

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: P849898

Luminaire Tested: **GLAN-SB7A-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20558 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

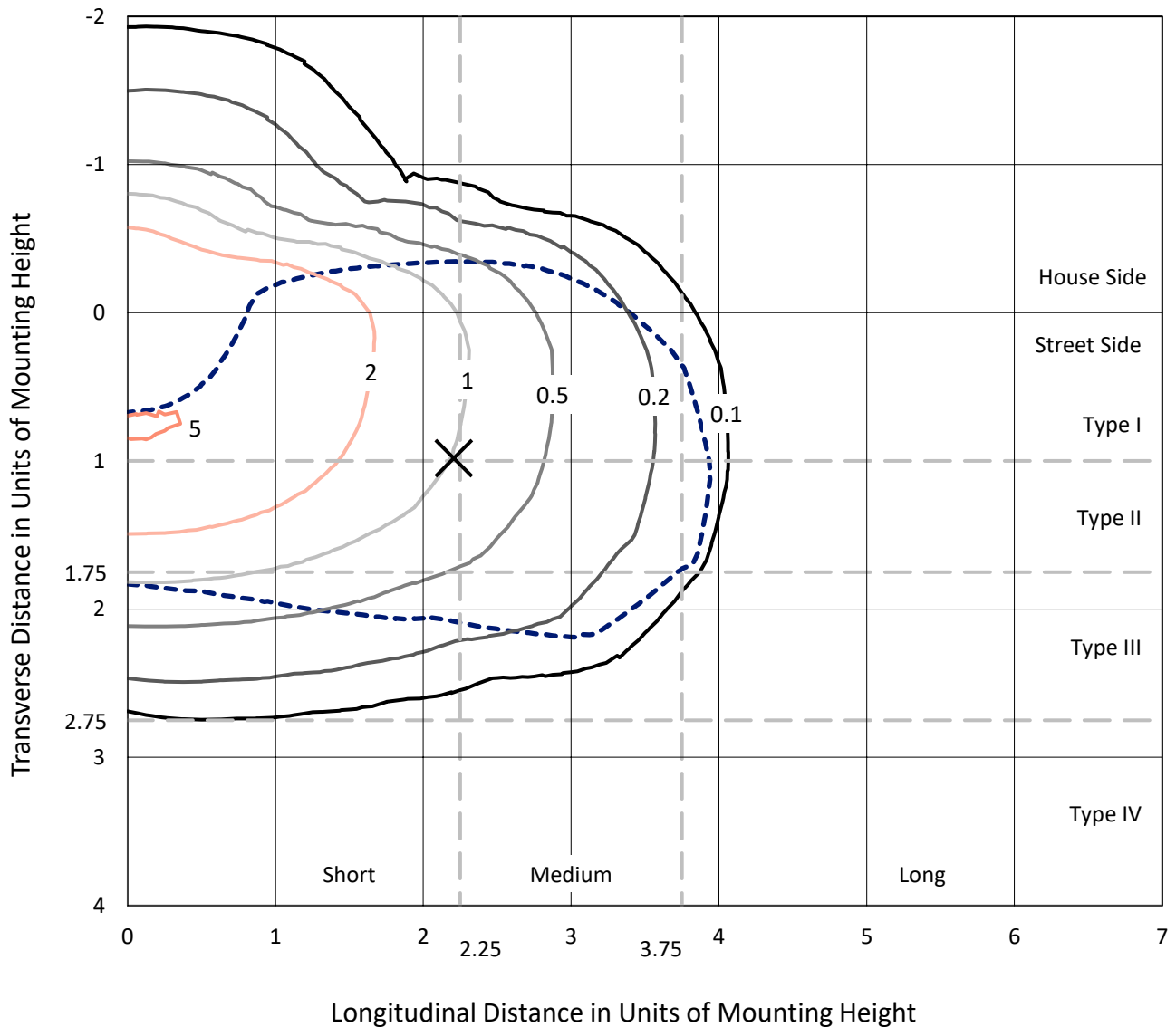
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849898
 CATALOG NUMBER: GLAN-SB7A-927-U-T3

