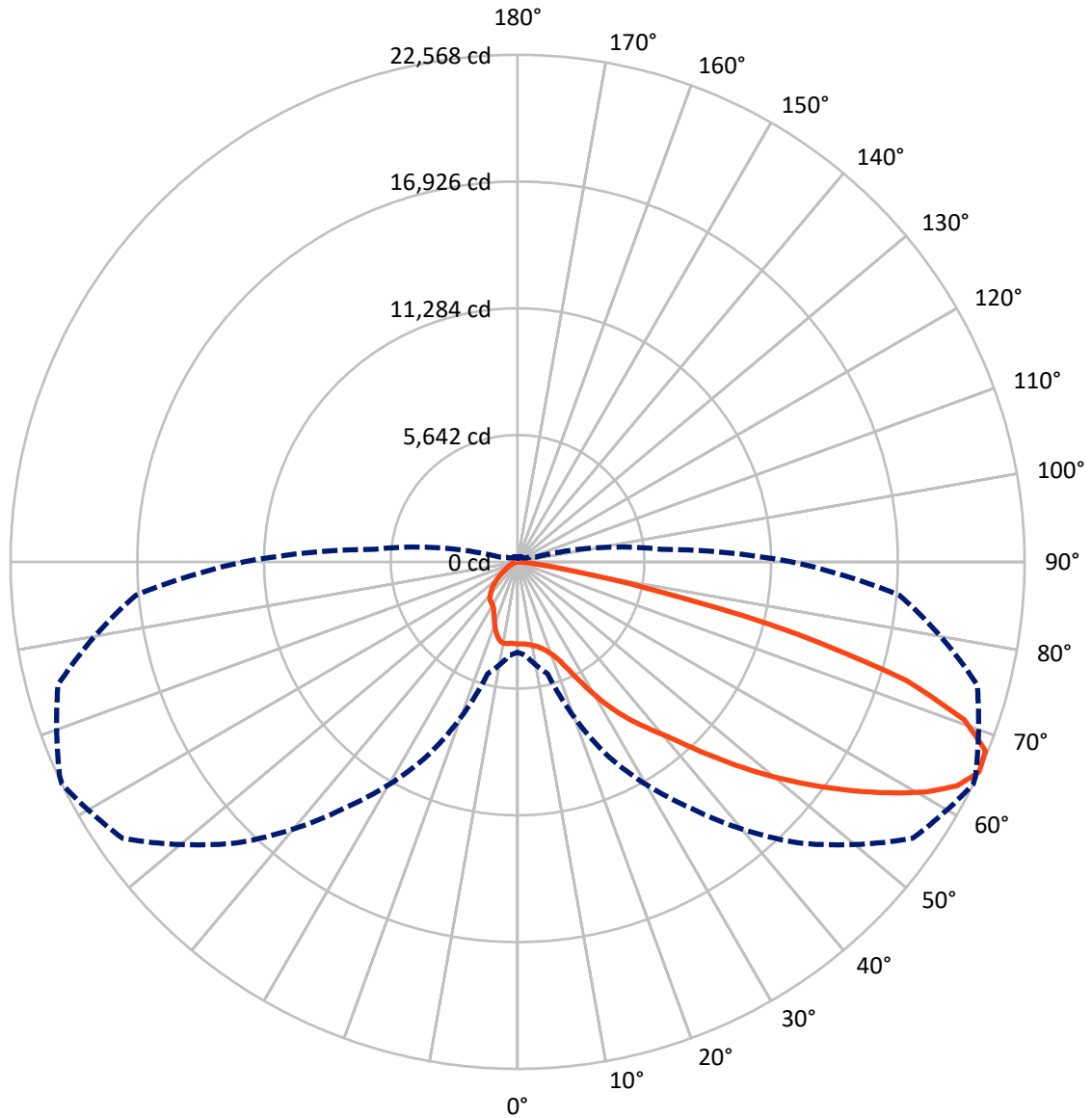
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P851167
CATALOG NUMBER: GLAN-SB9A-735-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P851167
 CATALOG NUMBER: GLAN-SB9A-735-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4205.1	0.0	4205.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	27239.8	0.0	27239.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	31445.0	0.0	31445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.4	1.1
10°-20°	915.2	2.9
20°-30°	1734.2	5.5
30°-40°	3509.3	11.2
40°-50°	5978.1	19.0
50°-60°	8129.7	25.9
60°-70°	7634.2	24.3
70°-80°	3058.6	9.7
80°-90°	148.2	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°	31445.0	100.0
0°-180°	31445.0	100.0

Coefficient of Utilization



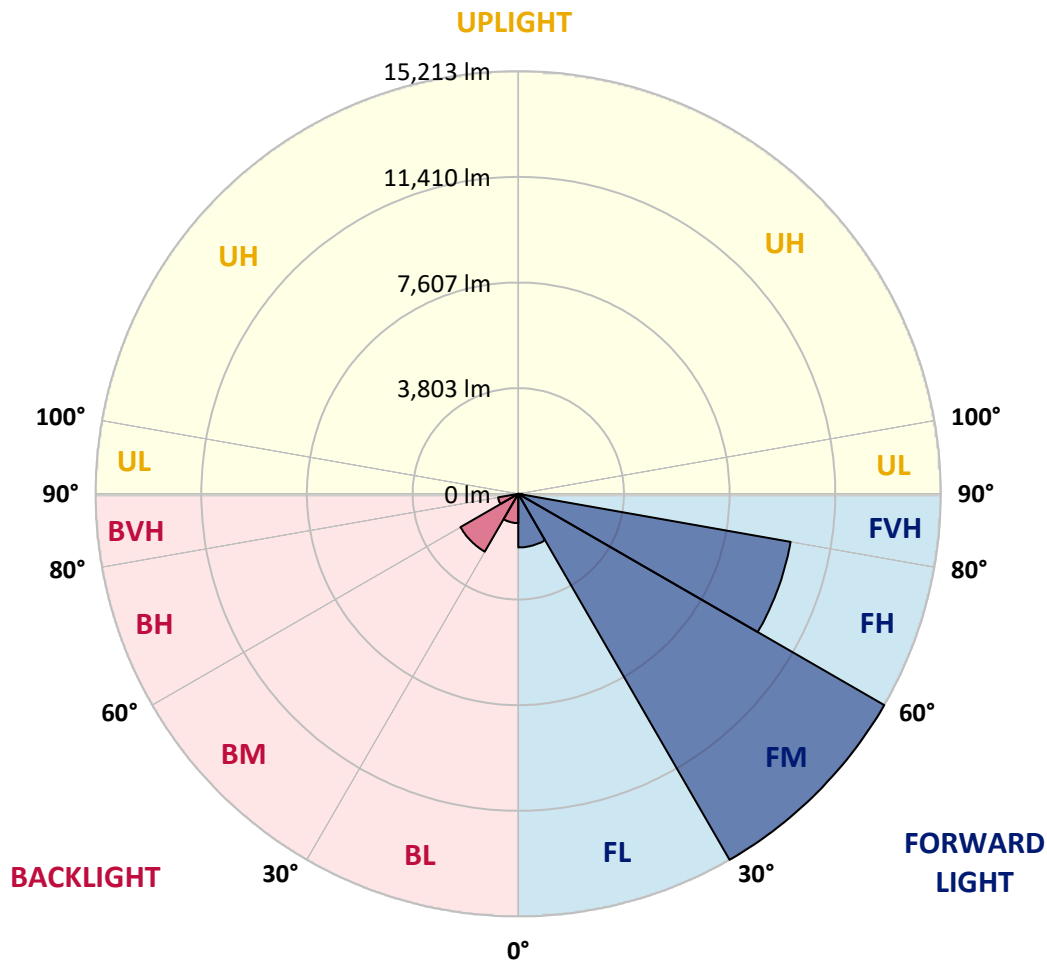
REPORT NUMBER: P851167
 CATALOG NUMBER: GLAN-SB9A-735-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1931.1	6.1			
FM (30°-60°)	15213.1	48.4			
FH (60°-80°)	9954.8	31.7			G4/12000
FVH (80°-90°)	140.9	0.4			G2/225
BL (0°-30°)	1055.8	3.4	B3/2500		
BM (30°-60°)	2404.1	7.6	B2/2500		
BH (60°-80°)	738.1	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.2	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 Short



REPORT NUMBER: P851167
 CATALOG NUMBER: GLAN-SB9A-735-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3657.4	3657.4	3657.4	3657.4	3657.4	3657.4	3657.4	3657.4	3657.4	3657.4
2.5°	3644.7	3670.0	3663.7	3657.4	3655.3	3659.5	3661.6	3659.5	3659.5	3659.5
5°	3575.2	3596.2	3596.2	3611.0	3632.1	3657.4	3676.4	3680.6	3684.8	3691.1
7.5°	3442.4	3459.2	3471.9	3520.4	3573.1	3640.5	3697.4	3726.9	3731.2	3754.3
10°	3351.7	3372.8	3393.9	3444.5	3520.4	3621.5	3718.5	3790.2	3800.7	3855.5
12.5°	3347.5	3368.6	3396.0	3450.8	3539.3	3646.8	3764.9	3868.2	3887.2	3967.3
