

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: P849777

Luminaire Tested: **GLAN-SB7A-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849777
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-SB7A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 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: 19565 lumens
Efficiency: N/A
Efficacy: 98.3 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

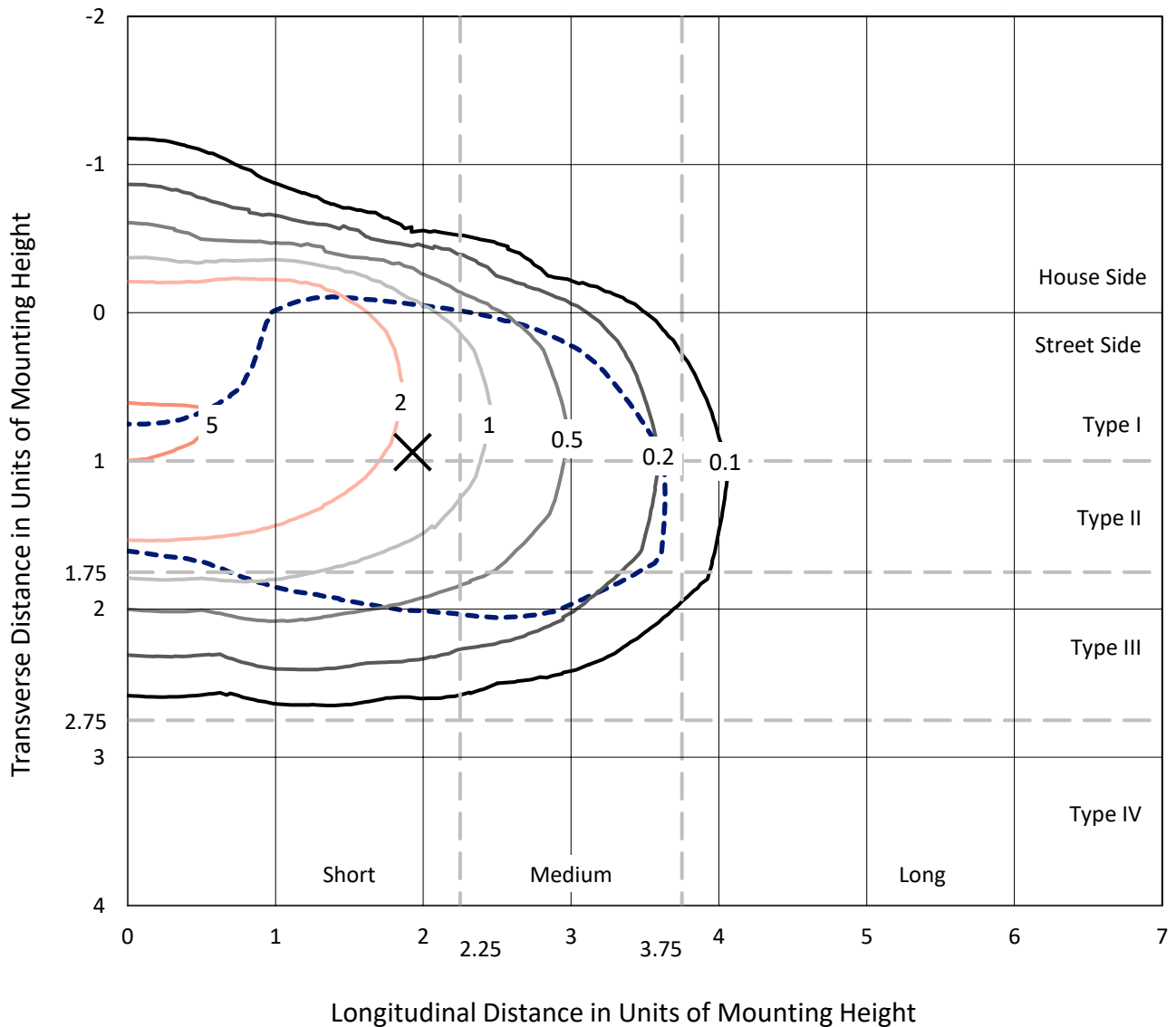
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849777
 CATALOG NUMBER: GLAN-SB7A-722-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

