

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: P852334

Luminaire Tested: **GLAN-SB3A-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8125 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

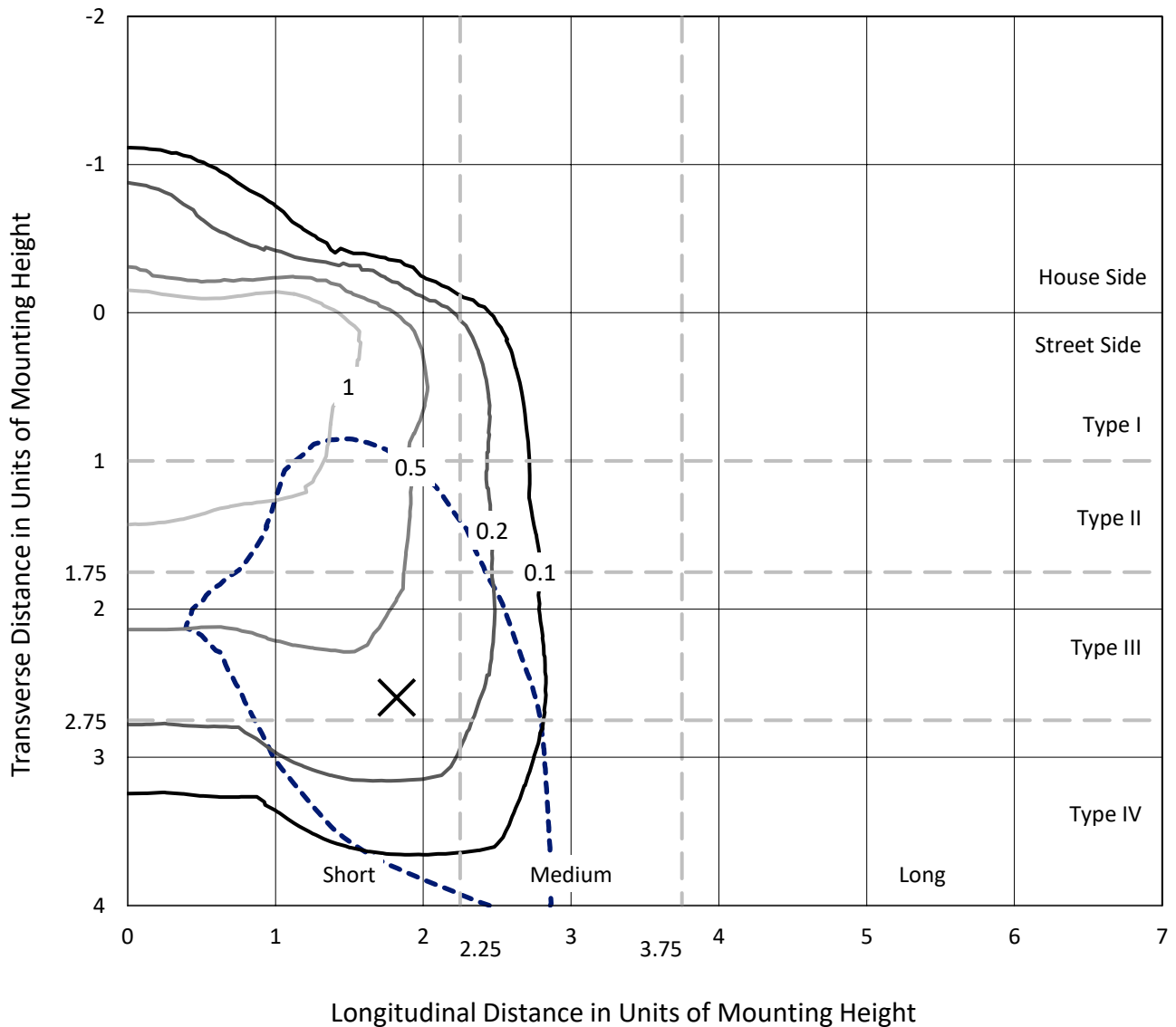
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852334
 CATALOG NUMBER: GLAN-SB3A-827-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

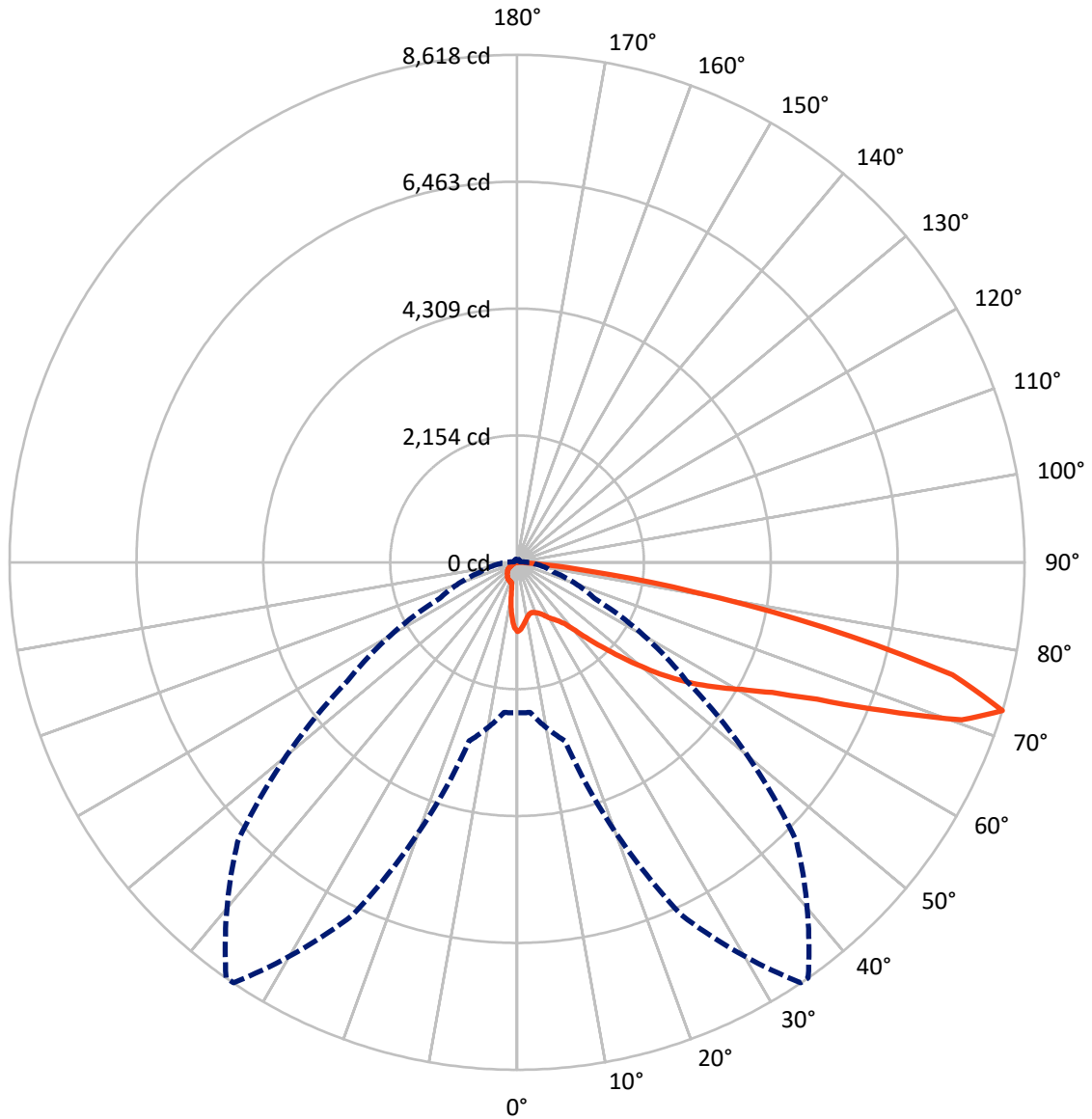
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P852334
CATALOG NUMBER: GLAN-SB3A-827-U-T4FT-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P852334
 CATALOG NUMBER: GLAN-SB3A-827-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	914.4	0.0	914.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	7210.6	0.0	7210.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	8125.0	0.0	8125.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	1.2
10°-20°	226.4	2.8
20°-30°	367.7	4.5
30°-40°	613.6	7.6
40°-50°	1160.9	14.3
50°-60°	1844.6	22.7
60°-70°	2281.9	28.1
70°-80°	1418.5	17.5
80°-90°	114.6	1.4
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°	8125.0	100.0
0°-180°	8125.0	100.0

Coefficient of Utilization



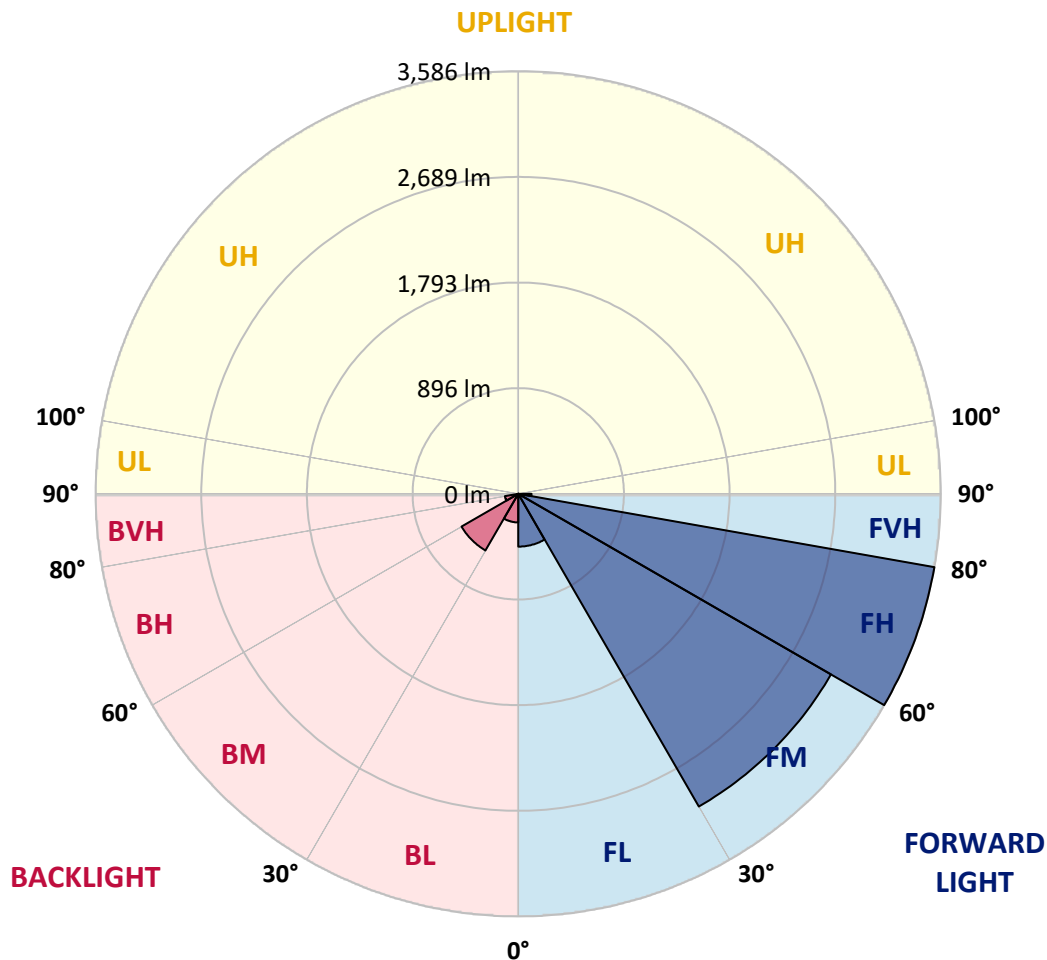
REPORT NUMBER: P852334
 CATALOG NUMBER: GLAN-SB3A-827-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	447.9	5.5			
FM	(30°-60°)	3063.9	37.7			
FH	(60°-80°)	3585.7	44.1			G2/5000
FVH	(80°-90°)	113.1	1.4			G2/225
