

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: P852678

Luminaire Tested: **GLAN-SB5C-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852678  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23716 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

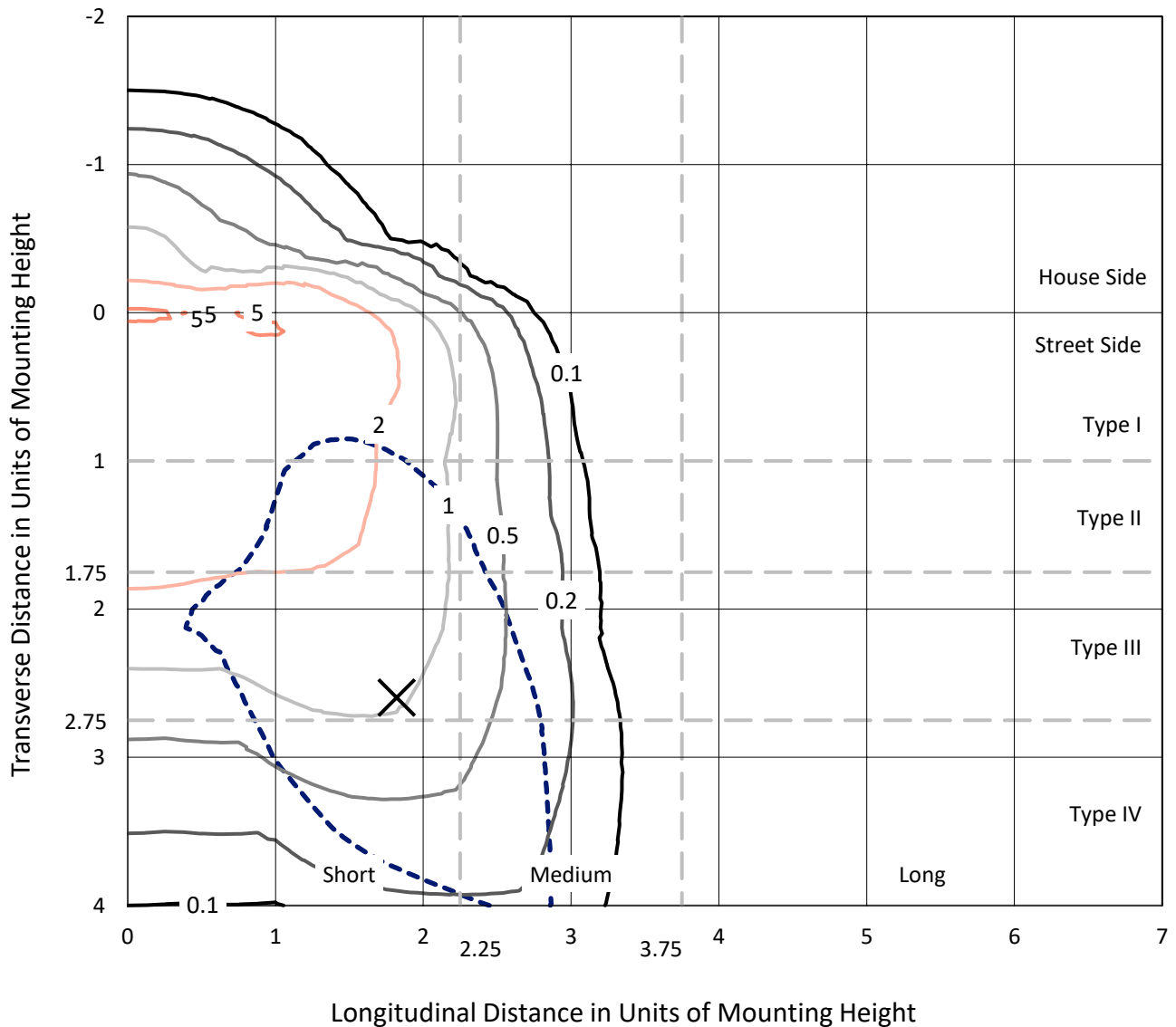
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P852678  
 CATALOG NUMBER: GLAN-SB5C-835-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

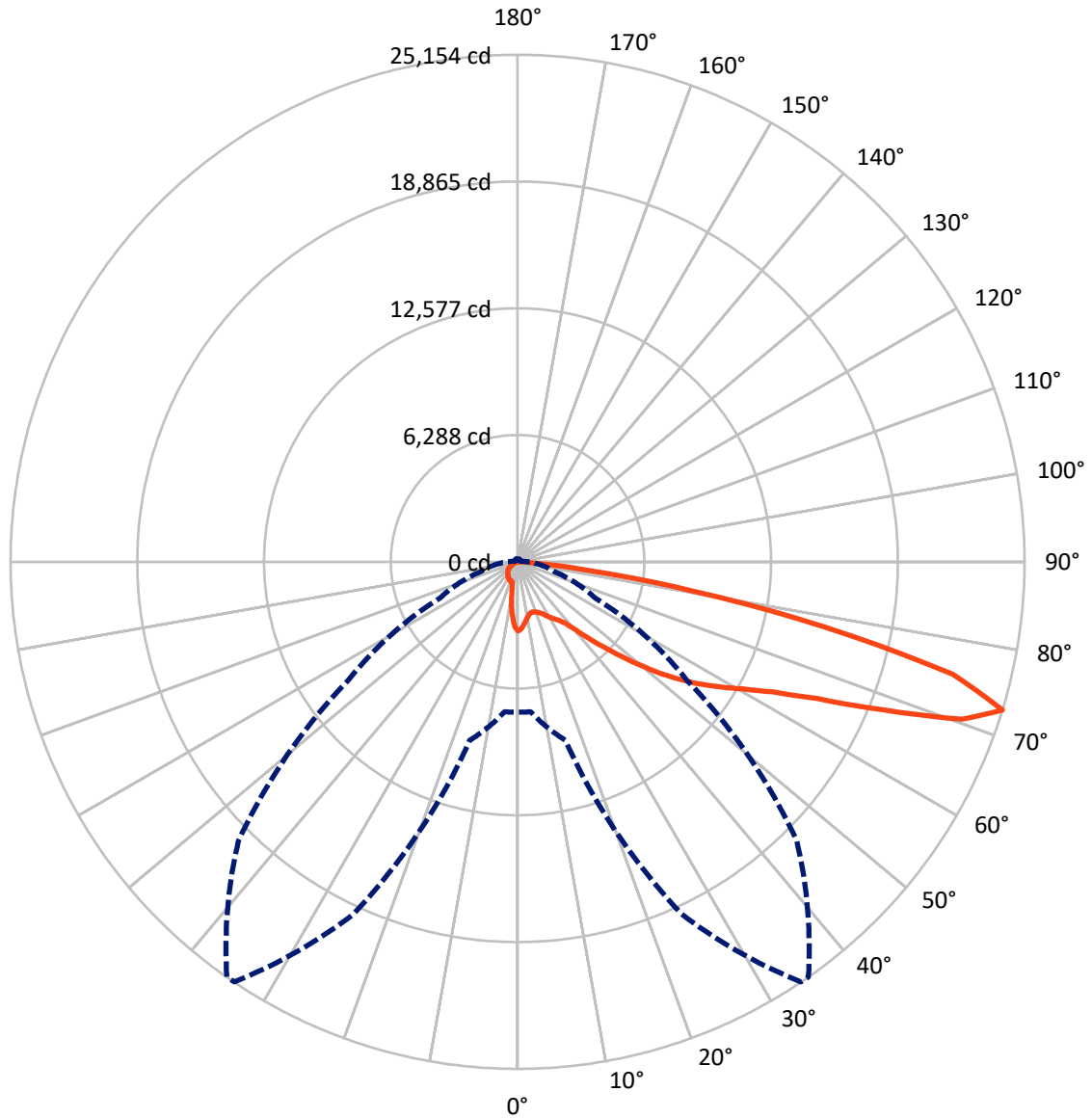
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P852678  
CATALOG NUMBER: GLAN-SB5C-835-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P852678  
 CATALOG NUMBER: GLAN-SB5C-835-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2669.1	0.0	2669.1
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	21046.9	0.0	21046.9
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	23716.0	0.0	23716.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.4	1.2
10°-20°	660.8	2.8
20°-30°	1073.4	4.5
30°-40°	1790.9	7.6
40°-50°	3388.5	14.3
50°-60°	5384.3	22.7
60°-70°	6660.7	28.1
70°-80°	4140.4	17.5
80°-90°	334.6	1.4
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°	23716.0	100.0
0°-180°	23716.0	100.0

**Coefficient of Utilization**



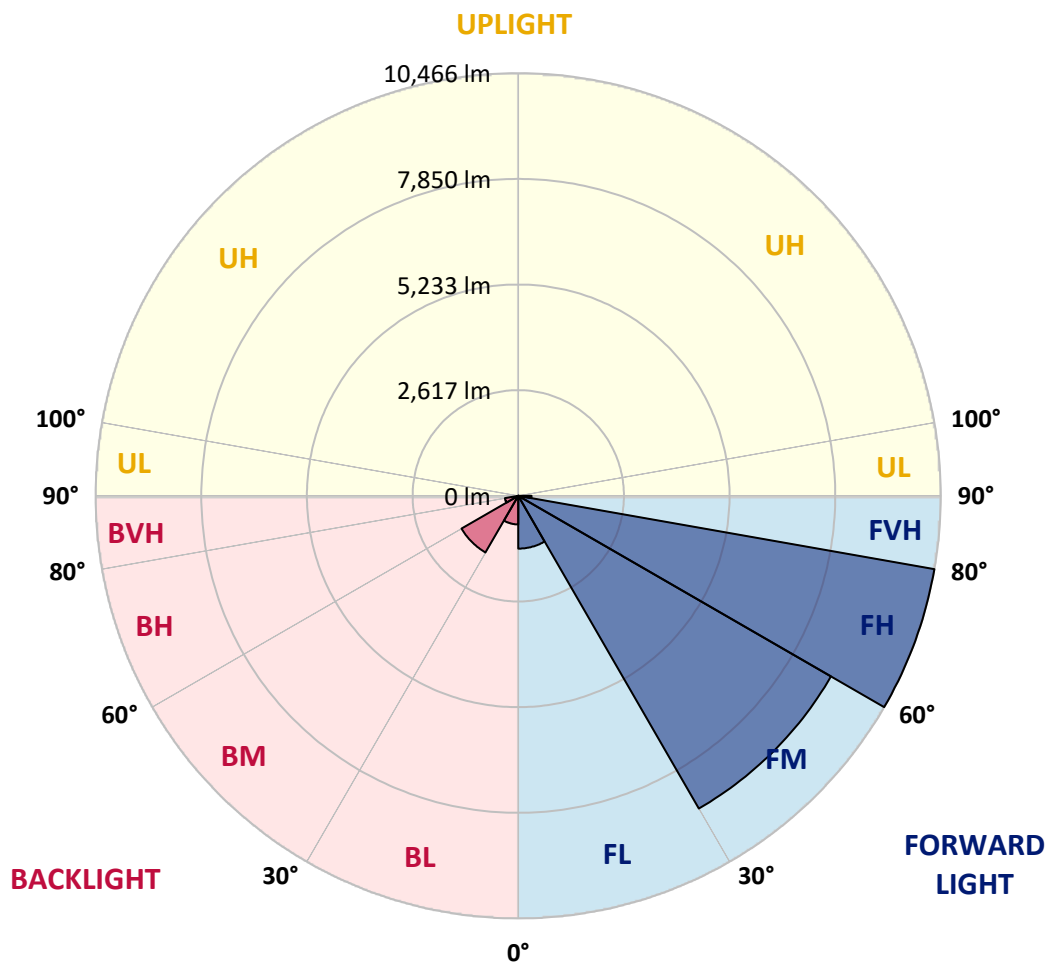
REPORT NUMBER: P852678  
 CATALOG NUMBER: GLAN-SB5C-835-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1307.4	5.5			
FM (30°-60°)	8943.3	37.7			
FH (60°-80°)	10466.2	44.1			G4/12000
FVH (80°-90°)	330.1	1.4			G3/500