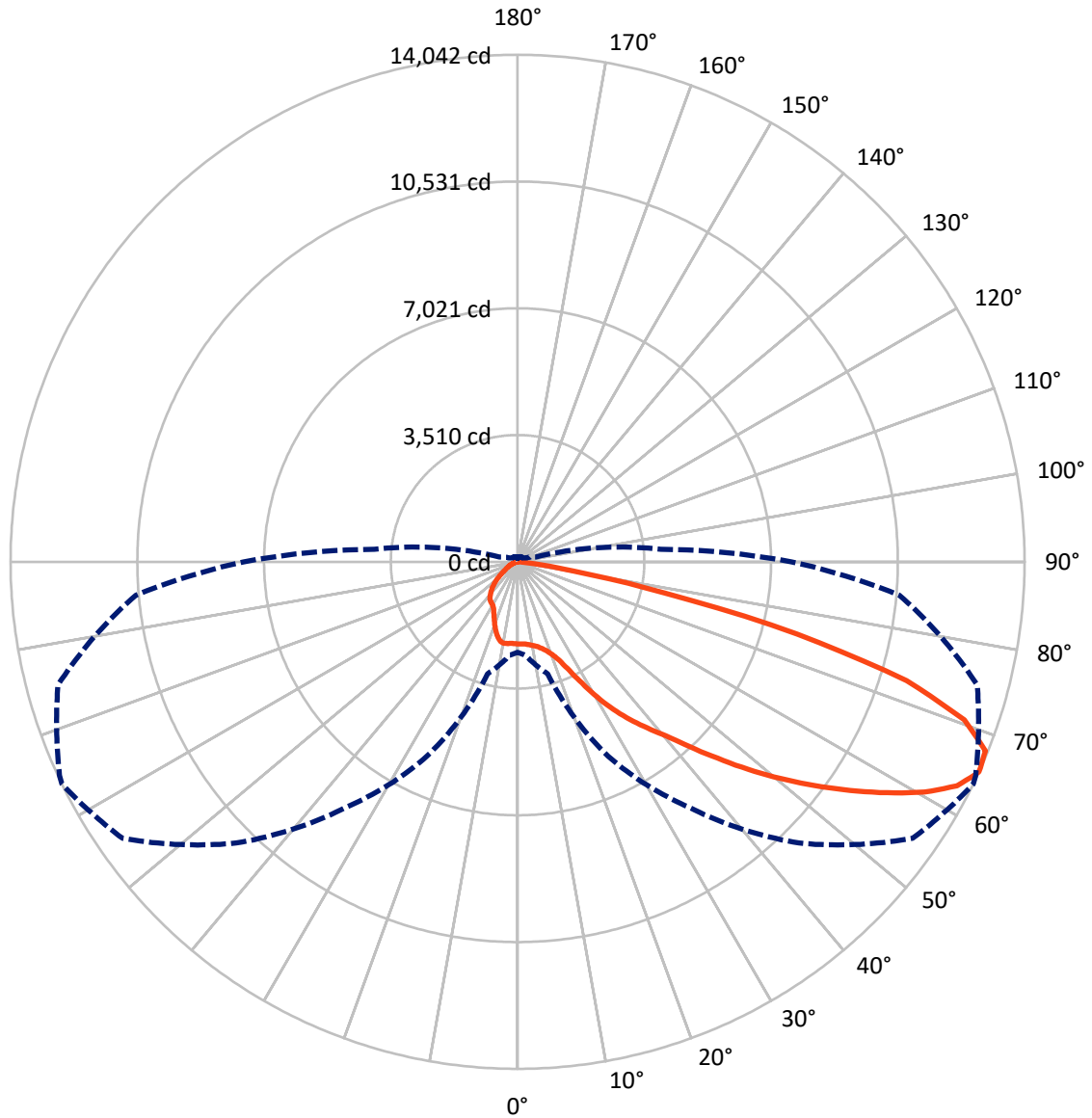
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

REPORT NUMBER: P849777
CATALOG NUMBER: GLAN-SB7A-722-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849777
 CATALOG NUMBER: GLAN-SB7A-722-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2616.4	0.0	2616.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	16948.6	0.0	16948.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	19565.0	0.0	19565.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.9	1.1
10°-20°	569.4	2.9
20°-30°	1079.0	5.5
30°-40°	2183.5	11.2
40°-50°	3719.5	19.0
50°-60°	5058.3	25.9
60°-70°	4750.0	24.3
70°-80°	1903.1	9.7
80°-90°	92.2	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°	19565.0	100.0
0°-180°	19565.0	100.0

