

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: P845862

Luminaire Tested: **GLAN-SB1B-722-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845862  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-722-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3075 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

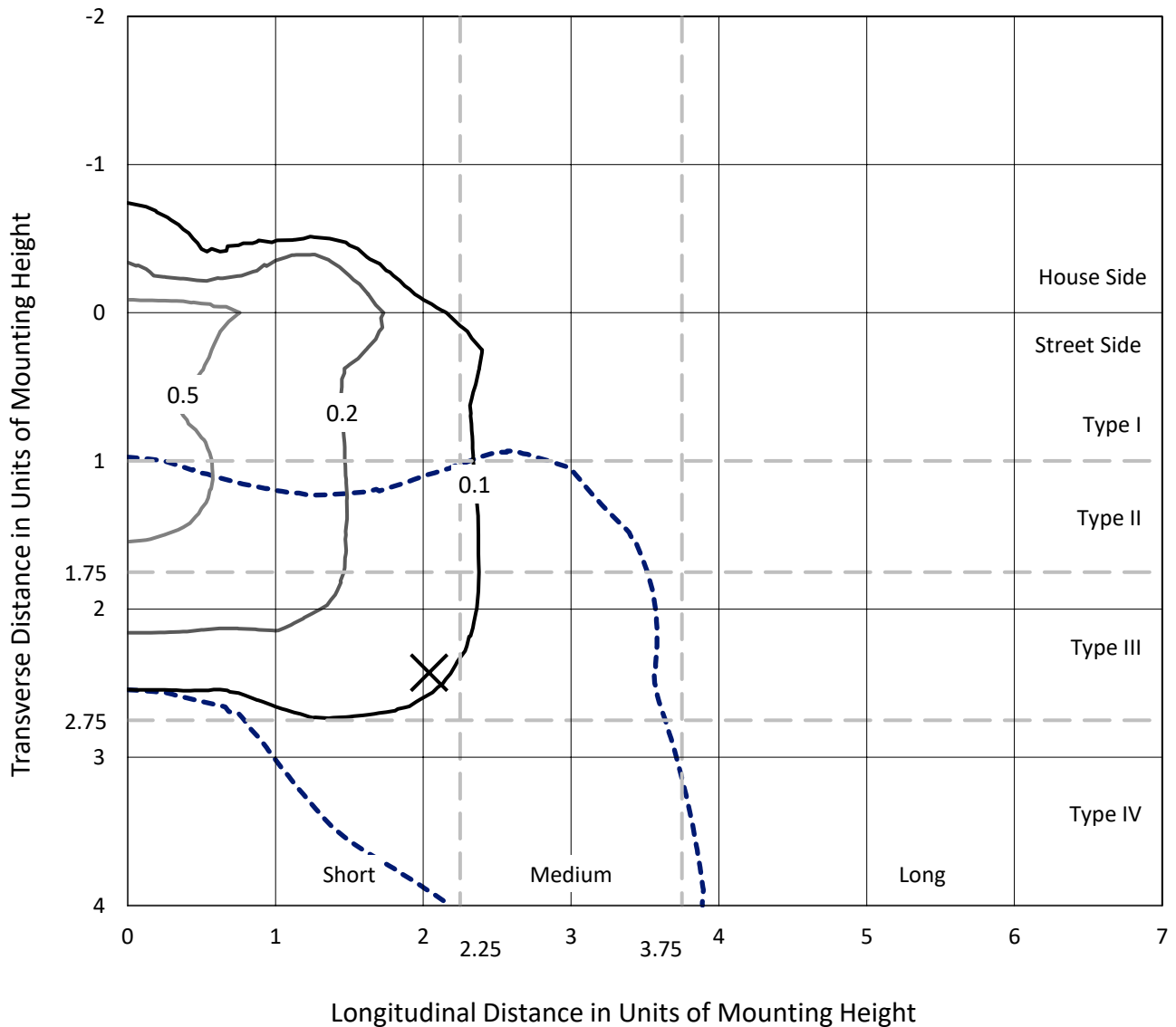
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P845862  
 CATALOG NUMBER: GLAN-SB1B-722-U-SL4-HSS

