

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: P846202

Luminaire Tested: **GLAN-SB1D-722-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846202  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-722-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

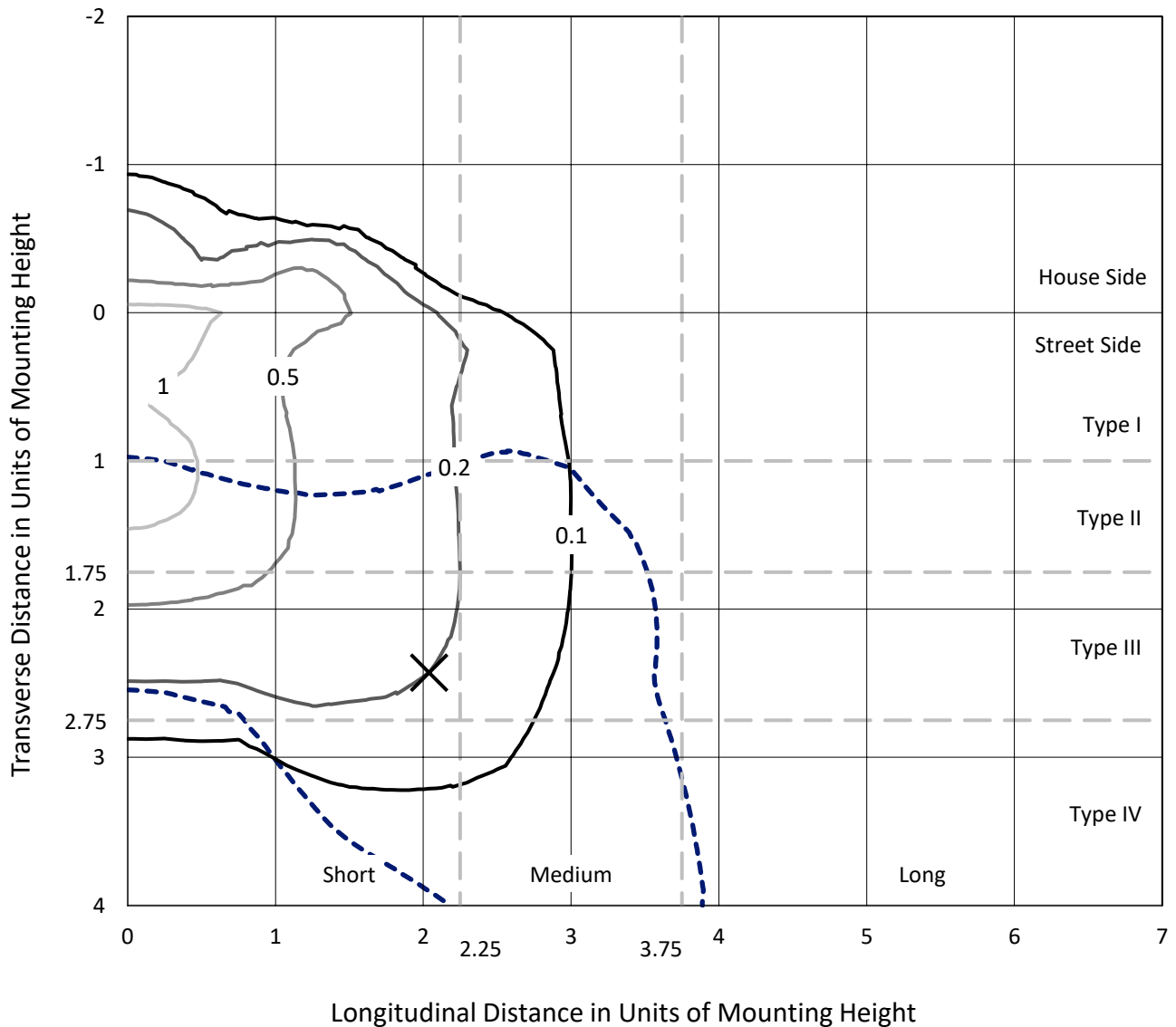
Lumens per Lamp: N/A  
Luminaire Lumens: 5557 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P846202  
 CATALOG NUMBER: GLAN-SB1D-722-U-SL4-HSS

