

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: P849186

Luminaire Tested: **GLAN-SB6A-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849186
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-SB6A-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22316 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

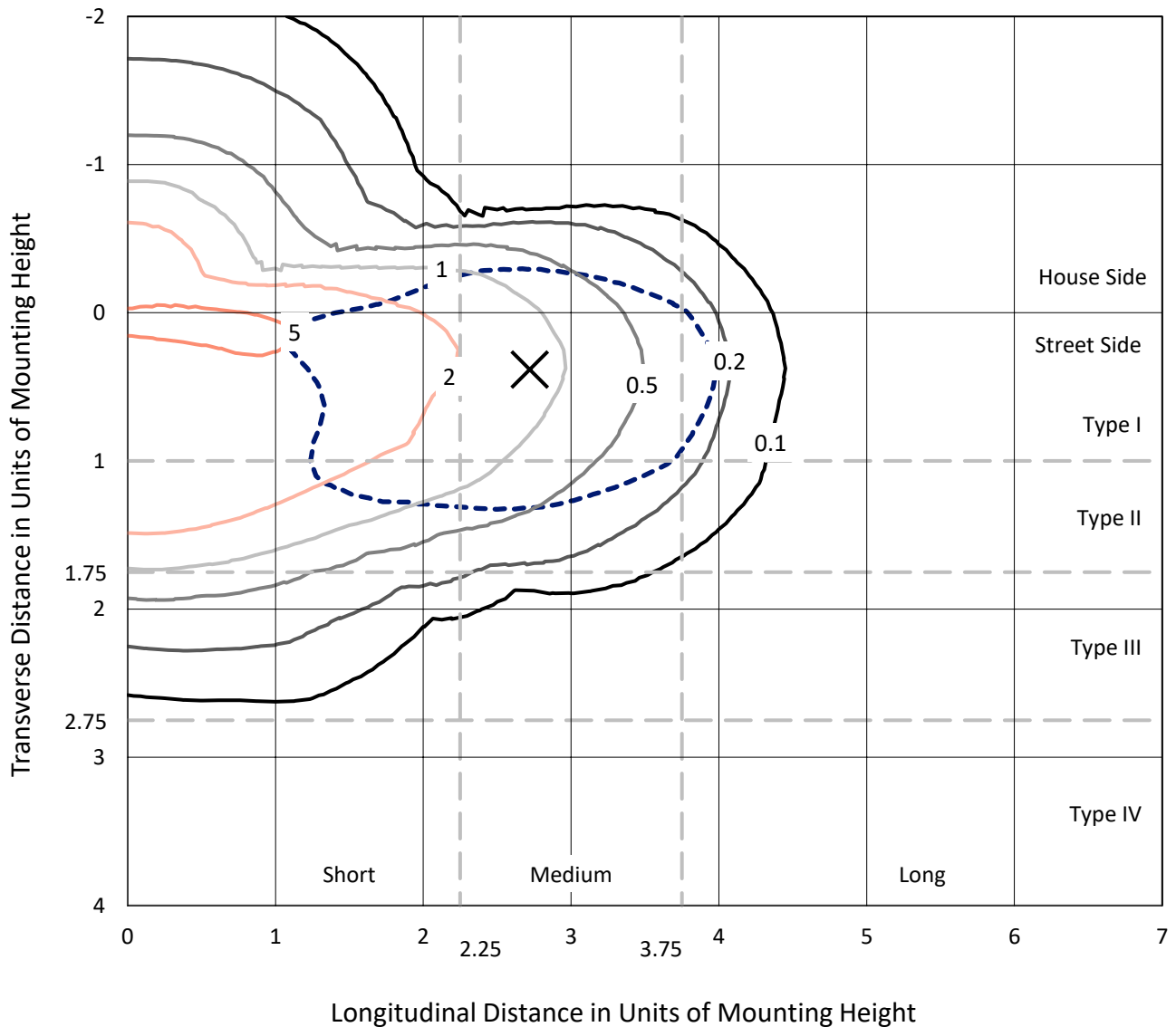
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849186
 CATALOG NUMBER: GLAN-SB6A-835-U-T2

