

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: P852674

Luminaire Tested: **GLAN-SB5C-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852674
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-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 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: 22838 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

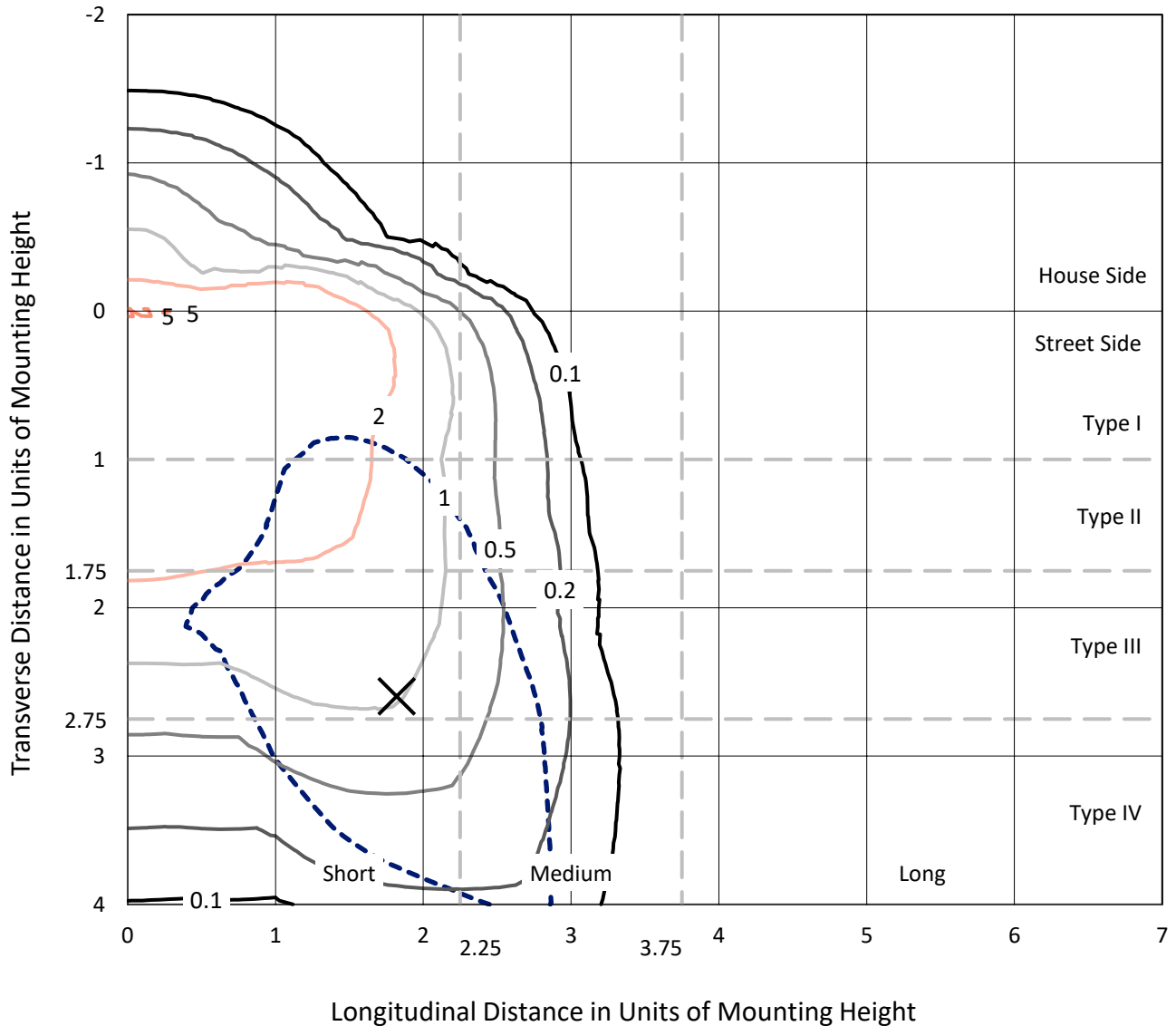
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852674
 CATALOG NUMBER: GLAN-SB5C-827-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

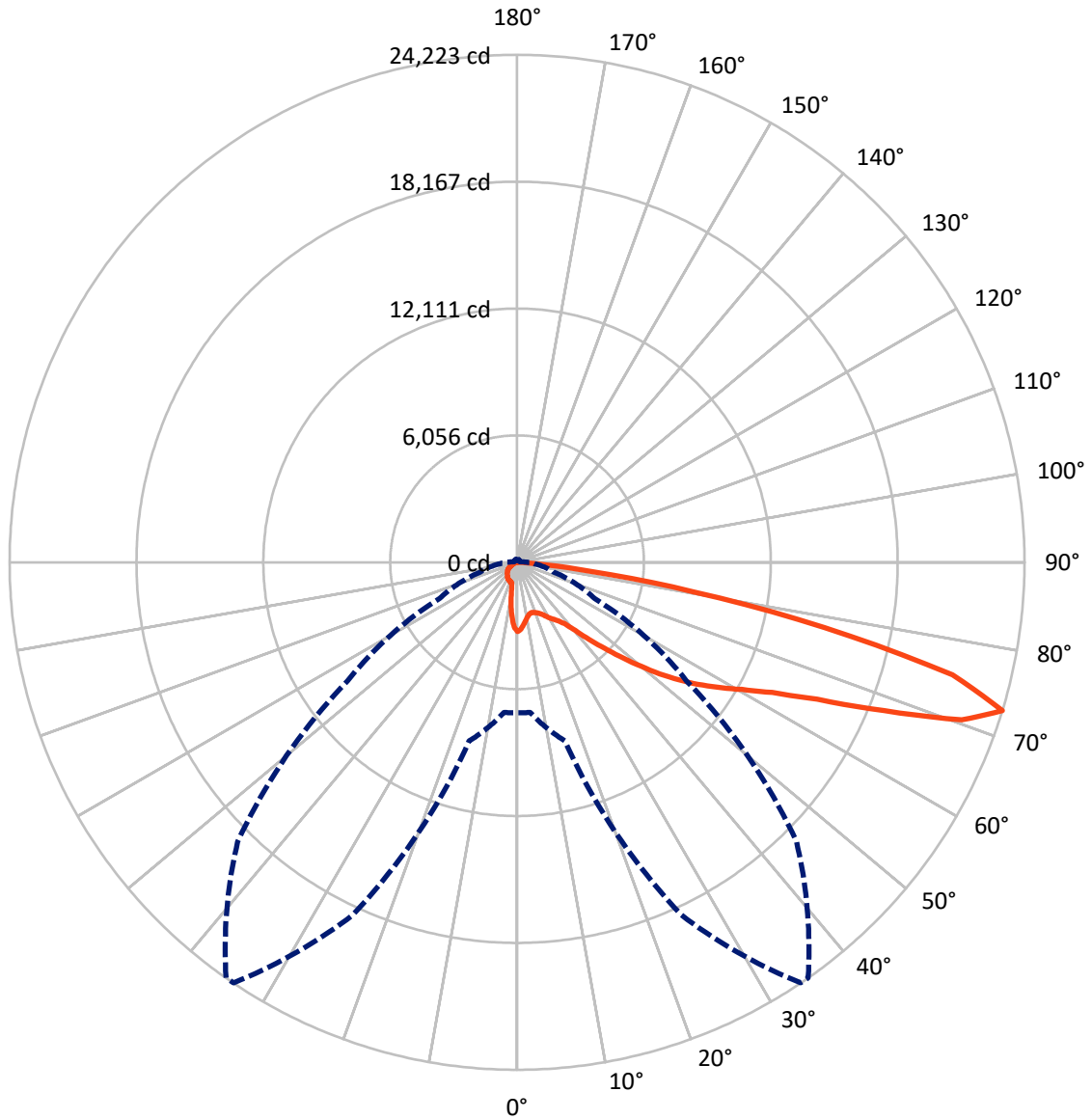
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P852674
CATALOG NUMBER: GLAN-SB5C-827-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852674
 CATALOG NUMBER: GLAN-SB5C-827-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2570.3	0.0	2570.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	20267.7	0.0	20267.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	22838.0	0.0	22838.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.0	1.2
10°-20°	636.3	2.8
20°-30°	1033.6	4.5
30°-40°	1724.6	7.6
40°-50°	3263.0	14.3
50°-60°	5185.0	22.7
60°-70°	6414.1	28.1
70°-80°	3987.1	17.5
80°-90°	322.2	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°	22838.0	100.0
0°-180°	22838.0	100.0

Coefficient of Utilization

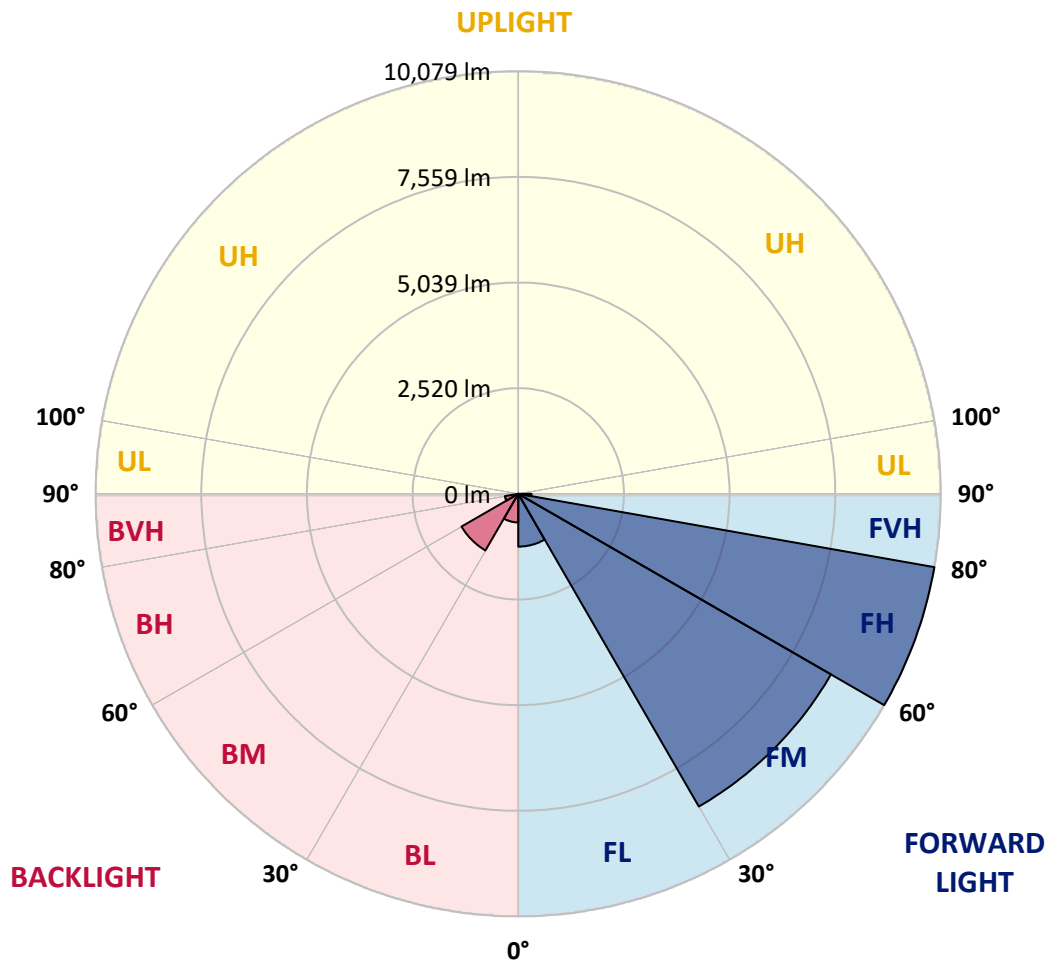


REPORT NUMBER: P852674
 CATALOG NUMBER: GLAN-SB5C-827-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1259.0	5.5			
