

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: P846153

Luminaire Tested: **GLAN-SB1C-927-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846153  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4782 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

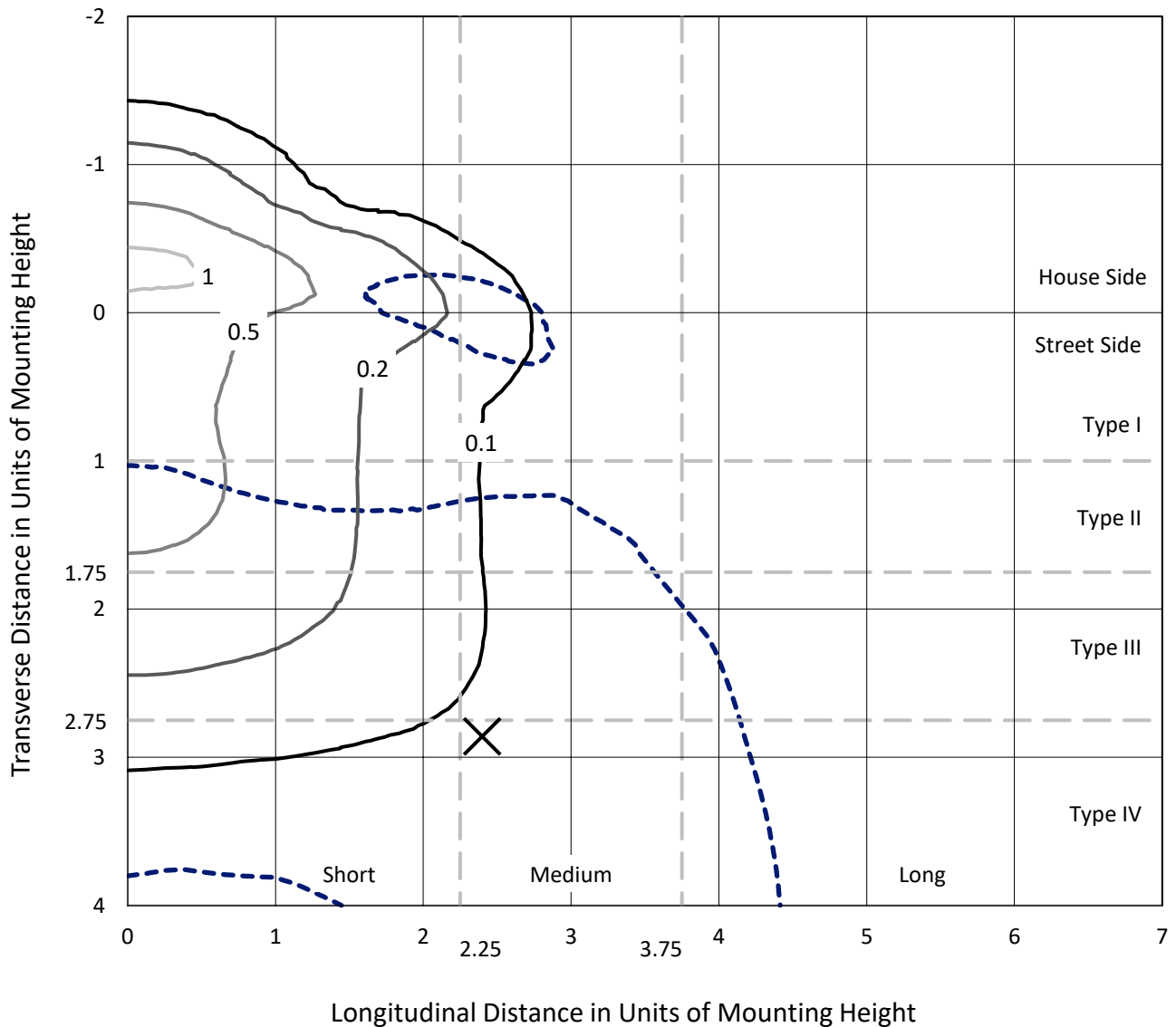
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P846153  
 CATALOG NUMBER: GLAN-SB1C-927-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

