

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: P846057

Luminaire Tested: **GLAN-SB1C-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846057
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-SB1C-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5676 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

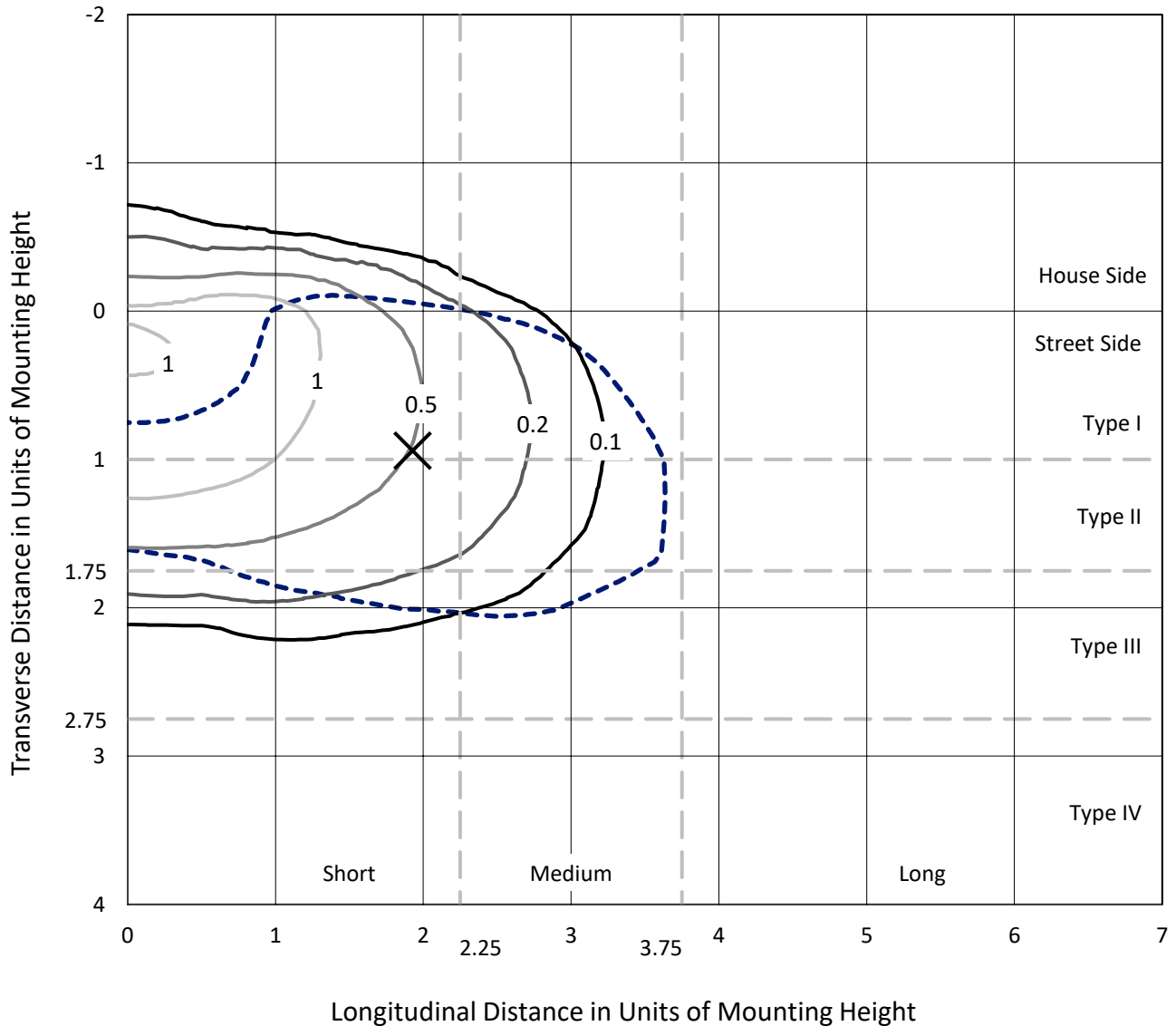
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846057
 CATALOG NUMBER: GLAN-SB1C-730-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

