

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: P852687

Luminaire Tested: **GLAN-SB5C-930-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852687  
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-SB5C-930-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

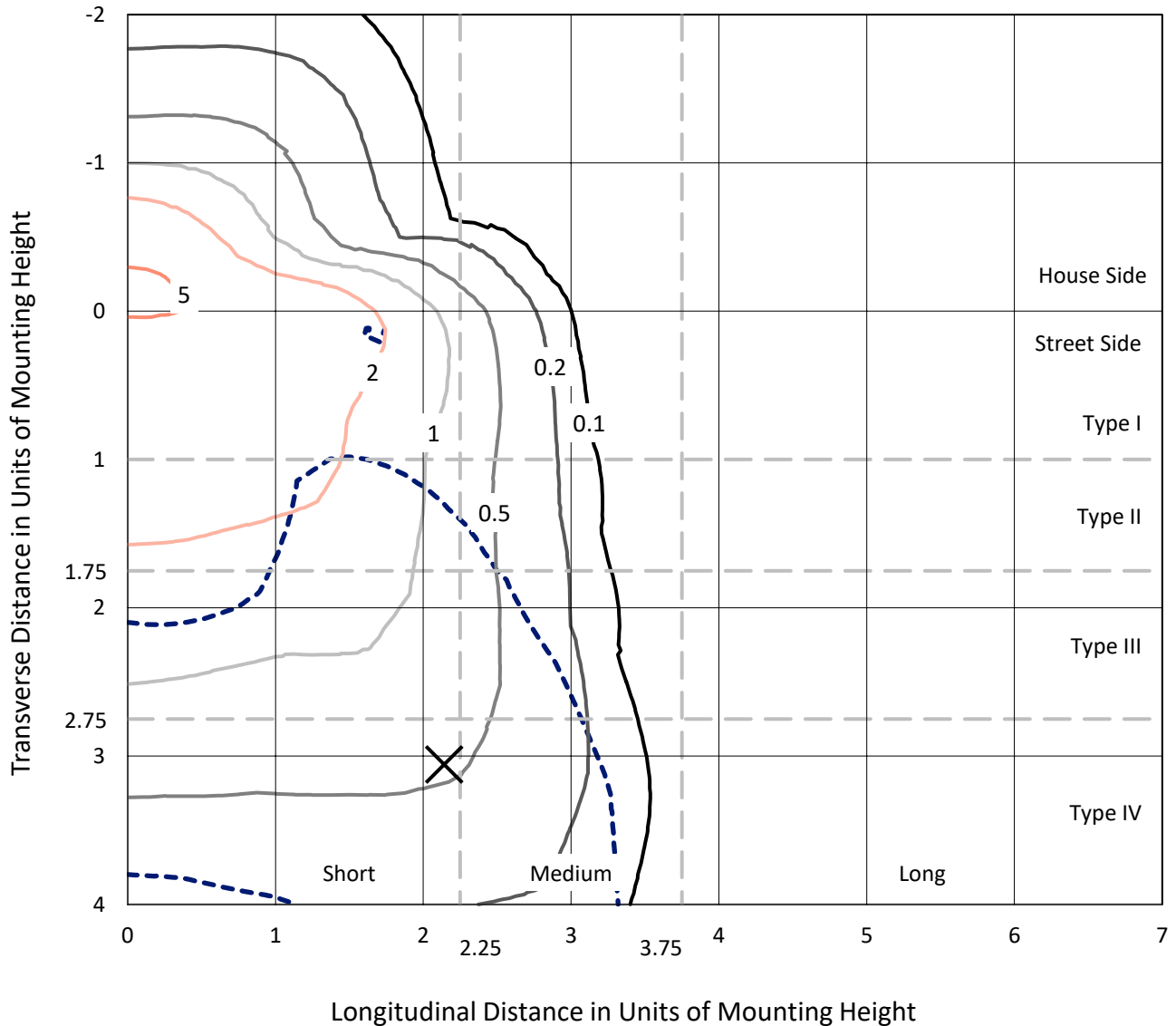
Lumens per Lamp: N/A  
Luminaire Lumens: 25226 lumens  
Efficiency: N/A  
Efficacy: 101.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P852687  
 CATALOG NUMBER: GLAN-SB5C-930-U-T4FT