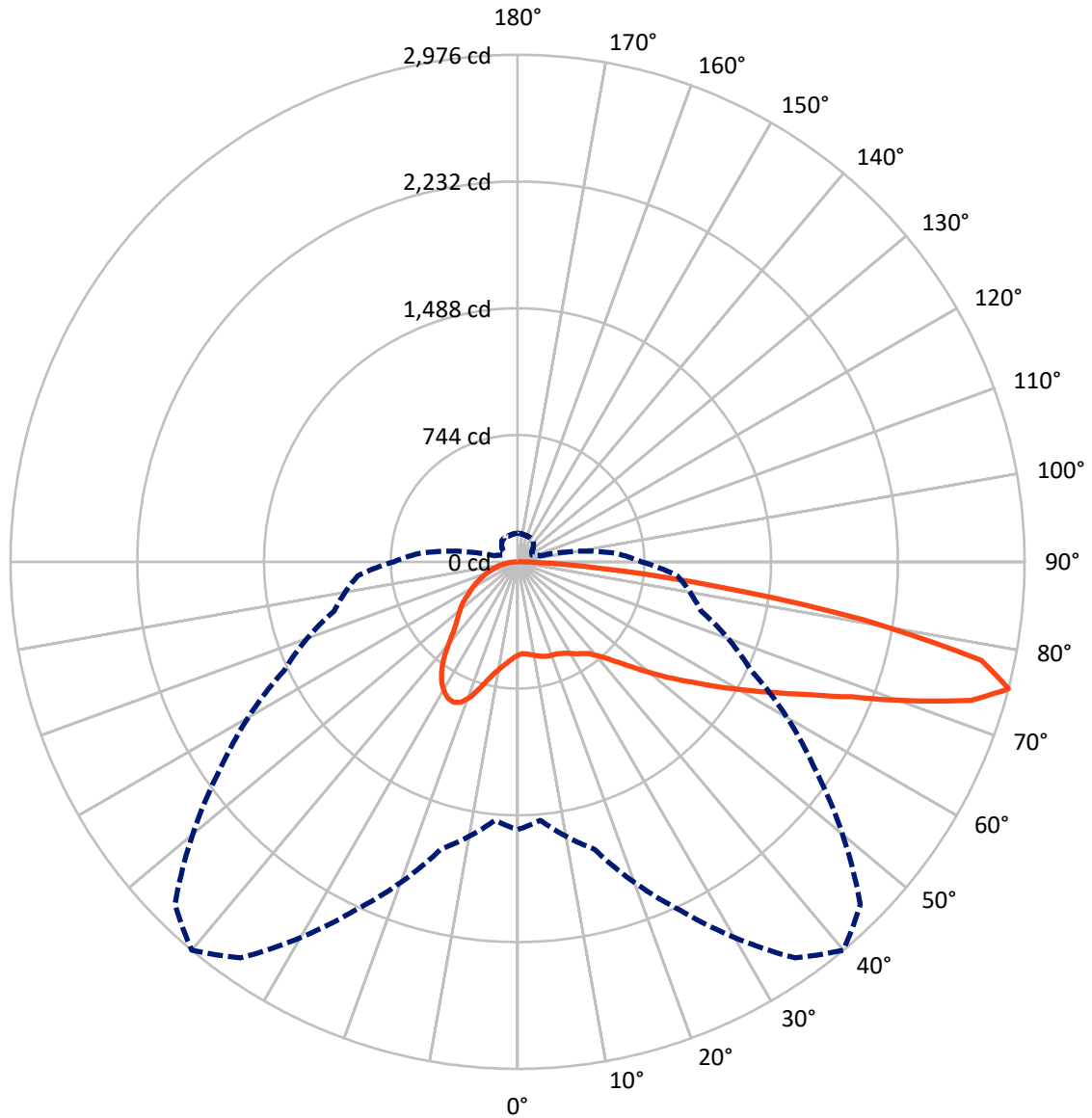
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P846153  
CATALOG NUMBER: GLAN-SB1C-927-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P846153  
 CATALOG NUMBER: GLAN-SB1C-927-U-SL4

