

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: P847867

Luminaire Tested: **GLAN-SB4A-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847867
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-SB4A-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 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: 9512 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

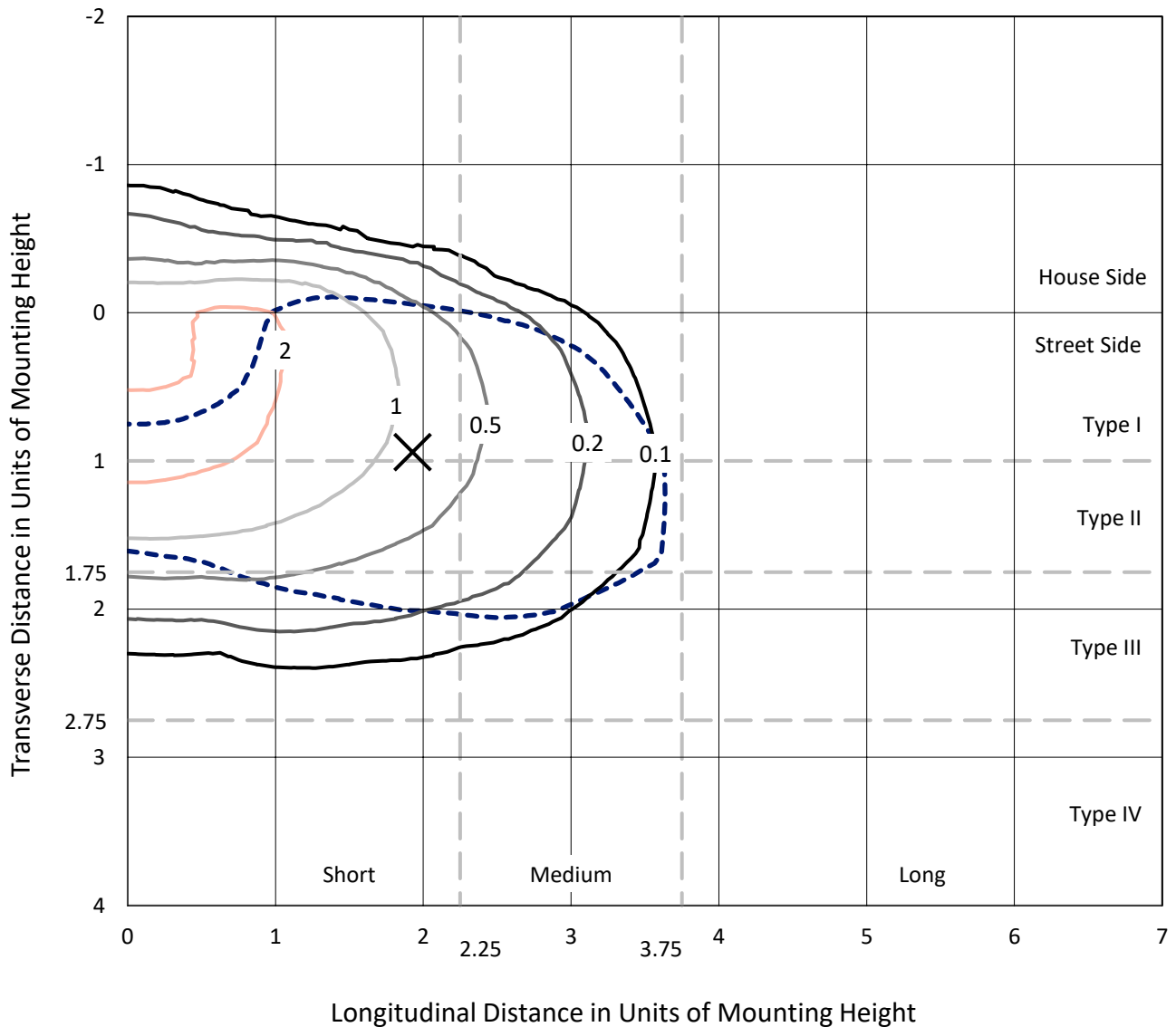
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847867
 CATALOG NUMBER: GLAN-SB4A-930-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