### Iso-Footcandle Lines of Horizontal Illumination

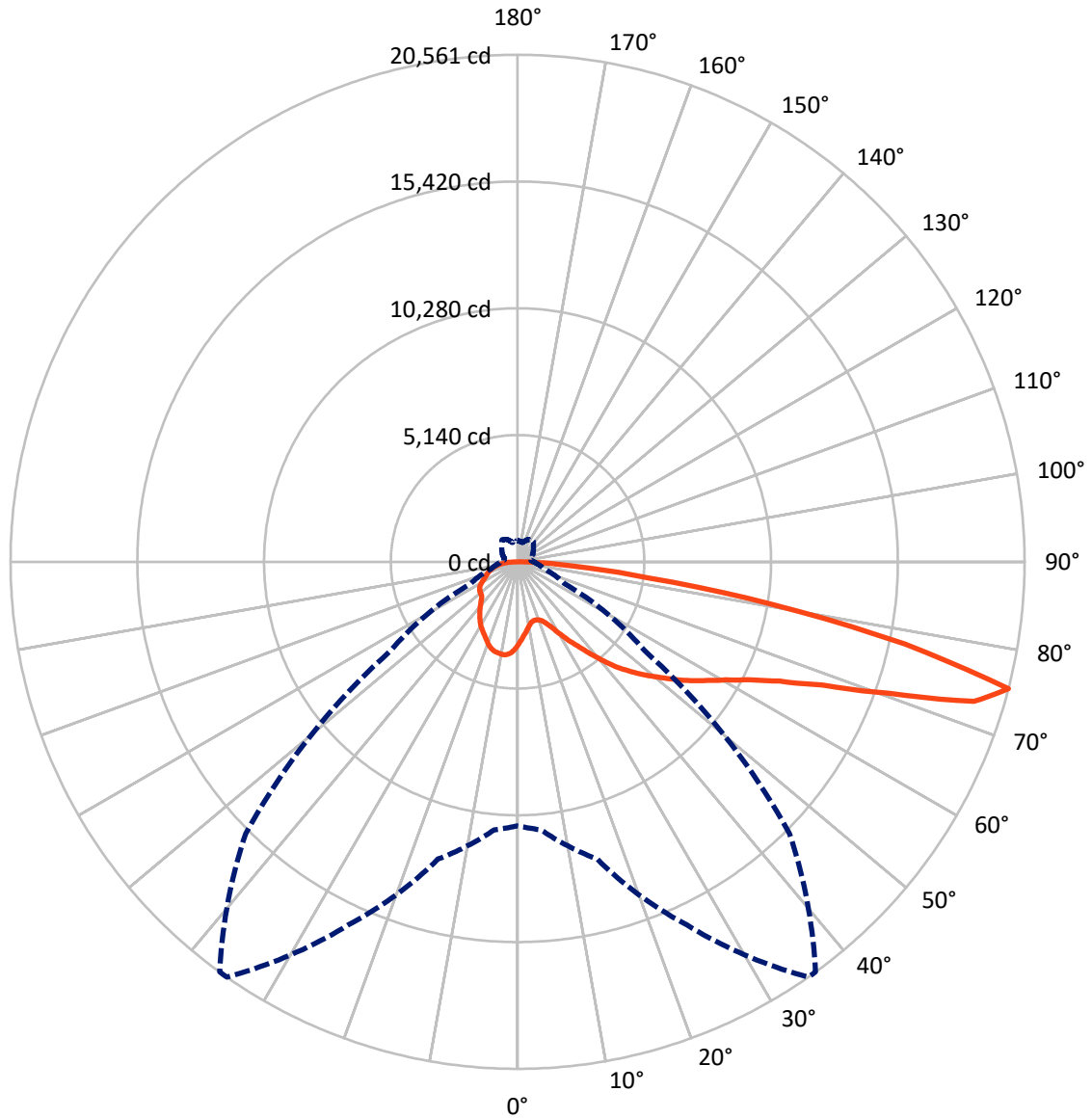
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P852687  
CATALOG NUMBER: GLAN-SB5C-930-U-T4FT