Iso-Footcandle Lines of Horizontal Illumination

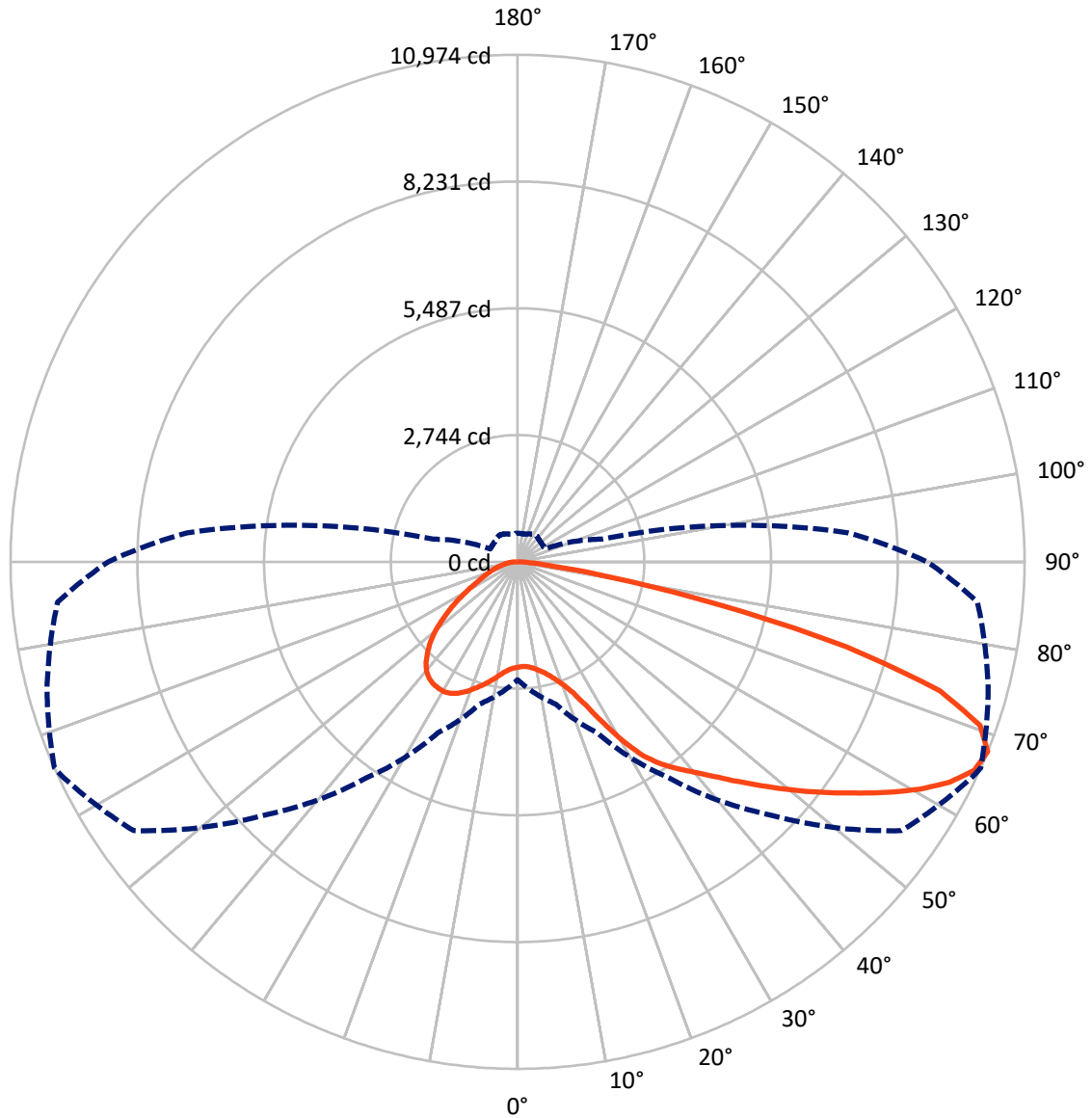
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - N/A

REPORT NUMBER: P849898
CATALOG NUMBER: GLAN-SB7A-927-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P849898
 CATALOG NUMBER: GLAN-SB7A-927-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5111.7	0.0	5111.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	15446.3	0.0	15446.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	20558.0	0.0	20558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.1	1.1
10°-20°	746.9	3.6
20°-30°	1439.6	7.0
30°-40°	2524.2	12.3
40°-50°	3752.6	18.3
50°-60°	4756.8	23.1
60°-70°	4654.4	22.6
70°-80°	2220.2	10.8
80°-90°	237.3	1.2
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°	20558.0	100.0
0°-180°	20558.0	100.0