### Iso-Footcandle Lines of Horizontal Illumination

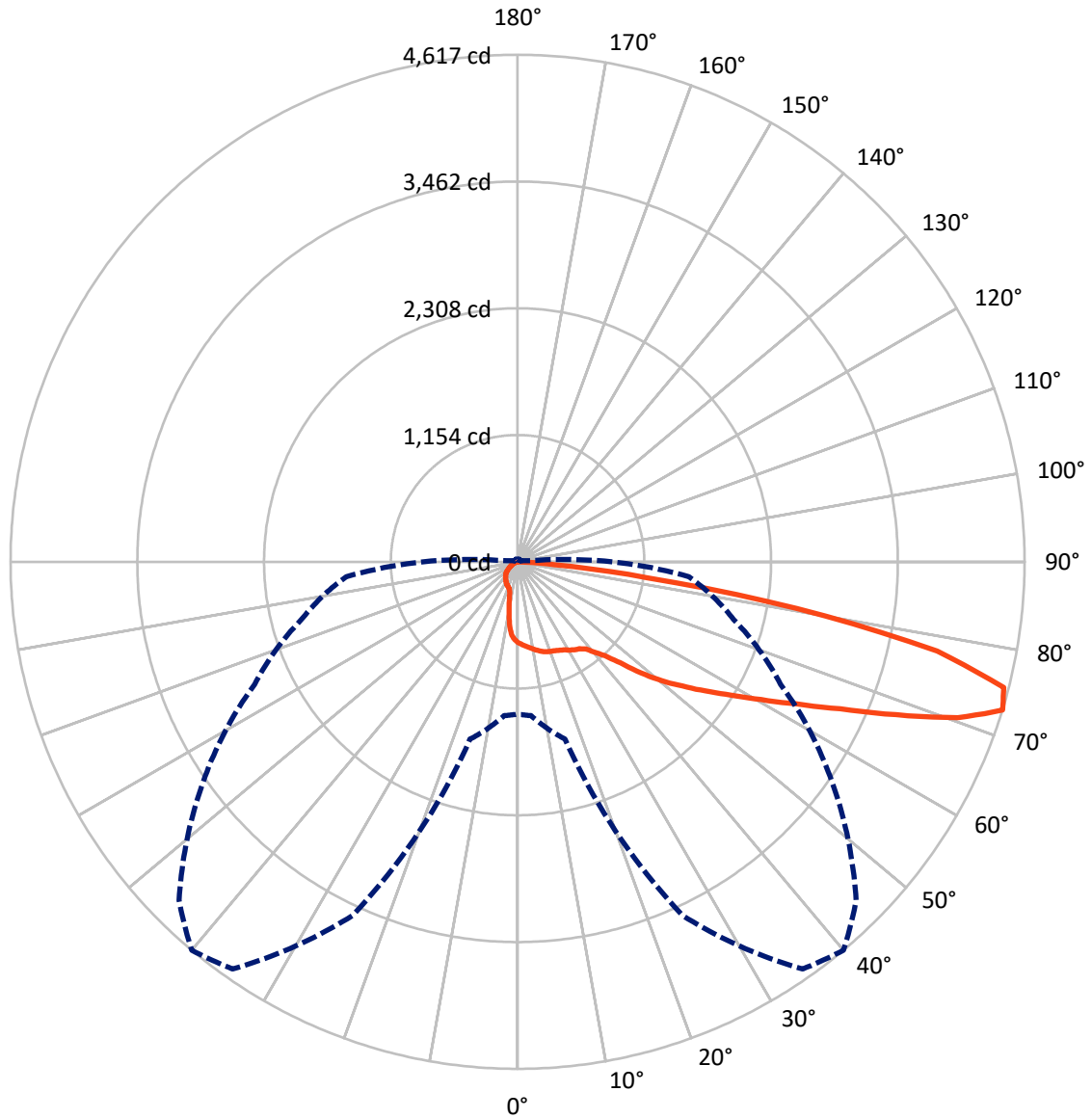
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Short - N/A

REPORT NUMBER: P846202  
CATALOG NUMBER: GLAN-SB1D-722-U-SL4-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P846202  
 CATALOG NUMBER: GLAN-SB1D-722-U-SL4-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	717.6	0.0	717.6
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	4839.4	0.0	4839.4
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	5557.0	0.0	5557.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.2	1.2
10°-20°	182.5	3.3
20°-30°	295.3	5.3
30°-40°	435.9	7.8
40°-50°	733.7	13.2
50°-60°	1139.2	20.5
60°-70°	1425.5	25.7
70°-80°	1167.0	21.0
80°-90°	110.7	2.0
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°	5557.0	100.0
0°-180°	5557.0	100.0

