

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: P846575

Luminaire Tested: **GLAN-SB2B-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8069 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

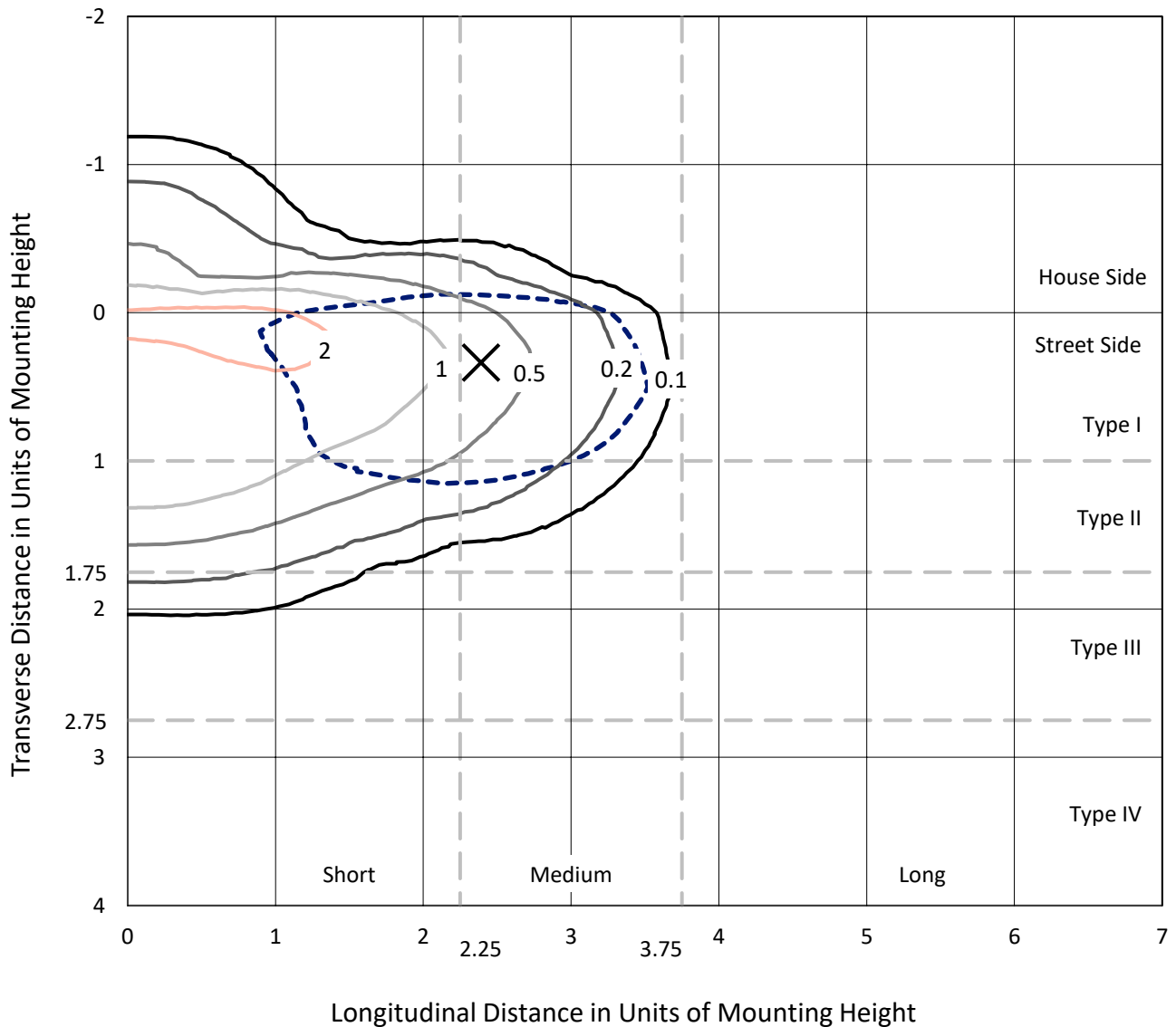
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846575
 CATALOG NUMBER: GLAN-SB2B-735-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

