

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: P845956

Luminaire Tested: **GLAN-SB1B-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4621 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

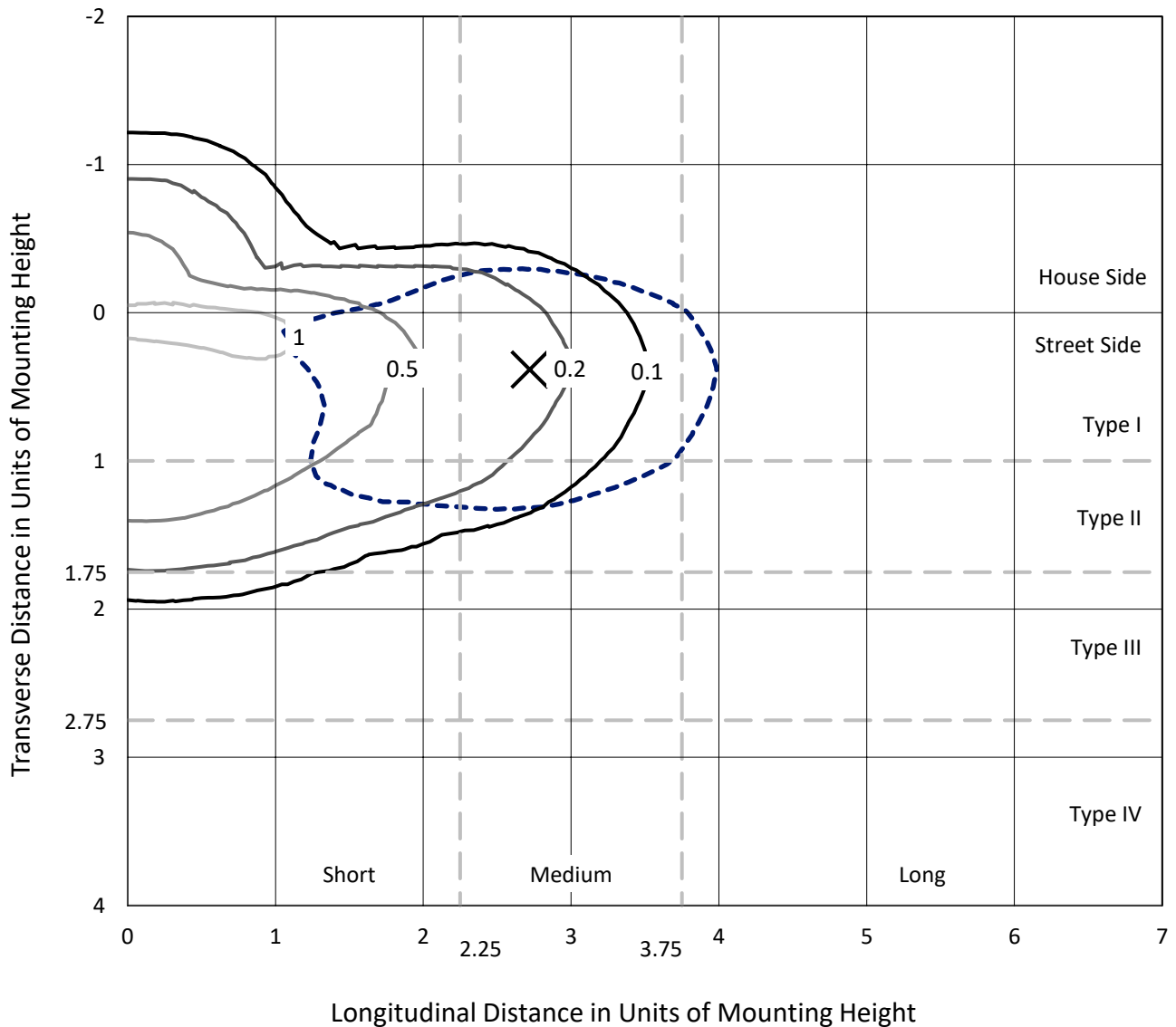
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P845956
 CATALOG NUMBER: GLAN-SB1B-835-U-T2