FM (30°-60°)	8612.2	37.7			
FH (60°-80°)	10078.7	44.1			G4/12000
FVH (80°-90°)	317.8	1.4			G3/500
BL (0°-30°)	683.0	3.0	B2/1000		
BM (30°-60°)	1560.4	6.8	B2/2500		
BH (60°-80°)	322.5	1.4	B1/500		G1/500
BVH (80°-90°)	4.4	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: P852674
 CATALOG NUMBER: GLAN-SB5C-827-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0
2.5°	3162.7	3189.5	3194.5	3202.9	3202.9	3212.9	3229.7	3253.1	3291.6	3311.7
5°	2915.1	2935.1	2960.3	2980.3	3018.8	3023.8	3089.1	3152.7	3241.4	3308.3
7.5°	2665.7	2689.2	2722.6	2771.2	2821.4	2836.4	2935.1	3042.2	3182.8	3308.3
10°	2490.0	2491.7	2521.8	2570.3	2650.7	2669.1	2789.6	2941.8	3117.6	3288.2
12.5°	2391.3	2403.0	2416.4	2453.2	2530.2	2541.9	2670.8	2849.8	3052.3	3276.5
15°	2391.3	2399.7	2408.0	2426.4	2488.4	2498.4	2612.2	2791.2	3018.8	3281.5
17.5°	2416.4	2429.8	2423.1	2444.8	2510.1	2516.8	2617.2	2774.5	3017.1	3313.3
20°	2476.6	2486.7	2473.3	2486.7	2551.9	2565.3	2669.1	2806.3	3045.6	3368.6
22.5°	2572.0	2577.0	2545.2	2555.3	2622.2	2639.0	2759.4	2896.7	3114.2	3457.3
25°	2692.5	2702.5	2654.0	2665.7	2729.3	2749.4	2888.3	3032.2	3223.0	3579.4
27.5°	2831.4	2836.4	2794.6	2792.9	2874.9	2903.4	3043.9	3199.5	3368.6	3733.4
30°	2990.4	3005.4	2965.3	2958.6	3062.3	3085.8	3224.6	3405.4	3582.8	3964.3
32.5°	3115.9	3127.6	3104.2	3120.9	3226.3	3244.7	3443.9	3696.5	3919.1	4292.3
35°	3296.6	3303.3	3249.7	3279.9	3400.4	3447.2	3743.4	4104.9	4342.5	4703.9
37.5°	3950.9	3950.9	3723.3	3574.4	3689.9	3731.7	4153.4	4618.6	4864.6	5256.2