**Coefficient of Utilization**

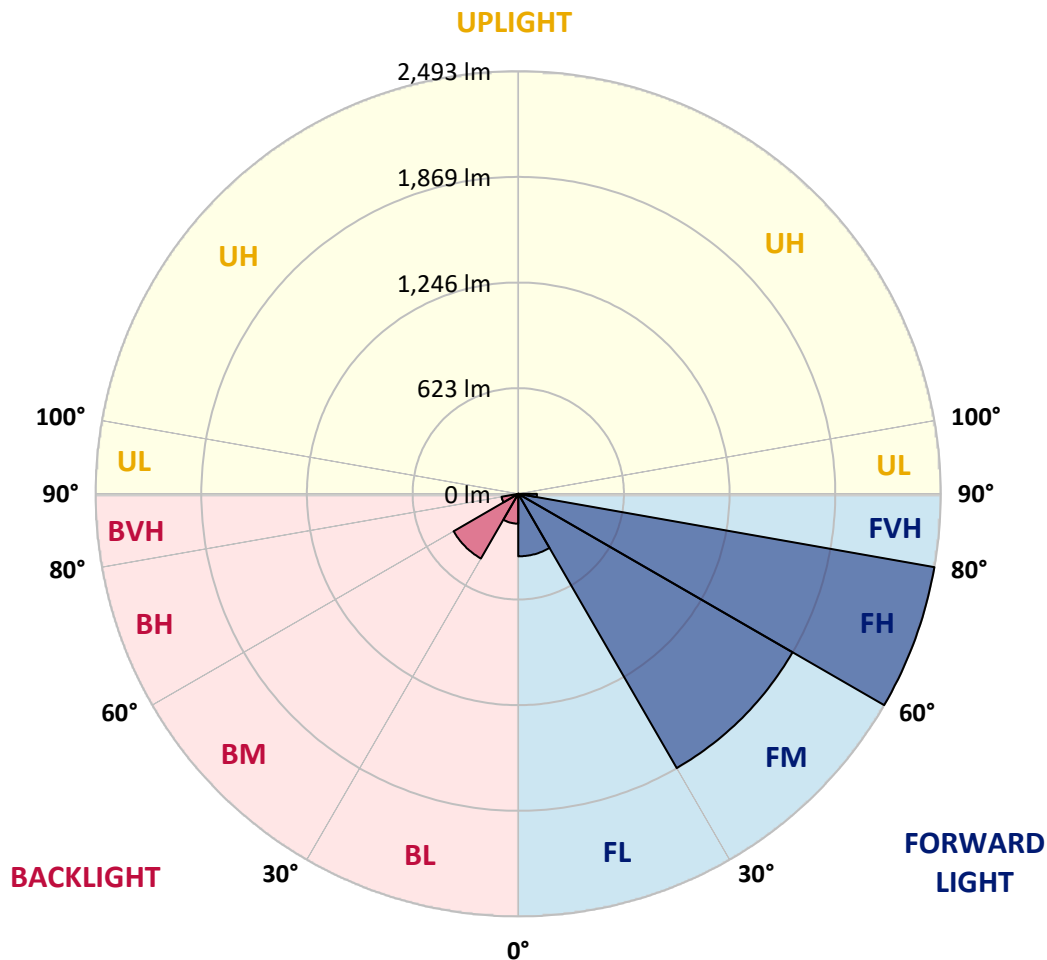


REPORT NUMBER: P846202  
 CATALOG NUMBER: GLAN-SB1D-722-U-SL4-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	368.8	6.6			
FM (30°-60°)	1868.2	33.6			
FH (60°-80°)	2492.6	44.9			G2/5000
FVH (80°-90°)	109.8	2.0			G2/225
BL (0°-30°)	176.1	3.2	B1/500		
BM (30°-60°)	440.7	7.9	B1/1000		
BH (60°-80°)	100.0	1.8	B0/110		G0/110
BVH (80°-90°)	0.8	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 IV Short