Coefficient of Utilization



REPORT NUMBER: P849777

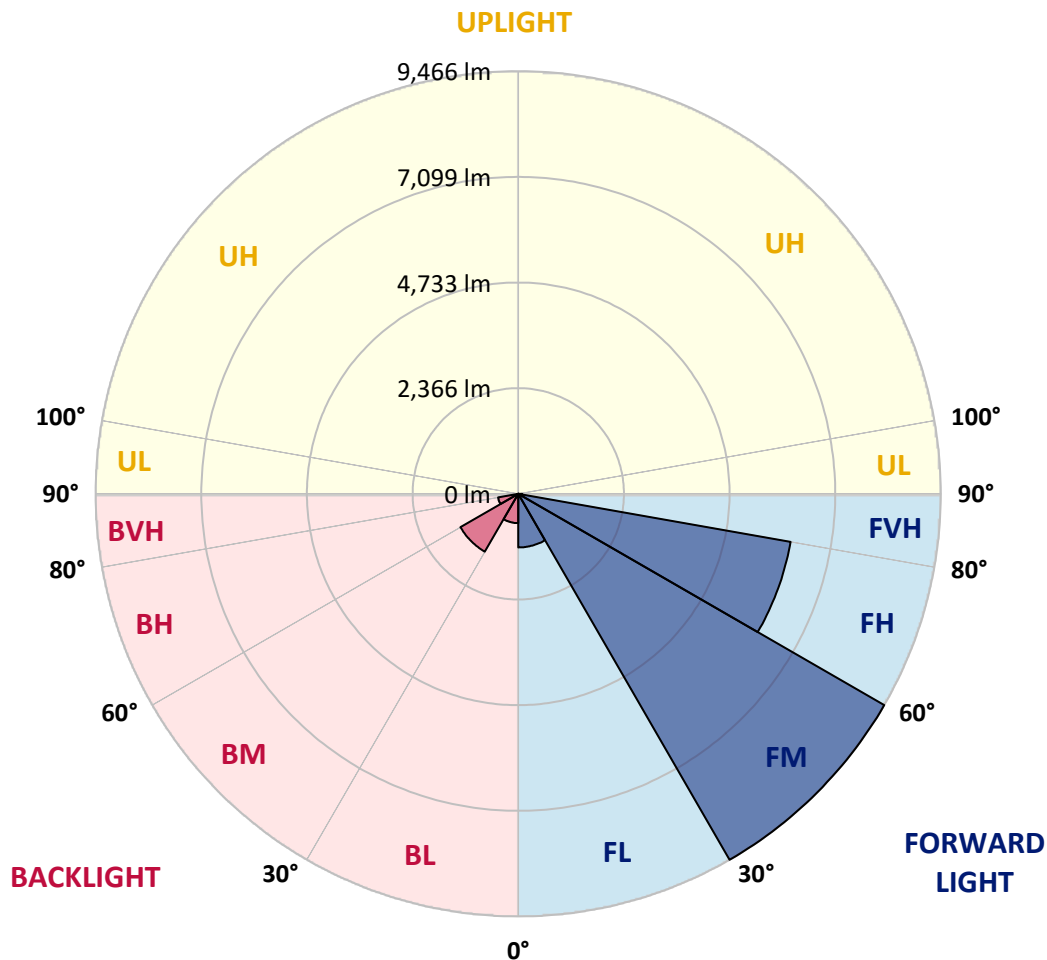
CATALOG NUMBER: GLAN-SB7A-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1201.5	6.1			
FM (30°-60°)	9465.5	48.4			
FH (60°-80°)	6193.8	31.7			G3/7500
FVH (80°-90°)	87.7	0.4			G1/100
BL (0°-30°)	656.9	3.4	B2/1000		
BM (30°-60°)	1495.8	7.6	B2/2500		
BH (60°-80°)	459.2	2.3	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-G3