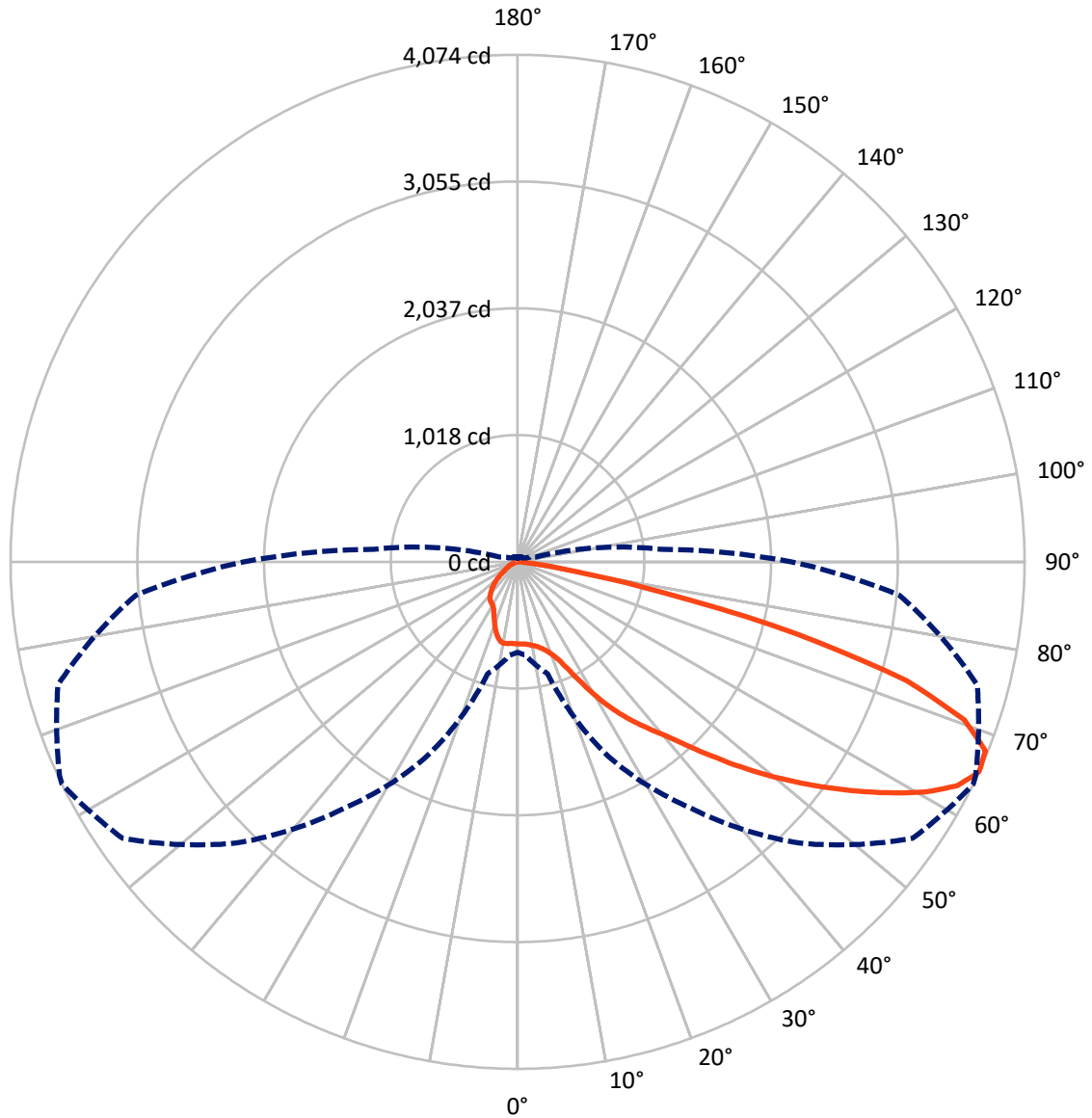
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

REPORT NUMBER: P846057
CATALOG NUMBER: GLAN-SB1C-730-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846057
 CATALOG NUMBER: GLAN-SB1C-730-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	759.1	0.0	759.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	4916.9	0.0	4916.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	5676.0	0.0	5676.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	1.1
10°-20°	165.2	2.9
20°-30°	313.0	5.5
30°-40°	633.5	11.2
40°-50°	1079.1	19.0
50°-60°	1467.5	25.9
60°-70°	1378.0	24.3
70°-80°	552.1	9.7
80°-90°	26.7	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°	5676.0	100.0
0°-180°	5676.0	100.0