REPORT NUMBER: P846202  
 CATALOG NUMBER: GLAN-SB1D-722-U-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8
2.5°	758.0	760.9	759.2	755.9	755.0	753.4	751.3	750.4	747.5	745.0
5°	779.3	782.2	780.2	775.6	773.5	771.4	768.4	765.9	760.1	754.6
7.5°	802.8	805.3	802.8	796.1	792.7	790.2	786.0	782.2	775.6	767.6
10°	828.7	830.8	827.0	818.2	812.8	809.0	805.3	801.1	794.8	786.0
12.5°	853.0	855.5	849.6	839.2	832.9	829.1	824.9	821.6	815.3	806.9
15°	875.2	878.9	868.9	857.6	850.5	847.5	843.4	841.3	837.1	831.2
17.5°	891.9	894.4	884.0	870.6	862.6	860.5	857.6	858.8	858.0	855.1
20°	906.1	907.8	894.0	877.7	868.9	869.3	868.5	872.7	874.3	874.3
22.5°	923.7	924.1	906.6	886.0	875.6	878.5	879.8	884.4	887.7	891.1
25°	946.7	945.9	925.0	896.9	887.7	891.9	894.8	896.5	900.3	905.7
27.5°	981.1	978.5	951.8	914.5	903.6	907.4	912.8	912.0	910.3	914.5
30°	1024.6	1021.2	985.7	939.2	929.2	932.5	934.2	926.6	914.5	918.3
32.5°	1093.6	1087.8	1038.4	966.8	951.3	955.1	953.0	937.5	919.5	923.3
35°	1213.8	1199.5	1129.6	1024.6	976.5	972.3	967.2	952.2	930.0	926.2
37.5°	1469.1	1444.0	1324.7	1137.2	1033.4	1006.2	990.7	975.6	941.3	926.2
40°	1757.0	1731.5	1593.8	1325.5	1128.0	1081.9	1045.1	1003.2	953.0	931.7
42.5°	2057.5	2029.5	1888.0	1559.1	1263.2	1168.6	1099.9	1025.4	972.3	948.4
45°	2393.2	2358.0	2173.1	1802.6	1459.4	1312.5	1188.2	1071.0	1005.7	978.1
47.5°	2747.3	2701.7	2457.2	2039.1	1670.8	1511.8	1349.8	1152.7	1055.1	1022.5
50°	3061.2	3016.0	2750.6	2286.5	1868.4	1701.4	1533.9	1265.7	1129.2	1085.3
52.5°	3286.8	3252.5	3017.7	2541.8	2073.9	1879.2	1700.9	1397.1	1223.0	1165.6
55°	3437.9	3406.5	3206.8	2783.7	2312.8	2075.1	1865.4	1539.8	1336.0	1261.9
57.5°	3529.5	3511.5	3343.7	2999.7	2549.7	2289.4	2053.8	1696.8	1469.1	1375.3
60°	3562.2	3547.5	3428.7	3205.6	2836.0	2546.8	2275.2	1873.8	1630.6	1504.2
62.5°	3475.1	3478.1	3489.8	3449.6	3137.8	2848.2	2540.5	2086.4	1809.8	1650.3
65°	3065.4	3089.7	3312.3	3720.0	3537.5	3225.7	2878.3	2345.9	2014.8	1816.5
67.5°	2538.0	2573.2	2850.3	3878.2	3963.6	3715.8	3348.7	2676.6	2259.3	1985.5
70°	1942.9	1980.5	2316.2	3845.1	4362.4	4251.5	3930.5	3097.2	2512.5	2102.7
72.5°	1386.6	1405.9	1670.4	3550.9	4526.1	4616.5	4359.1	3495.6	2641.8	2037.9
75°	974.4	971.0	1146.4	2859.5	4271.2	4572.1	4208.8	3280.1	2390.7	1618.9
77.5°	424.4	425.2	572.6	1736.5	3409.0	3905.0	3498.6	2054.6	1666.6	858.0
80°	110.1	113.4	210.1	691.4	2052.5	2577.4	2133.7	903.2	770.1	209.3
82.5°	38.9	41.4	96.7	217.2	757.1	1182.0	950.1	288.8	200.9	59.9
85°	11.3	13.4	51.9	66.5	156.5	334.0	230.6	56.1	49.4	31.0
87.5°	0.0	1.7	10.5	9.2	9.2	6.3	11.7	6.3	8.0	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846202  
 CATALOG NUMBER: GLAN-SB1D-722-U-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