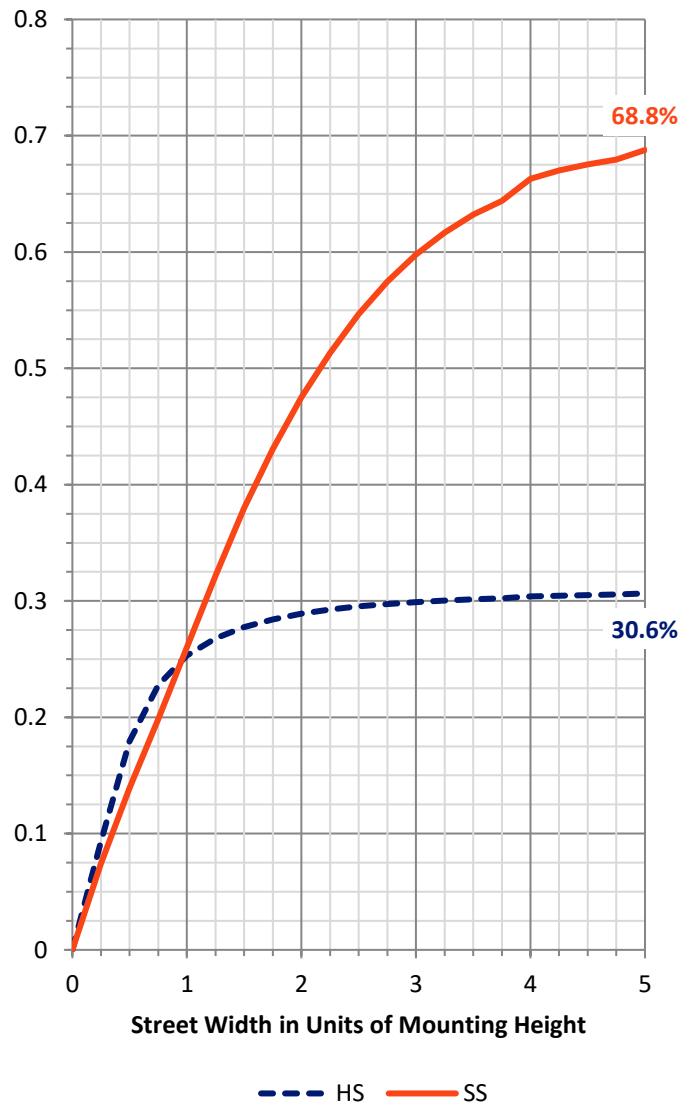
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1481.6	0.0	1481.6
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	3300.4	0.0	3300.4
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	4782.0	0.0	4782.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.6	1.1
10°-20°	183.3	3.8
20°-30°	334.6	7.0
30°-40°	474.6	9.9
40°-50°	640.8	13.4
50°-60°	862.1	18.0
60°-70°	1094.2	22.9
70°-80°	993.1	20.8
80°-90°	144.8	3.0
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°	4782.0	100.0
0°-180°	4782.0	100.0

