

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: P851257

Luminaire Tested: **GLAN-SB9A-927-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851257  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9A-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

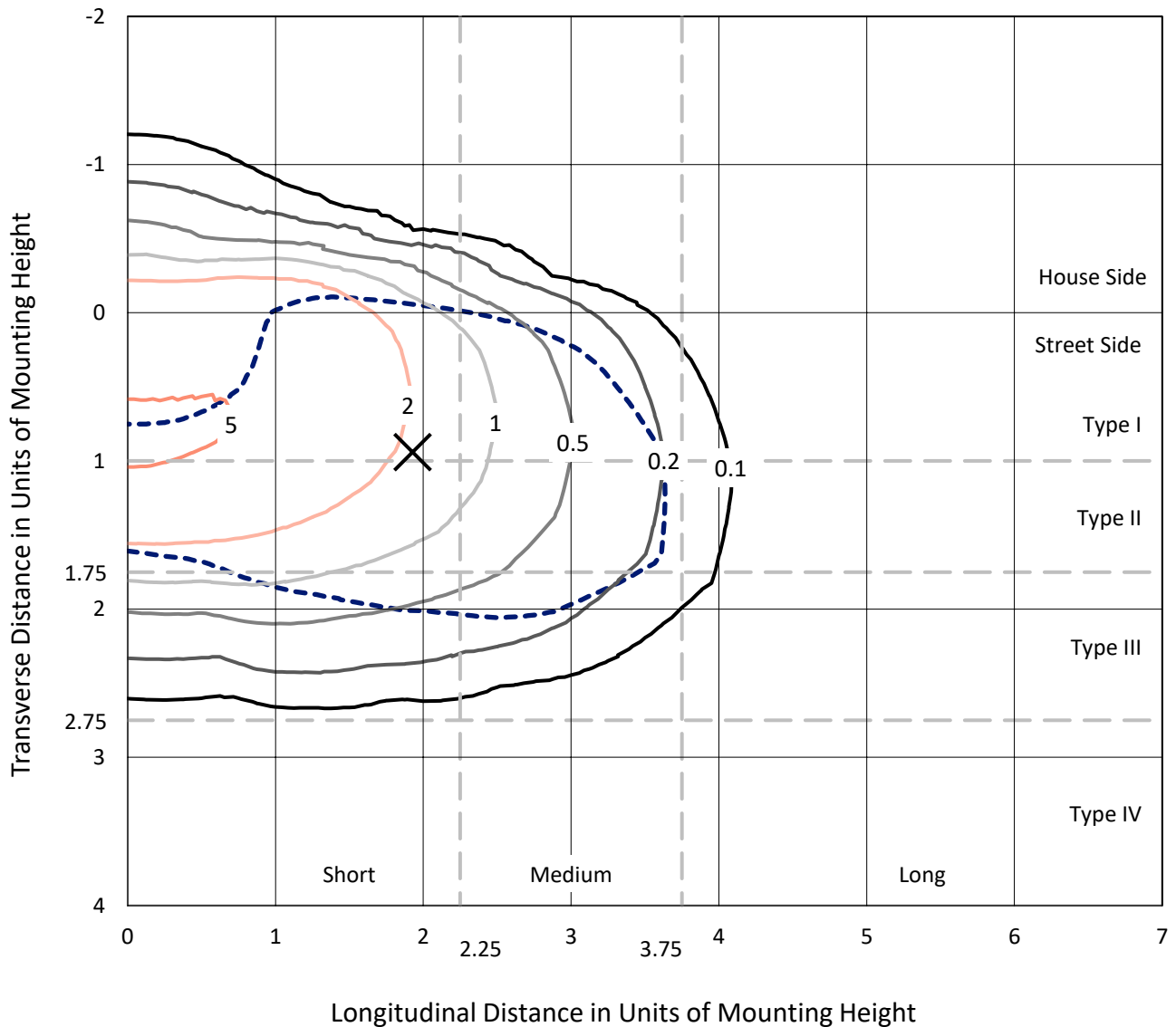
Lumens per Lamp: N/A  
Luminaire Lumens: 20636 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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: P851257  
 CATALOG NUMBER: GLAN-SB9A-927-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

