

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: P850547

Luminaire Tested: **GLAN-SB8A-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850547
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-SB8A-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 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: 23554 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

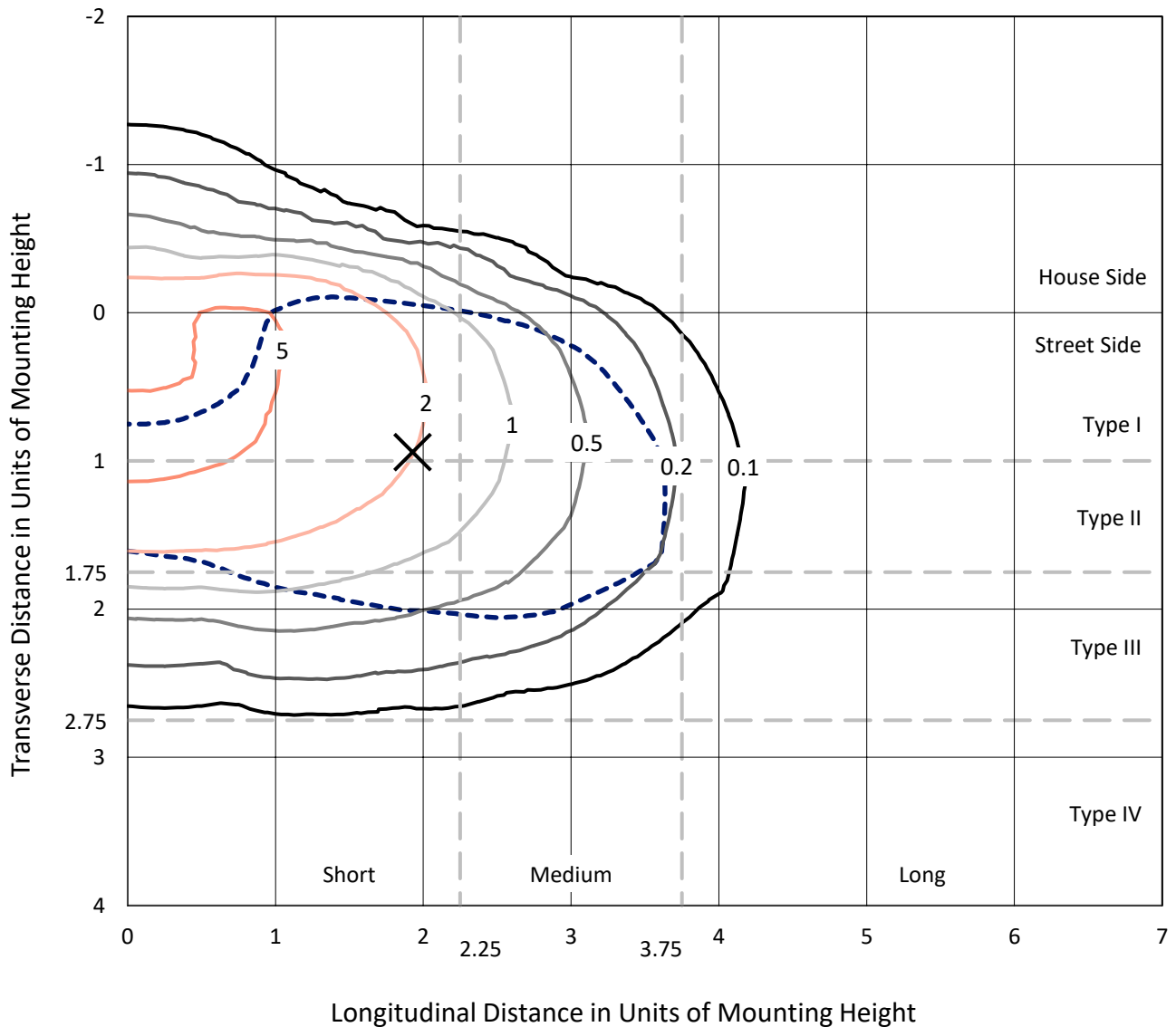
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850547
 CATALOG NUMBER: GLAN-SB8A-835-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