BL (0°-30°)	709.2	3.0	B2/1000		
BM (30°-60°)	1620.4	6.8	B2/2500		
BH (60°-80°)	334.9	1.4	B1/500		G1/500
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type IV Short



REPORT NUMBER: P852678  
 CATALOG NUMBER: GLAN-SB5C-835-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3437.2	3437.2	3437.2	3437.2	3437.2	3437.2	3437.2	3437.2	3437.2	3437.2
2.5°	3284.3	3312.1	3317.3	3326.0	3326.0	3336.5	3353.8	3378.2	3418.1	3439.0
5°	3027.1	3048.0	3074.1	3094.9	3134.9	3140.1	3207.9	3273.9	3366.0	3435.5
7.5°	2768.2	2792.5	2827.3	2877.7	2929.8	2945.5	3048.0	3159.2	3305.2	3435.5
10°	2585.8	2587.5	2618.8	2669.2	2752.6	2771.7	2896.8	3054.9	3237.4	3414.7
12.5°	2483.2	2495.4	2509.3	2547.5	2627.5	2639.6	2773.4	2959.4	3169.6	3402.5
15°	2483.2	2491.9	2500.6	2519.7	2584.0	2594.4	2712.6	2898.5	3134.9	3407.7
17.5°	2509.3	2523.2	2516.2	2538.8	2606.6	2613.6	2717.8	2881.2	3133.1	3440.7
20°	2571.9	2582.3	2568.4	2582.3	2650.0	2664.0	2771.7	2914.2	3162.7	3498.1
22.5°	2670.9	2676.1	2643.1	2653.5	2723.0	2740.4	2865.5	3008.0	3233.9	3590.2
25°	2796.0	2806.4	2756.1	2768.2	2834.2	2855.1	2999.3	3148.8	3346.9	3717.0
27.5°	2940.3	2945.5	2902.0	2900.3	2985.4	3015.0	3160.9	3322.6	3498.1	3876.9
30°	3105.3	3121.0	3079.3	3072.3	3180.1	3204.4	3348.6	3536.3	3720.5	4116.7
32.5°	3235.7	3247.8	3223.5	3240.9	3350.4	3369.5	3576.3	3838.7	4069.8	4457.3
35°	3423.3	3430.3	3374.7	3406.0	3531.1	3579.7	3887.3	4262.7	4509.4	4884.8
37.5°	4102.8	4102.8	3866.5	3711.8	3831.7	3875.2	4313.1	4796.2	5051.6	5458.2
40°	5042.9	5027.3	4681.5	4365.2	4349.6	4434.7	4919.5	5468.7	5751.9	6146.4