Iso-Footcandle Lines of Horizontal Illumination

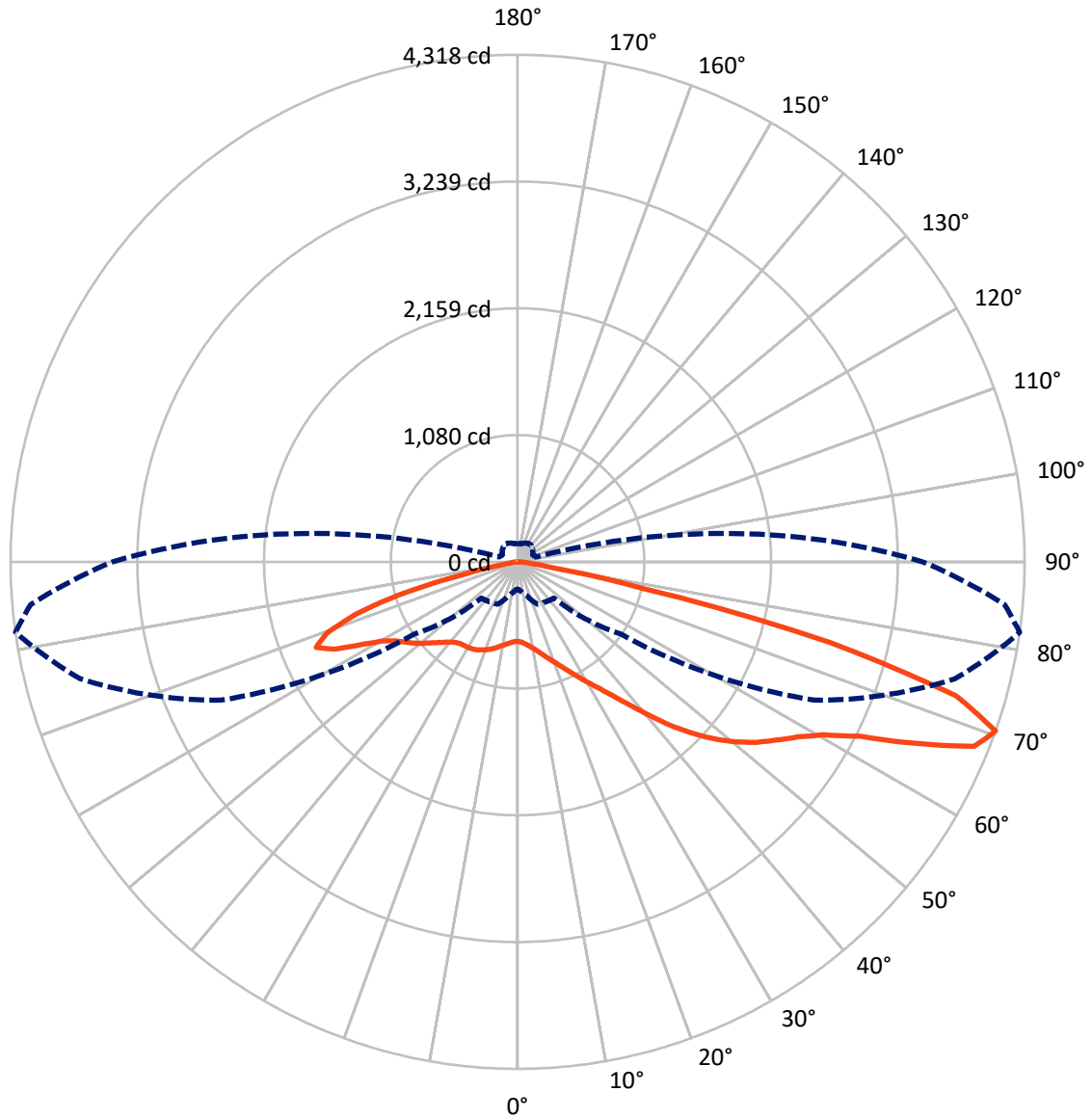
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P845956
CATALOG NUMBER: GLAN-SB1B-835-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P845956
 CATALOG NUMBER: GLAN-SB1B-835-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1139.2	0.0	1139.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3481.8	0.0	3481.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	4621.0	0.0	4621.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	1.4
10°-20°	183.8	4.0
20°-30°	307.5	6.7
30°-40°	480.3	10.4
40°-50°	765.0	16.6
50°-60°	1064.5	23.0
60°-70°	1113.6	24.1
70°-80°	582.0	12.6
80°-90°	60.4	1.3
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°	4621.0	100.0
0°-180°	4621.0	100.0

