

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: P853161

Luminaire Tested: **GLAN-SB9A-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26006 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

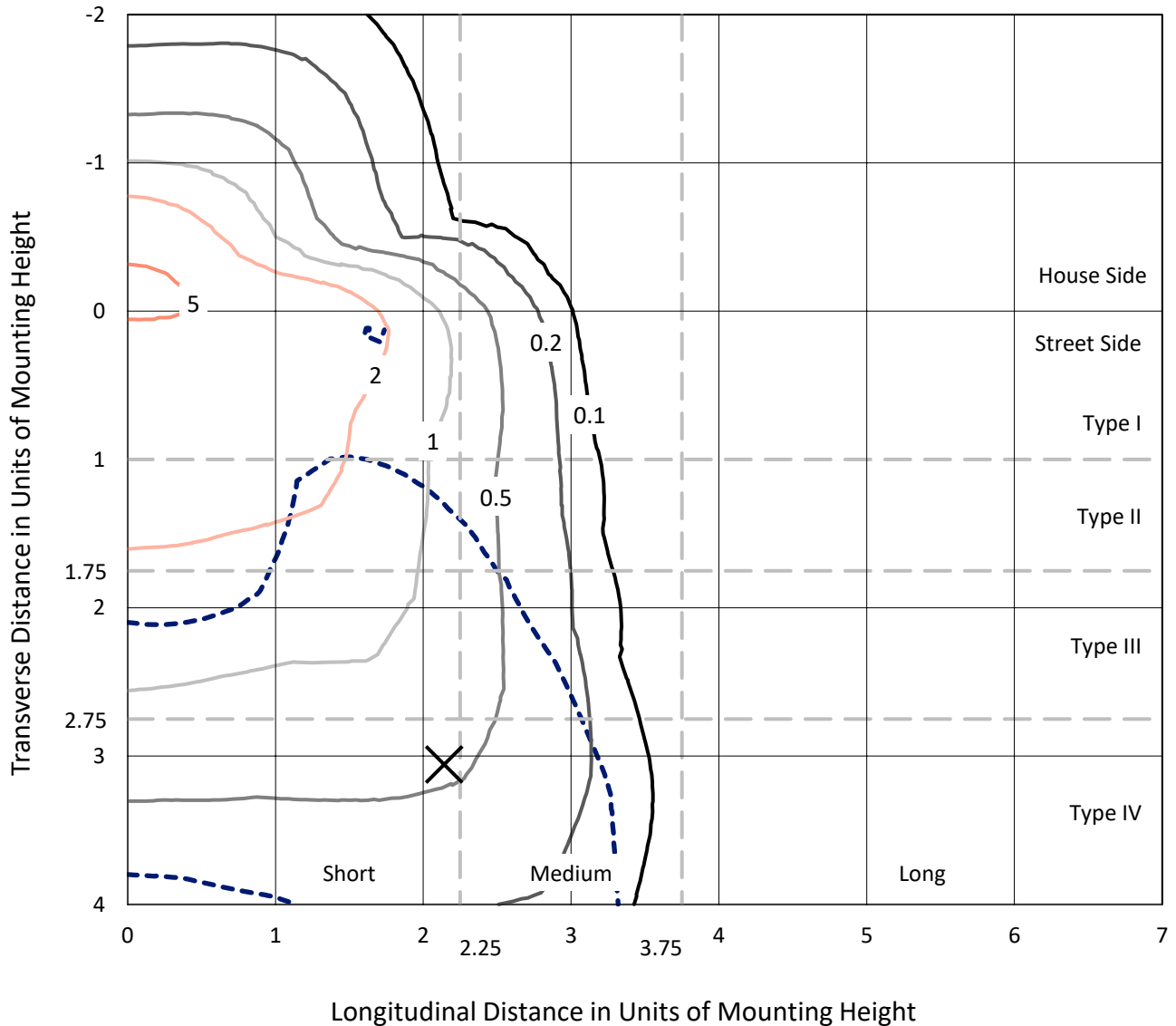
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853161
 CATALOG NUMBER: GLAN-SB9A-927-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

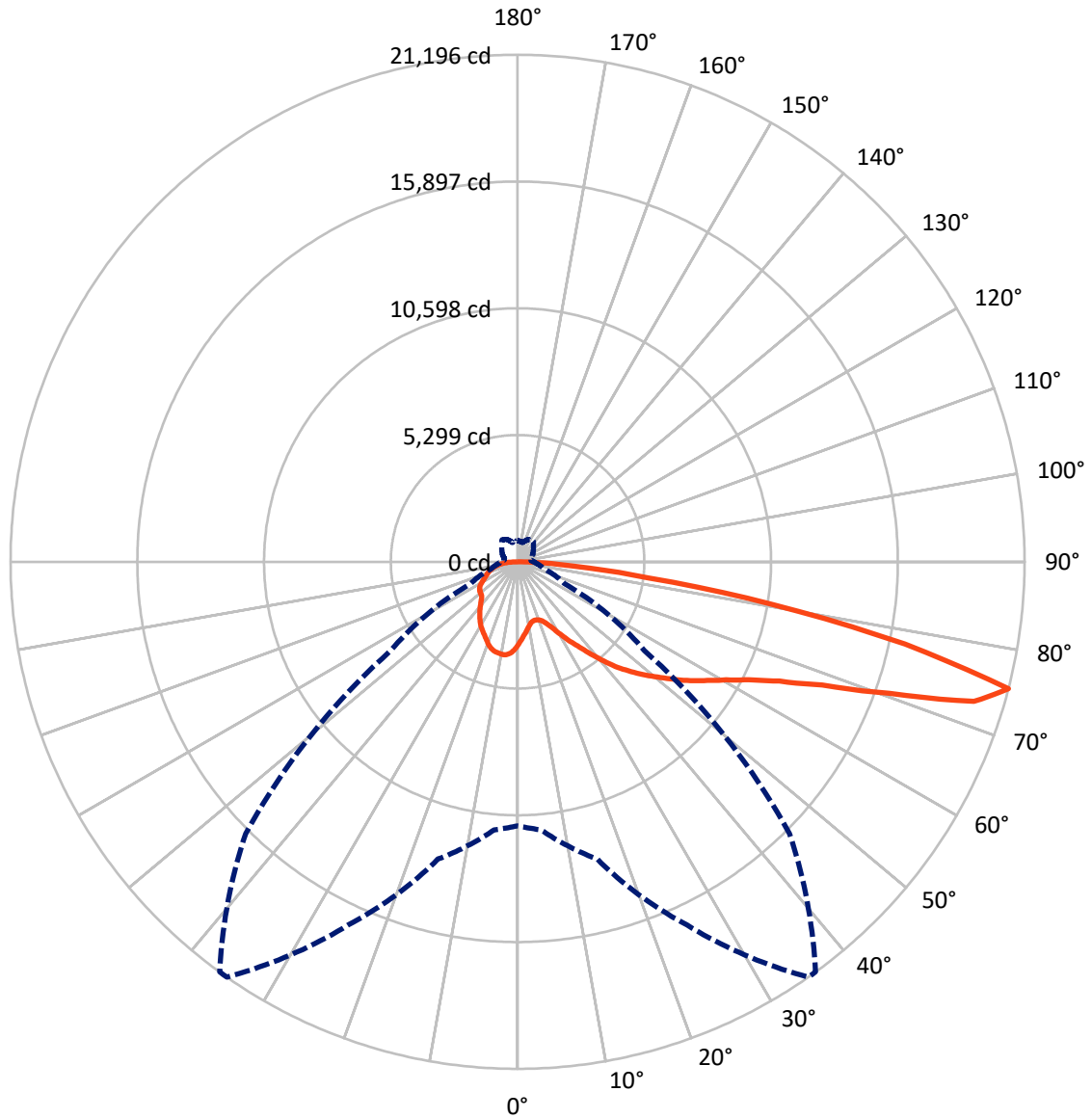
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P853161
CATALOG NUMBER: GLAN-SB9A-927-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P853161
 CATALOG NUMBER: GLAN-SB9A-927-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6188.8	0.0	6188.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	19817.2	0.0	19817.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	26006.0	0.0	26006.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.1	1.3
10°-20°	946.4	3.6
20°-30°	1589.3	6.1
30°-40°	2470.0	9.5
40°-50°	3666.1	14.1
50°-60°	5061.2	19.5
60°-70°	6140.4	23.6
70°-80°	5074.6	19.5
80°-90°	729.9	2.8
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°	26006.0	100.0
0°-180°	26006.0	100.0

Coefficient of Utilization

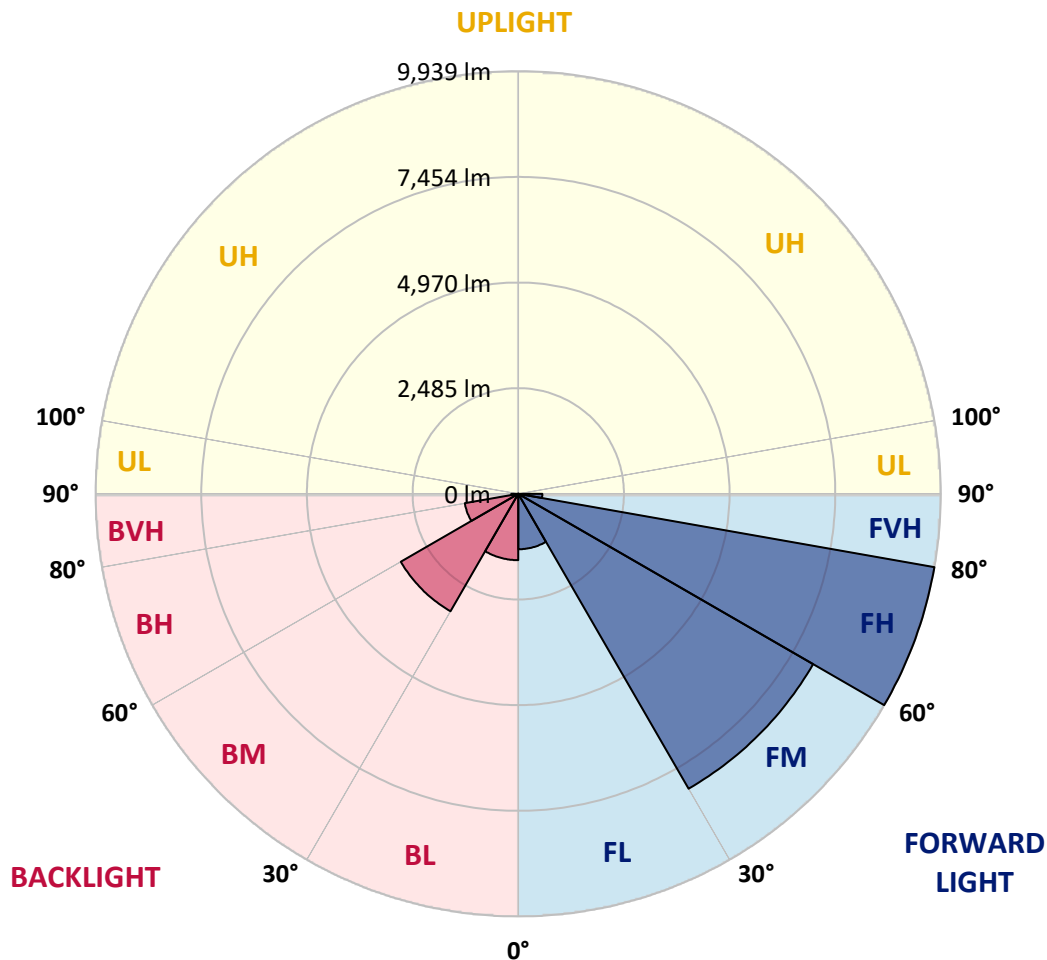


REPORT NUMBER: P853161
 CATALOG NUMBER: GLAN-SB9A-927-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1304.1	5.0			