BL	(0°-30°)	243.0	3.0	B1/500		
BM	(30°-60°)	555.1	6.8	B1/1000		
BH	(60°-80°)	114.7	1.4	B1/500		G1/500
BVH	(80°-90°)	1.6	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: P852334
 CATALOG NUMBER: GLAN-SB3A-827-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1177.6	1177.6	1177.6	1177.6	1177.6	1177.6	1177.6	1177.6	1177.6	1177.6
2.5°	1125.2	1134.7	1136.5	1139.5	1139.5	1143.1	1149.0	1157.3	1171.0	1178.2
5°	1037.1	1044.2	1053.2	1060.3	1074.0	1075.8	1099.0	1121.6	1153.2	1177.0
7.5°	948.4	956.7	968.6	985.9	1003.7	1009.1	1044.2	1082.3	1132.3	1177.0
10°	885.9	886.5	897.2	914.4	943.0	949.6	992.4	1046.6	1109.1	1169.8
12.5°	850.7	854.9	859.7	872.8	900.2	904.3	950.2	1013.9	1085.9	1165.7
15°	850.7	853.7	856.7	863.2	885.3	888.8	929.3	993.0	1074.0	1167.5
17.5°	859.7	864.4	862.1	869.8	893.0	895.4	931.1	987.1	1073.4	1178.8
20°	881.1	884.7	879.9	884.7	907.9	912.7	949.6	998.4	1083.5	1198.4
22.5°	915.0	916.8	905.5	909.1	932.9	938.9	981.7	1030.5	1107.9	1230.0
25°	957.9	961.5	944.2	948.4	971.0	978.1	1027.6	1078.8	1146.6	1273.4
27.5°	1007.3	1009.1	994.2	993.6	1022.8	1032.9	1082.9	1138.3	1198.4	1328.2
30°	1063.9	1069.2	1054.9	1052.6	1089.5	1097.8	1147.2	1211.5	1274.6	1410.4
32.5°	1108.5	1112.7	1104.4	1110.3	1147.8	1154.4	1225.2	1315.1	1394.3	1527.1
35°	1172.8	1175.2	1156.2	1166.9	1209.7	1226.4	1331.8	1460.4	1544.9	1673.5
37.5°	1405.6	1405.6	1324.6	1271.6	1312.7	1327.6	1477.6	1643.1	1730.7	1870.0
40°	1727.7	1722.3	1603.8	1495.5	1490.1	1519.3	1685.4	1873.5	1970.6	2105.7