Iso-Footcandle Lines of Horizontal Illumination

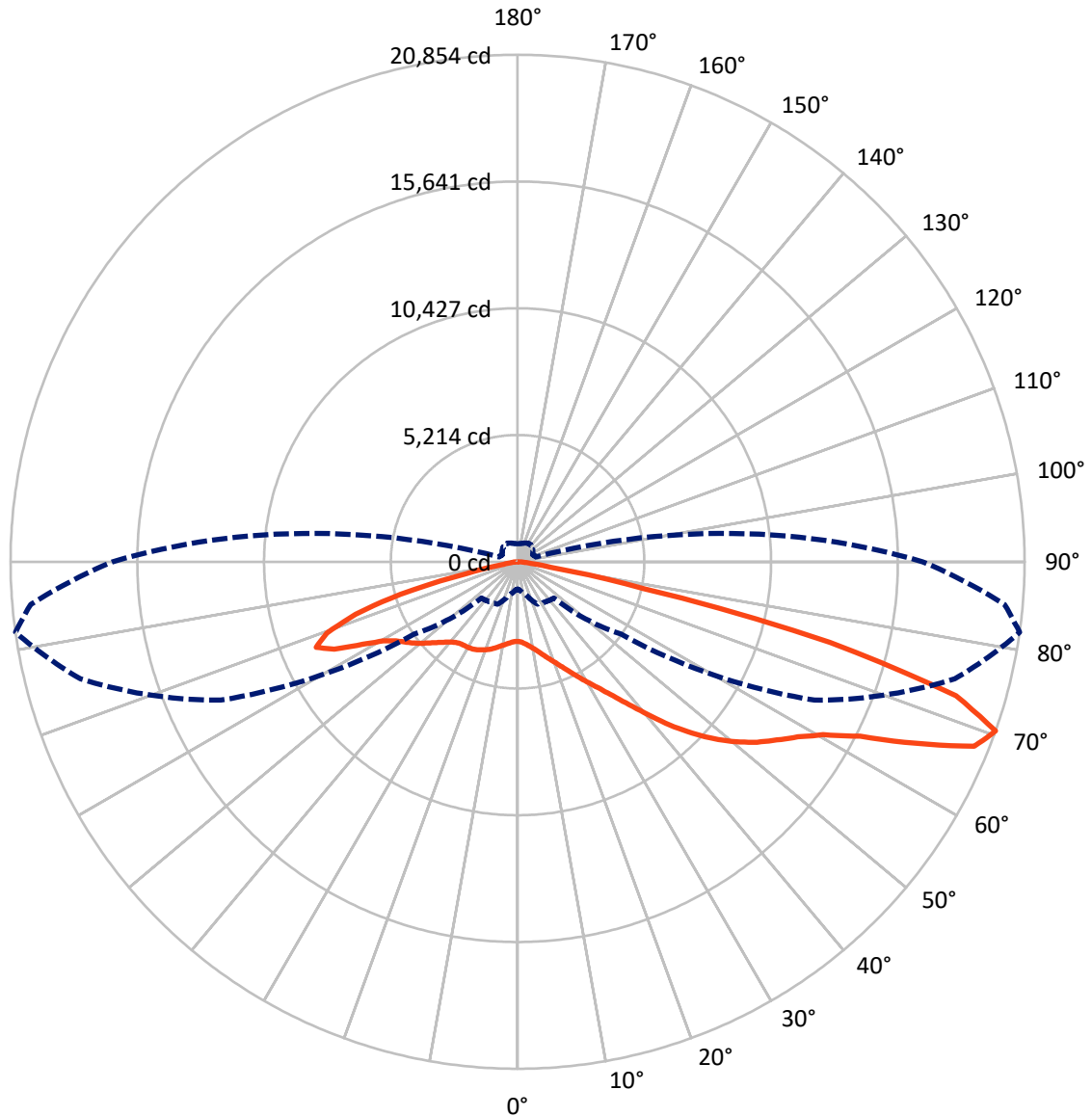
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P849186
CATALOG NUMBER: GLAN-SB6A-835-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849186
 CATALOG NUMBER: GLAN-SB6A-835-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5501.4	0.0	5501.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	16814.6	0.0	16814.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	22316.0	0.0	22316.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.9	1.4
10°-20°	887.5	4.0
20°-30°	1484.8	6.7
30°-40°	2319.6	10.4
40°-50°	3694.2	16.6
50°-60°	5140.9	23.0
60°-70°	5377.6	24.1
70°-80°	2810.6	12.6
80°-90°	291.9	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°	22316.0	100.0
0°-180°	22316.0	100.0