Coefficient of Utilization

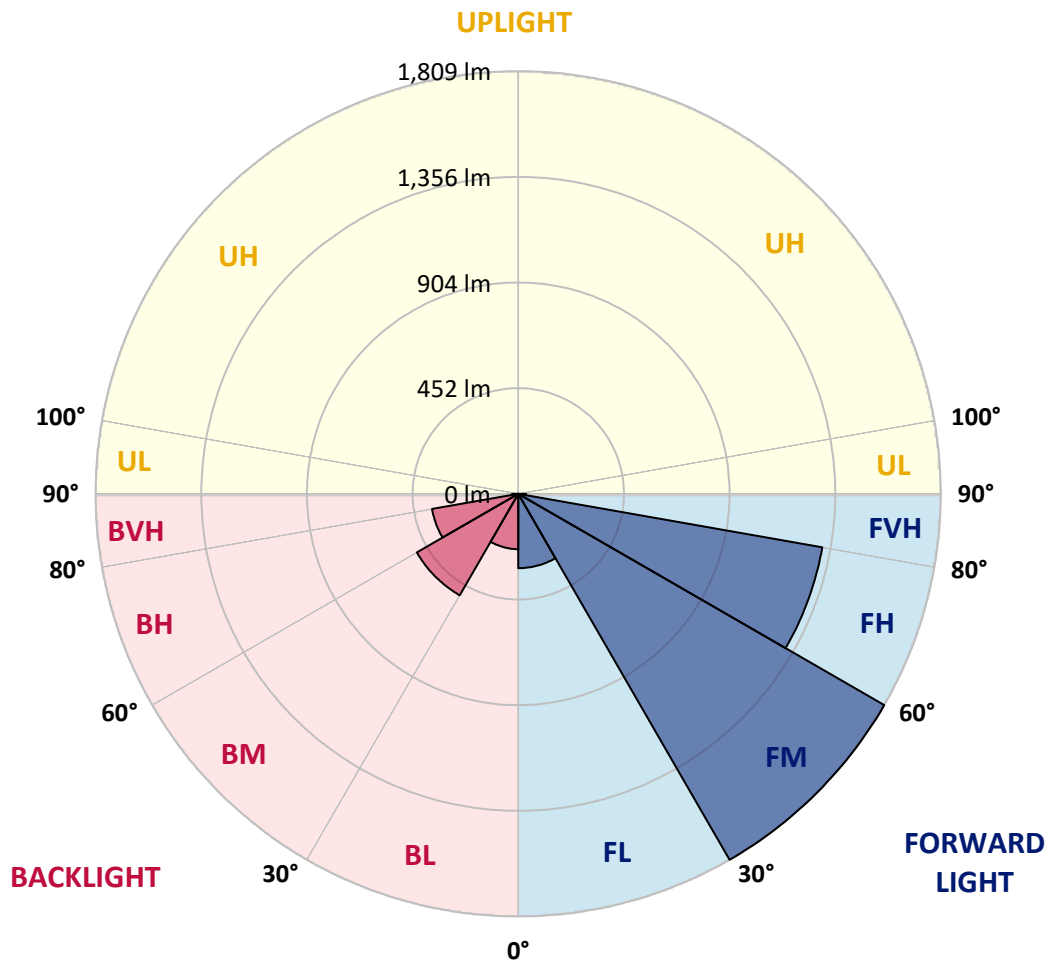


REPORT NUMBER: P845956
 CATALOG NUMBER: GLAN-SB1B-835-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.2	6.9			
FM (30°-60°)	1808.6	39.1			
FH (60°-80°)	1321.2	28.6			G1/1800
FVH (80°-90°)	33.8	0.7			G1/100
BL (0°-30°)	237.0	5.1	B1/500		
BM (30°-60°)	501.2	10.8	B1/1000		
BH (60°-80°)	374.4	8.1	B1/500		G1/500
BVH (80°-90°)	26.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



