

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: P853022

Luminaire Tested: **GLAN-SB8A-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853022
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-SB8A-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 350mA 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: 23581 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

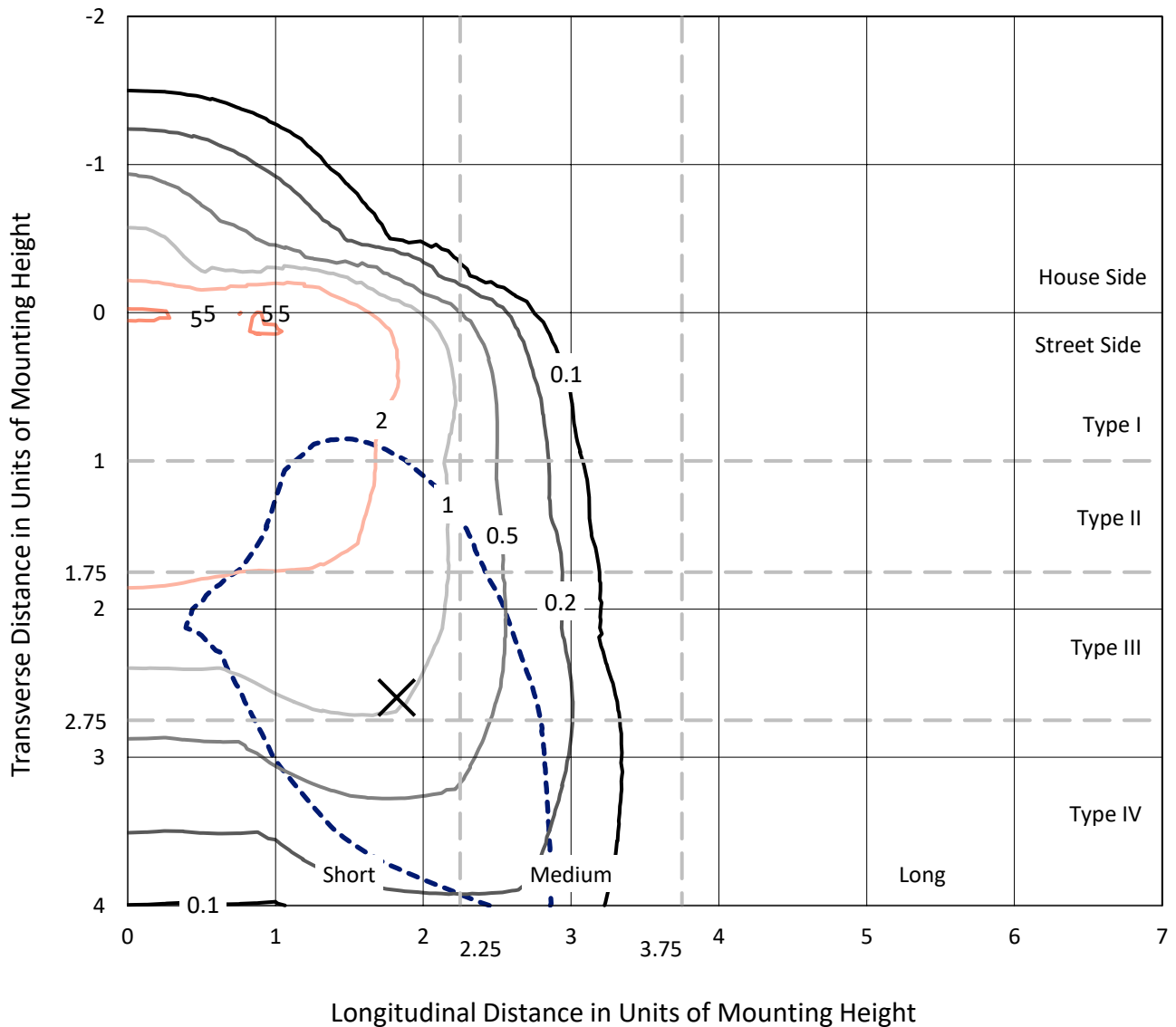
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853022
 CATALOG NUMBER: GLAN-SB8A-850-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

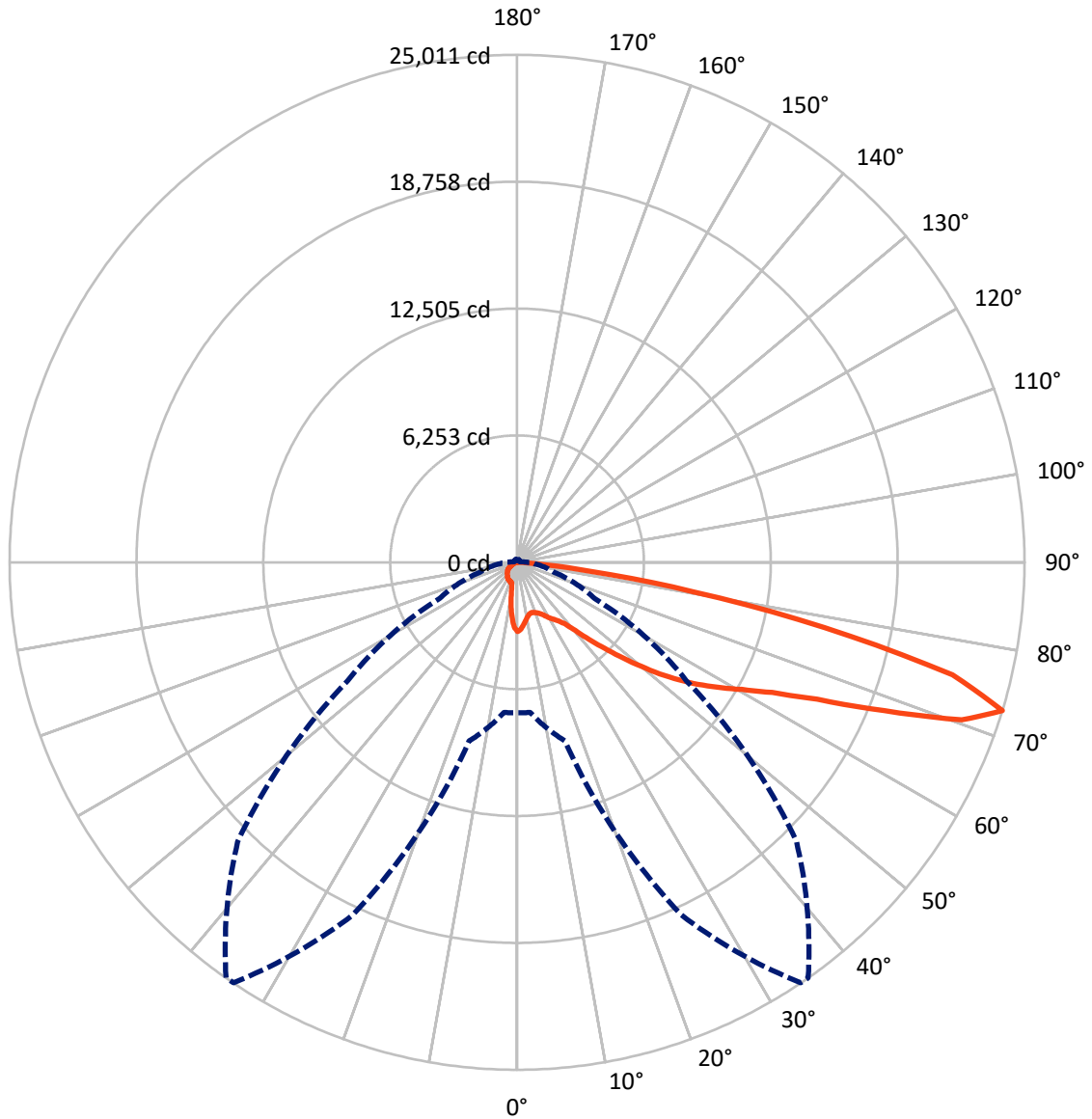
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P853022
CATALOG NUMBER: GLAN-SB8A-850-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P853022
 CATALOG NUMBER: GLAN-SB8A-850-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2653.9	0.0	2653.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	20927.1	0.0	20927.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	23581.0	0.0	23581.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.8	1.2
10°-20°	657.0	2.8
20°-30°	1067.3	4.5
30°-40°	1780.7	7.6
40°-50°	3369.2	14.3
50°-60°	5353.6	22.7
60°-70°	6622.8	28.1
70°-80°	4116.8	17.5
80°-90°	332.7	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°	23581.0	100.0
0°-180°	23581.0	100.0

Coefficient of Utilization



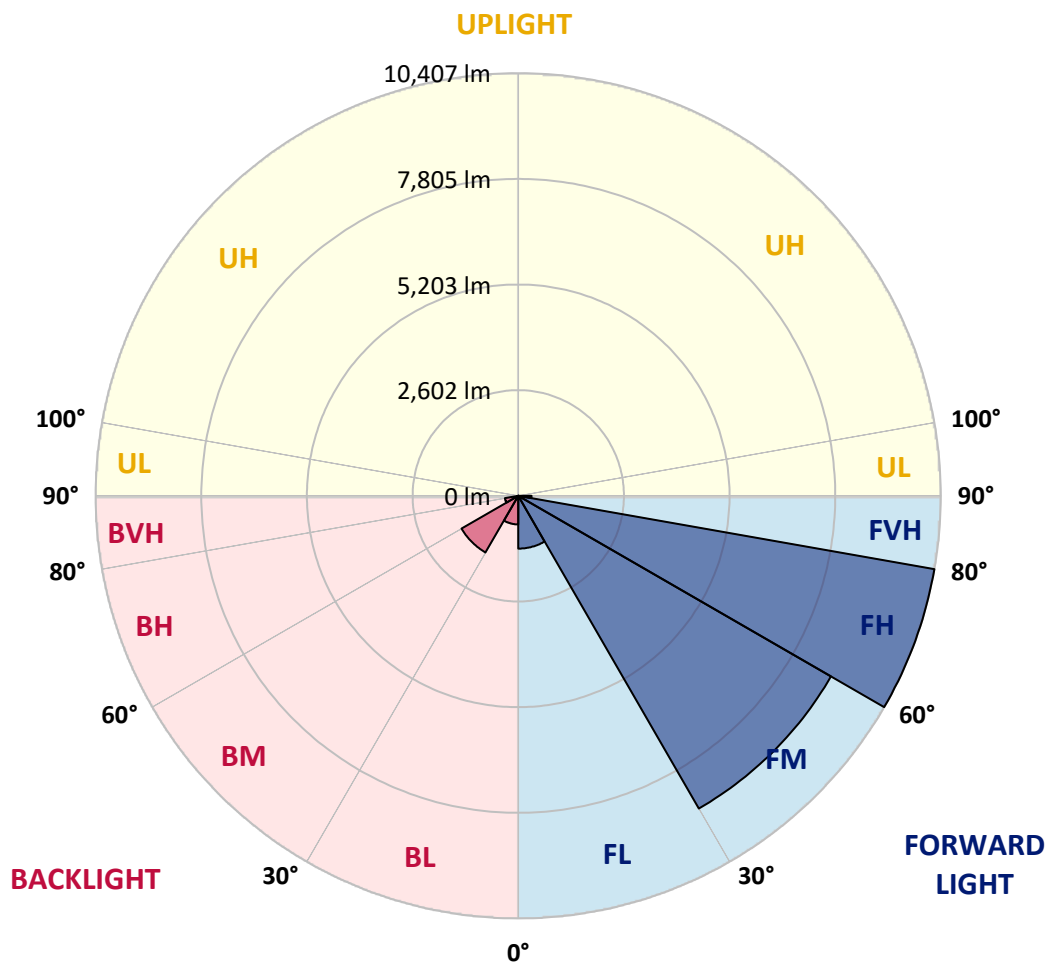
REPORT NUMBER: P853022
 CATALOG NUMBER: GLAN-SB8A-850-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1299.9	5.5			
FM (30°-60°)	8892.4	37.7			