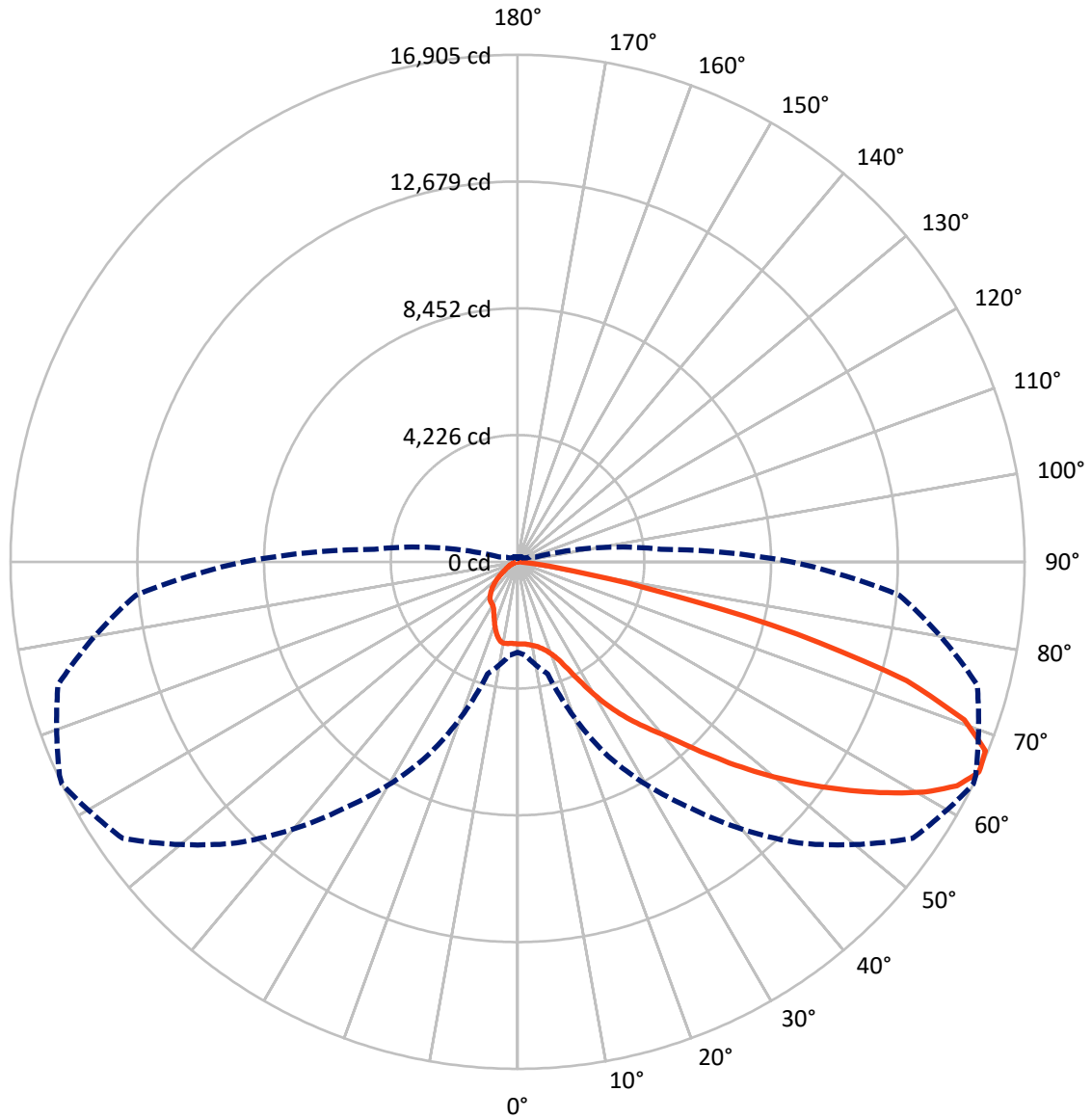
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Short - N/A

REPORT NUMBER: P850547
CATALOG NUMBER: GLAN-SB8A-835-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850547
 CATALOG NUMBER: GLAN-SB8A-835-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3149.9	0.0	3149.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	20404.1	0.0	20404.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	23554.0	0.0	23554.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.8	1.1
10°-20°	685.5	2.9
20°-30°	1299.0	5.5
30°-40°	2628.6	11.2
40°-50°	4477.9	19.0
50°-60°	6089.6	25.9
60°-70°	5718.5	24.3
70°-80°	2291.1	9.7
80°-90°	111.0	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°	23554.0	100.0
0°-180°	23554.0	100.0