42.5°	6045.6	6021.3	5550.3	5237.5	5185.4	5214.9	5619.8	6297.6	6586.0	6985.7
45°	6935.3	6928.4	6497.4	6076.9	5983.0	6076.9	6493.9	7267.2	7474.0	7894.5
47.5°	7680.8	7680.8	7366.3	7091.7	7043.0	7098.7	7677.3	8342.9	8323.8	8862.5
50°	8539.2	8532.3	8233.4	8115.2	8165.6	8243.8	9039.7	9475.9	9203.1	9813.0
52.5°	9140.5	9182.2	9079.7	9060.6	9317.7	9453.3	10422.9	10584.6	9990.2	10714.9
55°	9616.6	9665.3	9783.5	9917.3	10412.5	10589.8	11762.7	11635.9	10648.9	11496.9
57.5°	10290.9	10221.4	10403.8	10668.0	11469.1	11682.8	13060.8	12628.1	11178.9	12131.1
60°	11109.4	11119.8	11151.1	11484.7	12523.9	12798.4	14339.8	13566.5	11519.5	12520.4
62.5°	12092.9	12108.6	12172.8	12685.5	13940.1	14199.0	15702.2	14334.6	11675.9	12410.9
65°	12025.1	12091.2	12808.9	14562.2	16093.2	16348.6	17292.2	14873.3	11439.5	11410.0
67.5°	10954.7	11062.4	12263.2	16803.9	19339.3	19624.3	19214.2	14979.3	10419.5	8872.9
70°	9550.6	9588.8	11032.9	18819.7	23098.0	23386.5	20934.5	13813.3	7906.7	4949.1
72.5°	7458.4	7467.1	9161.3	19287.1	25138.1	25153.7	19584.3	10254.4	4252.2	1901.1
75°	5327.9	5275.8	6135.9	15641.4	22116.2	22293.4	14682.1	4810.1	1624.8	898.4
77.5°	2856.8	2914.2	3472.0	9276.0	15278.2	15580.5	8011.0	1386.7	827.2	611.7
80°	882.8	931.4	1423.2	4247.0	8653.9	8836.4	2969.8	616.9	576.9	436.2
82.5°	278.0	288.5	663.8	1784.7	3591.9	3675.3	860.2	349.3	394.5	288.5
85°	79.9	81.7	295.4	665.6	888.0	905.4	241.5	135.5	225.9	179.0
87.5°	8.7	27.8	111.2	111.2	78.2	76.5	26.1	29.5	64.3	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852678  