15°	3391.8	3417.1	3442.4	3509.8	3604.7	3735.4	3861.9	3990.4	4009.4	4123.2
17.5°	3482.4	3516.1	3535.1	3602.6	3703.8	3849.2	4015.7	4163.3	4180.2	4313.0
20°	3661.6	3701.6	3708.0	3762.8	3861.9	4017.8	4216.0	4399.4	4420.5	4572.3
22.5°	4032.6	4089.5	4038.9	4066.3	4154.9	4310.9	4525.9	4757.8	4787.3	4960.1
25°	4686.1	4766.2	4635.5	4589.1	4627.1	4789.4	5059.2	5352.2	5385.9	5525.1
27.5°	5969.9	5866.6	5668.4	5474.5	5360.6	5453.4	5756.9	6119.5	6161.7	6296.6
30°	7380.1	7289.5	7021.7	6591.7	6321.9	6307.1	6587.5	6992.2	7040.7	7169.3
32.5°	8792.5	8706.0	8415.1	7886.0	7418.1	7186.2	7380.1	7829.1	7854.4	7936.6
35°	10181.6	10093.1	9802.2	9260.4	8685.0	8158.0	8120.0	8625.9	8634.4	8720.8
37.5°	11579.2	11505.5	11195.6	10664.4	10097.3	9370.1	9018.0	9380.6	9391.1	9475.5
40°	12576.3	12607.9	12395.0	11984.0	11497.0	10702.3	10025.6	10183.7	10120.5	10261.7
42.5°	13432.2	13495.4	13309.9	13103.3	12820.9	12121.0	11273.6	11246.2	11145.0	11220.9
45°	14172.1	14224.8	14058.3	14009.8	14003.4	13512.3	12637.5	12473.0	12331.8	12317.0
47.5°	14444.0	14545.2	14616.9	14779.2	15095.4	14888.8	14047.7	13792.6	13634.5	13518.6
50°	14547.3	14654.8	14899.3	15371.5	16119.9	16208.4	15451.6	15165.0	14971.0	14760.2
52.5°	14408.2	14600.0	14928.9	15723.6	16809.2	17266.6	16798.7	16547.8	16326.5	15982.9
55°	13588.2	13780.0	14452.4	15719.4	17152.8	18008.6	18071.9	17960.2	17711.4	17169.7
57.5°	11859.6	12144.2	13208.7	15183.9	17146.5	18647.4	19319.8	19399.9	19121.7	18345.9
60°	9464.9	9850.7	11149.2	13997.1	16617.4	18993.1	20413.9	20814.4	20519.3	19505.3
62.5°	6604.4	7051.3	8280.2	12137.9	15407.4	18744.3	21212.8	21952.7	21729.3	20542.5
65°	4028.4	4171.7	5162.5	9551.3	13350.0	17703.0	21459.4	22568.2	22494.5	21177.0
67.5°	2683.5	2803.6	3088.2	6549.6	10362.9	15622.4	20869.2	22460.7	22481.8	21073.7
70°	1616.8	1720.1	1905.6	3809.2	6716.1	12365.5	19041.6	21090.5	21212.8	19692.9