Coefficient of Utilization



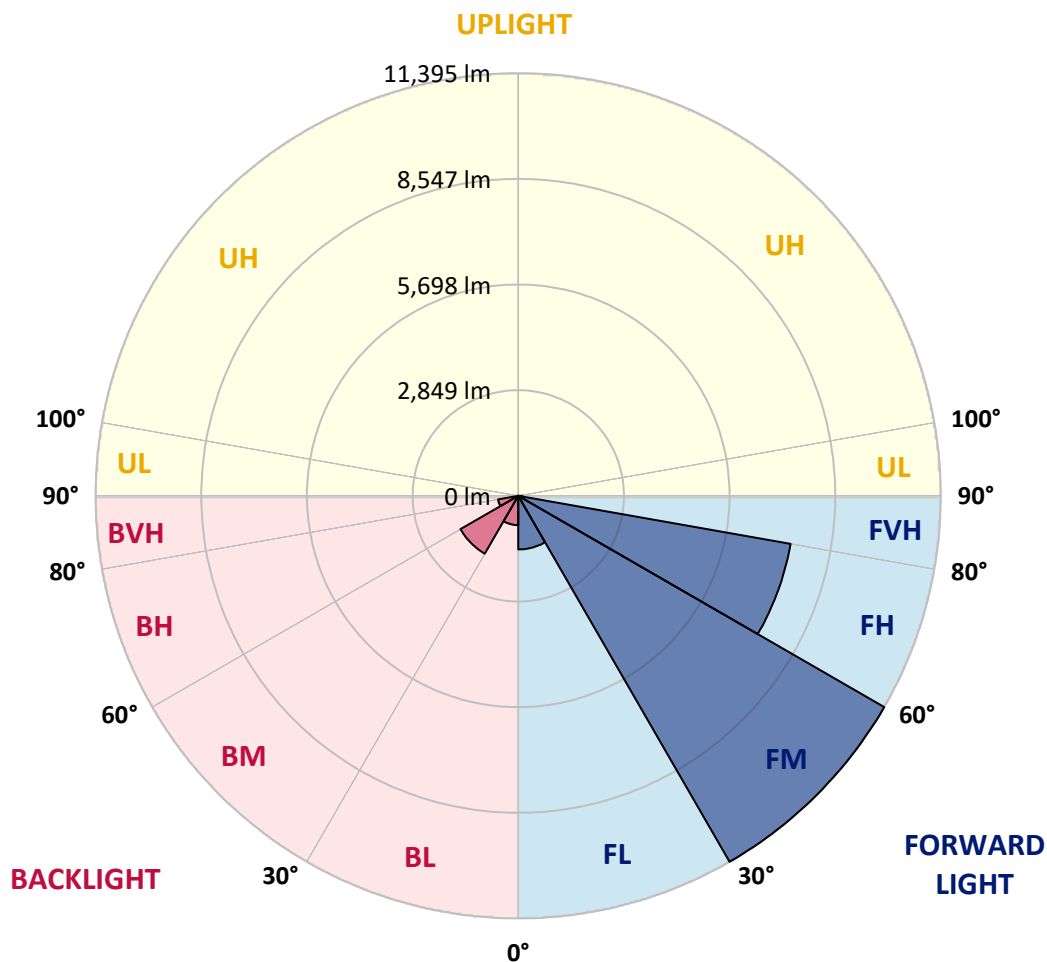
REPORT NUMBER: P850547
 CATALOG NUMBER: GLAN-SB8A-835-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1446.5	6.1			
FM (30°-60°)	11395.4	48.4			
FH (60°-80°)	7456.7	31.7			G3/7500
FVH (80°-90°)	105.6	0.4			G2/225
BL (0°-30°)	790.8	3.4	B2/1000		
BM (30°-60°)	1800.8	7.6	B2/2500		
BH (60°-80°)	552.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.4	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-G3