FH (60°-80°)	10406.6	44.1			G4/12000
FVH (80°-90°)	328.2	1.4			G3/500
BL (0°-30°)	705.2	3.0	B2/1000		
BM (30°-60°)	1611.2	6.8	B2/2500		
BH (60°-80°)	333.0	1.4	B1/500		G1/500
BVH (80°-90°)	4.5	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: P853022
 CATALOG NUMBER: GLAN-SB8A-850-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3417.7	3417.7	3417.7	3417.7	3417.7	3417.7	3417.7	3417.7	3417.7	3417.7
2.5°	3265.6	3293.3	3298.5	3307.1	3307.1	3317.5	3334.7	3358.9	3398.7	3419.4
5°	3009.9	3030.6	3056.6	3077.3	3117.0	3122.2	3189.6	3255.3	3346.8	3415.9
7.5°	2752.5	2776.6	2811.2	2861.3	2913.1	2928.7	3030.6	3141.2	3286.4	3415.9
10°	2571.0	2572.8	2603.9	2654.0	2736.9	2755.9	2880.3	3037.6	3219.0	3395.2
12.5°	2469.1	2481.2	2495.0	2533.0	2612.5	2624.6	2757.6	2942.5	3151.6	3383.1
15°	2469.1	2477.7	2486.4	2505.4	2569.3	2579.7	2697.2	2882.0	3117.0	3388.3
17.5°	2495.0	2508.8	2501.9	2524.4	2591.8	2598.7	2702.3	2864.8	3115.3	3421.1
20°	2557.2	2567.6	2553.8	2567.6	2635.0	2648.8	2755.9	2897.6	3144.7	3478.2
22.5°	2655.7	2660.9	2628.1	2638.4	2707.5	2724.8	2849.2	2990.9	3215.5	3569.7
25°	2780.1	2790.5	2740.4	2752.5	2818.1	2838.8	2982.3	3130.9	3327.8	3695.9
27.5°	2923.5	2928.7	2885.5	2883.8	2968.4	2997.8	3143.0	3303.6	3478.2	3854.8
30°	3087.7	3103.2	3061.7	3054.8	3162.0	3186.1	3329.6	3516.2	3699.3	4093.3
32.5°	3217.2	3229.3	3205.2	3222.4	3331.3	3350.3	3555.9	3816.8	4046.6	4431.9
35°	3403.9	3410.8	3355.5	3386.6	3511.0	3559.4	3865.2	4238.4	4483.8	4857.0
37.5°	4079.4	4079.4	3844.5	3690.7	3809.9	3853.1	4288.5	4768.9	5022.8	5427.2