**Coefficient of Utilization**

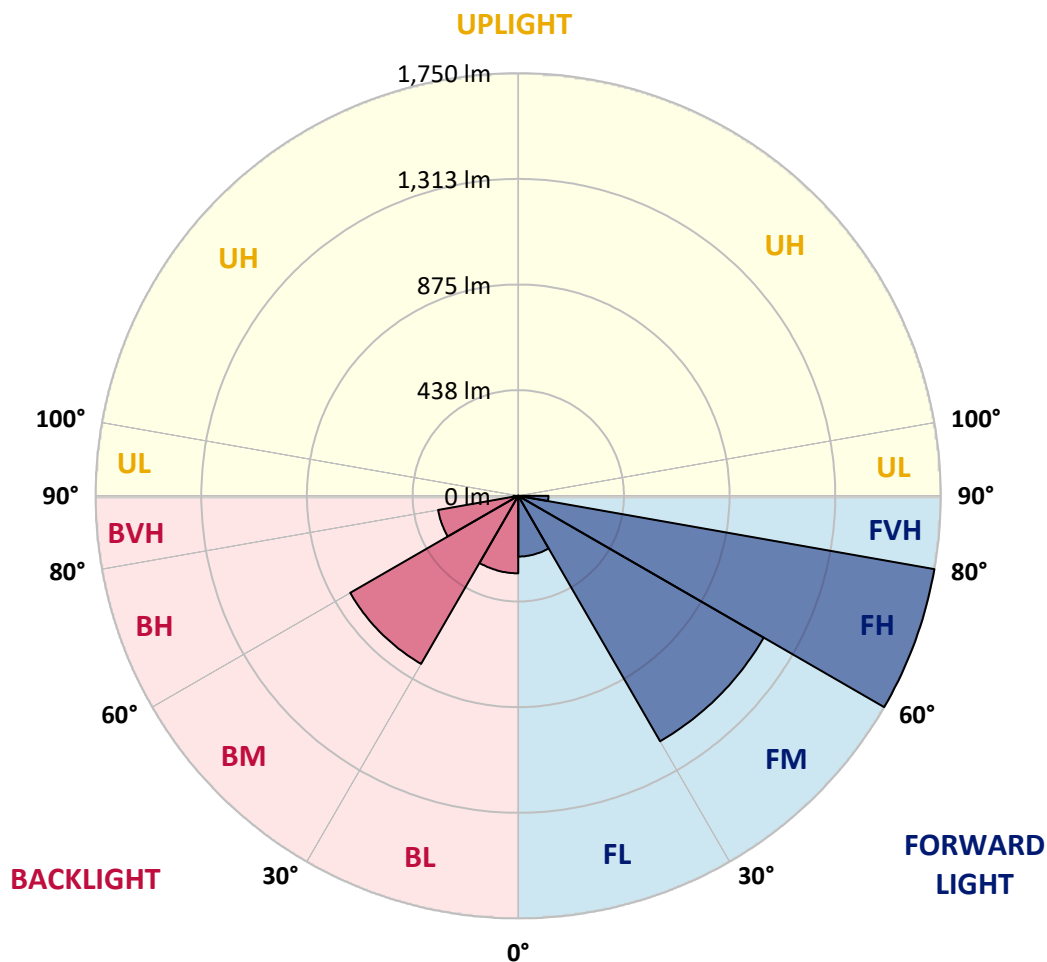


REPORT NUMBER: P846153  
 CATALOG NUMBER: GLAN-SB1C-927-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.5	5.3			
FM (30°-60°)	1173.9	24.5			
FH (60°-80°)	1750.1	36.6			G1/1800
FVH (80°-90°)	124.8	2.6			G2/225
BL (0°-30°)	320.9	6.7	B1/500		
BM (30°-60°)	803.6	16.8	B1/1000		
BH (60°-80°)	337.1	7.0	B1/500		G1/500
BVH (80°-90°)	19.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Medium