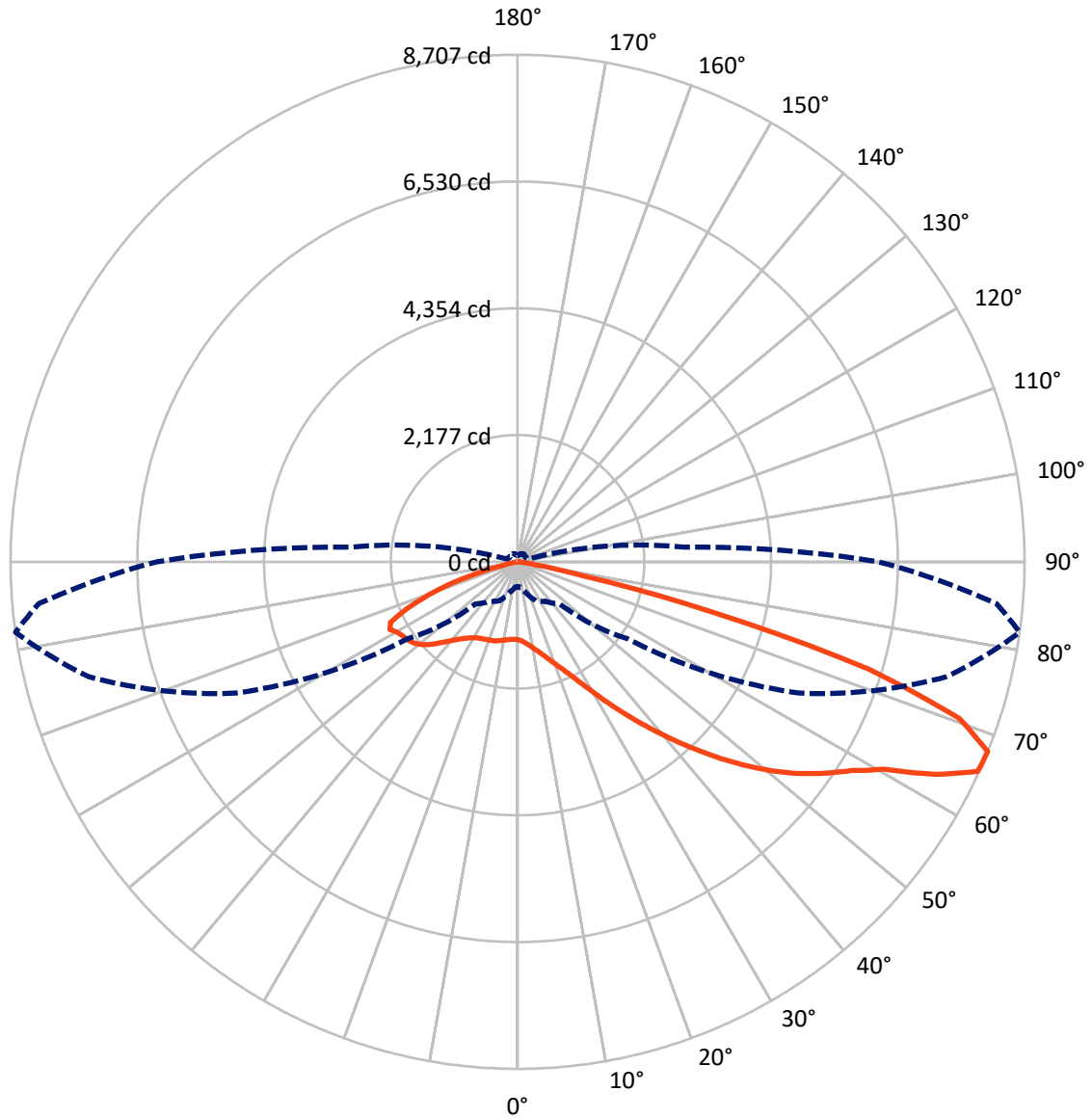
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P846575
CATALOG NUMBER: GLAN-SB2B-735-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P846575
 CATALOG NUMBER: GLAN-SB2B-735-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1461.6	0.0	1461.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	6607.4	0.0	6607.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	8069.0	0.0	8069.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	1.5
10°-20°	309.5	3.8
20°-30°	495.7	6.1
30°-40°	876.5	10.9
40°-50°	1535.8	19.0
50°-60°	2048.3	25.4
60°-70°	1906.8	23.6
70°-80°	731.9	9.1
80°-90°	45.5	0.6
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°	8069.0	100.0
0°-180°	8069.0	100.0