72.5°	666.1	735.7	904.3	1726.5	3478.2	7848.1	15162.8	18107.7	18392.3	16558.3
75°	377.3	413.2	531.2	866.4	1509.3	3657.4	9184.6	12854.6	13274.1	11412.7
77.5°	250.9	267.7	343.6	560.7	849.5	1247.9	3925.1	6697.1	7498.2	6233.4
80°	168.6	183.4	236.1	375.2	552.3	535.4	1250.0	2481.1	3052.4	2141.7
82.5°	113.8	115.9	168.6	246.6	349.9	259.3	368.9	771.5	969.7	619.8
85°	65.3	63.2	124.4	143.3	156.0	107.5	111.7	231.9	303.6	261.4
87.5°	8.4	12.6	48.5	37.9	21.1	23.2	23.2	40.1	59.0	63.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851167
 CATALOG NUMBER: GLAN-SB9A-735-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3657.4	0°	3657.4	3657.4	3657.4	3657.4	3657.4	3657.4	3657.4	3657.4	3657.4	3657.4
3661.6	2.5°	3661.6	3659.5	3653.2	3646.8	3632.1	3623.7	3627.9	3623.7	3621.5	3623.7
3689.0	5°	3689.0	3682.7	3665.8	3644.7	3615.2	3579.4	3556.2	3522.5	3490.8	3471.9
3762.8	7.5°	3762.8	3756.5	3733.3	3674.2	3579.4	3429.7	3292.7	3172.5	3081.9	3029.2
3880.8	10°	3880.8	3870.3	3834.5	3703.8	3455.0	3128.3	2856.3	2630.8	2483.2	2413.7
4020.0	12.5°	4020.0	4007.3	3944.1	3676.4	3218.9	2708.8	2333.6	2082.7	1945.7	1884.6
4180.2	15°	4184.4	4167.5	4043.1	3545.7	2875.3	2245.0	1901.4	1713.8	1625.3	1570.5
4384.6	17.5°	4388.9	4359.3	4116.9	3349.6	2502.2	1890.9	1635.8	1494.6	1416.6	1363.9
4652.4	20°	4654.5	4606.0	4175.9	3115.6	2158.6	1667.4	1456.6	1338.6	1279.6	1233.2
5031.8	22.5°	5025.5	4955.9	4247.6	2862.7	1916.2	1513.5	1323.8	1237.4	1188.9	1136.2
5560.9	25°	5485.0	5402.8	4336.2	2628.7	1749.6	1380.7	1226.9	1155.2	1098.3	1037.1
6254.4	27.5°	6128.0	5980.4	4441.6	2436.8	1606.3	1266.9	1138.3	1058.2	992.9	942.3
7040.7	30°	6844.7	6602.3	4534.3	2320.9	1475.6	1161.5	1022.4	942.3	881.1	845.3
7746.9	32.5°	7523.5	7194.6	4595.4	2270.3	1357.6	1041.4	895.9	809.5	763.1	752.6
8438.3	35°	8164.3	7730.0	4589.1	2221.8	1252.2	921.2	771.5	683.0	647.2	653.5