Coefficient of Utilization



REPORT NUMBER: P849898

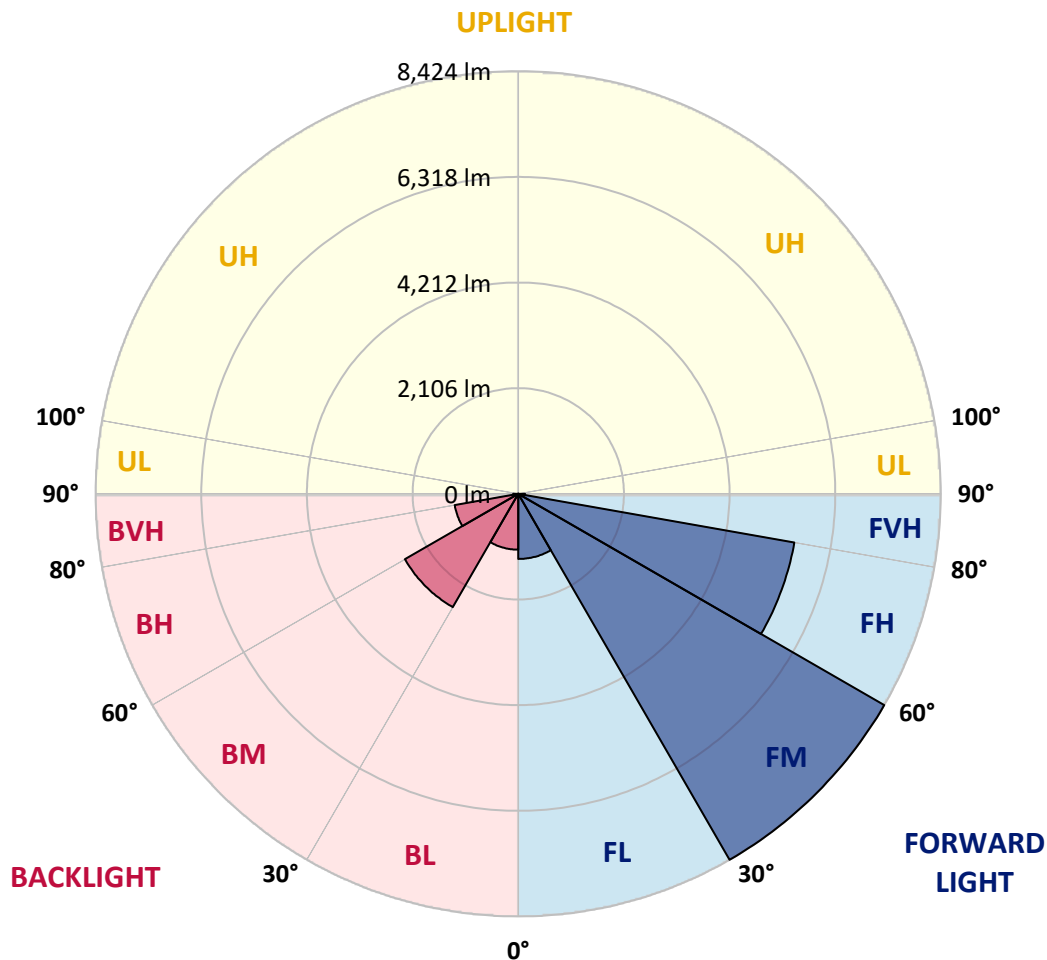
CATALOG NUMBER: GLAN-SB7A-927-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1299.1	6.3			
FM (30°-60°)	8424.5	41.0			
FH (60°-80°)	5588.2	27.2			G3/7500
FVH (80°-90°)	134.5	0.7			G2/225
BL (0°-30°)	1113.5	5.4	B3/2500		
BM (30°-60°)	2609.1	12.7	B3/5000		
BH (60°-80°)	1286.4	6.3	B3/2500		G3/2500
BVH (80°-90°)	102.7	0.5			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 III Short