Type III Short



REPORT NUMBER: P849777
 CATALOG NUMBER: GLAN-SB7A-722-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2275.6	2275.6	2275.6	2275.6	2275.6	2275.6	2275.6	2275.6	2275.6	2275.6
2.5°	2267.7	2283.5	2279.5	2275.6	2274.3	2276.9	2278.2	2276.9	2276.9	2276.9
5°	2224.5	2237.6	2237.6	2246.8	2259.9	2275.6	2287.4	2290.0	2292.7	2296.6
7.5°	2141.8	2152.3	2160.2	2190.4	2223.1	2265.1	2300.5	2318.9	2321.5	2335.9
10°	2085.4	2098.5	2111.7	2143.1	2190.4	2253.3	2313.6	2358.2	2364.8	2398.9
12.5°	2082.8	2095.9	2113.0	2147.1	2202.2	2269.1	2342.5	2406.8	2418.6	2468.4
15°	2110.4	2126.1	2141.8	2183.8	2242.8	2324.1	2402.8	2482.8	2494.6	2565.5
17.5°	2166.8	2187.7	2199.5	2241.5	2304.5	2395.0	2498.6	2590.4	2600.9	2683.5
20°	2278.2	2303.2	2307.1	2341.2	2402.8	2499.9	2623.2	2737.3	2750.4	2844.8
22.5°	2509.1	2544.5	2513.0	2530.1	2585.1	2682.2	2816.0	2960.3	2978.6	3086.2
25°	2915.7	2965.5	2884.2	2855.3	2878.9	2979.9	3147.8	3330.1	3351.1	3437.7
27.5°	3714.4	3650.2	3526.9	3406.2	3335.4	3393.1	3582.0	3807.6	3833.8	3917.7
30°	4591.9	4535.5	4368.9	4101.3	3933.5	3924.3	4098.7	4350.6	4380.7	4460.7
32.5°	5470.7	5416.9	5235.9	4906.7	4615.5	4471.2	4591.9	4871.3	4887.0	4938.1
35°	6335.0	6279.9	6098.9	5761.8	5403.8	5075.9	5052.3	5367.0	5372.3	5426.1
37.5°	7204.6	7158.7	6965.9	6635.3	6282.5	5830.0	5611.0	5836.6	5843.1	5895.6
40°	7825.0	7844.6	7712.2	7456.4	7153.4	6659.0	6237.9	6336.3	6297.0	6384.8
42.5°	8357.5	8396.8	8281.4	8152.9	7977.1	7541.7	7014.4	6997.3	6934.4	6981.6
45°	8817.8	8850.6	8747.0	8716.8	8712.9	8407.3	7863.0	7760.7	7672.8	7663.6
47.5°	8987.0	9050.0	9094.6	9195.6	9392.3	9263.8	8740.5	8581.7	8483.4	8411.2
50°	9051.3	9118.2	9270.3	9564.1	10029.7	10084.8	9614.0	9435.6	9314.9	9183.8
52.5°	8964.7	9084.1	9288.7	9783.2	10458.6	10743.3	10452.1	10296.0	10158.3	9944.5
55°	8454.5	8573.9	8992.3	9780.5	10672.4	11204.9	11244.3	11174.8	11020.0	10682.9
57.5°	7379.0	7556.1	8218.4	9447.4	10668.5	11602.3	12020.7	12070.6	11897.5	11414.8
60°	5889.0	6129.1	6937.0	8709.0	10339.3	11817.4	12701.5	12950.7	12767.0	12136.2
62.5°	4109.2	4387.3	5151.9	7552.1	9586.4	11662.7	13198.6	13658.9	13519.9	12781.5
65°	2506.5	2595.6	3212.1	5942.8	8306.3	11014.8	13352.0	14041.9	13996.0	13176.3
67.5°	1669.7	1744.4	1921.5	4075.1	6447.8	9720.2	12984.8	13975.0	13988.1	13112.0
70°	1006.0	1070.3	1185.7	2370.0	4178.7	7693.8	11847.6	13122.5	13198.6	12252.9
72.5°	414.5	457.7	562.7	1074.2	2164.1	4883.1	9434.3	11266.6	11443.6	10302.6
75°	234.8	257.1	330.5	539.1	939.1	2275.6	5714.6	7998.1	8259.1	7101.0
77.5°	156.1	166.6	213.8	348.9	528.6	776.5	2442.2	4166.9	4665.3	3878.4
80°	104.9	114.1	146.9	233.5	343.6	333.1	777.8	1543.7	1899.2	1332.6
82.5°	70.8	72.1	104.9	153.5	217.7	161.3	229.5	480.0	603.3	385.6
85°	40.7	39.3	77.4	89.2	97.1	66.9	69.5	144.3	188.9	162.6
87.5°	5.2	7.9	30.2	23.6	13.1	14.4	14.4	24.9	36.7	39.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849777