 CATALOG NUMBER: GLAN-SB5C-835-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3437.2	0°	3437.2	3437.2	3437.2	3437.2	3437.2	3437.2	3437.2	3437.2	3437.2	3437.2
3452.9	2.5°	3444.2	3445.9	3423.3	3385.1	3343.4	3308.7	3265.2	3230.5	3206.1	3199.2
3484.2	5°	3468.5	3456.4	3392.1	3275.6	3136.6	3016.7	2882.9	2776.9	2707.4	2677.9
3517.2	7.5°	3505.0	3470.3	3329.5	3100.1	2834.2	2597.9	2358.1	2172.2	2054.0	1994.9
3548.5	10°	3536.3	3466.8	3225.2	2846.4	2439.8	2081.8	1758.6	1534.4	1409.3	1350.2
3585.0	12.5°	3565.8	3465.0	3089.7	2545.8	1994.9	1557.0	1256.4	1145.2	1110.4	1098.2
3644.0	15°	3621.4	3470.3	2919.4	2201.7	1551.8	1176.4	1067.0	1065.2	1072.2	1068.7
3734.4	17.5°	3697.9	3475.5	2726.5	1836.8	1197.3	1037.4	1032.2	1047.9	1058.3	1053.1
3847.3	20°	3797.0	3496.3	2521.5	1475.3	1028.7	1002.7	1014.8	1028.7	1037.4	1028.7
3998.5	22.5°	3936.0	3532.8	2297.3	1185.1	974.9	981.8	992.2	1007.9	1016.6	1004.4
4191.4	25°	4106.3	3590.2	2076.6	1030.5	948.8	957.5	973.1	990.5	1000.9	988.8
4434.7	27.5°	4327.0	3682.3	1873.3	995.7	922.7	928.0	950.5	976.6	990.5	974.9
4780.5	30°	4646.7	3833.4	1697.8	1011.4	907.1	894.9	926.2	962.7	978.3	964.4
5251.4	32.5°	5070.7	4047.2	1590.0	1035.7	900.1	856.7	886.2	933.2	959.2	950.5
5866.6	35°	5626.8	4372.1	1548.3	1063.5	894.9	816.7	837.6	888.0	933.2	941.9
6641.6	37.5°	6301.0	4824.0	1560.5	1075.7	879.3	783.7	794.1	837.6	896.7	924.5
7514.0	40°	7067.4	5350.5	1630.0	1063.5	861.9	755.9	757.7	790.7	842.8	884.5
8452.4	42.5°	7858.0	5965.7	1758.6	1018.3	846.3	731.6	726.4	749.0	783.7	813.3