FM	(30°-60°)	8008.4	30.8			
FH	(60°-80°)	9939.1	38.2			G4/12000
FVH	(80°-90°)	565.5	2.2			G4/750
BL	(0°-30°)	1559.7	6.0	B3/2500		
BM	(30°-60°)	3188.8	12.3	B3/5000		
BH	(60°-80°)	1275.9	4.9	B3/2500		G3/2500
BVH	(80°-90°)	164.4	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-G4
 Type IV Short



REPORT NUMBER: P853161
 CATALOG NUMBER: GLAN-SB9A-927-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3465.5	3465.5	3465.5	3465.5	3465.5	3465.5	3465.5	3465.5	3465.5	3465.5
2.5°	3195.5	3215.2	3223.7	3219.4	3240.5	3237.7	3267.2	3303.8	3354.4	3403.6
5°	2949.5	2970.6	2988.9	3005.8	3046.5	3059.2	3105.6	3175.9	3268.7	3362.8
7.5°	2720.4	2738.6	2766.8	2797.7	2866.6	2879.2	2956.5	3066.2	3195.5	3333.3
10°	2533.4	2551.7	2581.2	2616.3	2702.1	2717.6	2816.0	2962.2	3130.9	3305.2
12.5°	2453.2	2458.9	2475.7	2510.9	2585.4	2595.2	2703.5	2870.8	3067.6	3284.1
15°	2449.0	2460.3	2461.7	2480.0	2541.8	2546.0	2645.9	2811.7	3028.2	3279.9
17.5°	2491.2	2499.6	2487.0	2498.2	2550.3	2557.3	2636.0	2783.6	3015.6	3298.2
20°	2603.7	2610.7	2572.7	2557.3	2595.2	2600.9	2678.2	2801.9	3028.2	3336.1
22.5°	2842.7	2846.9	2754.1	2690.8	2693.7	2696.5	2763.9	2876.4	3077.5	3405.0
25°	3215.2	3212.4	3064.8	2942.5	2872.2	2856.7	2901.7	2997.3	3160.4	3496.4