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P852687  
 CATALOG NUMBER: GLAN-SB5C-930-U-T4FT

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6003.2	0.0	6003.2
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	19222.8	0.0	19222.8
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	25226.0	0.0	25226.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	318.3	1.3
10°-20°	918.0	3.6
20°-30°	1541.6	6.1
30°-40°	2395.9	9.5
40°-50°	3556.1	14.1
50°-60°	4909.4	19.5
60°-70°	5956.3	23.6
70°-80°	4922.4	19.5
80°-90°	708.0	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°	25226.0	100.0
0°-180°	25226.0	100.0

**Coefficient of Utilization**

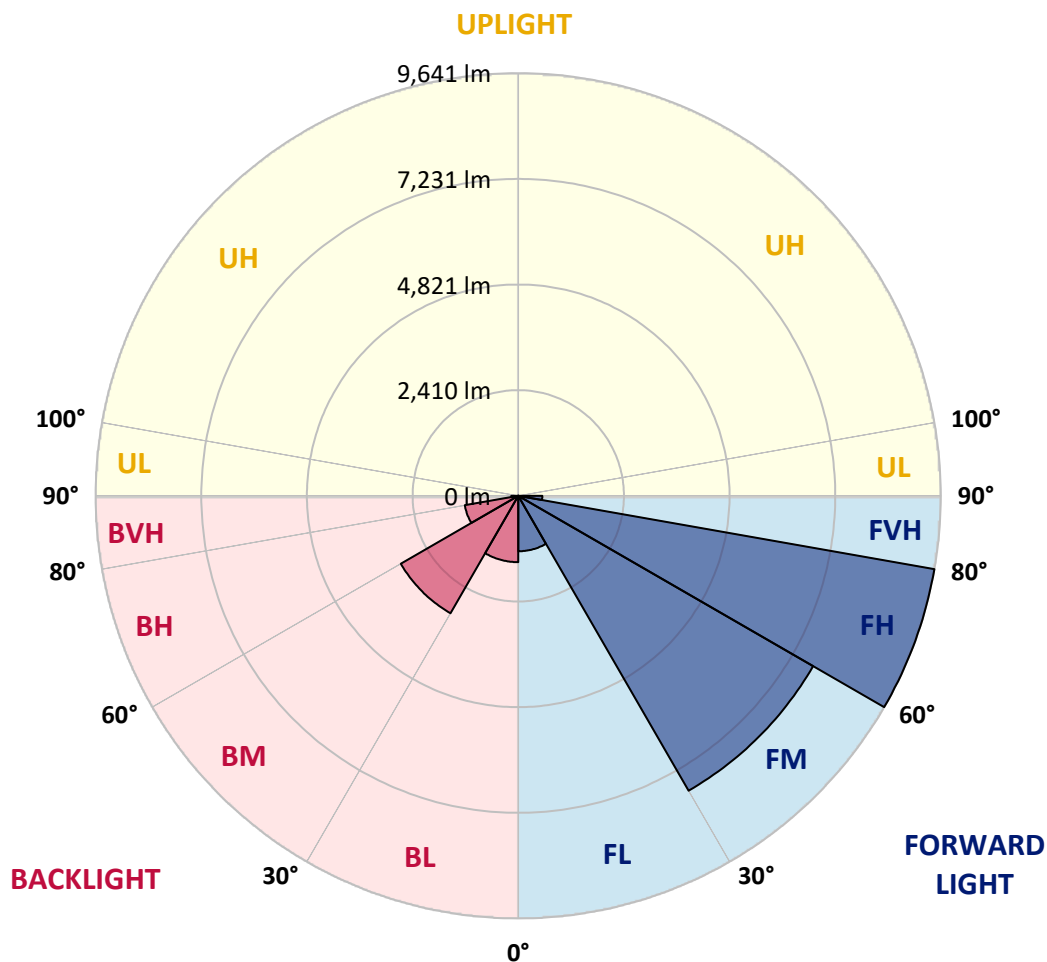


REPORT NUMBER: P852687  
 CATALOG NUMBER: GLAN-SB5C-930-U-T4FT

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1265.0	5.0			
FM (30°-60°)	7768.2	30.8			
FH (60°-80°)	9641.0	38.2			G4/12000
FVH (80°-90°)	548.6	2.2			G4/750
BL (0°-30°)	1512.9	6.0	B3/2500		
BM (30°-60°)	3093.2	12.3	B3/5000		
BH (60°-80°)	1237.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	159.4	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: P852687  
 CATALOG NUMBER: GLAN-SB5C-930-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3361.5	3361.5	3361.5	3361.5	3361.5	3361.5	3361.5	3361.5	3361.5	3361.5
2.5°	3099.7	3118.8	3127.0	3122.9	3143.3	3140.6	3169.3	3204.7	3253.8	3301.5
5°	2861.1	2881.5	2899.2	2915.6	2955.2	2967.4	3012.4	3080.6	3170.6	3262.0
7.5°	2638.8	2656.5	2683.8	2713.8	2780.6	2792.9	2867.9	2974.2	3099.7	3233.3
10°	2457.4	2475.1	2503.8	2537.9	2621.0	2636.0	2731.5	2873.3	3037.0	3206.1
12.5°	2379.7	2385.1	2401.5	2435.6	2507.9	2517.4	2622.4	2784.7	2975.6	3185.6
15°	2375.6	2386.5	2387.8	2405.6	2465.6	2469.7	2566.5	2727.4	2937.4	3181.5
17.5°	2416.5	2424.7	2412.4	2423.3	2473.8	2480.6	2556.9	2700.1	2925.1	3199.3
20°	2525.6	2532.4	2495.6	2480.6	2517.4	2522.9	2597.9	2717.9	2937.4	3236.1
22.5°	2757.4	2761.5	2671.5	2610.1	2612.9	2615.6	2681.0	2790.1	2985.2	3302.9
25°	3118.8	3116.1	2972.9	2854.2	2786.1	2771.1	2814.7	2907.4	3065.6	3391.5