REPORT NUMBER: P845956
 CATALOG NUMBER: GLAN-SB1B-835-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5
2.5°	693.7	697.6	696.4	695.2	695.2	693.4	693.2	690.7	688.8	685.6
5°	702.5	706.7	706.2	707.2	710.4	711.1	711.8	710.4	706.4	702.5
7.5°	694.7	699.3	700.8	706.7	716.5	725.3	731.9	734.6	731.0	725.3
10°	668.2	673.3	678.5	692.5	709.9	730.7	748.4	758.9	758.2	752.8
12.5°	614.5	619.9	630.9	658.1	690.0	726.8	759.6	781.7	789.3	785.4
15°	571.6	576.2	584.6	612.5	654.0	709.9	763.8	806.7	826.1	823.9
17.5°	570.3	572.3	577.5	590.7	622.6	683.4	759.4	831.2	868.3	868.0
20°	591.9	592.7	595.6	598.3	616.4	663.3	748.1	851.6	915.6	915.6
22.5°	621.8	621.3	624.3	621.8	630.7	661.6	741.0	869.5	968.3	972.2
25°	666.7	664.3	663.5	657.9	659.6	677.5	748.9	889.8	1030.8	1038.9
27.5°	726.5	722.6	719.9	706.9	702.5	710.4	772.9	914.4	1100.5	1114.4
30°	804.5	797.4	793.5	770.9	755.0	756.2	809.2	947.0	1173.3	1195.9
32.5°	910.9	899.9	889.4	852.3	823.1	813.6	856.0	992.1	1252.3	1288.3
35°	1030.1	1021.3	1010.0	952.9	908.0	885.9	919.3	1055.1	1344.7	1401.8
37.5°	1144.9	1137.3	1142.6	1065.7	1007.8	975.7	1002.1	1139.7	1458.7	1543.1
40°	1263.5	1257.6	1258.4	1184.8	1117.4	1081.3	1102.7	1245.9	1589.4	1711.0
42.5°	1392.5	1388.1	1373.4	1308.2	1232.4	1198.8	1218.4	1368.5	1729.7	1902.3
45°	1536.9	1534.2	1520.5	1445.7	1358.9	1321.2	1347.6	1503.8	1870.7	2082.3
47.5°	1661.7	1663.9	1662.2	1599.2	1509.2	1453.8	1485.4	1645.1	2001.8	2251.5
50°	1721.8	1733.3	1750.3	1730.6	1674.7	1618.3	1624.5	1781.4	2126.9	2410.1
52.5°	1690.4	1712.3	1758.4	1789.7	1811.3	1799.5	1783.1	1916.8	2244.6	2553.3
55°	1573.5	1604.1	1680.6	1756.4	1866.5	1952.1	1973.6	2066.8	2359.3	2679.3
57.5°	1360.4	1410.2	1478.8	1632.1	1817.4	2025.9	2195.8	2275.0	2481.0	2814.0
60°	995.0	1061.7	1147.1	1375.1	1645.8	1986.4	2384.8	2594.7	2653.8	2988.3
62.5°	636.8	678.0	756.5	971.2	1282.4	1784.1	2442.7	2994.4	2946.9	3274.2
65°	436.0	462.5	534.3	654.9	829.0	1328.0	2287.7	3294.1	3412.2	3727.3
67.5°	316.8	336.9	398.2	503.9	540.2	785.9	1775.3	3280.3	3864.6	4194.2
70°	231.0	245.2	296.7	398.2	415.6	437.2	1075.5	2788.5	3854.8	4318.3
72.5°	171.2	181.0	215.5	309.0	336.4	295.2	532.3	2026.6	3312.4	3905.8
75°	123.8	131.2	156.7	236.4	269.2	224.9	265.6	1184.3	2310.5	2747.5
77.5°	94.6	100.3	117.0	173.1	215.5	168.7	164.8	544.8	1095.6	1101.0
80°	76.0	79.7	88.8	121.9	165.3	126.3	107.4	219.9	346.2	293.0
82.5°	55.9	62.0	75.0	85.6	118.2	87.0	65.5	111.1	131.7	113.3
85°	31.9	36.0	45.4	61.3	75.5	53.2	37.5	49.3	61.3	50.3
87.5°	11.3	14.7	15.9	24.0	32.9	22.1	14.5	14.2	20.1	15.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845956
 CATALOG NUMBER: GLAN-SB1B-835-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
677.5	0°	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5
684.9	2.5°	682.4	681.2	676.3	669.6	662.8	656.2	654.0	649.3	646.1	644.4