40°	4856.2	4841.2	4508.1	4203.6	4188.5	4270.5	4737.4	5266.2	5539.0	5918.8
42.5°	5821.8	5798.3	5344.9	5043.6	4993.4	5021.9	5411.8	6064.4	6342.2	6727.1
45°	6678.6	6671.9	6256.9	5851.9	5761.5	5851.9	6253.5	6998.2	7197.3	7602.3
47.5°	7396.4	7396.4	7093.6	6829.2	6782.3	6835.9	7393.1	8034.0	8015.6	8534.4
50°	8223.1	8216.4	7928.6	7814.8	7863.3	7938.6	8705.0	9125.1	8862.3	9449.7
52.5°	8802.1	8842.3	8743.5	8725.1	8972.8	9103.3	10037.1	10192.7	9620.4	10318.2
55°	9260.6	9307.5	9421.3	9550.1	10027.0	10197.7	11327.3	11205.1	10254.6	11071.2
57.5°	9909.9	9843.0	10018.7	10273.0	11044.5	11250.3	12577.3	12160.6	10765.0	11682.0
60°	10698.1	10708.1	10738.2	11059.5	12060.2	12324.6	13808.9	13064.3	11093.0	12056.9
62.5°	11645.2	11660.3	11722.2	12215.8	13424.0	13673.4	15120.9	13803.9	11243.6	11951.4
65°	11580.0	11643.5	12334.7	14023.1	15497.4	15743.4	16652.0	14322.7	11016.0	10987.6
67.5°	10549.1	10652.9	11809.2	16181.8	18623.3	18897.7	18502.8	14424.7	10033.7	8544.4
70°	9197.0	9233.8	10624.4	18123.0	22242.9	22520.7	20159.5	13301.9	7614.0	4765.9
72.5°	7182.2	7190.6	8822.2	18573.1	24207.5	24222.5	18859.3	9874.8	4094.8	1830.7
75°	5130.7	5080.5	5908.8	15062.3	21297.4	21468.1	14138.6	4632.0	1564.6	865.1
77.5°	2751.1	2806.3	3343.5	8932.6	14712.6	15003.7	7714.4	1335.4	796.5	589.0
80°	850.1	896.9	1370.5	4089.8	8333.5	8509.3	2859.8	594.1	555.6	420.0
82.5°	267.7	277.8	639.2	1718.6	3458.9	3539.2	828.3	336.4	379.9	277.8
85°	77.0	78.6	284.5	640.9	855.1	871.8	232.6	130.5	217.5	172.4
87.5°	8.4	26.8	107.1	107.1	75.3	73.6	25.1	28.4	61.9	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852674