27.5°	3541.5	3521.1	3377.9	3200.6	3052.0	3030.2	3020.6	3060.2	3180.2	3508.8
30°	4018.8	3999.7	3845.7	3613.8	3407.9	3372.4	3282.4	3262.0	3350.6	3668.4
32.5°	4542.5	4530.2	4346.1	4065.2	3789.7	3748.8	3597.5	3542.9	3612.5	3909.7
35°	4981.6	4970.7	4818.0	4528.9	4192.0	4141.6	3987.5	3926.1	3961.6	4219.3
37.5°	5378.5	5373.0	5242.1	5014.3	4666.6	4605.2	4432.0	4411.6	4404.8	4627.1
40°	5746.7	5733.0	5596.6	5476.6	5218.9	5163.0	5010.3	4992.5	4940.7	5128.9
42.5°	6154.4	6118.9	5921.2	5865.3	5795.8	5749.4	5658.0	5660.7	5546.2	5694.8
45°	6487.1	6466.7	6263.5	6230.8	6305.8	6286.7	6365.8	6386.2	6164.0	6288.0
47.5°	6844.4	6825.3	6653.5	6630.3	6833.5	6839.0	7118.5	7125.4	6766.7	6904.4
50°	7284.9	7257.6	7087.2	7115.8	7343.6	7364.0	7875.4	7829.0	7321.7	7530.4
52.5°	7575.4	7591.8	7554.9	7601.3	7912.2	7931.3	8620.0	8501.3	7871.3	8148.1
55°	7789.5	7822.2	7936.8	8043.1	8512.3	8531.3	9322.3	9140.9	8326.8	8720.9
57.5°	8065.0	8018.6	8232.7	8440.0	9082.3	9132.7	10005.5	9757.3	8730.4	9214.6
60°	8460.4	8427.7	8594.1	8900.9	9720.5	9801.0	10728.3	10312.3	9026.4	9605.9
62.5°	9262.3	9180.5	9206.4	9477.8	10525.1	10631.5	11543.8	10796.5	9173.6	9758.7
65°	10461.0	10320.5	10189.6	10377.8	11658.3	11763.3	12464.3	11176.9	9119.1	9462.8
67.5°	11970.6	11831.5	11670.6	11847.9	13327.5	13410.7	13600.2	11391.0	8689.5	8322.7
70°	13215.7	13163.9	13356.1	14085.7	15993.5	15996.3	15056.7	11213.8	7512.7	5900.8
72.5°	13050.7	13019.3	14032.5	16288.1	19353.7	19281.4	16435.4	9871.9	5060.7	2662.0
75°	10706.5	10909.6	12479.3	16248.6	20560.6	20551.0	15591.3	6275.8	2093.3	1103.2
77.5°	5741.2	6063.0	8101.8	11996.5	16050.8	16292.2	10961.5	2195.6	898.7	706.4
80°	1872.4	2153.3	3229.3	6108.0	10429.6	10384.6	4698.0	861.9	615.0	500.5
82.5°	795.0	827.8	1442.8	2884.2	5352.5	5269.4	1496.0	495.0	432.3	342.3
85°	310.9	347.7	636.9	1333.7	2318.3	2267.8	540.0	245.5	276.8	223.6
87.5°	102.3	124.1	227.7	456.8	721.4	695.5	132.3	84.5	120.0	102.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852687  
 CATALOG NUMBER: GLAN-SB5C-930-U-T4FT