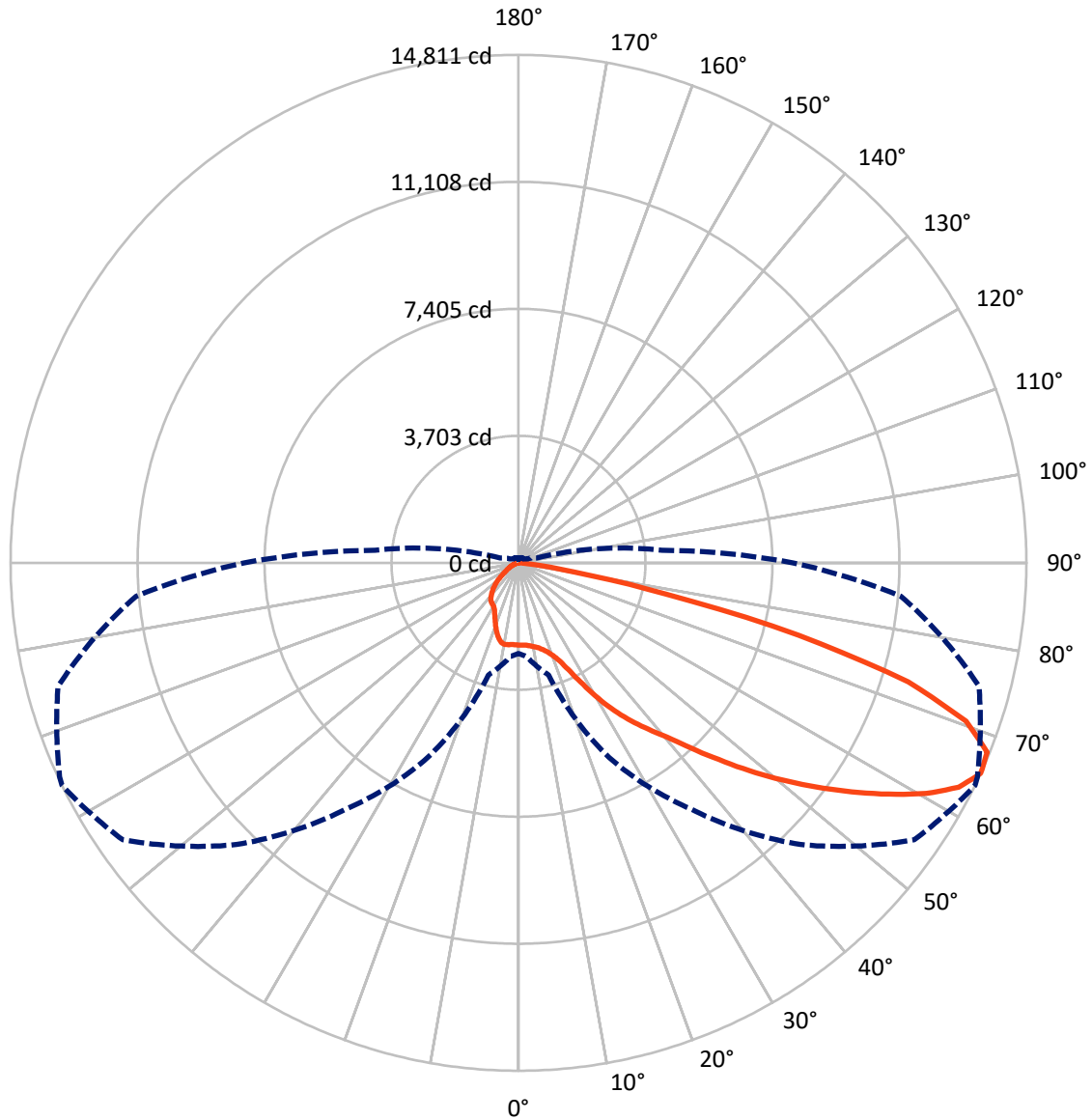
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - N/A

REPORT NUMBER: P851257  
CATALOG NUMBER: GLAN-SB9A-927-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P851257  
 CATALOG NUMBER: GLAN-SB9A-927-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2759.7	0.0	2759.7
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	17876.3	0.0	17876.3
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	20636.0	0.0	20636.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.4	1.1
10°-20°	600.6	2.9
20°-30°	1138.1	5.5
30°-40°	2303.0	11.2
40°-50°	3923.2	19.0
50°-60°	5335.2	25.9
60°-70°	5010.0	24.3
70°-80°	2007.2	9.7
80°-90°	97.2	0.5
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°	20636.0	100.0
0°-180°	20636.0	100.0