Coefficient of Utilization



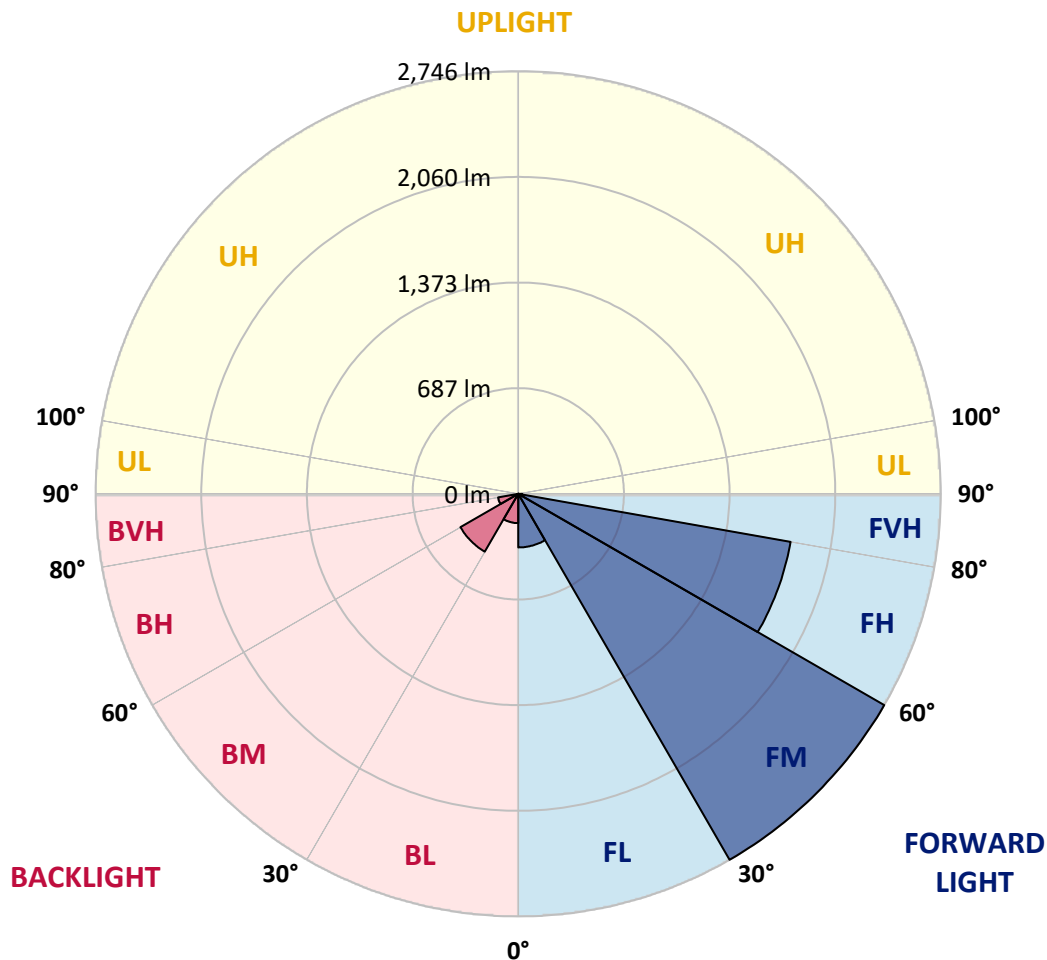
REPORT NUMBER: P846057
 CATALOG NUMBER: GLAN-SB1C-730-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	348.6	6.1			
FM (30°-60°)	2746.0	48.4			
FH (60°-80°)	1796.9	31.7			G1/1800
FVH (80°-90°)	25.4	0.4			G1/100
BL (0°-30°)	190.6	3.4	B1/500		
BM (30°-60°)	434.0	7.6	B1/1000		
BH (60°-80°)	133.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.3	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-G1