 CATALOG NUMBER: GLAN-SB5C-827-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3310.0	0°	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0	3310.0
3325.1	2.5°	3316.7	3318.4	3296.6	3259.8	3219.6	3186.2	3144.3	3110.9	3087.4	3080.7
3355.2	5°	3340.1	3328.4	3266.5	3154.4	3020.5	2905.0	2776.2	2674.1	2607.2	2578.7
3387.0	7.5°	3375.3	3341.8	3206.2	2985.4	2729.3	2501.7	2270.8	2091.8	1978.0	1921.1
3417.1	10°	3405.4	3338.4	3105.8	2741.0	2349.5	2004.7	1693.5	1477.6	1357.1	1300.2
3452.2	12.5°	3433.8	3336.8	2975.3	2451.5	1921.1	1499.4	1209.9	1102.8	1069.3	1057.6
3509.1	15°	3487.4	3341.8	2811.3	2120.2	1494.3	1132.9	1027.5	1025.8	1032.5	1029.1
3596.1	17.5°	3561.0	3346.8	2625.6	1768.8	1153.0	999.0	994.0	1009.1	1019.1	1014.1
3704.9	20°	3656.4	3366.9	2428.1	1420.7	990.7	965.6	977.3	990.7	999.0	990.7
3850.5	22.5°	3790.3	3402.0	2212.2	1141.3	938.8	945.5	955.5	970.6	978.9	967.2
4036.2	25°	3954.3	3457.3	1999.7	992.3	913.7	922.0	937.1	953.8	963.9	952.2
4270.5	27.5°	4166.8	3545.9	1803.9	958.9	888.6	893.6	915.4	940.5	953.8	938.8
4603.5	30°	4474.7	3691.5	1634.9	973.9	873.5	861.8	891.9	927.1	942.1	928.7
5057.0	32.5°	4883.0	3897.4	1531.2	997.3	866.8	825.0	853.4	898.6	923.7	915.4
5649.4	35°	5418.5	4210.3	1491.0	1024.1	861.8	786.5	806.6	855.1	898.6	907.0
6395.7	37.5°	6067.8	4645.4	1502.7	1035.8	846.7	754.7	764.7	806.6	863.5	890.3
7235.8	40°	6805.7	5152.4	1569.7	1024.1	830.0	727.9	729.6	761.4	811.6	851.8
8139.4	42.5°	7567.1	5744.8	1693.5	980.6	814.9	704.5	699.5	721.2	754.7	783.2