Coefficient of Utilization

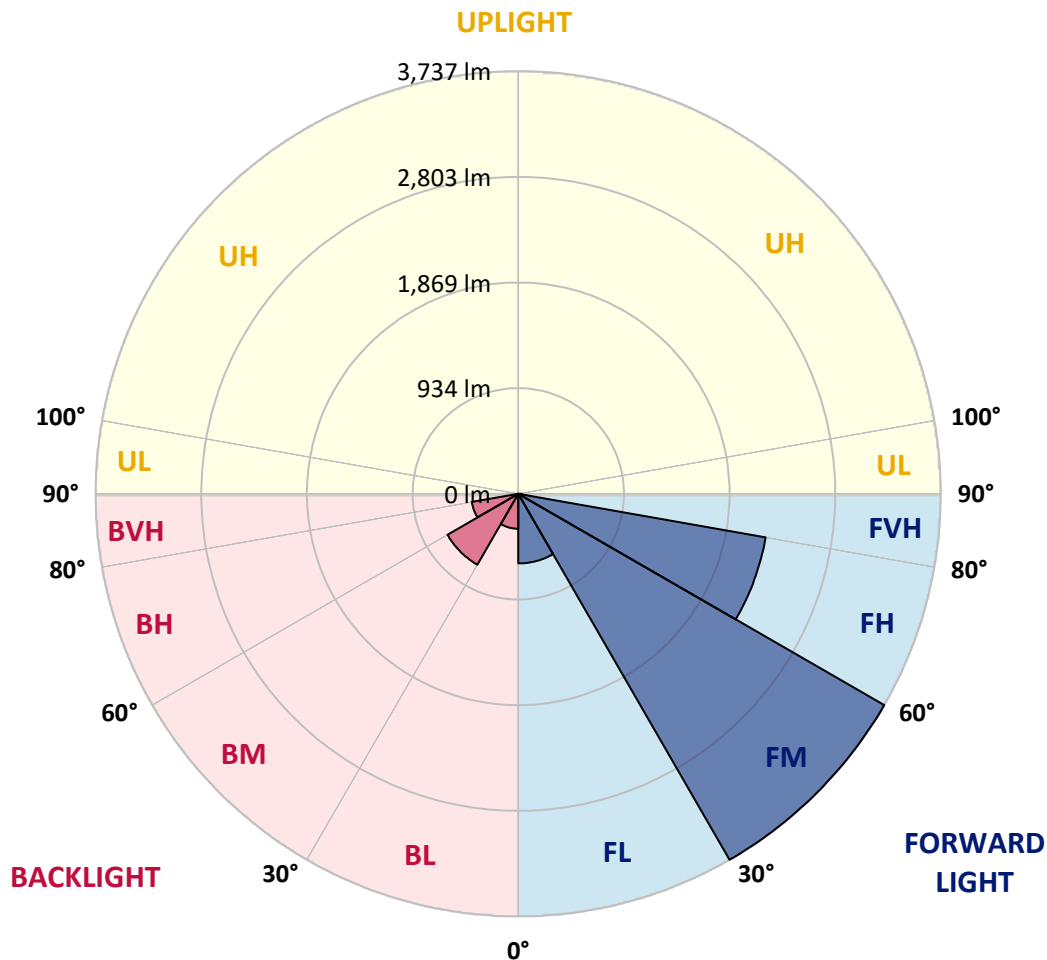


REPORT NUMBER: P846575
 CATALOG NUMBER: GLAN-SB2B-735-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	615.6	7.6			
FM (30°-60°)	3737.2	46.3			
FH (60°-80°)	2221.5	27.5			G2/5000
FVH (80°-90°)	33.0	0.4			G1/100
BL (0°-30°)	308.7	3.8	B1/500		
BM (30°-60°)	723.4	9.0	B1/1000		
BH (60°-80°)	417.2	5.2	B1/500		G1/500
BVH (80°-90°)	12.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium



REPORT NUMBER: P846575
 CATALOG NUMBER: GLAN-SB2B-735-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1336.8	1336.8	1336.8	1336.8	1336.8	1336.8	1336.8	1336.8	1336.8	1336.8
2.5°	1412.9	1421.0	1416.4	1414.0	1410.0	1404.2	1399.5	1385.0	1369.9	1360.0
5°	1441.3	1449.5	1448.9	1451.2	1454.1	1455.9	1454.7	1438.4	1416.9	1400.1
7.5°	1416.9	1426.2	1433.8	1445.4	1465.7	1487.2	1497.7	1494.2	1472.1	1448.9
10°	1347.8	1357.7	1375.7	1403.0	1446.0	1492.5	1531.4	1549.4	1535.4	1509.9
12.5°	1221.2	1231.0	1266.5	1325.7	1397.8	1478.5	1552.9	1601.1	1604.6	1579.0
15°	1078.8	1088.7	1126.5	1200.8	1310.6	1440.2	1564.5	1655.7	1686.5	1664.4
17.5°	990.5	999.2	1027.7	1087.5	1202.0	1363.5	1560.4	1713.8	1784.1	1766.7
20°	963.8	971.3	984.7	1026.5	1121.8	1283.9	1533.7	1768.4	1889.2	1879.4
22.5°	992.3	999.2	1003.3	1021.9	1081.7	1231.6	1500.0	1824.2	2011.2	2012.4
25°	1057.9	1064.9	1060.2	1071.8	1098.0	1215.3	1487.2	1889.8	2164.6	2177.4
27.5°	1166.0	1166.5	1155.5	1154.9	1159.0	1239.7	1500.6	1960.1	2358.1	2381.9
30°	1382.7	1373.9	1331.5	1285.6	1264.7	1312.9	1537.8	2043.2	2586.4	2628.8
32.5°	1716.7	1703.9	1626.1	1516.3	1405.9	1430.9	1604.6	2137.9	2835.0	2911.7
35°	2079.2	2075.7	1994.4	1831.1	1638.3	1598.8	1713.2	2262.2	3106.3	3228.3
37.5°	2416.2	2414.4	2367.9	2175.6	1940.9	1832.9	1887.5	2424.9	3396.8	3573.4
40°	2724.1	2729.3	2682.8	2510.9	2274.4	2133.2	2124.5	2625.9	3719.8	3949.3
42.5°	2990.1	2995.9	2948.9	2821.7	2603.8	2465.5	2415.6	2872.2	4035.3	4353.0
45°	3170.8	3206.8	3199.9	3098.2	2941.9	2798.4	2765.3	3181.3	4394.9	4781.2
47.5°	3221.9	3255.0	3307.3	3321.3	3226.0	3084.8	3124.3	3553.7	4758.5	5209.9
50°	3095.9	3126.7	3235.3	3380.0	3446.2	3402.6	3473.5	3952.8	5130.9	5637.5
52.5°	2847.2	2878.6	3015.7	3244.6	3514.7	3651.8	3823.8	4346.1	5491.7	6042.4
55°	2487.6	2520.7	2696.8	2955.9	3384.0	3754.7	4116.0	4738.8	5822.3	6406.7
57.5°	1998.5	2022.9	2205.9	2568.4	3055.2	3652.4	4331.5	5167.5	6133.6	6764.6
60°	1302.5	1324.0	1536.6	1940.9	2510.3	3310.8	4374.5	5645.6	6547.3	7229.9
62.5°	866.2	880.7	1006.8	1303.6	1767.8	2654.9	4123.0	6027.3	7153.8	8039.7
65°	594.3	608.8	734.9	941.7	1142.1	1756.2	3399.7	5976.8	7703.4	8682.8
67.5°	424.1	436.3	543.2	738.4	826.7	1020.1	2304.6	5330.8	7624.4	8707.2
70°	303.8	310.8	399.1	575.1	657.1	612.9	1281.6	4077.1	6675.7	8040.3
72.5°	212.6	215.0	277.1	438.0	529.2	447.3	610.0	2718.3	5049.0	6310.8
75°	144.1	147.0	186.5	321.3	424.7	341.6	323.0	1457.6	2964.0	3493.2
77.5°	88.3	89.5	120.3	219.6	317.8	260.3	208.0	617.5	1146.8	1125.9
80°	50.0	50.0	76.7	136.5	216.7	167.9	145.8	262.6	363.1	318.9
82.5°	27.9	28.5	55.8	84.8	143.5	99.3	80.2	121.4	156.9	138.8
85°	11.6	12.8	34.3	40.1	68.6	49.4	32.5	51.1	58.1	51.7
87.5°	1.2	1.7	10.5	7.6	8.1	9.9	4.6	9.9	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846575
 CATALOG NUMBER: GLAN-SB2B-735-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1336.8	0°	1336.8	1336.8	1336.8	1336.8	1336.8	1336.8	1336.8	1336.8	1336.8	1336.8