REPORT NUMBER: P846153  
 CATALOG NUMBER: GLAN-SB1C-927-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8
2.5°	538.5	541.5	540.7	539.7	539.7	540.0	539.7	541.5	543.3	545.1
5°	544.0	547.1	545.6	544.3	543.3	543.0	542.3	542.0	543.0	545.3
7.5°	554.9	558.0	555.7	553.4	551.4	550.4	549.4	547.8	547.1	548.3
10°	567.1	570.2	567.4	563.3	560.0	558.7	557.7	556.2	555.2	556.0
12.5°	579.3	582.3	578.5	573.0	568.6	567.9	566.6	566.1	565.9	565.6
15°	590.7	593.2	588.4	581.8	577.3	576.0	574.7	575.5	576.8	578.3
17.5°	599.6	602.1	595.0	586.4	582.1	581.6	580.8	583.4	586.9	590.7
20°	607.7	610.2	601.1	589.4	584.4	584.4	584.6	589.9	595.0	600.6
22.5°	619.1	621.1	610.0	594.0	586.6	587.2	589.2	594.5	600.9	608.5
25°	636.1	637.6	623.9	602.6	594.3	595.8	597.6	600.1	606.2	615.1
27.5°	663.5	664.8	646.8	617.8	605.2	607.7	610.2	608.5	611.3	618.9
30°	702.1	702.8	680.0	641.7	623.7	624.9	625.5	618.1	612.8	618.9
32.5°	747.7	747.5	720.3	670.6	644.7	643.5	639.1	624.7	612.3	617.6
35°	818.5	815.7	780.7	711.2	668.6	660.7	650.6	632.0	614.8	616.3
37.5°	935.6	927.0	878.6	777.6	704.1	684.0	669.1	644.0	620.4	615.8
40°	1067.8	1056.9	1003.6	868.7	757.3	725.1	701.0	661.0	629.5	618.1
42.5°	1224.5	1209.1	1151.7	976.0	824.8	778.1	741.9	682.5	643.0	625.5
45°	1417.0	1396.5	1315.3	1097.0	909.8	847.6	799.2	715.2	663.5	639.7
47.5°	1611.6	1616.6	1501.2	1235.4	1011.7	933.4	871.0	764.4	693.4	662.5
50°	1818.3	1821.8	1686.1	1388.9	1127.4	1030.2	951.6	819.5	735.0	694.9
52.5°	1979.6	1980.1	1854.0	1549.4	1247.9	1136.8	1038.6	882.4	783.2	738.1
55°	2080.5	2079.3	1971.7	1701.4	1386.3	1248.6	1135.0	953.9	842.1	788.8
57.5°	2153.8	2150.0	2052.9	1832.0	1534.0	1380.8	1244.1	1035.1	911.5	849.2
60°	2181.7	2179.4	2107.9	1944.8	1689.2	1526.9	1369.9	1125.9	990.4	920.4
62.5°	2192.4	2196.7	2161.9	2054.2	1855.3	1688.7	1508.1	1234.4	1079.2	1001.1
65°	2229.9	2237.8	2230.7	2197.2	2043.0	1878.1	1691.5	1363.5	1176.1	1087.6
67.5°	2304.2	2312.1	2315.1	2368.4	2272.3	2114.3	1920.2	1524.3	1289.5	1177.4
70°	2302.5	2300.2	2353.9	2504.6	2559.4	2441.2	2228.7	1722.2	1424.6	1251.9
72.5°	2095.8	2077.5	2204.6	2503.1	2798.3	2782.6	2605.3	1977.3	1541.3	1261.1
75°	1572.3	1523.6	1748.0	2255.8	2838.1	2976.4	2844.7	2135.6	1513.7	1114.2
77.5°	672.4	623.4	888.0	1669.9	2540.1	2782.3	2625.1	1863.2	1208.3	736.8
80°	176.0	175.8	268.3	757.1	1727.5	2054.7	1802.6	1203.2	690.4	263.3
82.5°	72.8	71.0	98.7	294.5	844.1	1153.0	941.0	536.7	249.3	71.3
85°	27.1	26.9	47.9	101.7	297.8	475.6	344.2	137.2	62.1	34.7
87.5°	7.6	7.4	10.4	35.3	72.5	110.1	58.8	22.6	17.5	13.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846153  
 CATALOG NUMBER: GLAN-SB1C-927-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
546.8	0°	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8	546.8
547.8	2.5°	548.6	549.9	552.2	553.9	556.2	558.7	562.3	564.6	566.9	568.4