42.5°	2071.2	2062.9	1901.5	1794.4	1776.5	1786.6	1925.3	2157.5	2256.3	2393.3
45°	2376.0	2373.6	2226.0	2081.9	2049.8	2081.9	2224.8	2489.7	2560.6	2704.6
47.5°	2631.4	2631.4	2523.7	2429.6	2412.9	2432.0	2630.2	2858.2	2851.7	3036.2
50°	2925.5	2923.1	2820.7	2780.2	2797.5	2824.3	3097.0	3246.4	3152.9	3361.9
52.5°	3131.5	3145.8	3110.7	3104.1	3192.2	3238.7	3570.9	3626.2	3422.6	3670.9
55°	3294.6	3311.3	3351.8	3397.6	3567.3	3628.0	4029.9	3986.4	3648.3	3938.8
57.5°	3525.6	3501.8	3564.3	3654.8	3929.3	4002.5	4474.6	4326.3	3829.8	4156.1
60°	3806.0	3809.6	3820.3	3934.6	4290.6	4384.7	4912.8	4647.8	3946.5	4289.4
62.5°	4143.0	4148.3	4170.4	4346.0	4775.8	4864.5	5379.5	4911.0	4000.1	4251.9
65°	4119.8	4142.4	4388.3	4989.0	5513.5	5601.0	5924.2	5095.5	3919.1	3909.0
67.5°	3753.0	3789.9	4201.3	5756.9	6625.6	6723.2	6582.7	5131.8	3569.7	3039.8
70°	3272.0	3285.1	3779.8	6447.5	7913.3	8012.1	7172.1	4732.4	2708.8	1695.5
72.5°	2555.2	2558.2	3138.6	6607.7	8612.2	8617.6	6709.5	3513.1	1456.8	651.3
75°	1825.3	1807.5	2102.1	5358.7	7576.9	7637.6	5030.0	1647.9	556.6	307.8
77.5°	978.7	998.4	1189.5	3177.9	5234.2	5337.8	2744.5	475.1	283.4	209.6
80°	302.4	319.1	487.6	1455.0	2964.8	3027.3	1017.4	211.3	197.7	149.4
82.5°	95.3	98.8	227.4	611.4	1230.6	1259.1	294.7	119.7	135.1	98.8
85°	27.4	28.0	101.2	228.0	304.2	310.2	82.8	46.4	77.4	61.3
87.5°	3.0	9.5	38.1	38.1	26.8	26.2	8.9	10.1	22.0	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852334