27.5°	3651.1	3630.0	3482.3	3299.6	3146.3	3123.8	3114.0	3154.8	3278.5	3617.3
30°	4143.1	4123.4	3964.6	3725.6	3513.3	3476.7	3383.9	3362.8	3454.2	3781.8
32.5°	4683.0	4670.3	4480.5	4190.9	3906.9	3864.7	3708.7	3652.5	3724.2	4030.6
35°	5135.7	5124.4	4966.9	4668.9	4321.7	4269.6	4110.8	4047.5	4084.1	4349.8
37.5°	5544.8	5539.1	5404.2	5169.4	4810.9	4747.6	4569.1	4548.0	4541.0	4770.1
40°	5924.3	5910.3	5769.7	5646.0	5380.3	5322.6	5165.2	5146.9	5093.5	5287.5
42.5°	6344.7	6308.1	6104.3	6046.7	5975.0	5927.2	5833.0	5835.8	5717.7	5870.9
45°	6687.7	6666.6	6457.2	6423.4	6500.8	6481.1	6562.6	6583.7	6354.5	6482.5
47.5°	7056.1	7036.4	6859.3	6835.4	7044.8	7050.4	7338.7	7345.7	6975.9	7117.9
50°	7510.2	7482.1	7306.3	7335.8	7570.6	7591.7	8118.9	8071.1	7548.1	7763.2
52.5°	7809.6	7826.5	7788.5	7836.3	8156.9	8176.6	8886.5	8764.2	8114.7	8400.1
55°	8030.3	8064.1	8182.2	8291.8	8775.5	8795.1	9610.5	9423.6	8584.3	8990.6
57.5°	8314.3	8266.5	8487.3	8700.9	9363.1	9415.1	10314.9	10059.0	9000.4	9499.5
60°	8722.0	8688.3	8859.8	9176.1	10021.1	10104.0	11060.0	10631.2	9305.5	9903.0
62.5°	9548.7	9464.3	9491.0	9770.8	10850.5	10960.2	11900.7	11130.3	9457.3	10060.4
65°	10784.4	10639.6	10504.7	10698.7	12018.8	12127.1	12849.7	11522.5	9401.1	9755.3
67.5°	12340.7	12197.3	12031.5	12214.2	13739.6	13825.3	14020.8	11743.3	8958.2	8580.0