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3361.5	0°	3361.5	3361.5	3361.5	3361.5	3361.5	3361.5	3361.5	3361.5	3361.5	3361.5
3371.1	2.5°	3390.2	3412.0	3437.9	3476.1	3508.8	3536.1	3564.7	3582.5	3589.3	3609.7
3376.5	5°	3414.7	3462.4	3526.5	3589.3	3650.6	3687.5	3720.2	3736.6	3751.6	3762.5
3391.5	7.5°	3455.6	3517.0	3617.9	3699.7	3751.6	3781.6	3803.4	3797.9	3803.4	3806.1
3407.9	10°	3491.1	3577.0	3697.0	3774.7	3814.3	3815.6	3810.2	3791.1	3781.6	3782.9
3432.4	12.5°	3533.4	3628.8	3758.4	3823.8	3834.7	3804.7	3781.6	3748.8	3736.6	3731.1
3469.3	15°	3590.6	3699.7	3825.2	3849.7	3822.5	3784.3	3744.7	3691.6	3664.3	3642.5
3532.0	17.5°	3660.2	3780.2	3877.0	3859.3	3800.6	3737.9	3673.8	3593.4	3537.5	3514.3
3617.9	20°	3757.0	3864.7	3916.6	3838.8	3750.2	3654.7	3545.6	3447.4	3395.6	3372.4
3727.0	22.5°	3874.3	3977.9	3954.7	3803.4	3677.9	3525.2	3388.8	3316.5	3290.6	3274.3
3867.5	25°	4014.8	4103.4	3982.0	3751.6	3559.3	3353.4	3248.3	3225.2	3212.9	3200.6
4039.3	27.5°	4197.5	4245.2	4002.5	3675.2	3373.8	3170.6	3132.4	3136.5	3132.4	3112.0
4277.9	30°	4438.9	4429.3	4021.6	3551.1	3161.1	3005.6	3008.3	3026.1	3028.8	3015.2
4610.7	32.5°	4756.6	4659.8	4031.1	3390.2	2957.9	2861.1	2863.8	2882.9	2896.5	2873.3
5045.7	35°	5141.2	4928.4	4016.1	3188.3	2801.1	2723.3	2702.9	2708.3	2712.4	2690.6
5573.5	37.5°	5589.8	5229.8	3949.3	2964.7	2671.5	2588.3	2544.7	2507.9	2486.0	2465.6
6170.8	40°	6082.1	5558.5	3826.6	2746.5	2526.9	2445.1	2379.7	2310.1	2236.5	2209.2
6803.5	42.5°	6597.6	5896.7	3677.9	2537.9	2360.6	2293.8	2224.2	2123.3	2012.8	1956.9
7460.8	45°	7132.2	6243.0	3532.0	2331.9	2190.1	2161.5	2081.0	1959.6	1839.6	1768.7