**Coefficient of Utilization**



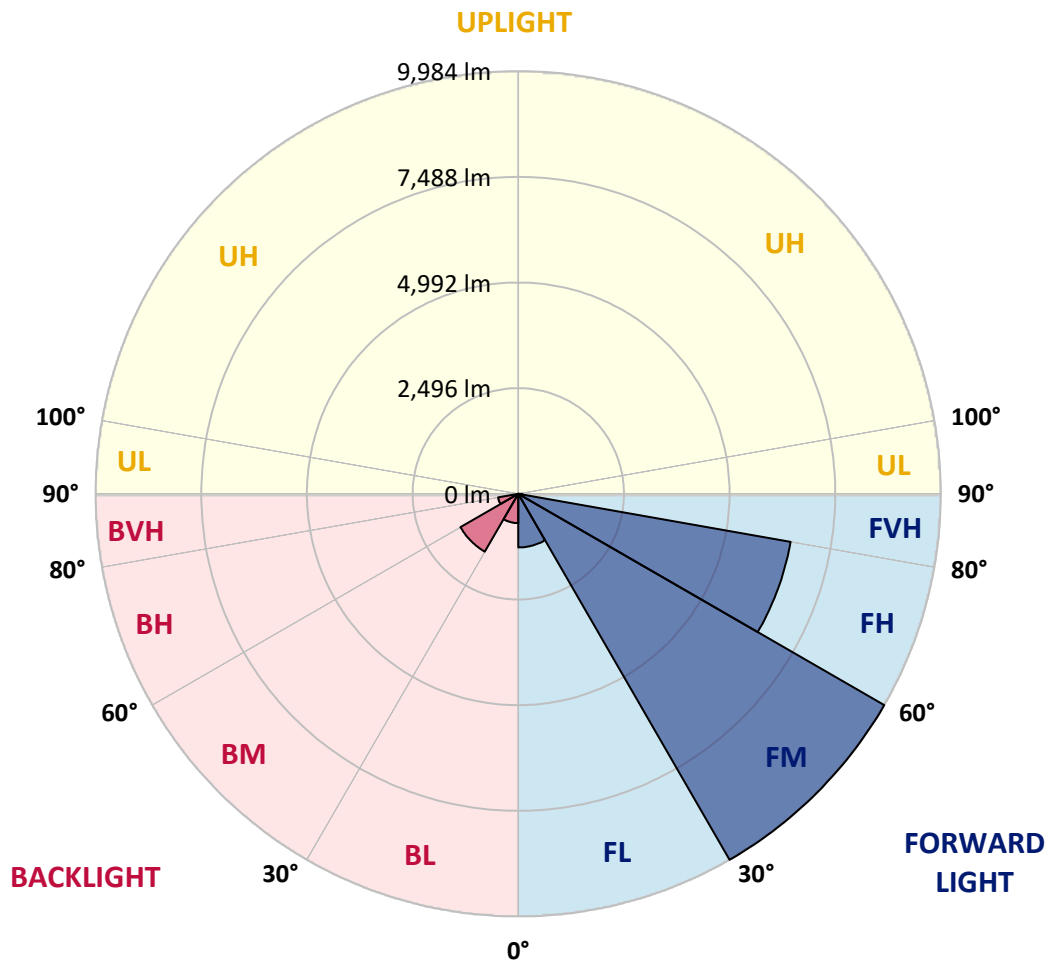
REPORT NUMBER: P851257  
 CATALOG NUMBER: GLAN-SB9A-927-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1267.3	6.1			
FM (30°-60°)	9983.7	48.4			
FH (60°-80°)	6532.9	31.7			G3/7500
FVH (80°-90°)	92.5	0.4			G1/100
BL (0°-30°)	692.9	3.4	B2/1000		
BM (30°-60°)	1577.7	7.6	B2/2500		
BH (60°-80°)	484.4	2.3	B1/500		G1/500
BVH (80°-90°)	4.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short