Type III Short



REPORT NUMBER: P846057
 CATALOG NUMBER: GLAN-SB1C-730-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2
2.5°	657.9	662.5	661.3	660.2	659.8	660.6	660.9	660.6	660.6	660.6
5°	645.3	649.1	649.1	651.8	655.6	660.2	663.6	664.4	665.1	666.3
7.5°	621.4	624.4	626.7	635.4	645.0	657.1	667.4	672.7	673.5	677.7
10°	605.0	608.8	612.6	621.7	635.4	653.7	671.2	684.1	686.1	695.9
12.5°	604.2	608.0	613.0	622.9	638.9	658.3	679.6	698.2	701.7	716.1
15°	612.2	616.8	621.4	633.5	650.7	674.3	697.1	720.3	723.7	744.3
17.5°	628.6	634.7	638.1	650.3	668.5	694.8	724.9	751.5	754.5	778.5
20°	660.9	668.2	669.3	679.2	697.1	725.2	761.0	794.1	797.9	825.3
22.5°	727.9	738.2	729.0	734.0	750.0	778.1	816.9	858.8	864.1	895.3
25°	845.9	860.3	836.7	828.4	835.2	864.5	913.2	966.1	972.2	997.3
27.5°	1077.6	1058.9	1023.2	988.2	967.6	984.4	1039.2	1104.6	1112.2	1136.6
30°	1332.2	1315.8	1267.5	1189.8	1141.1	1138.5	1189.1	1262.1	1270.9	1294.1
32.5°	1587.1	1571.5	1519.0	1423.5	1339.0	1297.1	1332.2	1413.2	1417.8	1432.6
35°	1837.8	1821.9	1769.4	1671.6	1567.7	1472.6	1465.7	1557.0	1558.6	1574.2
37.5°	2090.1	2076.8	2020.9	1925.0	1822.6	1691.3	1627.8	1693.3	1695.2	1710.4
40°	2270.1	2275.8	2237.4	2163.2	2075.3	1931.8	1809.7	1838.2	1826.8	1852.3
42.5°	2424.6	2436.0	2402.5	2365.2	2314.2	2187.9	2034.9	2030.0	2011.7	2025.4
45°	2558.1	2567.7	2537.6	2528.8	2527.7	2439.0	2281.1	2251.5	2226.0	2223.3
47.5°	2607.2	2625.5	2638.4	2667.7	2724.8	2687.5	2535.7	2489.7	2461.1	2440.2
50°	2625.9	2645.3	2689.4	2774.6	2909.7	2925.7	2789.1	2737.4	2702.4	2664.3
52.5°	2600.8	2635.4	2694.7	2838.2	3034.2	3116.7	3032.3	2987.0	2947.0	2885.0
55°	2452.7	2487.4	2608.7	2837.4	3096.2	3250.7	3262.1	3241.9	3197.0	3099.2
57.5°	2140.7	2192.1	2384.2	2740.8	3095.0	3366.0	3487.3	3501.8	3451.6	3311.5
60°	1708.5	1778.1	2012.5	2526.6	2999.5	3428.4	3684.8	3757.1	3703.8	3520.8
62.5°	1192.1	1272.8	1494.6	2191.0	2781.1	3383.5	3829.0	3962.6	3922.3	3708.0
65°	727.1	753.0	931.9	1724.1	2409.7	3195.5	3873.6	4073.7	4060.4	3822.6
67.5°	484.4	506.1	557.4	1182.2	1870.6	2819.9	3767.0	4054.3	4058.1	3803.9
70°	291.8	310.5	344.0	687.6	1212.3	2232.0	3437.1	3807.0	3829.0	3554.7
72.5°	120.2	132.8	163.2	311.6	627.8	1416.6	2737.0	3268.5	3319.9	2988.9
75°	68.1	74.6	95.9	156.4	272.4	660.2	1657.9	2320.3	2396.0	2060.1
77.5°	45.3	48.3	62.0	101.2	153.3	225.3	708.5	1208.9	1353.5	1125.2
80°	30.4	33.1	42.6	67.7	99.7	96.6	225.6	447.9	551.0	386.6
82.5°	20.5	20.9	30.4	44.5	63.2	46.8	66.6	139.3	175.0	111.9
85°	11.8	11.4	22.4	25.9	28.2	19.4	20.2	41.9	54.8	47.2
87.5°	1.5	2.3	8.8	6.8	3.8	4.2	4.2	7.2	10.7	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846057
 CATALOG NUMBER: GLAN-SB1C-730-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