 CATALOG NUMBER: GLAN-SB3A-827-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1177.6	0°	1177.6	1177.6	1177.6	1177.6	1177.6	1177.6	1177.6	1177.6	1177.6	1177.6
1182.9	2.5°	1180.0	1180.6	1172.8	1159.7	1145.4	1133.5	1118.6	1106.7	1098.4	1096.0
1193.7	5°	1188.3	1184.1	1162.1	1122.2	1074.6	1033.5	987.7	951.4	927.5	917.4
1205.0	7.5°	1200.8	1188.9	1140.7	1062.1	971.0	890.0	807.9	744.2	703.7	683.5
1215.7	10°	1211.5	1187.7	1105.0	975.2	835.9	713.2	602.5	525.7	482.8	462.6
1228.2	12.5°	1221.6	1187.1	1058.5	872.2	683.5	533.4	430.4	392.3	380.4	376.3
1248.4	15°	1240.7	1188.9	1000.2	754.3	531.6	403.0	365.5	364.9	367.3	366.1
1279.4	17.5°	1266.9	1190.7	934.1	629.3	410.2	355.4	353.6	359.0	362.6	360.8
1318.1	20°	1300.8	1197.8	863.8	505.4	352.4	343.5	347.7	352.4	355.4	352.4
1369.9	22.5°	1348.4	1210.3	787.0	406.0	334.0	336.4	339.9	345.3	348.3	344.1
1436.0	25°	1406.8	1230.0	711.4	353.0	325.1	328.0	333.4	339.3	342.9	338.7
1519.3	27.5°	1482.4	1261.5	641.8	341.1	316.1	317.9	325.7	334.6	339.3	334.0
1637.8	30°	1591.9	1313.3	581.6	346.5	310.8	306.6	317.3	329.8	335.2	330.4
1799.1	32.5°	1737.2	1386.5	544.7	354.8	308.4	293.5	303.6	319.7	328.6	325.7
2009.9	35°	1927.7	1497.9	530.4	364.3	306.6	279.8	287.0	304.2	319.7	322.7
2275.4	37.5°	2158.7	1652.7	534.6	368.5	301.2	268.5	272.1	287.0	307.2	316.7
2574.3	40°	2421.3	1833.1	558.4	364.3	295.3	259.0	259.6	270.9	288.7	303.0
2895.7	42.5°	2692.1	2043.8	602.5	348.9	289.9	250.6	248.9	256.6	268.5	278.6