70°	13624.3	13570.9	13769.1	14521.3	16488.1	16490.9	15522.2	11560.5	7745.0	6083.2
72.5°	13454.2	13421.9	14466.4	16791.7	19952.1	19877.6	16943.6	10177.1	5217.2	2744.3
75°	11037.5	11247.0	12865.1	16751.0	21196.3	21186.5	16073.3	6469.8	2158.0	1137.4
77.5°	5918.7	6250.5	8352.3	12367.5	16547.1	16796.0	11300.4	2263.5	926.5	728.2
80°	1930.3	2219.9	3329.1	6296.9	10752.1	10705.7	4843.2	888.5	634.0	516.0
82.5°	819.6	853.4	1487.4	2973.4	5518.0	5432.3	1542.2	510.3	445.7	352.9
85°	320.5	358.5	656.5	1374.9	2390.0	2338.0	556.7	253.1	285.4	230.6
87.5°	105.4	127.9	234.8	471.0	743.7	717.0	136.4	87.2	123.7	105.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853161
 CATALOG NUMBER: GLAN-SB9A-927-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3465.5	0°	3465.5	3465.5	3465.5	3465.5	3465.5	3465.5	3465.5	3465.5	3465.5	3465.5
3475.3	2.5°	3495.0	3517.5	3544.2	3583.6	3617.3	3645.4	3675.0	3693.2	3700.3	3721.3
3480.9	5°	3520.3	3569.5	3635.6	3700.3	3763.5	3801.5	3835.2	3852.1	3867.6	3878.8
3496.4	7.5°	3562.5	3625.7	3729.8	3814.1	3867.6	3898.5	3921.0	3915.4	3921.0	3923.8
3513.3	10°	3599.0	3687.6	3811.3	3891.5	3932.2	3933.6	3928.0	3908.3	3898.5	3899.9
3538.6	12.5°	3642.6	3741.0	3874.6	3942.1	3953.3	3922.4	3898.5	3864.7	3852.1	3846.5
3576.5	15°	3701.7	3814.1	3943.5	3968.8	3940.7	3901.3	3860.5	3805.7	3777.6	3755.1