40°	5014.2	4998.7	4654.8	4340.3	4324.8	4409.5	4891.5	5437.5	5719.2	6111.4
42.5°	6011.2	5987.0	5518.7	5207.7	5155.9	5185.3	5587.9	6261.7	6548.5	6945.9
45°	6895.8	6888.9	6460.4	6042.3	5949.0	6042.3	6457.0	7225.8	7431.5	7849.6
47.5°	7637.1	7637.1	7324.3	7051.3	7003.0	7058.2	7633.6	8295.4	8276.4	8812.0
50°	8490.6	8483.7	8186.5	8069.0	8119.1	8196.9	8988.2	9421.9	9150.7	9757.1
52.5°	9088.5	9129.9	9028.0	9009.0	9264.7	9399.5	10363.6	10524.3	9933.4	10653.9
55°	9561.9	9610.3	9727.8	9860.8	10353.2	10529.5	11695.8	11569.7	10588.2	11431.4
57.5°	10232.3	10163.2	10344.6	10607.2	11403.8	11616.3	12986.5	12556.3	11115.2	12062.1
60°	11046.1	11056.5	11087.6	11419.3	12452.6	12725.6	14258.2	13489.3	11453.9	12449.1
62.5°	12024.1	12039.6	12103.6	12613.3	13860.8	14118.2	15612.8	14253.0	11609.4	12340.3
65°	11956.7	12022.3	12735.9	14479.3	16001.6	16255.6	17193.8	14788.6	11374.4	11345.0
67.5°	10892.3	10999.5	12193.4	16708.3	19229.2	19512.6	19104.8	14894.0	10360.2	8822.4
70°	9496.2	9534.2	10970.1	18712.6	22966.5	23253.3	20815.3	13734.6	7861.7	4920.9
72.5°	7415.9	7424.6	9109.2	19177.4	24995.0	25010.6	19472.8	10196.0	4228.0	1890.3
75°	5297.6	5245.7	6101.0	15552.3	21990.3	22166.5	14598.6	4782.7	1615.5	893.3
77.5°	2840.6	2897.6	3452.2	9223.2	15191.2	15491.9	7965.4	1378.8	822.5	608.2
80°	877.7	926.1	1415.1	4222.9	8604.7	8786.1	2952.9	613.4	573.6	433.7
82.5°	276.5	286.8	660.0	1774.5	3571.5	3654.4	855.3	347.3	392.2	286.8
85°	79.5	81.2	293.7	661.8	882.9	900.2	240.2	134.8	224.6	178.0