Coefficient of Utilization

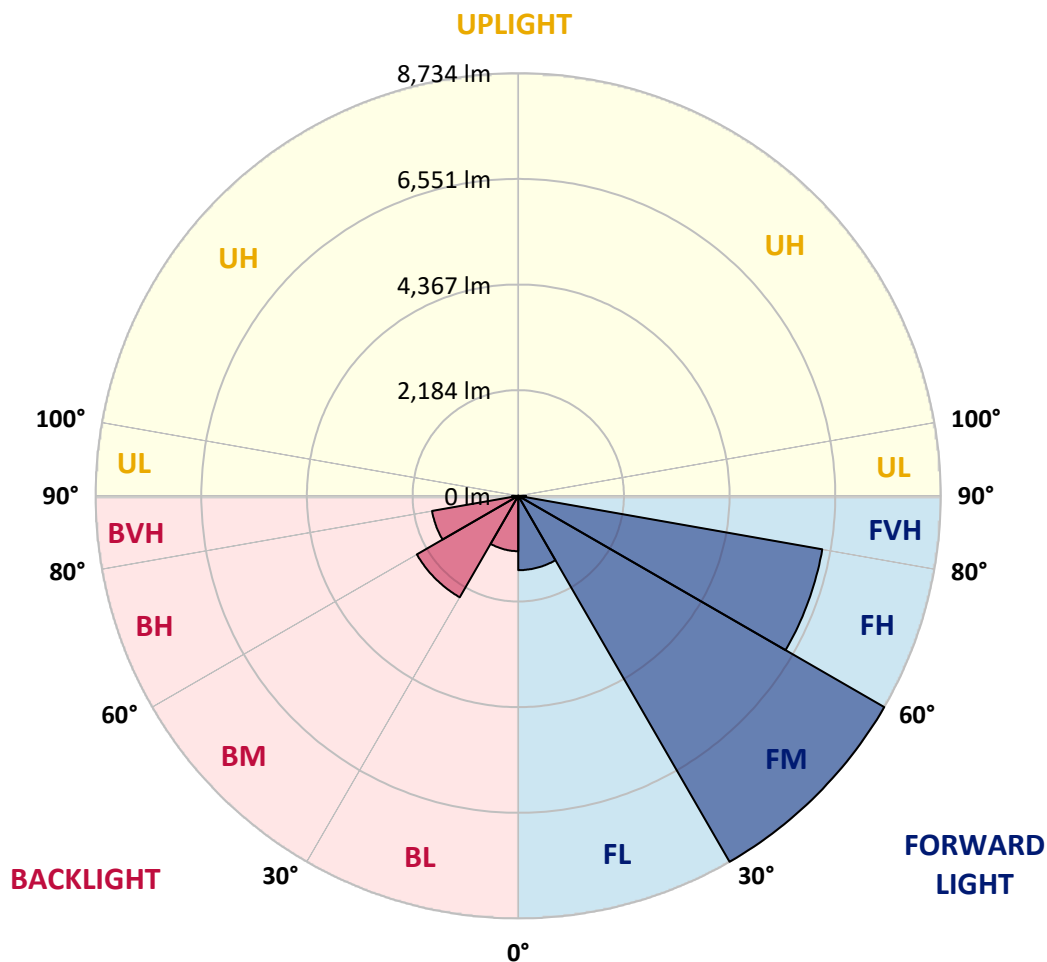


REPORT NUMBER: P849186
 CATALOG NUMBER: GLAN-SB6A-835-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1536.7	6.9			
FM (30°-60°)	8734.3	39.1			
FH (60°-80°)	6380.2	28.6			G3/7500
FVH (80°-90°)	163.4	0.7			G2/225
BL (0°-30°)	1144.5	5.1	B3/2500		
BM (30°-60°)	2420.4	10.8	B2/2500		
BH (60°-80°)	1808.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	128.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