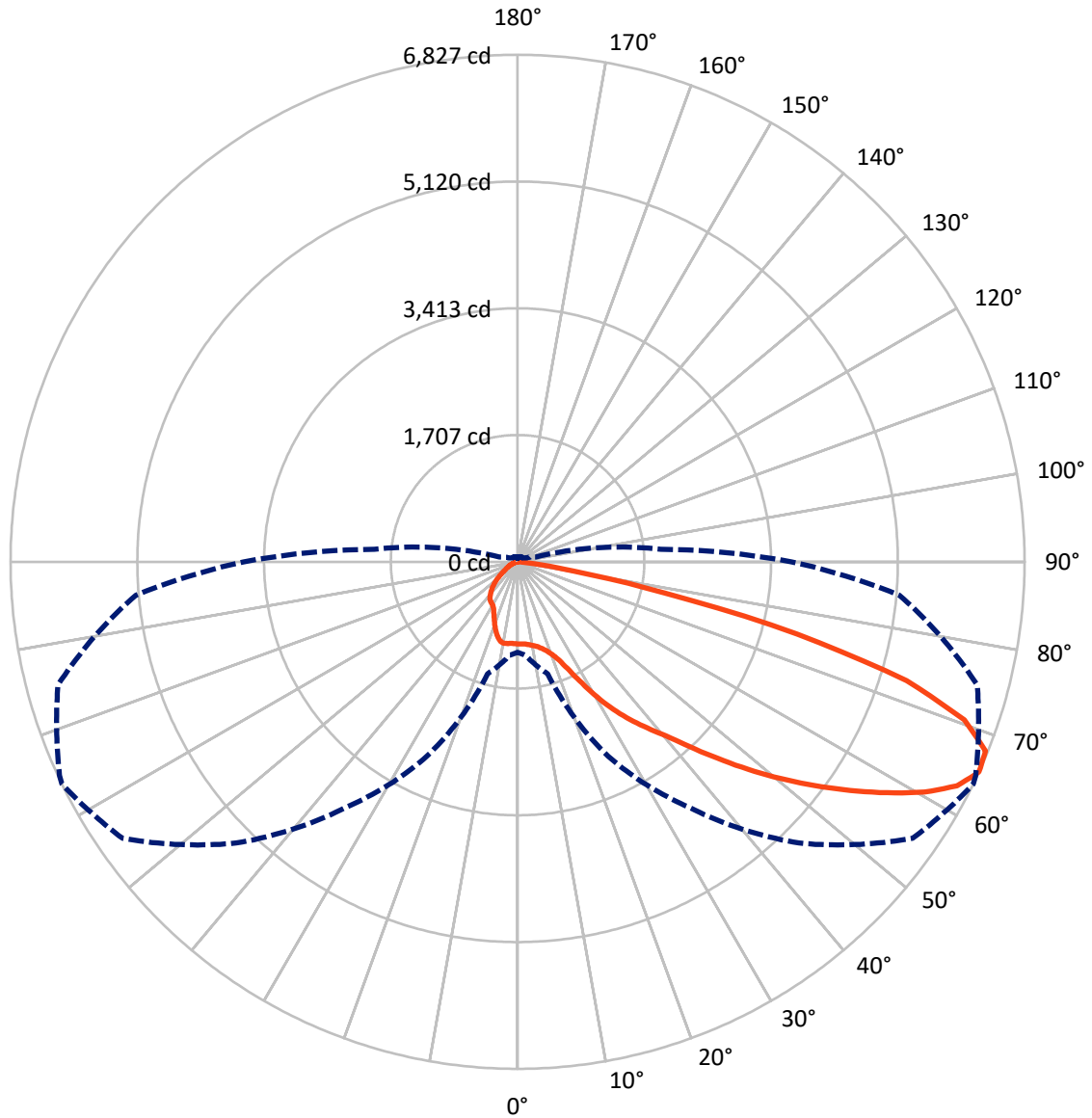
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

REPORT NUMBER: P847867
CATALOG NUMBER: GLAN-SB4A-930-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847867
 CATALOG NUMBER: GLAN-SB4A-930-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1272.1	0.0	1272.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	8240.0	0.0	8240.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	9512.0	0.0	9512.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	1.1
10°-20°	276.8	2.9
20°-30°	524.6	5.5
30°-40°	1061.5	11.2
40°-50°	1808.4	19.0
50°-60°	2459.2	25.9
60°-70°	2309.3	24.3
70°-80°	925.2	9.7
80°-90°	44.8	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°	9512.0	100.0
0°-180°	9512.0	100.0