9389.0	45°	8610.5	6598.2	1885.4	955.8	827.2	707.3	695.1	703.8	710.7	722.9
10301.3	47.5°	9267.4	7043.0	1849.0	898.4	801.1	679.5	658.6	655.1	634.3	632.5
11116.3	50°	9720.9	7140.4	1642.2	841.1	762.9	648.2	615.2	594.3	557.8	540.4
11726.2	52.5°	9865.1	6756.3	1341.5	783.7	700.3	606.5	559.6	526.5	481.4	465.7
12077.3	55°	9674.0	6003.9	1072.2	714.2	613.4	550.9	498.7	455.3	418.8	399.7
12115.5	57.5°	9206.5	5046.4	848.0	632.5	521.3	488.3	436.2	392.7	361.4	342.3
11691.5	60°	8431.5	4007.2	670.8	535.2	444.9	420.5	366.7	338.9	311.1	288.5
10596.7	62.5°	7255.1	2860.3	526.5	424.0	371.9	344.1	312.8	291.9	258.9	227.6
8627.9	65°	5661.5	1749.9	406.6	311.1	298.9	285.0	265.9	246.8	206.8	175.5
5628.5	67.5°	3571.0	828.9	290.2	234.6	236.3	229.4	220.7	205.1	175.5	147.7
2521.5	70°	1572.7	401.4	191.2	179.0	175.5	175.5	182.5	177.2	149.4	123.4
875.8	72.5°	535.2	215.5	142.5	135.5	126.9	125.1	152.9	147.7	119.9	95.6
436.2	75°	279.8	144.2	104.3	97.3	76.5	92.1	121.6	114.7	85.1	62.6
288.5	77.5°	182.5	102.5	71.2	62.6	43.4	60.8	90.4	79.9	50.4	31.3
189.4	80°	114.7	67.8	41.7	29.5	20.9	33.0	48.7	34.8	19.1	7.0
111.2	82.5°	60.8	34.8	15.6	10.4	8.7	10.4	12.2	8.7	3.5	0.0
57.3	85°	24.3	12.2	5.2	3.5	1.7	0.0	3.5	1.7	0.0	0.0
10.4	87.5°	8.7	1.7	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°
3437.2
3211.3
2688.3
2003.6
1352.0
1094.8
1067.0
1051.3
1027.0
1002.7
987.0
974.9
962.7
950.5
941.9
931.4
898.4
825.4
729.8
630.8
542.2
464.0
399.7
338.9
283.3
222.4
170.3
144.2
118.2
90.4
57.3
27.8
5.2
0.0
0.0
0.0
0.0

F REPORT)