Type III Short



REPORT NUMBER: P850547
 CATALOG NUMBER: GLAN-SB8A-835-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2739.6	2739.6	2739.6	2739.6	2739.6	2739.6	2739.6	2739.6	2739.6	2739.6
2.5°	2730.1	2749.0	2744.3	2739.6	2738.0	2741.2	2742.7	2741.2	2741.2	2741.2
5°	2678.0	2693.8	2693.8	2704.8	2720.6	2739.6	2753.8	2756.9	2760.1	2764.8
7.5°	2578.5	2591.1	2600.6	2636.9	2676.4	2726.9	2769.6	2791.7	2794.8	2812.2
10°	2510.6	2526.4	2542.2	2580.1	2636.9	2712.7	2785.4	2839.1	2846.9	2888.0
12.5°	2507.5	2523.3	2543.8	2584.8	2651.2	2731.7	2820.1	2897.5	2911.7	2971.7
15°	2540.6	2559.6	2578.5	2629.0	2700.1	2798.0	2892.7	2989.1	3003.3	3088.5
17.5°	2608.5	2633.8	2648.0	2698.5	2774.3	2883.3	3008.0	3118.5	3131.2	3230.6
20°	2742.7	2772.7	2777.5	2818.5	2892.7	3009.6	3158.0	3295.4	3311.2	3424.9
22.5°	3020.6	3063.3	3025.4	3045.9	3112.2	3229.1	3390.1	3563.8	3585.9	3715.4
25°	3510.1	3570.1	3472.2	3437.5	3465.9	3587.5	3789.6	4009.1	4034.4	4138.6
27.5°	4471.7	4394.4	4245.9	4100.7	4015.4	4084.9	4312.3	4583.9	4615.4	4716.5
30°	5528.1	5460.2	5259.7	4937.6	4735.4	4724.4	4934.4	5237.6	5273.9	5370.2
32.5°	6586.0	6521.3	6303.4	5907.1	5556.5	5382.8	5528.1	5864.4	5883.4	5945.0
35°	7626.6	7560.3	7342.4	6936.6	6505.5	6110.8	6082.3	6461.3	6467.6	6532.3
37.5°	8673.5	8618.2	8386.1	7988.2	7563.4	7018.7	6755.0	7026.6	7034.5	7097.6
40°	9420.3	9444.0	9284.6	8976.6	8611.9	8016.6	7509.8	7628.2	7580.8	7686.6
42.5°	10061.4	10108.8	9969.8	9815.1	9603.5	9079.3	8444.5	8424.0	8348.2	8405.0
45°	10615.7	10655.1	10530.4	10494.1	10489.3	10121.4	9466.1	9343.0	9237.2	9226.1
47.5°	10819.3	10895.1	10948.8	11070.4	11307.3	11152.5	10522.5	10331.4	10213.0	10126.2
50°	10896.7	10977.2	11160.4	11514.1	12074.7	12141.0	11574.1	11359.4	11214.1	11056.2
52.5°	10792.5	10936.2	11182.5	11777.8	12591.0	12933.6	12583.1	12395.2	12229.4	11972.0
55°	10178.3	10322.0	10825.7	11774.6	12848.4	13489.4	13536.8	13453.1	13266.8	12861.0
57.5°	8883.5	9096.7	9894.0	11373.6	12843.6	13967.9	14471.6	14531.6	14323.2	13742.1
60°	7089.7	7378.7	8351.4	10484.6	12447.3	14226.8	15291.1	15591.1	15370.0	14610.5
62.5°	4947.0	5281.8	6202.3	9091.9	11541.0	14040.5	15889.5	16443.8	16276.4	15387.4
65°	3017.5	3124.9	3867.0	7154.5	9999.8	13260.5	16074.3	16904.8	16849.6	15862.7
67.5°	2010.1	2100.1	2313.2	4906.0	7762.4	11702.0	15632.2	16824.3	16840.1	15785.3
70°	1211.1	1288.5	1427.4	2853.3	5030.7	9262.4	14263.2	15798.0	15889.5	14751.1
72.5°	499.0	551.1	677.4	1293.2	2605.4	5878.6	11357.8	13563.7	13776.8	12403.1
75°	282.6	309.5	397.9	649.0	1130.6	2739.6	6879.7	9628.8	9943.0	8548.7
77.5°	187.9	200.5	257.4	420.0	636.3	934.8	2940.1	5016.5	5616.5	4669.1
80°	126.3	137.4	176.8	281.1	413.7	401.1	936.4	1858.5	2286.4	1604.3
82.5°	85.3	86.8	126.3	184.7	262.1	194.2	276.3	577.9	726.3	464.2
85°	48.9	47.4	93.2	107.4	116.8	80.5	83.7	173.7	227.4	195.8
87.5°	6.3	9.5	36.3	28.4	15.8	17.4	17.4	30.0	44.2	47.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850547