Coefficient of Utilization



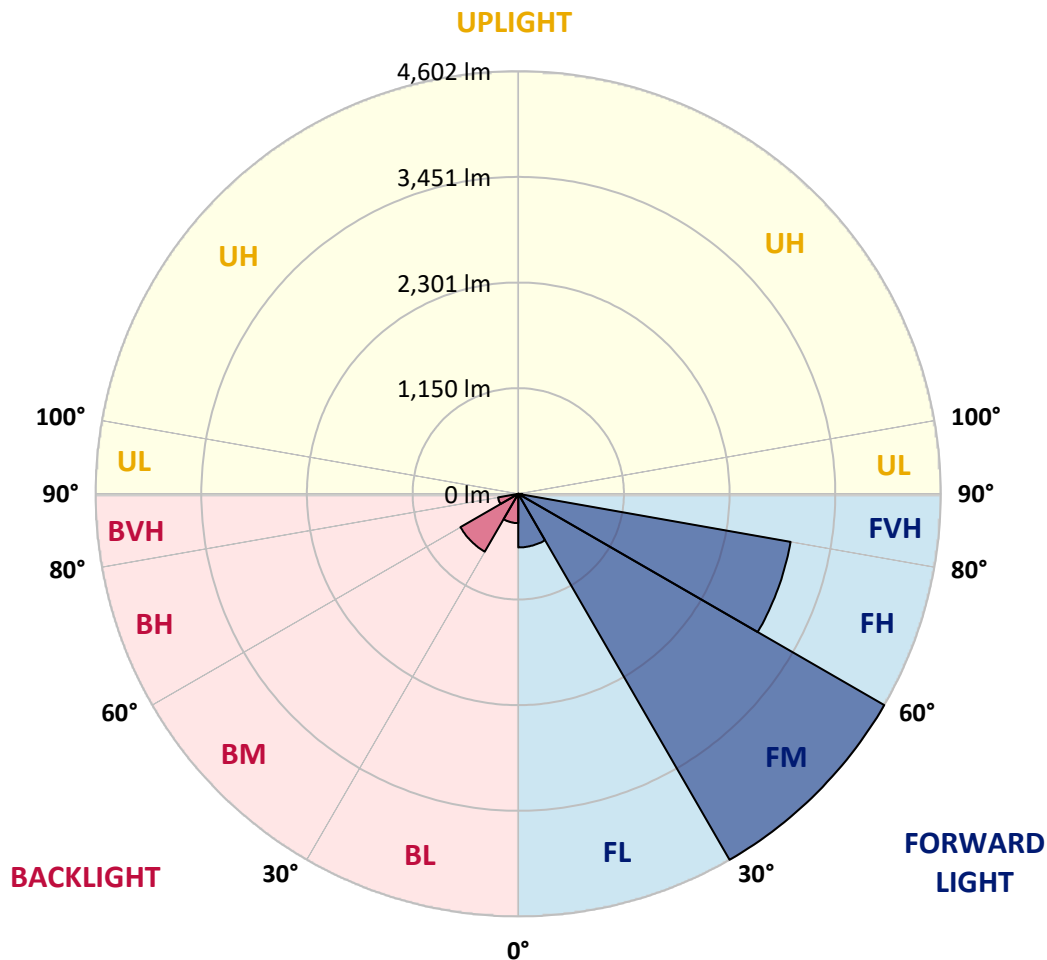
REPORT NUMBER: P847867
 CATALOG NUMBER: GLAN-SB4A-930-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	584.1	6.1			
FM (30°-60°)	4601.9	48.4			
FH (60°-80°)	3011.3	31.7			G2/5000
FVH (80°-90°)	42.6	0.4			G1/100
BL (0°-30°)	319.4	3.4	B1/500		
BM (30°-60°)	727.2	7.6	B1/1000		
BH (60°-80°)	223.3	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