3641.2	17.5°	3773.4	3897.1	3996.9	3978.6	3918.2	3853.5	3787.4	3704.5	3646.8	3622.9
3729.8	20°	3873.2	3984.2	4037.7	3957.5	3866.1	3767.7	3655.3	3554.0	3500.6	3476.7
3842.2	22.5°	3994.1	4100.9	4077.0	3921.0	3791.6	3634.2	3493.6	3419.1	3392.4	3375.5
3987.1	25°	4138.9	4230.3	4105.1	3867.6	3669.3	3457.0	3348.8	3324.9	3312.2	3299.6
4164.2	27.5°	4327.3	4376.5	4126.2	3788.8	3478.1	3268.7	3229.3	3233.5	3229.3	3208.2
4410.2	30°	4576.1	4566.3	4145.9	3660.9	3258.8	3098.5	3101.4	3119.6	3122.4	3108.4
4753.3	32.5°	4903.7	4803.9	4155.8	3495.0	3049.3	2949.5	2952.3	2972.0	2986.1	2962.2
5201.7	35°	5300.1	5080.8	4140.3	3286.9	2887.7	2807.5	2786.4	2792.1	2796.3	2773.8
5745.8	37.5°	5762.7	5391.5	4071.4	3056.4	2754.1	2668.3	2623.4	2585.4	2562.9	2541.8
6361.6	40°	6270.2	5730.3	3944.9	2831.4	2605.1	2520.7	2453.2	2381.5	2305.6	2277.5
7013.9	42.5°	6801.6	6079.0	3791.6	2616.3	2433.6	2364.7	2293.0	2188.9	2075.1	2017.4
7691.5	45°	7352.7	6436.1	3641.2	2404.0	2257.8	2228.3	2145.4	2020.2	1896.5	1823.4
8370.6	47.5°	7892.6	6773.5	3420.5	2190.3	2093.3	2125.7	2061.0	1945.7	1808.0	1692.7
9044.0	50°	8408.5	7089.8	3059.2	1973.8	1959.8	2094.7	2032.9	1867.0	1709.5	1561.9
9704.7	52.5°	8920.3	7345.7	2596.6	1777.0	1888.1	2086.3	1996.3	1813.6	1621.0	1466.3
10326.1	55°	9354.7	7477.8	2151.0	1608.3	1784.1	2014.6	1952.8	1750.3	1495.8	1331.4