 CATALOG NUMBER: GLAN-SB8A-835-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2739.6	0°	2739.6	2739.6	2739.6	2739.6	2739.6	2739.6	2739.6	2739.6	2739.6	2739.6
2742.7	2.5°	2742.7	2741.2	2736.4	2731.7	2720.6	2714.3	2717.5	2714.3	2712.7	2714.3
2763.3	5°	2763.3	2758.5	2745.9	2730.1	2708.0	2681.2	2663.8	2638.5	2614.8	2600.6
2818.5	7.5°	2818.5	2813.8	2796.4	2752.2	2681.2	2569.0	2466.4	2376.4	2308.5	2269.0
2906.9	10°	2906.9	2899.1	2872.2	2774.3	2588.0	2343.2	2139.6	1970.6	1860.1	1808.0
3011.2	12.5°	3011.2	3001.7	2954.3	2753.8	2411.1	2029.0	1748.0	1560.1	1457.4	1411.6
3131.2	15°	3134.3	3121.7	3028.5	2655.9	2153.8	1681.6	1424.3	1283.7	1217.4	1176.4
3284.3	17.5°	3287.5	3265.4	3083.8	2509.0	1874.3	1416.4	1225.3	1119.5	1061.1	1021.6
3484.9	20°	3486.4	3450.1	3128.0	2333.8	1616.9	1249.0	1091.1	1002.7	958.5	923.7
3769.1	22.5°	3764.3	3712.2	3181.7	2144.3	1435.3	1133.7	991.6	926.9	890.6	851.1
4165.4	25°	4108.6	4047.0	3248.0	1969.0	1310.6	1034.2	919.0	865.3	822.7	776.9
4684.9	27.5°	4590.2	4479.6	3327.0	1825.3	1203.2	949.0	852.7	792.7	743.7	705.8
5273.9	30°	5127.0	4945.4	3396.4	1738.5	1105.3	870.0	765.8	705.8	660.0	633.2
5802.8	32.5°	5635.5	5389.1	3442.2	1700.6	1016.9	780.0	671.1	606.3	571.6	563.7
6320.8	35°	6115.5	5790.2	3437.5	1664.3	937.9	690.0	577.9	511.6	484.8	489.5
6878.1	37.5°	6668.1	6218.1	3404.3	1607.4	873.2	607.9	497.4	439.0	415.3	416.9
7555.5	40°	7310.8	6712.4	3383.8	1500.1	802.1	532.1	431.1	383.7	366.3	360.0
8269.3	42.5°	7996.1	7190.8	3387.0	1378.5	713.7	464.2	385.3	345.8	330.0	325.3
9063.5	45°	8684.5	7647.1	3391.7	1252.2	620.5	412.1	352.1	319.0	309.5	303.2
9868.8	47.5°	9331.9	8035.6	3303.3	1116.4	529.0	372.6	325.3	303.2	295.3	287.4
10677.2	50°	9935.1	8294.5	3090.1	958.5	456.3	341.1	304.7	289.0	281.1	273.2
11409.9	52.5°	10404.1	8335.6	2738.0	795.8	405.8	317.4	292.1	277.9	268.4	260.5
12002.0	55°	10612.5	8078.2	2237.5	644.2	366.3	296.9	279.5	265.3	254.2	246.3
12467.8	57.5°	10558.8	7536.6	1744.8	517.9	328.4	276.3	263.7	254.2	241.6	229.0
12845.2	60°	10295.1	6811.8	1315.3	431.1	293.7	254.2	246.3	238.4	221.1	202.1
12990.5	62.5°	9838.8	5900.7	937.9	356.9	255.8	229.0	225.8	219.5	194.2	159.5
12775.7	65°	9140.9	4793.9	631.6	296.9	219.5	200.5	202.1	191.1	157.9	118.4
11989.4	67.5°	8120.8	3505.4	404.2	243.2	183.2	167.4	169.0	162.6	134.2	101.1
10498.8	70°	6821.3	2321.1	263.7	184.7	146.8	129.5	139.0	140.5	113.7	82.1
8057.7	72.5°	5000.7	1370.6	184.7	137.4	107.4	90.0	113.7	116.8	91.6	61.6
4847.5	75°	2850.1	650.6	139.0	99.5	66.3	63.2	88.4	88.4	63.2	41.1
2098.5	77.5°	1196.9	271.6	97.9	64.7	37.9	36.3	60.0	55.3	31.6	18.9
511.6	80°	345.8	121.6	52.1	31.6	15.8	14.2	23.7	17.4	7.9	3.2
194.2	82.5°	135.8	53.7	20.5	12.6	6.3	6.3	3.2	0.0	0.0	0.0
110.5	85°	80.5	22.1	9.5	4.7	1.6	0.0	0.0	0.0	0.0	0.0
23.7	87.5°	20.5	4.7	3.2	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°
<hr/>
2739.6
2720.6
2603.8
2270.6
1803.2
1406.9
1177.9
1018.5
917.4
844.8
772.1
697.9
628.4
568.4
489.5
423.2
358.4
323.7
303.2
287.4
273.2
259.0
244.7
227.4
199.0
156.3
115.3
96.3
79.0
58.4
37.9
18.9
3.2
0.0
0.0
0.0
0.0

F REPORT)