9182.4	37.5°	8902.1	8301.3	4544.8	2145.9	1165.7	811.6	664.0	586.0	554.4	556.5
10086.8	40°	9760.0	8961.1	4517.4	2002.6	1070.9	710.4	575.5	512.2	489.1	480.6
11039.6	42.5°	10674.9	9599.8	4521.7	1840.3	952.8	619.8	514.4	461.7	440.6	434.2
12099.9	45°	11594.0	10209.0	4528.0	1671.6	828.4	550.2	470.1	425.8	413.2	404.7
13175.0	47.5°	12458.3	10727.6	4409.9	1490.4	706.2	497.5	434.2	404.7	394.2	383.7
14254.3	50°	13263.5	11073.3	4125.4	1279.6	609.2	455.3	406.8	385.8	375.2	364.7
15232.4	52.5°	13889.6	11128.1	3655.3	1062.4	541.8	423.7	390.0	371.0	358.4	347.8
16022.9	55°	14167.9	10784.5	2987.0	860.1	489.1	396.3	373.1	354.1	339.4	328.8
16644.8	57.5°	14096.2	10061.5	2329.3	691.4	438.5	368.9	352.0	339.4	322.5	305.7
17148.6	60°	13744.2	9093.9	1756.0	575.5	392.1	339.4	328.8	318.3	295.1	269.8
17342.5	62.5°	13134.9	7877.6	1252.2	476.4	341.5	305.7	301.4	293.0	259.3	212.9
17055.8	65°	12203.2	6399.9	843.2	396.3	293.0	267.7	269.8	255.1	210.8	158.1
16006.0	67.5°	10841.4	4679.8	539.6	324.6	244.5	223.4	225.6	217.1	179.2	134.9
14016.1	70°	9106.6	3098.8	352.0	246.6	196.0	172.9	185.5	187.6	151.8	109.6
10757.1	72.5°	6676.0	1829.7	246.6	183.4	143.3	120.2	151.8	156.0	122.3	82.2
6471.6	75°	3804.9	868.5	185.5	132.8	88.5	84.3	118.0	118.0	84.3	54.8
2801.5	77.5°	1597.9	362.6	130.7	86.4	50.6	48.5	80.1	73.8	42.2	25.3
683.0	80°	461.7	162.3	69.6	42.2	21.1	19.0	31.6	23.2	10.5	4.2
259.3	82.5°	181.3	71.7	27.4	16.9	8.4	8.4	4.2	0.0	0.0	0.0
147.6	85°	107.5	29.5	12.6	6.3	2.1	0.0	0.0	0.0	0.0	0.0
31.6	87.5°	27.4	6.3	4.2	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°
3657.4
3632.1
3476.1
3031.3
2407.3
1878.2
1572.6
1359.7
1224.7
1127.8
1030.8
931.7
839.0
758.9
653.5
564.9
478.5
432.1
404.7
383.7
364.7
345.7
326.7
303.6
265.6
208.7
153.9
128.6
105.4
78.0
50.6
25.3
4.2
0.0
0.0
0.0
0.0

F REPORT)