8119.5	47.5°	7655.8	6570.3	3317.9	2124.7	2030.6	2061.9	1999.2	1887.4	1753.7	1641.9
8772.7	50°	8156.3	6877.2	2967.4	1914.6	1901.0	2031.9	1971.9	1811.0	1658.3	1515.1
9413.7	52.5°	8652.7	7125.4	2518.8	1723.7	1831.5	2023.7	1936.5	1759.2	1572.4	1422.3
10016.4	55°	9074.1	7253.6	2086.5	1560.1	1730.5	1954.2	1894.2	1697.8	1451.0	1291.4
10429.6	57.5°	9314.1	7149.9	1726.5	1399.2	1591.4	1839.6	1821.9	1566.9	1306.4	1183.7
10510.1	60°	9210.5	6729.9	1431.9	1258.7	1459.2	1715.5	1696.5	1437.3	1196.0	1080.1
10079.2	62.5°	8639.1	5929.4	1198.7	1136.0	1339.2	1588.7	1571.0	1337.8	1111.4	999.6
8935.0	65°	7488.1	4823.4	1017.3	1033.7	1217.8	1436.0	1461.9	1254.6	1044.6	935.5
6912.6	67.5°	5711.2	3493.8	875.5	945.0	1099.1	1286.0	1361.0	1194.6	988.7	885.0
3999.7	70°	3255.2	1984.2	755.5	859.1	994.1	1146.9	1283.2	1146.9	928.7	842.8
1498.7	72.5°	1234.2	911.0	653.2	773.2	893.2	1029.6	1197.3	1071.9	859.1	795.0
774.6	75°	658.7	555.0	549.6	672.3	777.3	915.0	1089.6	998.2	807.3	840.0
535.9	77.5°	448.7	392.7	459.6	575.5	650.5	788.2	975.0	886.4	699.6	696.9
370.9	80°	310.9	278.2	373.7	463.7	503.2	662.8	851.0	760.9	570.0	531.8
229.1	82.5°	186.8	181.4	279.6	346.4	355.9	511.4	705.0	638.2	466.4	406.4
136.4	85°	102.3	107.7	178.6	203.2	207.3	357.3	552.3	493.7	358.7	301.4
49.1	87.5°	28.6	36.8	65.5	80.5	99.6	185.5	328.7	293.2	180.0	125.5
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°
3361.5
3608.4
3765.2
3810.2
3785.6
3728.4
3649.3
3515.6
3369.7
3277.0
3200.6
3116.1
3022.0
2884.2
2705.6
2479.2
2221.5
1963.7
1763.3
1629.6
1502.8
1406.0
1277.8
1167.3
1063.7
981.9
917.8
868.7
831.9
784.1
867.3
642.3
508.7
409.1
304.1
125.5
0.0

F REPORT)