REPORT NUMBER: P851257  
 CATALOG NUMBER: GLAN-SB9A-927-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2400.2	2400.2	2400.2	2400.2	2400.2	2400.2	2400.2	2400.2	2400.2	2400.2
2.5°	2391.9	2408.5	2404.3	2400.2	2398.8	2401.6	2402.9	2401.6	2401.6	2401.6
5°	2346.2	2360.1	2360.1	2369.7	2383.6	2400.2	2412.6	2415.4	2418.2	2422.3
7.5°	2259.1	2270.1	2278.4	2310.3	2344.8	2389.1	2426.5	2445.8	2448.6	2463.8
10°	2199.6	2213.4	2227.3	2260.5	2310.3	2376.7	2440.3	2487.3	2494.3	2530.2
12.5°	2196.8	2210.7	2228.6	2264.6	2322.7	2393.3	2470.7	2538.5	2551.0	2603.5
15°	2225.9	2242.5	2259.1	2303.3	2365.6	2451.4	2534.4	2618.8	2631.2	2705.9
17.5°	2285.4	2307.5	2319.9	2364.2	2430.6	2526.1	2635.4	2732.2	2743.3	2830.4
20°	2402.9	2429.2	2433.4	2469.4	2534.4	2636.7	2766.8	2887.1	2901.0	3000.6
22.5°	2646.4	2683.8	2650.6	2668.6	2726.7	2829.0	2970.1	3122.3	3141.7	3255.1
25°	3075.3	3127.8	3042.1	3011.6	3036.5	3143.1	3320.1	3512.4	3534.6	3625.9
27.5°	3917.8	3850.0	3719.9	3592.7	3518.0	3578.8	3778.0	4016.0	4043.6	4132.2
30°	4843.2	4783.8	4608.1	4325.9	4148.8	4139.1	4323.1	4588.7	4620.5	4704.9
32.5°	5770.1	5713.4	5522.5	5175.3	4868.1	4716.0	4843.2	5137.9	5154.5	5208.5
35°	6681.8	6623.7	6432.8	6077.2	5699.6	5353.7	5328.8	5660.8	5666.4	5723.1
37.5°	7599.0	7550.5	7347.2	6998.6	6626.4	6149.2	5918.1	6156.1	6163.0	6218.3
40°	8253.3	8274.1	8134.3	7864.6	7545.0	7023.5	6579.4	6683.2	6641.7	6734.3
42.5°	8815.0	8856.5	8734.7	8599.2	8413.8	7954.5	7398.4	7380.4	7314.0	7363.8
45°	9300.5	9335.1	9225.8	9194.0	9189.9	8867.5	8293.4	8185.5	8092.8	8083.1
47.5°	9479.0	9545.4	9592.4	9698.9	9906.5	9770.9	9218.9	9051.5	8947.8	8871.7
50°	9546.8	9617.3	9777.8	10087.7	10578.8	10636.9	10140.2	9952.1	9824.8	9686.5
52.5°	9455.5	9581.4	9797.2	10318.7	11031.1	11331.3	11024.2	10859.6	10714.4	10488.9
55°	8917.3	9043.2	9484.5	10315.9	11256.6	11818.3	11859.8	11786.5	11623.2	11267.7
57.5°	7783.0	7969.7	8668.3	9964.6	11252.5	12237.5	12678.8	12731.3	12548.7	12039.6
60°	6211.4	6464.6	7316.7	9185.7	10905.3	12464.3	13396.7	13659.6	13465.9	12800.5
62.5°	4334.2	4627.4	5434.0	7965.6	10111.2	12301.1	13921.1	14406.6	14260.0	13481.1
65°	2643.7	2737.7	3387.9	6268.1	8761.0	11617.7	14082.9	14810.6	14762.2	13897.5
67.5°	1761.1	1839.9	2026.7	4298.2	6800.7	10252.3	13695.6	14740.0	14753.9	13829.7
70°	1061.1	1128.8	1250.6	2499.8	4407.5	8115.0	12496.2	13840.8	13921.1	12923.6
72.5°	437.2	482.8	593.5	1133.0	2282.6	5150.4	9950.7	11883.3	12070.1	10866.5
75°	247.6	271.1	348.6	568.6	990.5	2400.2	6027.4	8435.9	8711.2	7489.7
77.5°	164.6	175.7	225.5	368.0	557.5	819.0	2575.9	4395.0	4920.7	4090.7
80°	110.7	120.4	154.9	246.2	362.4	351.4	820.4	1628.2	2003.1	1405.5
82.5°	74.7	76.1	110.7	161.9	229.6	170.2	242.1	506.3	636.4	406.7
85°	42.9	41.5	81.6	94.1	102.4	70.6	73.3	152.2	199.2	171.5
87.5°	5.5	8.3	31.8	24.9	13.8	15.2	15.2	26.3	38.7	41.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851257  