87.5°	8.6	27.6	110.6	110.6	77.8	76.0	25.9	29.4	63.9	22.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853022
 CATALOG NUMBER: GLAN-SB8A-850-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3417.7	0°	3417.7	3417.7	3417.7	3417.7	3417.7	3417.7	3417.7	3417.7	3417.7	3417.7
3433.2	2.5°	3424.6	3426.3	3403.9	3365.8	3324.4	3289.8	3246.6	3212.1	3187.9	3181.0
3464.3	5°	3448.8	3436.7	3372.8	3257.0	3118.8	2999.5	2866.5	2761.1	2692.0	2662.6
3497.2	7.5°	3485.1	3450.5	3310.6	3082.5	2818.1	2583.1	2344.7	2159.8	2042.3	1983.6
3528.3	10°	3516.2	3447.1	3206.9	2830.2	2425.9	2070.0	1748.6	1525.7	1401.3	1342.5
3564.5	12.5°	3545.5	3445.3	3072.1	2531.3	1983.6	1548.1	1249.2	1138.6	1104.1	1092.0
3623.3	15°	3600.8	3450.5	2902.8	2189.2	1543.0	1169.8	1060.9	1059.2	1066.1	1062.6
3713.1	17.5°	3676.9	3455.7	2711.0	1826.3	1190.5	1031.5	1026.3	1041.9	1052.3	1047.1
3825.4	20°	3775.3	3476.4	2507.1	1466.9	1022.9	997.0	1009.1	1022.9	1031.5	1022.9
3975.8	22.5°	3913.6	3512.7	2284.2	1178.4	969.3	976.2	986.6	1002.2	1010.8	998.7
4167.6	25°	4082.9	3569.7	2064.8	1024.6	943.4	952.0	967.6	984.9	995.2	983.1
4409.5	27.5°	4302.3	3661.3	1862.6	990.1	917.5	922.7	945.1	971.0	984.9	969.3
4753.3	30°	4620.3	3811.6	1688.1	1005.6	901.9	889.8	920.9	957.2	972.8	959.0
5221.5	32.5°	5041.9	4024.2	1581.0	1029.8	895.0	851.8	881.2	927.9	953.8	945.1
5833.2	35°	5594.8	4347.3	1539.5	1057.4	889.8	812.1	832.8	882.9	927.9	936.5
6603.8	37.5°	6265.2	4796.5	1551.6	1069.5	874.3	779.3	789.6	832.8	891.6	919.2
7471.2	40°	7027.1	5320.0	1620.7	1057.4	857.0	751.6	753.3	786.2	838.0	879.5