1356.5	2.5°	1345.5	1336.8	1314.7	1289.1	1255.4	1239.2	1217.1	1202.0	1189.2	1190.4
1390.2	5°	1371.6	1349.5	1300.2	1238.6	1161.9	1107.3	1049.2	1009.1	976.6	969.6
1436.7	7.5°	1407.6	1372.8	1286.2	1175.3	1045.7	947.5	859.8	803.5	763.4	750.6
1493.0	10°	1454.1	1403.6	1268.2	1095.7	909.2	784.3	690.2	646.0	618.7	609.4
1559.3	12.5°	1508.1	1439.0	1244.4	998.6	768.6	648.3	588.5	566.4	557.7	554.8
1640.6	15°	1576.1	1483.2	1208.4	883.6	649.5	565.3	539.7	536.8	538.0	536.8
1738.2	17.5°	1656.9	1531.4	1149.7	765.1	569.3	522.9	513.6	515.9	518.8	518.2
1847.4	20°	1745.2	1579.0	1074.8	660.0	514.7	492.6	487.4	489.7	492.1	490.9
1973.5	22.5°	1845.7	1630.1	991.7	578.0	478.1	464.8	458.9	459.5	459.5	457.2
2133.2	25°	1965.9	1686.5	904.5	519.9	450.2	439.8	432.8	430.5	427.0	420.0
2327.3	27.5°	2109.4	1746.3	820.9	479.3	428.2	418.3	410.1	404.3	395.6	384.0
2560.2	30°	2270.9	1818.9	750.0	453.7	410.7	400.9	391.6	382.8	370.1	355.5
2828.1	32.5°	2460.9	1896.8	698.3	436.9	395.0	384.6	373.5	363.1	349.1	334.6
3129.0	35°	2687.5	1990.9	668.1	425.3	382.8	368.9	356.7	345.1	334.6	321.8
3456.1	37.5°	2933.2	2090.8	658.8	419.4	374.7	353.2	339.3	331.1	330.0	322.4
3809.9	40°	3202.2	2209.3	665.8	416.0	366.0	338.1	323.0	321.3	324.2	310.8
4188.1	42.5°	3486.8	2349.9	677.4	411.9	353.8	323.0	308.5	308.5	306.2	287.6
4587.7	45°	3794.7	2512.0	689.0	402.0	339.3	307.9	296.9	292.8	282.9	264.9
4989.8	47.5°	4105.0	2677.0	697.7	384.0	321.8	295.1	285.2	276.0	261.4	245.2
5384.2	50°	4399.5	2825.1	688.4	357.3	302.1	282.9	272.5	259.7	244.0	233.0
5757.8	52.5°	4662.7	2953.5	648.9	325.9	281.2	270.1	260.8	247.5	234.7	223.1
6094.7	55°	4891.6	3057.5	579.2	296.3	262.6	259.1	249.8	233.0	215.5	205.7
6428.8	57.5°	5111.2	3136.5	492.1	271.9	245.7	246.9	233.0	217.9	201.6	191.1
6879.0	60°	5403.4	3242.3	403.8	249.2	227.7	231.2	216.1	205.1	184.7	171.4
7651.1	62.5°	5870.5	3406.7	320.7	221.3	206.8	208.0	201.6	188.2	163.8	148.1
8223.3	65°	6241.1	3346.3	252.7	191.1	183.0	184.7	184.7	170.2	144.1	126.1
8254.1	67.5°	6199.3	2865.2	201.6	161.5	160.3	161.5	165.6	153.4	127.8	113.3
7625.5	70°	5710.7	2279.1	161.5	134.2	139.4	136.5	148.1	140.0	115.0	100.5
5911.7	72.5°	4659.8	1641.8	123.2	111.0	106.9	111.5	133.6	126.1	95.9	79.6
3131.3	75°	2722.9	876.1	91.8	87.7	77.3	93.0	118.5	107.5	73.2	58.7
959.7	77.5°	886.5	305.6	67.4	64.5	57.5	74.9	101.1	90.6	59.8	46.5
281.2	80°	237.6	92.4	45.9	42.4	37.2	55.8	80.2	72.0	43.0	30.2
120.8	82.5°	95.3	38.9	26.7	23.8	20.3	38.3	63.3	58.1	32.0	19.2
37.8	85°	30.8	12.8	9.9	7.6	9.3	23.8	37.8	39.5	22.7	9.9
5.8	87.5°	4.1	1.7	1.7	2.3	1.7	4.1	11.6	11.0	6.4	1.2
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/>
1336.8
1178.7
953.9
737.8
602.4
553.1
536.2
517.0
490.3
456.0
418.9
382.8
354.4
335.2
320.7
321.8
311.4
287.6
264.3
244.6
231.2
221.9
204.5
190.0
169.6
147.0
124.3
111.0
98.8
77.8
56.9
44.7
29.6
19.2
7.6
0.0
0.0

F REPORT)