 CATALOG NUMBER: GLAN-SB9A-927-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2400.2	0°	2400.2	2400.2	2400.2	2400.2	2400.2	2400.2	2400.2	2400.2	2400.2	2400.2
2402.9	2.5°	2402.9	2401.6	2397.4	2393.3	2383.6	2378.0	2380.8	2378.0	2376.7	2378.0
2420.9	5°	2420.9	2416.8	2405.7	2391.9	2372.5	2349.0	2333.8	2311.6	2290.9	2278.4
2469.4	7.5°	2469.4	2465.2	2450.0	2411.2	2349.0	2250.8	2160.9	2082.0	2022.5	1987.9
2546.8	10°	2546.8	2539.9	2516.4	2430.6	2267.4	2053.0	1874.5	1726.5	1629.6	1584.0
2638.1	12.5°	2638.1	2629.8	2588.3	2412.6	2112.4	1777.7	1531.4	1366.8	1276.9	1236.8
2743.3	15°	2746.0	2735.0	2653.3	2326.9	1886.9	1473.3	1247.8	1124.7	1066.6	1030.6
2877.5	17.5°	2880.2	2860.8	2701.8	2198.2	1642.1	1240.9	1073.5	980.8	929.6	895.1
3053.1	20°	3054.5	3022.7	2740.5	2044.6	1416.6	1094.3	955.9	878.5	839.7	809.3
3302.2	22.5°	3298.0	3252.3	2787.5	1878.6	1257.5	993.3	868.8	812.0	780.2	745.6
3649.4	25°	3599.6	3545.6	2845.6	1725.1	1148.2	906.1	805.1	758.1	720.7	680.6
4104.5	27.5°	4021.5	3924.7	2914.8	1599.2	1054.1	831.4	747.0	694.5	651.6	618.4
4620.5	30°	4491.9	4332.8	2975.7	1523.1	968.4	762.2	670.9	618.4	578.3	554.7
5084.0	32.5°	4937.3	4721.5	3015.8	1489.9	890.9	683.4	587.9	531.2	500.8	493.9
5537.7	35°	5357.9	5072.9	3011.6	1458.1	821.7	604.5	506.3	448.2	424.7	428.9
6026.0	37.5°	5842.1	5447.8	2982.6	1408.3	765.0	532.6	435.8	384.6	363.8	365.2
6619.5	40°	6405.1	5880.8	2964.6	1314.2	702.8	466.2	377.7	336.2	320.9	315.4
7244.8	42.5°	7005.5	6300.0	2967.4	1207.7	625.3	406.7	337.5	303.0	289.1	285.0
7940.7	45°	7608.6	6699.8	2971.5	1097.0	543.7	361.1	308.5	279.4	271.1	265.6
8646.2	47.5°	8175.8	7040.1	2894.1	978.1	463.4	326.5	285.0	265.6	258.7	251.8
9354.5	50°	8704.3	7266.9	2707.3	839.7	399.8	298.8	267.0	253.2	246.2	239.3
9996.4	52.5°	9115.2	7302.9	2398.8	697.2	355.5	278.1	255.9	243.5	235.2	228.3
10515.1	55°	9297.8	7077.4	1960.3	564.4	320.9	260.1	244.9	232.4	222.7	215.8
10923.2	57.5°	9250.7	6602.9	1528.6	453.8	287.7	242.1	231.0	222.7	211.7	200.6
11253.9	60°	9019.7	5967.9	1152.4	377.7	257.3	222.7	215.8	208.9	193.7	177.1
11381.1	62.5°	8619.9	5169.7	821.7	312.6	224.1	200.6	197.8	192.3	170.2	139.7
11193.0	65°	8008.4	4200.0	553.4	260.1	192.3	175.7	177.1	167.4	138.3	103.8
10504.1	67.5°	7114.8	3071.1	354.1	213.0	160.5	146.6	148.0	142.5	117.6	88.5
9198.2	70°	5976.2	2033.6	231.0	161.9	128.7	113.4	121.7	123.1	99.6	71.9
7059.4	72.5°	4381.2	1200.8	161.9	120.4	94.1	78.9	99.6	102.4	80.2	54.0
4247.0	75°	2497.0	570.0	121.7	87.2	58.1	55.3	77.5	77.5	55.3	36.0
1838.5	77.5°	1048.6	237.9	85.8	56.7	33.2	31.8	52.6	48.4	27.7	16.6
448.2	80°	303.0	106.5	45.7	27.7	13.8	12.5	20.8	15.2	6.9	2.8
170.2	82.5°	119.0	47.0	18.0	11.1	5.5	5.5	2.8	0.0	0.0	0.0
96.8	85°	70.6	19.4	8.3	4.2	1.4	0.0	0.0	0.0	0.0	0.0
20.8	87.5°	18.0	4.2	2.8	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/>
2400.2
2383.6
2281.2
1989.3
1579.8
1232.6
1032.0
892.3
803.7
740.1
676.5
611.5
550.6
498.0
428.9
370.7
314.0
283.6
265.6
251.8
239.3
226.9
214.4
199.2
174.3
137.0
101.0
84.4
69.2
51.2
33.2
16.6
2.8
0.0
0.0
0.0
0.0

F REPORT)