735.8	0°	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8	735.8
742.1	2.5°	739.6	736.6	730.4	723.7	717.4	711.5	709.8	703.6	700.6	701.1
747.9	5°	743.3	737.9	725.7	711.1	696.0	678.9	664.6	644.6	627.4	625.3
759.2	7.5°	753.4	744.6	724.9	696.4	658.8	611.5	567.5	524.0	499.3	485.9
776.0	10°	768.9	757.1	727.0	672.6	592.7	508.1	441.6	386.7	358.7	345.7
796.5	12.5°	787.3	774.3	730.4	632.0	507.3	396.4	324.4	290.9	285.0	284.2
821.6	15°	813.2	799.0	734.1	577.2	414.8	301.8	268.7	269.1	273.7	276.2
848.8	17.5°	842.1	827.9	728.7	510.2	323.5	257.8	257.0	260.7	267.4	270.0
873.9	20°	871.4	858.0	709.4	431.5	261.6	245.7	249.0	253.2	259.9	263.3
898.6	22.5°	901.5	889.8	678.9	347.8	236.1	236.9	241.1	245.3	252.8	256.6
922.9	25°	933.8	923.7	638.3	278.7	225.2	227.7	233.1	238.1	246.1	250.7
943.4	27.5°	966.4	958.9	592.2	232.7	215.1	218.1	224.3	231.0	239.0	244.4
961.4	30°	1002.0	997.8	555.4	215.5	205.5	208.0	215.1	222.7	231.5	238.1
979.4	32.5°	1038.4	1037.6	537.4	228.1	196.7	198.4	204.7	212.2	223.1	231.5
994.4	35°	1074.4	1076.1	526.9	263.7	193.8	189.2	193.4	200.1	213.0	223.5
1011.6	37.5°	1120.4	1124.6	526.5	302.2	200.9	180.0	182.9	187.5	198.8	210.9
1038.4	40°	1189.1	1211.3	553.3	335.2	213.5	171.6	172.4	173.3	179.1	189.2
1074.0	42.5°	1280.3	1345.2	650.0	357.9	218.5	164.1	161.1	156.5	155.7	161.1
1122.5	45°	1393.7	1507.2	819.9	370.4	213.5	155.7	147.7	135.6	131.0	134.8
1188.2	47.5°	1527.2	1684.6	1021.2	373.3	205.1	145.2	131.0	115.1	111.3	112.6
1276.5	50°	1657.4	1817.7	1198.3	349.1	191.3	131.8	112.6	99.2	96.7	97.1
1380.8	52.5°	1772.5	1863.3	1248.5	291.7	172.9	115.5	96.7	87.5	85.8	85.8
1495.9	55°	1848.7	1813.9	1113.3	223.1	149.8	98.8	82.9	78.3	77.4	77.0
1624.4	57.5°	1864.6	1653.2	840.8	161.1	117.2	83.3	73.7	71.2	69.5	67.8
1756.2	60°	1807.7	1385.4	535.3	112.6	87.9	71.2	65.3	63.6	60.3	56.9
1880.1	62.5°	1684.6	1046.3	296.3	78.3	70.7	60.7	57.8	55.7	49.4	43.9
1978.4	65°	1519.3	695.6	131.0	61.1	57.8	51.1	49.4	46.5	38.9	32.6
2015.7	67.5°	1353.1	400.5	59.0	49.0	46.5	41.9	40.6	38.5	33.1	27.2
1920.7	70°	1163.5	203.0	40.6	38.9	36.0	31.8	33.1	32.6	27.2	22.2
1566.6	72.5°	866.4	100.9	30.6	29.3	25.9	22.6	27.2	26.8	21.3	16.7
966.0	75°	490.5	49.8	22.2	20.5	15.5	16.7	21.8	20.5	14.6	10.9
407.7	77.5°	194.6	25.5	14.6	12.6	9.2	11.3	15.9	13.8	7.5	4.6
77.8	80°	44.8	12.6	7.5	5.4	4.2	6.7	8.4	5.0	2.1	0.4
20.9	82.5°	12.6	5.4	2.5	2.1	2.1	2.5	2.1	0.8	0.0	0.0
5.4	85°	4.2	2.5	0.8	0.4	0.4	0.4	0.4	0.0	0.0	0.0
1.7	87.5°	1.7	0.8	0.0	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/>
735.8
700.6
624.0
485.1
343.2
283.8
275.8
269.5
263.3
256.6
250.7
244.8
239.0
232.3
225.2
213.0
192.5
164.1
134.8
112.2
97.1
85.4
76.2
67.0
55.7
42.3
31.4
26.4
21.3
15.9
10.0
4.2
0.0
0.0
0.0
0.0
0.0
0.0

F REPORT)