8404.2	42.5°	7813.3	5931.7	1748.6	1012.5	841.5	727.4	722.2	744.7	779.3	808.6
9335.5	45°	8561.5	6560.6	1874.7	950.3	822.5	703.2	691.1	699.8	706.7	718.8
10242.7	47.5°	9214.6	7003.0	1838.4	893.3	796.5	675.6	654.9	651.4	630.7	628.9
11053.0	50°	9665.6	7099.7	1632.8	836.3	758.5	644.5	611.7	590.9	554.6	537.4
11659.5	52.5°	9809.0	6717.9	1333.9	779.3	696.3	603.0	556.4	523.5	478.6	463.1
12008.5	55°	9618.9	5969.7	1066.1	710.1	609.9	547.7	495.9	452.7	416.4	397.4
12046.5	57.5°	9154.1	5017.7	843.2	628.9	518.4	485.5	433.7	390.5	359.4	340.4
11624.9	60°	8383.5	3984.4	666.9	532.2	442.3	418.1	364.6	336.9	309.3	286.8
10536.4	62.5°	7213.8	2844.0	523.5	421.6	369.8	342.1	311.0	290.3	257.4	226.3
8578.8	65°	5629.3	1739.9	404.3	309.3	297.2	283.4	264.4	245.4	205.6	174.5
5596.5	67.5°	3550.7	824.2	288.6	233.3	235.0	228.1	219.4	203.9	174.5	146.9
2507.1	70°	1563.7	399.1	190.1	178.0	174.5	174.5	181.4	176.2	148.6	122.7
870.8	72.5°	532.2	214.3	141.7	134.8	126.1	124.4	152.1	146.9	119.2	95.0
433.7	75°	278.2	143.4	103.7	96.8	76.0	91.6	120.9	114.0	84.7	62.2
286.8	77.5°	181.4	101.9	70.8	62.2	43.2	60.5	89.8	79.5	50.1	31.1
188.3	80°	114.0	67.4	41.5	29.4	20.7	32.8	48.4	34.6	19.0	6.9
110.6	82.5°	60.5	34.6	15.6	10.4	8.6	10.4	12.1	8.6	3.5	0.0
57.0	85°	24.2	12.1	5.2	3.5	1.7	0.0	3.5	1.7	0.0	0.0
10.4	87.5°	8.6	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°
3417.7
3193.1
2673.0
1992.2
1344.3
1088.5
1060.9
1045.3
1021.2
997.0
981.4
969.3
957.2
945.1
936.5
926.1
893.3
820.7
725.7
627.2
539.1
461.3
397.4
336.9
281.6
221.2
169.3
143.4
117.5
89.8
57.0
27.6
5.2
0.0
0.0
0.0
0.0

F REPORT)