REPORT NUMBER: P849186
 CATALOG NUMBER: GLAN-SB6A-835-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3271.8	3271.8	3271.8	3271.8	3271.8	3271.8	3271.8	3271.8	3271.8	3271.8
2.5°	3350.0	3368.9	3363.0	3357.1	3357.1	3348.8	3347.6	3335.7	3326.3	3310.9
5°	3392.6	3412.7	3410.4	3415.1	3430.5	3434.0	3437.6	3430.5	3411.5	3392.6
7.5°	3354.7	3377.2	3384.3	3412.7	3460.1	3502.7	3534.7	3547.7	3529.9	3502.7
10°	3226.8	3251.7	3276.5	3344.0	3428.1	3528.8	3614.0	3664.9	3661.4	3635.3
12.5°	2967.5	2993.5	3046.8	3178.3	3332.2	3509.8	3668.5	3775.1	3811.8	3792.8
15°	2760.3	2782.8	2823.0	2958.0	3158.1	3428.1	3688.6	3895.9	3989.4	3978.7
17.5°	2754.3	2763.8	2788.7	2852.6	3006.6	3300.2	3667.3	4014.3	4193.1	4191.9
20°	2858.5	2862.1	2876.3	2889.3	2977.0	3203.1	3612.8	4112.6	4421.6	4421.6
22.5°	3003.0	3000.6	3014.8	3003.0	3045.6	3194.8	3578.5	4199.0	4676.2	4695.2
25°	3219.7	3207.9	3204.3	3177.1	3185.4	3271.8	3616.4	4297.3	4978.2	5017.2
27.5°	3508.6	3489.7	3476.7	3413.9	3392.6	3430.5	3732.4	4415.7	5314.5	5382.0
30°	3885.2	3850.9	3831.9	3723.0	3646.0	3651.9	3907.7	4573.2	5666.2	5775.1
32.5°	4399.1	4345.8	4294.9	4116.1	3975.2	3929.0	4133.9	4791.1	6047.5	6221.5
35°	4974.6	4932.0	4877.5	4601.6	4384.9	4278.3	4439.4	5095.4	6493.9	6769.8
37.5°	5528.8	5492.1	5518.1	5146.3	4866.9	4711.7	4839.6	5503.9	7044.5	7451.9
40°	6101.9	6073.5	6077.1	5721.8	5396.2	5222.1	5325.1	6016.7	7675.7	8263.0
42.5°	6724.8	6703.5	6632.4	6317.4	5951.5	5789.3	5884.0	6608.7	8353.0	9186.6
45°	7422.2	7409.2	7342.9	6981.7	6562.6	6380.2	6508.1	7262.4	9033.9	10055.8
47.5°	8025.0	8035.6	8027.3	7723.0	7288.4	7020.8	7173.6	7944.5	9667.4	10872.9
50°	8315.1	8370.8	8452.5	8357.7	8087.7	7815.4	7845.0	8602.8	10271.3	11639.0
52.5°	8163.5	8268.9	8491.5	8643.1	8747.3	8690.5	8611.1	9256.5	10839.7	12330.5
55°	7598.7	7746.7	8116.2	8482.1	9013.7	9427.0	9531.2	9981.2	11393.9	12939.2
57.5°	6569.7	6810.0	7141.6	7881.7	8776.9	9783.4	10604.1	10986.5	11981.2	13589.3
60°	4805.3	5127.4	5539.5	6640.7	7948.0	9592.8	11517.0	12530.7	12816.0	14431.2
62.5°	3075.2	3274.2	3653.1	4690.4	6193.1	8615.9	11796.5	14460.8	14231.1	15811.9
65°	2105.4	2233.3	2580.3	3162.9	4003.6	6413.4	11048.1	15907.9	16478.6	18000.3
67.5°	1529.9	1627.0	1923.1	2433.4	2608.7	3795.2	8573.2	15841.5	18663.4	20254.9
70°	1115.5	1184.1	1432.8	1923.1	2007.1	2111.3	5193.7	13466.1	18616.0	20854.1
72.5°	826.5	873.9	1040.9	1492.0	1624.7	1425.7	2570.8	9787.0	15996.7	18862.3
75°	598.0	633.5	756.7	1141.5	1300.2	1085.9	1282.4	5719.4	11158.2	13268.4
77.5°	457.1	484.3	564.8	836.0	1040.9	814.7	795.7	2631.2	5290.8	5316.8
80°	367.1	384.8	428.7	588.5	798.1	609.8	518.7	1062.2	1672.0	1415.1
82.5°	270.0	299.6	362.3	413.3	570.8	420.4	316.2	536.4	635.9	547.1
85°	153.9	174.1	219.1	296.0	364.7	257.0	181.2	238.0	296.0	242.8
87.5°	54.5	71.0	77.0	116.0	158.7	106.6	69.9	68.7	97.1	72.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849186
 CATALOG NUMBER: GLAN-SB6A-835-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3271.8	0°	3271.8	3271.8	3271.8	3271.8	3271.8	3271.8	3271.8	3271.8	3271.8	3271.8
3307.3	2.5°	3295.5	3289.6	3265.9	3233.9	3200.8	3168.8	3158.1	3135.6	3120.2	3111.9