549.1	5°	550.9	553.7	559.5	565.3	572.2	578.5	585.9	591.2	595.5	596.8
553.7	7.5°	556.0	560.5	570.4	580.3	591.2	601.6	612.3	621.4	628.8	631.5
561.8	10°	564.8	570.9	584.9	598.8	613.3	629.3	643.0	656.1	666.5	670.9
571.4	12.5°	576.0	583.6	601.9	621.1	641.2	663.2	681.0	697.2	710.2	716.0
584.9	15°	590.5	600.3	623.7	649.5	679.0	709.7	732.2	750.2	764.7	771.8
598.8	17.5°	606.2	619.4	648.8	687.8	729.9	770.3	796.7	809.8	824.8	831.7
611.8	20°	621.4	637.6	679.7	736.5	792.6	835.5	856.8	860.3	861.3	862.1
623.9	22.5°	637.1	658.9	718.5	797.9	858.0	887.7	890.8	875.5	854.2	844.3
635.9	25°	654.4	683.3	769.3	865.6	914.3	917.9	894.6	857.5	817.2	798.7
645.5	27.5°	671.1	711.4	830.1	930.3	954.9	923.7	873.5	821.0	772.3	752.8
652.3	30°	687.8	743.6	897.3	986.9	973.4	909.3	840.3	781.7	732.7	712.2
658.4	32.5°	704.8	781.2	974.7	1027.7	970.1	878.6	798.9	737.6	694.4	672.9
663.8	35°	724.1	827.3	1048.0	1050.0	948.1	833.4	744.4	684.8	647.3	630.0
670.1	37.5°	749.2	885.9	1112.7	1055.6	909.5	767.2	676.7	622.4	591.5	583.6
679.5	40°	780.4	956.4	1162.1	1046.7	852.5	686.8	602.6	559.3	541.8	543.5
692.2	42.5°	821.0	1035.3	1196.9	1023.9	773.1	603.9	537.7	518.4	526.8	533.9
711.2	45°	873.8	1117.2	1218.4	985.1	683.3	533.6	499.4	504.0	510.3	511.1
741.9	47.5°	941.2	1200.2	1232.6	926.5	591.7	484.2	475.1	476.1	474.8	469.5
787.8	50°	1025.4	1280.8	1245.3	848.9	513.9	453.2	441.1	437.5	420.0	402.8
848.9	52.5°	1121.3	1354.9	1250.7	752.5	453.2	427.4	407.6	385.3	352.5	347.2
925.8	55°	1227.8	1423.4	1237.0	634.1	402.3	394.1	364.2	337.3	333.8	329.2
1027.0	57.5°	1355.1	1497.2	1209.1	501.9	350.0	355.3	326.2	329.2	322.9	315.8
1157.1	60°	1494.4	1573.5	1160.1	381.5	296.0	306.9	316.3	316.0	314.2	308.4
1294.3	62.5°	1619.7	1623.7	1063.7	292.2	248.6	269.4	295.0	294.7	293.2	289.9
1437.6	65°	1694.3	1616.1	902.9	230.0	209.5	238.4	266.1	268.1	268.3	268.1
1545.4	67.5°	1681.1	1527.1	682.3	183.1	177.3	207.0	237.4	240.2	242.2	242.7
1559.1	70°	1531.9	1331.6	444.9	146.1	148.6	179.3	210.3	213.0	214.8	216.9
1352.9	72.5°	1194.1	979.0	254.6	118.2	123.5	155.5	183.4	186.7	187.7	191.5
941.5	75°	727.7	575.7	137.5	93.1	101.5	132.9	156.7	160.5	162.3	166.9
462.4	77.5°	346.0	249.3	78.4	72.5	81.7	108.6	132.4	136.7	131.9	134.4
127.6	80°	116.9	92.6	49.5	55.3	62.4	84.7	106.0	110.3	100.2	99.7
42.4	82.5°	40.8	37.5	31.5	36.8	40.3	60.6	80.1	85.7	74.6	74.3
19.0	85°	16.0	15.2	17.5	20.0	24.1	37.3	52.8	55.5	45.9	37.0
5.6	87.5°	3.3	3.6	4.3	4.6	7.4	12.9	19.0	23.3	18.5	15.7
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



<u>180°</u>
546.8
567.4
597.3
631.8
671.1
716.0
771.3
831.4
864.1
847.1
801.5
755.1
714.5
675.7
633.8
589.2
549.6
540.5
516.1
473.5
405.0
349.0
330.0
314.5
306.4
288.6
268.1
243.2
217.9
193.0
167.4
132.4
98.7
70.8
36.5
14.5
0.0

F REPORT)