3216.6	45°	2949.9	2260.5	645.9	327.4	283.4	242.3	238.1	241.1	243.5	247.7
3529.2	47.5°	3175.0	2412.9	633.4	307.8	274.5	232.8	225.6	224.4	217.3	216.7
3808.4	50°	3330.3	2446.3	562.6	288.1	261.4	222.1	210.8	203.6	191.1	185.2
4017.4	52.5°	3379.8	2314.7	459.6	268.5	239.9	207.8	191.7	180.4	164.9	159.6
4137.6	55°	3314.3	2056.9	367.3	244.7	210.2	188.7	170.9	156.0	143.5	136.9
4150.7	57.5°	3154.1	1728.9	290.5	216.7	178.6	167.3	149.4	134.5	123.8	117.3
4005.5	60°	2888.6	1372.9	229.8	183.4	152.4	144.1	125.6	116.1	106.6	98.8
3630.4	62.5°	2485.5	979.9	180.4	145.3	127.4	117.9	107.2	100.0	88.7	78.0
2955.9	65°	1939.6	599.5	139.3	106.6	102.4	97.6	91.1	84.5	70.8	60.1
1928.3	67.5°	1223.4	284.0	99.4	80.4	81.0	78.6	75.6	70.3	60.1	50.6
863.8	70°	538.8	137.5	65.5	61.3	60.1	60.1	62.5	60.7	51.2	42.3
300.1	72.5°	183.4	73.8	48.8	46.4	43.5	42.9	52.4	50.6	41.1	32.7
149.4	75°	95.8	49.4	35.7	33.3	26.2	31.6	41.7	39.3	29.2	21.4
98.8	77.5°	62.5	35.1	24.4	21.4	14.9	20.8	31.0	27.4	17.3	10.7
64.9	80°	39.3	23.2	14.3	10.1	7.1	11.3	16.7	11.9	6.5	2.4
38.1	82.5°	20.8	11.9	5.4	3.6	3.0	3.6	4.2	3.0	1.2	0.0
19.6	85°	8.3	4.2	1.8	1.2	0.6	0.0	1.2	0.6	0.0	0.0
3.6	87.5°	3.0	0.6	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/>
1177.6
1100.2
921.0
686.4
463.2
375.1
365.5
360.2
351.8
343.5
338.2
334.0
329.8
325.7
322.7
319.1
307.8
282.8
250.0
216.1
185.7
159.0
136.9
116.1
97.0
76.2
58.3
49.4
40.5
<i>31.0</i>
19.6
9.5
1.8
0.0
0.0
0.0
0.0

F REPORT)