REPORT NUMBER: P847867
 CATALOG NUMBER: GLAN-SB4A-930-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3
2.5°	1102.5	1110.2	1108.3	1106.3	1105.7	1107.0	1107.6	1107.0	1107.0	1107.0
5°	1081.5	1087.9	1087.9	1092.3	1098.7	1106.3	1112.1	1113.4	1114.6	1116.5
7.5°	1041.3	1046.4	1050.2	1064.9	1080.8	1101.2	1118.5	1127.4	1128.7	1135.7
10°	1013.9	1020.3	1026.6	1041.9	1064.9	1095.5	1124.8	1146.5	1149.7	1166.3
12.5°	1012.6	1019.0	1027.3	1043.9	1070.6	1103.2	1138.9	1170.1	1175.8	1200.1
15°	1026.0	1033.7	1041.3	1061.7	1090.4	1129.9	1168.2	1207.1	1212.8	1247.3
17.5°	1053.4	1063.6	1069.4	1089.8	1120.4	1164.4	1214.7	1259.4	1264.5	1304.7
20°	1107.6	1119.7	1121.6	1138.2	1168.2	1215.4	1275.3	1330.8	1337.2	1383.1
22.5°	1219.8	1237.1	1221.8	1230.1	1256.8	1304.0	1369.1	1439.2	1448.1	1500.4
25°	1417.5	1441.8	1402.2	1388.2	1399.7	1448.8	1530.4	1619.0	1629.2	1671.3
27.5°	1805.9	1774.6	1714.7	1656.0	1621.6	1649.6	1741.5	1851.1	1863.9	1904.7
30°	2232.5	2205.0	2124.1	1994.0	1912.3	1907.9	1992.7	2115.1	2129.8	2168.7
32.5°	2659.7	2633.5	2545.5	2385.5	2243.9	2173.8	2232.5	2368.3	2375.9	2400.8
35°	3079.9	3053.1	2965.1	2801.3	2627.2	2467.8	2456.3	2609.3	2611.9	2638.0
37.5°	3502.7	3480.4	3386.6	3225.9	3054.4	2834.4	2727.9	2837.6	2840.8	2866.3
40°	3804.3	3813.9	3749.5	3625.1	3477.8	3237.4	3032.7	3080.5	3061.4	3104.1
42.5°	4063.2	4082.3	4026.2	3963.7	3878.3	3666.6	3410.2	3401.9	3371.3	3394.3
45°	4287.0	4302.9	4252.6	4237.9	4236.0	4087.4	3822.8	3773.0	3730.3	3725.9
47.5°	4369.3	4399.9	4421.6	4470.7	4566.3	4503.8	4249.4	4172.2	4124.4	4089.3
50°	4400.5	4433.0	4507.0	4649.8	4876.2	4903.0	4674.1	4587.3	4528.7	4464.9
52.5°	4358.4	4416.5	4515.9	4756.3	5084.7	5223.1	5081.5	5005.7	4938.7	4834.8
55°	4110.4	4168.4	4371.8	4755.0	5188.7	5447.6	5466.7	5432.9	5357.6	5193.8
57.5°	3587.5	3673.6	3995.6	4593.1	5186.7	5640.8	5844.2	5868.4	5784.2	5549.6
60°	2863.1	2979.8	3372.6	4234.1	5026.7	5745.3	6175.1	6296.3	6207.0	5900.3
62.5°	1997.8	2133.0	2504.7	3671.7	4660.7	5670.1	6416.8	6640.6	6573.0	6214.0
65°	1218.6	1261.9	1561.6	2889.2	4038.3	5355.1	6491.4	6826.8	6804.5	6406.0
67.5°	811.7	848.1	934.2	1981.2	3134.7	4725.7	6312.9	6794.3	6800.7	6374.7
70°	489.1	520.3	576.4	1152.3	2031.6	3740.5	5760.0	6379.8	6416.8	5957.0
72.5°	201.5	222.5	273.6	522.2	1052.1	2374.0	4586.7	5477.5	5563.6	5008.8
75°	114.1	125.0	160.7	262.1	456.6	1106.3	2778.3	3888.5	4015.4	3452.3
77.5°	75.9	81.0	103.9	169.6	257.0	377.5	1187.3	2025.9	2268.2	1885.6
80°	51.0	55.5	71.4	113.5	167.1	162.0	378.1	750.5	923.3	647.9
82.5°	34.4	35.1	51.0	74.6	105.9	78.4	111.6	233.4	293.3	187.5
85°	19.8	19.1	37.6	43.4	47.2	32.5	33.8	70.1	91.8	79.1
87.5°	2.6	3.8	14.7	11.5	6.4	7.0	7.0	12.1	17.9	19.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847867
 CATALOG NUMBER: GLAN-SB4A-930-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1106.3	0°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3