3384.3	5°	3361.8	3342.9	3287.2	3216.1	3141.5	3061.0	3004.2	2952.1	2914.2	2878.7
3489.7	7.5°	3456.5	3423.4	3327.5	3203.1	3070.5	2936.7	2837.2	2761.4	2710.5	2677.4
3612.8	10°	3566.7	3515.7	3368.9	3183.0	2978.1	2786.3	2669.1	2603.9	2572.0	2554.2
3753.8	12.5°	3693.4	3621.1	3411.5	3136.8	2837.2	2618.2	2537.6	2518.7	2519.9	2521.1
3931.4	15°	3849.7	3749.0	3445.9	3036.2	2653.7	2489.1	2474.9	2505.7	2537.6	2553.0
4132.7	17.5°	4026.1	3884.0	3451.8	2870.4	2473.7	2406.2	2451.2	2517.5	2566.1	2587.4
4357.7	20°	4215.6	4021.4	3409.2	2635.9	2325.7	2338.7	2419.2	2504.5	2557.8	2585.0
4614.6	22.5°	4432.3	4168.2	3307.3	2389.6	2204.9	2265.3	2360.0	2442.9	2498.6	2525.8
4916.6	25°	4679.8	4332.8	3147.5	2182.4	2100.7	2182.4	2277.1	2345.8	2390.8	2415.7
5254.1	27.5°	4954.5	4504.5	2934.3	2017.8	2009.5	2097.1	2175.3	2228.6	2252.3	2271.2
5612.9	30°	5230.4	4660.8	2676.2	1893.5	1930.2	2013.1	2068.7	2092.4	2099.5	2103.0
6013.1	32.5°	5528.8	4795.8	2405.0	1790.4	1854.4	1931.3	1964.5	1975.2	1942.0	1919.5
6498.6	35°	5890.0	4940.3	2139.8	1708.7	1779.8	1846.1	1856.7	1847.3	1808.2	1762.0
7107.3	37.5°	6336.4	5120.3	1927.8	1650.7	1709.9	1753.7	1740.7	1738.3	1741.9	1687.4
7839.1	40°	6883.5	5354.7	1772.7	1605.7	1653.1	1662.5	1625.8	1646.0	1663.7	1580.8
8641.9	42.5°	7490.9	5637.7	1674.4	1574.9	1605.7	1583.2	1526.4	1548.9	1546.5	1437.6
9448.3	45°	8110.2	5945.6	1640.0	1552.4	1561.9	1516.9	1454.1	1460.1	1410.3	1312.0
10221.6	47.5°	8726.0	6276.0	1661.4	1533.5	1507.4	1456.5	1408.0	1381.9	1308.5	1235.1
10962.9	50°	9329.9	6622.9	1739.5	1495.6	1432.8	1403.2	1367.7	1321.5	1243.4	1180.6
11663.9	52.5°	9890.0	6972.3	1827.1	1432.8	1339.3	1357.0	1334.5	1281.2	1204.3	1140.3
12327.0	55°	10420.5	7321.6	1861.5	1346.4	1251.6	1316.8	1303.7	1205.5	1113.1	1061.0
13020.9	57.5°	10998.4	7742.0	1823.6	1236.3	1180.6	1270.6	1220.9	1111.9	1058.6	1019.6
13924.4	60°	11798.9	8401.5	1741.9	1100.1	1113.1	1201.9	1116.7	1071.7	1013.6	969.8
15279.1	62.5°	13128.7	9631.9	1610.4	965.1	1033.8	1100.1	1066.9	1021.9	962.7	920.1
17595.3	65°	15094.4	11341.8	1363.0	859.7	945.0	1000.6	1013.6	968.6	907.1	862.1
19624.9	67.5°	16752.2	12414.6	1031.4	772.1	853.8	920.1	956.8	913.0	847.9	804.0
20099.8	70°	16661.0	11635.5	787.5	685.6	773.2	840.7	888.1	853.8	783.9	742.5
18257.2	72.5°	14798.3	9733.7	637.1	598.0	691.5	757.9	814.7	788.6	717.6	677.3
13375.0	75°	10871.7	6909.5	509.2	509.2	589.7	671.4	734.2	717.6	652.5	624.0
5615.2	77.5°	4582.7	2898.8	399.1	422.7	490.2	576.7	654.8	660.8	603.9	639.4
1484.9	80°	1218.5	799.3	304.3	332.7	384.8	476.0	569.6	567.2	505.6	472.5
551.8	82.5°	464.2	315.0	216.7	234.5	278.3	364.7	451.2	465.4	403.8	349.3
216.7	85°	178.8	135.0	133.8	140.9	162.2	241.6	341.0	352.9	304.3	258.1
60.4	87.5°	46.2	40.3	49.7	47.4	74.6	129.1	195.4	202.5	185.9	107.8
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°
3271.8
3121.4
2892.9
2684.5
2558.9
2523.4
2551.8
2592.1
2592.1
2532.9
2422.8
2278.3
2111.3
1926.6
1764.4
1691.0
1583.2
1436.4
1315.6
1235.1
1175.9
1141.5
1056.3
1016.0
967.5
920.1
864.4
805.2
746.0
677.3
615.8
580.2
439.3
349.3
266.4
153.9
0.0

F REPORT)