REPORT NUMBER: P849898
 CATALOG NUMBER: GLAN-SB7A-927-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2280.2	2280.2	2280.2	2280.2	2280.2	2280.2	2280.2	2280.2	2280.2	2280.2
2.5°	2256.4	2269.4	2266.1	2260.7	2259.6	2261.8	2265.0	2268.3	2267.2	2272.6
5°	2249.9	2262.9	2261.8	2261.8	2266.1	2274.8	2280.2	2285.6	2280.2	2286.6
7.5°	2254.2	2264.0	2268.3	2272.6	2283.4	2299.6	2312.6	2324.4	2318.0	2325.5
10°	2309.3	2316.9	2321.2	2321.2	2328.8	2347.1	2360.1	2381.7	2376.3	2388.2
12.5°	2409.8	2417.3	2417.3	2413.0	2418.4	2430.3	2434.6	2458.4	2448.7	2468.1
15°	2532.9	2548.0	2536.1	2528.6	2530.7	2542.6	2541.5	2559.9	2550.2	2566.4
17.5°	2669.0	2688.4	2669.0	2667.9	2663.6	2676.6	2677.6	2693.8	2676.6	2688.4
20°	2829.9	2856.9	2840.7	2846.1	2836.4	2841.8	2847.2	2871.0	2844.0	2852.6
22.5°	3056.8	3089.2	3071.9	3092.4	3085.9	3081.6	3080.5	3122.7	3080.5	3083.8
25°	3387.3	3426.2	3395.9	3424.0	3424.0	3438.1	3454.3	3508.3	3438.1	3417.5
27.5°	3875.5	3914.4	3855.0	3872.3	3866.9	3901.4	3884.1	4018.1	3942.5	3909.0
30°	4463.1	4532.2	4419.9	4415.6	4410.2	4465.3	4490.1	4578.7	4502.0	4468.5
32.5°	5098.2	5170.6	5036.6	4997.8	4977.2	5010.7	4990.2	5061.5	5008.6	4956.7
35°	5770.1	5841.3	5713.9	5638.3	5556.2	5486.0	5412.5	5430.9	5381.2	5302.4
37.5°	6405.2	6535.9	6400.8	6319.8	6168.6	6031.4	5826.2	5740.9	5694.4	5622.1
40°	7052.2	7126.7	7024.1	6955.0	6790.8	6575.8	6247.5	6067.1	6004.4	5934.2
42.5°	7528.5	7599.8	7544.7	7497.2	7368.6	7119.1	6694.6	6468.9	6378.2	6299.3
45°	7906.5	7959.5	7924.9	7942.2	7887.1	7645.2	7158.0	6899.9	6805.9	6709.8
47.5°	8058.8	8115.0	8170.1	8272.7	8366.7	8188.5	7656.0	7366.5	7267.1	7168.8
50°	8041.6	8098.8	8258.7	8476.9	8768.5	8709.1	8180.9	7863.3	7771.5	7659.2
52.5°	7903.3	7968.1	8173.3	8536.3	9000.7	9099.0	8715.6	8376.4	8290.0	8156.1
55°	7540.4	7579.3	7887.1	8401.2	9055.8	9371.2	9239.4	8923.0	8836.5	8649.7
57.5°	6867.5	6923.6	7371.9	8037.2	8917.6	9555.9	9699.6	9497.6	9414.4	9145.5
60°	5989.3	6079.0	6592.0	7425.9	8565.4	9554.8	10117.6	10062.5	9993.4	9633.7
62.5°	4995.6	5099.3	5592.9	6561.8	7949.8	9283.7	10379.0	10535.6	10499.9	10084.1
65°	3836.6	3907.9	4399.4	5443.9	6991.7	8701.5	10409.2	10858.5	10865.0	10426.5
67.5°	2554.5	2759.7	3186.4	4085.1	5708.5	7749.9	10143.5	10911.5	10974.1	10544.2
70°	1246.5	1516.5	1934.5	2655.0	4085.1	6290.7	9449.0	10477.3	10616.6	10200.7
72.5°	517.4	604.9	832.8	1310.2	2345.0	4244.9	8053.4	9299.9	9558.1	9038.5
75°	348.9	378.0	476.3	671.8	1068.2	2093.3	5807.9	6934.4	7350.3	6826.4
77.5°	269.0	287.3	346.7	469.9	635.1	791.7	3108.6	4179.0	4394.0	4067.8
80°	211.7	225.7	259.2	342.4	450.4	423.4	1059.6	1893.5	2017.7	1692.6
82.5°	183.6	189.0	185.8	232.2	299.2	247.3	347.8	698.8	771.2	559.5
85°	132.9	148.0	154.5	143.7	158.8	125.3	142.6	247.3	272.2	243.0
87.5°	54.0	79.9	98.3	92.9	58.3	35.6	44.3	72.4	83.2	90.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849898
 CATALOG NUMBER: GLAN-SB7A-927-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2280.2	0°	2280.2	2280.2	2280.2	2280.2	2280.2	2280.2	2280.2	2280.2	2280.2	2280.2