1107.6	2.5°	1107.6	1107.0	1105.1	1103.2	1098.7	1096.1	1097.4	1096.1	1095.5	1096.1
1115.9	5°	1115.9	1114.0	1108.9	1102.5	1093.6	1082.8	1075.7	1065.5	1056.0	1050.2
1138.2	7.5°	1138.2	1136.3	1129.3	1111.4	1082.8	1037.5	996.0	959.7	932.3	916.3
1173.9	10°	1173.9	1170.7	1159.9	1120.4	1045.1	946.3	864.0	795.8	751.2	730.1
1216.0	12.5°	1216.0	1212.2	1193.1	1112.1	973.7	819.4	705.9	630.0	588.6	570.1
1264.5	15°	1265.8	1260.7	1223.0	1072.5	869.8	679.1	575.2	518.4	491.6	475.1
1326.3	17.5°	1327.6	1318.7	1245.4	1013.2	756.9	572.0	494.8	452.1	428.5	412.6
1407.3	20°	1408.0	1393.3	1263.2	942.5	653.0	504.4	440.6	404.9	387.1	373.0
1522.1	22.5°	1520.2	1499.1	1284.9	865.9	579.6	457.8	400.5	374.3	359.6	343.7
1682.2	25°	1659.2	1634.3	1311.7	795.2	529.3	417.7	371.1	349.4	332.2	313.7
1891.9	27.5°	1853.7	1809.0	1343.6	737.1	485.9	383.2	344.3	320.1	300.3	285.0
2129.8	30°	2070.5	1997.2	1371.6	702.1	446.4	351.4	309.3	285.0	266.5	255.7
2343.4	32.5°	2275.8	2176.3	1390.1	686.8	410.7	315.0	271.0	244.9	230.8	227.6
2552.6	35°	2469.7	2338.3	1388.2	672.1	378.8	278.7	233.4	206.6	195.8	197.7
2777.7	37.5°	2692.8	2511.1	1374.8	649.1	352.6	245.5	200.9	177.3	167.7	168.3
3051.2	40°	2952.4	2710.7	1366.5	605.8	323.9	214.9	174.1	155.0	147.9	145.4
3339.4	42.5°	3229.1	2903.9	1367.8	556.7	288.2	187.5	155.6	139.6	133.3	131.4
3660.2	45°	3507.1	3088.2	1369.7	505.7	250.6	166.4	142.2	128.8	125.0	122.4
3985.4	47.5°	3768.6	3245.1	1334.0	450.8	213.6	150.5	131.4	122.4	119.2	116.1
4311.9	50°	4012.2	3349.6	1247.9	387.1	184.3	137.7	123.1	116.7	113.5	110.3
4607.7	52.5°	4201.6	3366.2	1105.7	321.4	163.9	128.2	118.0	112.2	108.4	105.2
4846.9	55°	4285.7	3262.3	903.6	260.2	147.9	119.9	112.9	107.1	102.7	99.5
5035.0	57.5°	4264.0	3043.6	704.6	209.2	132.6	111.6	106.5	102.7	97.6	92.5
5187.4	60°	4157.6	2750.9	531.2	174.1	118.6	102.7	99.5	96.3	89.3	81.6
5246.0	62.5°	3973.3	2382.9	378.8	144.1	103.3	92.5	91.2	88.6	78.4	64.4
5159.3	65°	3691.4	1935.9	255.1	119.9	88.6	81.0	81.6	77.2	63.8	47.8
4841.8	67.5°	3279.5	1415.6	163.2	98.2	74.0	67.6	68.2	65.7	54.2	40.8
4239.8	70°	2754.7	937.4	106.5	74.6	59.3	52.3	56.1	56.8	45.9	33.2
3254.0	72.5°	2019.5	553.5	74.6	55.5	43.4	36.3	45.9	47.2	37.0	24.9
1957.6	75°	1151.0	262.7	56.1	40.2	26.8	25.5	35.7	35.7	25.5	16.6
847.5	77.5°	483.3	109.7	39.5	26.1	15.3	14.7	24.2	22.3	12.8	7.7
206.6	80°	139.6	49.1	21.0	12.8	6.4	5.7	9.6	7.0	3.2	1.3
78.4	82.5°	54.8	21.7	8.3	5.1	2.6	2.6	1.3	0.0	0.0	0.0
44.6	85°	32.5	8.9	3.8	1.9	0.6	0.0	0.0	0.0	0.0	0.0
9.6	87.5°	8.3	1.9	1.3	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/>
1106.3
1098.7
1051.5
917.0
728.2
568.2
475.7
411.3
370.5
341.1
311.8
281.8
253.8
229.6
197.7
170.9
144.7
130.7
122.4
116.1
110.3
104.6
98.8
91.8
80.3
63.1
46.5
38.9
31.9
23.6
15.3
7.7
1.3
0.0
0.0
0.0
0.0

F REPORT)