9041.4	45°	8291.7	6353.9	1815.6	920.4	796.5	681.1	669.4	677.7	684.4	696.1
9919.9	47.5°	8924.3	6782.3	1780.5	865.1	771.4	654.3	634.2	630.9	610.8	609.1
10704.8	50°	9361.0	6876.0	1581.4	809.9	734.6	624.2	592.4	572.3	537.2	520.4
11292.1	52.5°	9499.9	6506.2	1291.9	754.7	674.4	584.0	538.8	507.0	463.5	448.5
11630.2	55°	9315.8	5781.6	1032.5	687.8	590.7	530.5	480.3	438.4	403.3	384.9
11667.0	57.5°	8865.7	4859.6	816.6	609.1	502.0	470.2	420.0	378.2	348.1	329.7
11258.7	60°	8119.4	3858.9	645.9	515.4	428.4	405.0	353.1	326.3	299.5	277.8
10204.4	62.5°	6986.5	2754.4	507.0	408.3	358.1	331.3	301.2	281.1	249.3	219.2
8308.4	65°	5451.9	1685.1	391.6	299.5	287.8	274.4	256.0	237.6	199.1	169.0
5420.2	67.5°	3438.8	798.2	279.5	225.9	227.6	220.9	212.5	197.5	169.0	142.2
2428.1	70°	1514.4	386.6	184.1	172.4	169.0	169.0	175.7	170.7	143.9	118.8
843.4	72.5°	515.4	207.5	137.2	130.5	122.2	120.5	147.3	142.2	115.5	92.0
420.0	75°	269.4	138.9	100.4	93.7	73.6	88.7	117.1	110.4	82.0	60.2
277.8	77.5°	175.7	98.7	68.6	60.2	41.8	58.6	87.0	77.0	48.5	30.1
182.4	80°	110.4	65.3	40.2	28.4	20.1	31.8	46.9	33.5	18.4	6.7
107.1	82.5°	58.6	33.5	15.1	10.0	8.4	10.0	11.7	8.4	3.3	0.0
55.2	85°	23.4	11.7	5.0	3.3	1.7	0.0	3.3	1.7	0.0	0.0
10.0	87.5°	8.4	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°
<hr/>
3310.0
3092.4
2588.8
1929.4
1301.9
1054.2
1027.5
1012.4
989.0
965.6
950.5
938.8
927.1
915.4
907.0
896.9
865.1
794.9
702.8
607.4
522.1
446.8
384.9
326.3
272.8
214.2
164.0
138.9
113.8
87.0
55.2
26.8
5.0
0.0
0.0
0.0
0.0

F REPORT)