660.2	0°	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2	660.2
660.9	2.5°	660.9	660.6	659.4	658.3	655.6	654.1	654.9	654.1	653.7	654.1
665.9	5°	665.9	664.7	661.7	657.9	652.6	646.1	641.9	635.8	630.1	626.7
679.2	7.5°	679.2	678.1	673.9	663.2	646.1	619.1	594.4	572.7	556.3	546.8
700.5	10°	700.5	698.6	692.1	668.5	623.6	564.7	515.6	474.9	448.2	435.7
725.6	12.5°	725.6	723.3	711.9	663.6	581.0	489.0	421.2	375.9	351.2	340.2
754.5	15°	755.3	752.3	729.8	640.0	519.0	405.2	343.2	309.4	293.4	283.5
791.5	17.5°	792.2	786.9	743.1	604.6	451.7	341.3	295.3	269.8	255.7	246.2
839.8	20°	840.2	831.4	753.8	562.4	389.6	301.0	262.9	241.6	231.0	222.6
908.3	22.5°	907.1	894.6	766.7	516.7	345.9	273.2	239.0	223.4	214.6	205.1
1003.8	25°	990.1	975.2	782.7	474.5	315.8	249.2	221.5	208.5	198.2	187.2
1129.0	27.5°	1106.1	1079.5	801.7	439.9	289.9	228.7	205.5	191.0	179.2	170.1
1270.9	30°	1235.5	1191.7	818.5	418.9	266.4	209.7	184.5	170.1	159.1	152.6
1398.4	32.5°	1358.0	1298.7	829.5	409.8	245.0	188.0	161.7	146.1	137.7	135.8
1523.2	35°	1473.7	1395.3	828.4	401.1	226.0	166.3	139.3	123.3	116.8	118.0
1657.5	37.5°	1606.9	1498.4	820.4	387.4	210.4	146.5	119.9	105.8	100.1	100.5
1820.7	40°	1761.7	1617.5	815.4	361.5	193.3	128.2	103.9	92.5	88.3	86.8
1992.7	42.5°	1926.9	1732.8	816.2	332.2	172.0	111.9	92.8	83.3	79.5	78.4
2184.1	45°	2092.8	1842.8	817.3	301.7	149.5	99.3	84.9	76.9	74.6	73.1
2378.2	47.5°	2248.8	1936.4	796.0	269.0	127.5	89.8	78.4	73.1	71.2	69.3
2573.0	50°	2394.1	1998.8	744.7	231.0	110.0	82.2	73.4	69.6	67.7	65.8
2749.5	52.5°	2507.2	2008.7	659.8	191.8	97.8	76.5	70.4	67.0	64.7	62.8
2892.2	55°	2557.4	1946.7	539.2	155.2	88.3	71.5	67.3	63.9	61.3	59.4
3004.5	57.5°	2544.4	1816.2	420.5	124.8	79.1	66.6	63.5	61.3	58.2	55.2
3095.4	60°	2480.9	1641.5	317.0	103.9	70.8	61.3	59.4	57.5	53.3	48.7
3130.4	62.5°	2370.9	1422.0	226.0	86.0	61.6	55.2	54.4	52.9	46.8	38.4
3078.7	65°	2202.7	1155.2	152.2	71.5	52.9	48.3	48.7	46.0	38.1	28.5
2889.2	67.5°	1956.9	844.7	97.4	58.6	44.1	40.3	40.7	39.2	32.3	24.4
2530.0	70°	1643.8	559.3	63.5	44.5	35.4	31.2	33.5	33.9	27.4	19.8
1941.7	72.5°	1205.1	330.3	44.5	33.1	25.9	21.7	27.4	28.2	22.1	14.8
1168.2	75°	686.8	156.8	33.5	24.0	16.0	15.2	21.3	21.3	15.2	9.9
505.7	77.5°	288.4	65.4	23.6	15.6	9.1	8.8	14.5	13.3	7.6	4.6
123.3	80°	83.3	29.3	12.6	7.6	3.8	3.4	5.7	4.2	1.9	0.8
46.8	82.5°	32.7	12.9	4.9	3.0	1.5	1.5	0.8	0.0	0.0	0.0
26.6	85°	19.4	5.3	2.3	1.1	0.4	0.0	0.0	0.0	0.0	0.0
5.7	87.5°	4.9	1.1	0.8	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/>
660.2
655.6
627.5
547.2
434.5
339.0
283.9
245.4
221.1
203.6
186.1
168.2
151.4
137.0
118.0
102.0
86.4
78.0
73.1
69.3
65.8
62.4
59.0
54.8
47.9
37.7
27.8
23.2
19.0
14.1
9.1
4.6
0.8
0.0
0.0
0.0
0.0

F REPORT)