10752.1	57.5°	9602.1	7371.0	1779.8	1442.4	1640.7	1896.5	1878.2	1615.3	1346.8	1220.3
10835.1	60°	9495.3	6938.0	1476.2	1297.6	1504.3	1768.6	1748.9	1481.8	1233.0	1113.5
10390.8	62.5°	8906.2	6112.7	1235.8	1171.1	1380.6	1637.8	1619.6	1379.2	1145.8	1030.5
9211.3	65°	7719.6	4972.6	1048.8	1065.7	1255.4	1480.4	1507.1	1293.4	1076.9	964.4
7126.4	67.5°	5887.8	3601.8	902.6	974.3	1133.1	1325.7	1403.1	1231.5	1019.3	912.4
4123.4	70°	3355.8	2045.5	778.9	885.7	1024.9	1182.3	1322.9	1182.3	957.4	868.8
1545.1	72.5°	1272.3	939.1	673.4	797.1	920.8	1061.4	1234.4	1105.0	885.7	819.6
798.5	75°	679.0	572.2	566.6	693.1	801.3	943.3	1123.3	1029.1	832.3	866.0
552.5	77.5°	462.5	404.9	473.8	593.3	670.6	812.6	1005.2	913.8	721.2	718.4
382.4	80°	320.5	286.8	385.2	478.0	518.8	683.3	877.3	784.5	587.7	548.3
236.2	82.5°	192.6	187.0	288.2	357.1	366.9	527.2	726.8	657.9	480.8	418.9
140.6	85°	105.4	111.1	184.2	209.5	213.7	368.3	569.4	508.9	369.7	310.7
50.6	87.5°	29.5	38.0	67.5	82.9	102.6	191.2	338.8	302.3	185.6	129.3
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°
3465.5
3719.9
3881.6
3928.0
3902.7
3843.7
3762.1
3624.3
3473.9
3378.3
3299.6
3212.4
3115.4
2973.4
2789.3
2555.9
2290.2
2024.5
1817.8
1680.0
1549.3
1449.5
1317.3
1203.4
1096.6
1012.2
946.2
895.5
857.6
808.4
894.1
662.2
524.4
421.8
313.5
129.3
0.0

F REPORT)