2281.2	2.5°	2282.3	2289.9	2295.3	2301.8	2306.1	2312.6	2325.5	2333.1	2334.2	2339.6
2298.5	5°	2302.8	2313.6	2325.5	2342.8	2362.2	2378.4	2403.3	2420.6	2427.1	2432.5
2340.6	7.5°	2347.1	2362.2	2383.8	2414.1	2442.2	2463.8	2494.0	2514.5	2535.1	2542.6
2407.6	10°	2413.0	2434.6	2465.9	2507.0	2537.2	2565.3	2596.6	2613.9	2634.4	2643.1
2487.5	12.5°	2495.1	2517.8	2558.8	2616.1	2644.2	2663.6	2674.4	2670.1	2674.4	2682.0
2583.7	15°	2589.1	2613.9	2660.4	2721.9	2741.4	2724.1	2700.3	2678.7	2675.5	2677.6
2700.3	17.5°	2700.3	2718.7	2772.7	2824.5	2810.5	2739.2	2687.4	2652.8	2635.5	2630.1
2849.4	20°	2855.9	2855.9	2900.1	2932.6	2838.6	2717.6	2636.6	2580.4	2544.8	2529.7
3052.4	22.5°	3044.9	3027.6	3055.7	3033.0	2833.2	2657.1	2544.8	2447.6	2393.6	2372.0
3336.5	25°	3284.7	3264.2	3256.6	3116.2	2794.3	2561.0	2378.4	2260.7	2213.2	2201.3
3745.9	27.5°	3646.5	3594.7	3496.4	3161.5	2723.0	2409.8	2184.0	2074.9	2047.9	2049.0
4271.9	30°	4128.3	4024.6	3783.7	3169.1	2606.4	2195.9	1985.3	1907.5	1894.5	1899.9
4713.7	32.5°	4574.3	4476.1	4077.5	3134.5	2427.1	1986.4	1807.1	1755.2	1735.8	1742.2
5050.7	35°	4924.3	4897.3	4349.7	3085.9	2206.7	1789.8	1647.2	1602.9	1565.1	1556.5
5368.2	37.5°	5254.8	5244.0	4553.8	3017.9	1988.5	1650.4	1518.7	1460.3	1405.2	1375.0
5719.3	40°	5617.8	5607.0	4687.8	2913.1	1795.2	1529.5	1403.1	1326.4	1258.4	1203.3
6116.8	42.5°	6026.0	5962.3	4751.5	2763.0	1631.0	1426.9	1309.1	1205.4	1115.8	1065.0
6566.1	45°	6472.1	6328.5	4750.4	2571.8	1492.7	1332.9	1208.7	1061.8	978.6	931.1
7027.3	47.5°	6945.2	6678.4	4692.1	2360.1	1358.8	1229.2	1053.1	940.8	885.7	856.5
7528.5	50°	7433.5	7005.7	4592.7	2117.1	1221.6	1111.5	955.9	879.2	837.1	810.1
8025.4	52.5°	7892.5	7302.8	4472.8	1841.6	1082.3	997.0	912.7	853.3	809.0	778.8
8507.1	55°	8319.2	7558.7	4303.2	1559.7	968.9	920.3	892.2	842.5	791.7	756.1
8996.4	57.5°	8698.3	7725.1	4010.5	1295.1	887.9	867.3	870.6	824.1	765.8	735.6
9478.1	60°	9013.7	7847.1	3577.4	1049.9	822.0	815.5	837.1	789.6	721.5	687.0
9885.3	62.5°	9202.7	7845.0	3046.0	859.8	765.8	768.0	792.8	746.4	677.2	644.8
10098.1	65°	9186.5	7652.7	2462.7	735.6	711.8	714.0	746.4	698.8	640.5	621.1
9991.2	67.5°	8861.4	7183.9	1889.1	654.6	652.4	662.1	699.9	666.4	617.8	615.7
9353.9	70°	7981.1	6210.7	1361.0	589.8	590.8	604.9	654.6	645.9	606.0	610.3
7864.4	72.5°	6399.8	4735.3	913.8	521.7	522.8	545.5	611.4	629.7	594.1	651.3
5580.0	75°	4262.2	2953.1	587.6	449.3	450.4	479.6	573.5	598.4	561.7	649.2
2903.4	77.5°	2047.9	1327.5	425.6	378.0	378.0	405.0	495.8	535.7	478.5	504.4
933.2	80°	707.5	499.0	334.8	304.6	298.1	316.5	418.0	464.5	412.6	380.2
304.6	82.5°	278.7	259.2	269.0	236.5	214.9	226.8	325.1	383.4	303.5	274.4
171.7	85°	159.9	168.5	190.1	156.6	124.2	139.3	238.7	275.4	229.0	202.0
56.2	87.5°	43.2	59.4	87.5	81.0	56.2	59.4	113.4	152.3	131.8	101.5
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°
2280.2
2338.5
2431.4
2543.7
2647.4
2684.1
2685.2
2637.7
2526.4
2368.7
2203.5
2052.2
1918.3
1750.9
1562.9
1376.1
1208.7
1068.2
928.9
850.1
800.4
765.8
742.0
716.1
671.8
635.1
620.0
618.9
609.2
660.0
654.6
462.3
356.4
273.3
206.3
104.8
0.0

F REPORT)