700.8	5°	696.1	692.2	680.7	666.0	650.5	633.9	622.1	611.3	603.4	596.1
722.6	7.5°	715.7	708.9	689.0	663.3	635.8	608.1	587.5	571.8	561.3	554.4
748.1	10°	738.6	728.0	697.6	659.1	616.7	577.0	552.7	539.2	532.6	528.9
777.3	12.5°	764.8	749.8	706.4	649.5	587.5	542.1	525.5	521.5	521.8	522.0
814.1	15°	797.2	776.3	713.5	628.7	549.5	515.4	512.5	518.8	525.5	528.7
855.8	17.5°	833.7	804.3	714.8	594.4	512.2	498.3	507.6	521.3	531.4	535.8
902.3	20°	872.9	832.7	705.9	545.8	481.6	484.3	501.0	518.6	529.6	535.3
955.6	22.5°	917.8	863.1	684.9	494.8	456.6	469.1	488.7	505.9	517.4	523.0
1018.1	25°	969.0	897.2	651.8	451.9	435.0	451.9	471.5	485.7	495.1	500.2
1088.0	27.5°	1025.9	932.8	607.6	417.8	416.1	434.3	450.4	461.5	466.4	470.3
1162.3	30°	1083.1	965.1	554.2	392.1	399.7	416.8	428.4	433.3	434.7	435.5
1245.1	32.5°	1144.9	993.1	498.0	370.7	384.0	399.9	406.8	409.0	402.1	397.5
1345.7	35°	1219.6	1023.0	443.1	353.8	368.5	382.3	384.5	382.5	374.4	364.9
1471.7	37.5°	1312.1	1060.3	399.2	341.8	354.1	363.1	360.4	360.0	360.7	349.4
1623.2	40°	1425.4	1108.8	367.1	332.5	342.3	344.3	336.7	340.8	344.5	327.3
1789.5	42.5°	1551.2	1167.4	346.7	326.1	332.5	327.8	316.1	320.7	320.2	297.7
1956.5	45°	1679.4	1231.2	339.6	321.5	323.4	314.1	301.1	302.3	292.0	271.7
2116.6	47.5°	1806.9	1299.6	344.0	317.5	312.1	301.6	291.5	286.2	270.9	255.7
2270.1	50°	1932.0	1371.4	360.2	309.7	296.7	290.6	283.2	273.6	257.5	244.5
2415.3	52.5°	2047.9	1443.8	378.3	296.7	277.3	281.0	276.3	265.3	249.4	236.1
2552.6	55°	2157.8	1516.1	385.5	278.8	259.2	272.7	270.0	249.6	230.5	219.7
2696.3	57.5°	2277.4	1603.1	377.6	256.0	244.5	263.1	252.8	230.2	219.2	211.1
2883.3	60°	2443.2	1739.7	360.7	227.8	230.5	248.9	231.2	221.9	209.9	200.8
3163.9	62.5°	2718.6	1994.5	333.5	199.8	214.1	227.8	220.9	211.6	199.4	190.5
3643.5	65°	3125.6	2348.6	282.2	178.0	195.7	207.2	209.9	200.6	187.8	178.5
4063.8	67.5°	3468.9	2570.7	213.6	159.9	176.8	190.5	198.1	189.1	175.6	166.5
4162.1	70°	3450.0	2409.4	163.1	142.0	160.1	174.1	183.9	176.8	162.3	153.7
3780.5	72.5°	3064.3	2015.6	131.9	123.8	143.2	156.9	168.7	163.3	148.6	140.3
2769.6	75°	2251.2	1430.8	105.4	105.4	122.1	139.0	152.0	148.6	135.1	129.2
1162.8	77.5°	948.9	600.3	82.6	87.5	101.5	119.4	135.6	136.8	125.1	132.4
307.5	80°	252.3	165.5	63.0	68.9	79.7	98.6	117.9	117.5	104.7	97.8
114.3	82.5°	96.1	65.2	44.9	48.6	57.6	75.5	93.4	96.4	83.6	72.3
44.9	85°	37.0	28.0	27.7	29.2	33.6	50.0	70.6	73.1	63.0	53.5
12.5	87.5°	9.6	8.3	10.3	9.8	15.4	26.7	40.5	41.9	38.5	22.3
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/>
677.5
646.4
599.0
555.9
529.9
522.5
528.4
536.7
536.7
524.5
501.7
471.8
437.2
398.9
365.4
350.2
327.8
297.4
272.4
255.7
243.5
236.4
218.7
210.4
200.3
190.5
179.0
166.7
154.5
140.3
127.5
120.1
91.0
72.3
55.2
31.9
0.0

F REPORT)