 CATALOG NUMBER: GLAN-SB7A-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2275.6	0°	2275.6	2275.6	2275.6	2275.6	2275.6	2275.6	2275.6	2275.6	2275.6
2278.2	2.5°	2278.2	2276.9	2273.0	2269.1	2259.9	2254.6	2257.3	2254.6	2253.3
2295.3	5°	2295.3	2291.4	2280.9	2267.7	2249.4	2227.1	2212.7	2191.7	2172.0
2341.2	7.5°	2341.2	2337.3	2322.8	2286.1	2227.1	2134.0	2048.7	1973.9	1917.5
2414.6	10°	2414.6	2408.1	2385.8	2304.5	2149.7	1946.4	1777.2	1636.9	1545.1
2501.2	12.5°	2501.2	2493.3	2454.0	2287.4	2002.8	1685.4	1451.9	1295.9	1210.6
2600.9	15°	2603.5	2593.0	2515.6	2206.1	1789.0	1396.8	1183.1	1066.3	1011.2
2728.1	17.5°	2730.7	2712.4	2561.5	2084.1	1556.9	1176.5	1017.8	929.9	881.4
2894.7	20°	2896.0	2865.8	2598.3	1938.5	1343.1	1037.5	906.3	832.9	796.1
3130.8	22.5°	3126.8	3083.6	2642.9	1781.1	1192.2	941.7	823.7	769.9	739.7
3460.0	25°	3412.8	3361.6	2697.9	1635.6	1088.6	859.1	763.3	718.8	683.3
3891.5	27.5°	3812.8	3721.0	2763.5	1516.2	999.4	788.3	708.3	658.4	617.8
4380.7	30°	4258.7	4107.9	2821.2	1444.1	918.1	722.7	636.1	586.3	548.2
4820.1	32.5°	4681.1	4476.5	2859.3	1412.6	844.7	647.9	557.4	503.7	474.8
5250.3	35°	5079.8	4809.6	2855.3	1382.4	779.1	573.2	480.0	425.0	402.7
5713.3	37.5°	5538.9	5165.1	2827.8	1335.2	725.3	505.0	413.2	364.6	344.9
6276.0	40°	6072.7	5575.6	2810.7	1246.0	666.3	442.0	358.1	318.7	304.3
6868.8	42.5°	6641.9	5973.0	2813.4	1145.0	592.8	385.6	320.0	287.2	274.1
7528.5	45°	7213.8	6352.0	2817.3	1040.1	515.5	342.3	292.5	264.9	257.1
8197.5	47.5°	7751.5	6674.7	2743.9	927.3	439.4	309.5	270.2	251.8	245.3
8869.0	50°	8252.5	6889.8	2566.8	796.1	379.1	283.3	253.1	240.0	233.5
9477.6	52.5°	8642.1	6923.9	2274.3	661.0	337.1	263.6	242.6	230.8	223.0
9969.4	55°	8815.2	6710.1	1858.5	535.1	304.3	246.6	232.2	220.3	211.2
10356.3	57.5°	8770.6	6260.2	1449.3	430.2	272.8	229.5	219.0	211.2	200.7
10669.8	60°	8551.6	5658.2	1092.6	358.1	244.0	211.2	204.6	198.1	183.6
10790.5	62.5°	8172.5	4901.4	779.1	296.4	212.5	190.2	187.6	182.3	161.3
10612.1	65°	7592.8	3982.0	524.6	246.6	182.3	166.6	167.9	158.7	131.2
9958.9	67.5°	6745.5	2911.7	335.8	202.0	152.1	139.0	140.3	135.1	111.5
8720.8	70°	5666.1	1928.0	219.0	153.5	122.0	107.6	115.4	116.7	94.4
6693.1	72.5°	4153.8	1138.5	153.5	114.1	89.2	74.8	94.4	97.1	76.1
4026.6	75°	2367.4	540.4	115.4	82.6	55.1	52.5	73.4	73.4	52.5
1743.1	77.5°	994.2	225.6	81.3	53.8	31.5	30.2	49.8	45.9	26.2
425.0	80°	287.2	101.0	43.3	26.2	13.1	11.8	19.7	14.4	6.6
161.3	82.5°	112.8	44.6	17.1	10.5	5.2	5.2	2.6	0.0	0.0
91.8	85°	66.9	18.4	7.9	3.9	1.3	0.0	0.0	0.0	0.0
19.7	87.5°	17.1	3.9	2.6	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

(END O

180°
<hr/>
2275.6
2259.9
2162.8
1886.1
1497.8
1168.6
978.4
846.0
762.0
701.7
641.4
579.7
522.0
472.2
406.6
351.5
297.7
268.9
251.8
238.7
226.9
215.1
203.3
188.9
165.3
129.8
95.7
80.0
65.6
48.5
31.5
15.7
2.6
0.0
0.0
0.0
0.0

F REPORT)