### Iso-Footcandle Lines of Horizontal Illumination

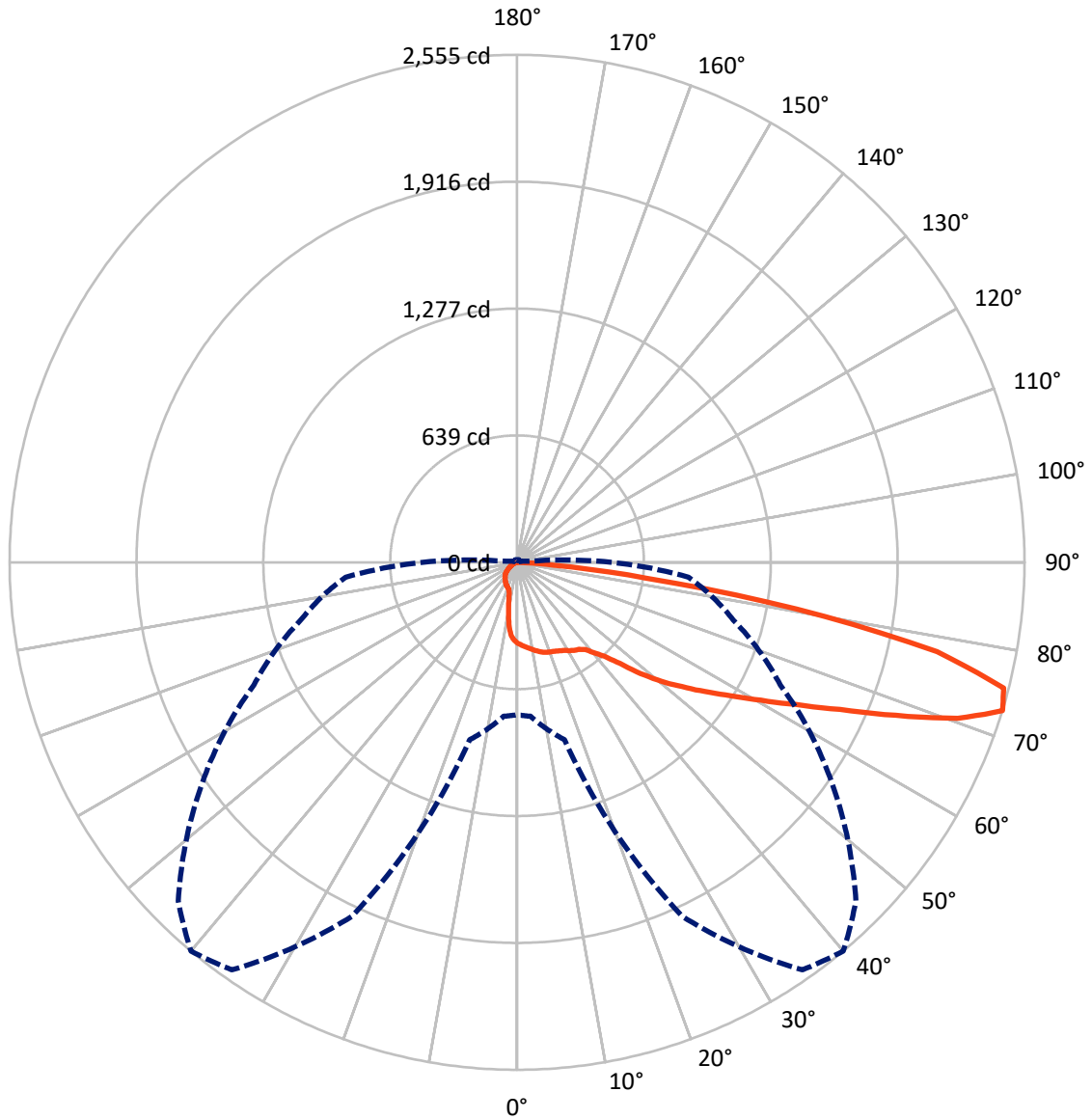
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P845862  
CATALOG NUMBER: GLAN-SB1B-722-U-SL4-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P845862  
 CATALOG NUMBER: GLAN-SB1B-722-U-SL4-HSS

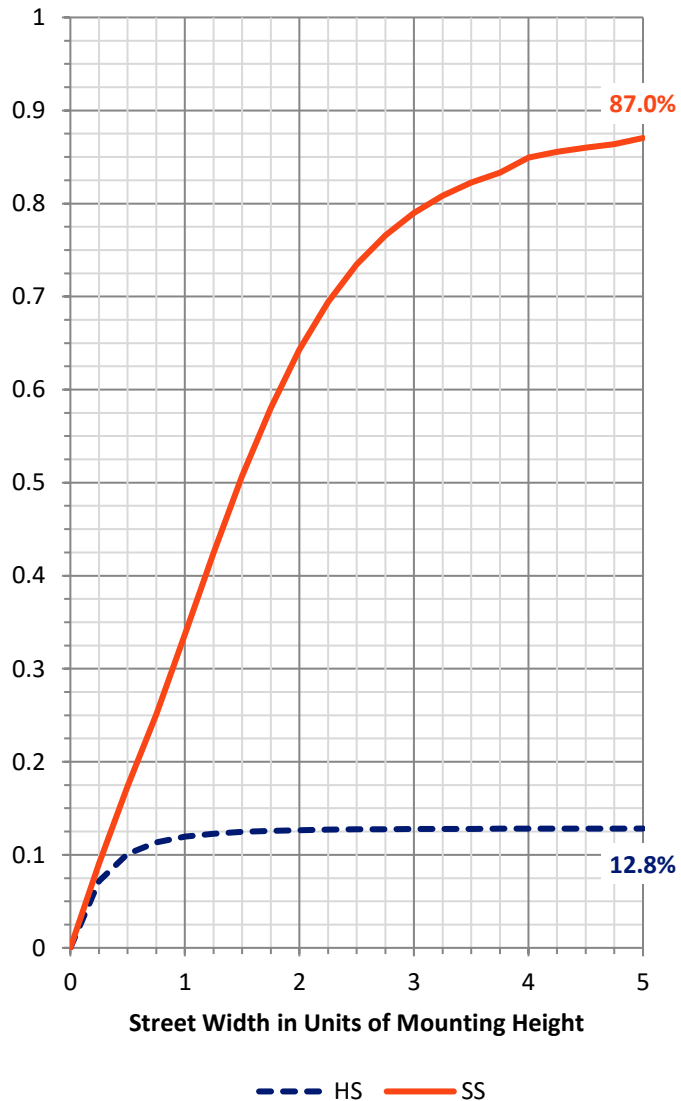
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	397.1	0.0	397.1
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	2677.9	0.0	2677.9
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	3075.0	0.0	3075.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.2	1.2
10°-20°	101.0	3.3
20°-30°	163.4	5.3
30°-40°	241.2	7.8
40°-50°	406.0	13.2
50°-60°	630.4	20.5
60°-70°	788.8	25.7
70°-80°	645.8	21.0
80°-90°	61.2	2.0
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°	3075.0	100.0
0°-180°	3075.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P845862

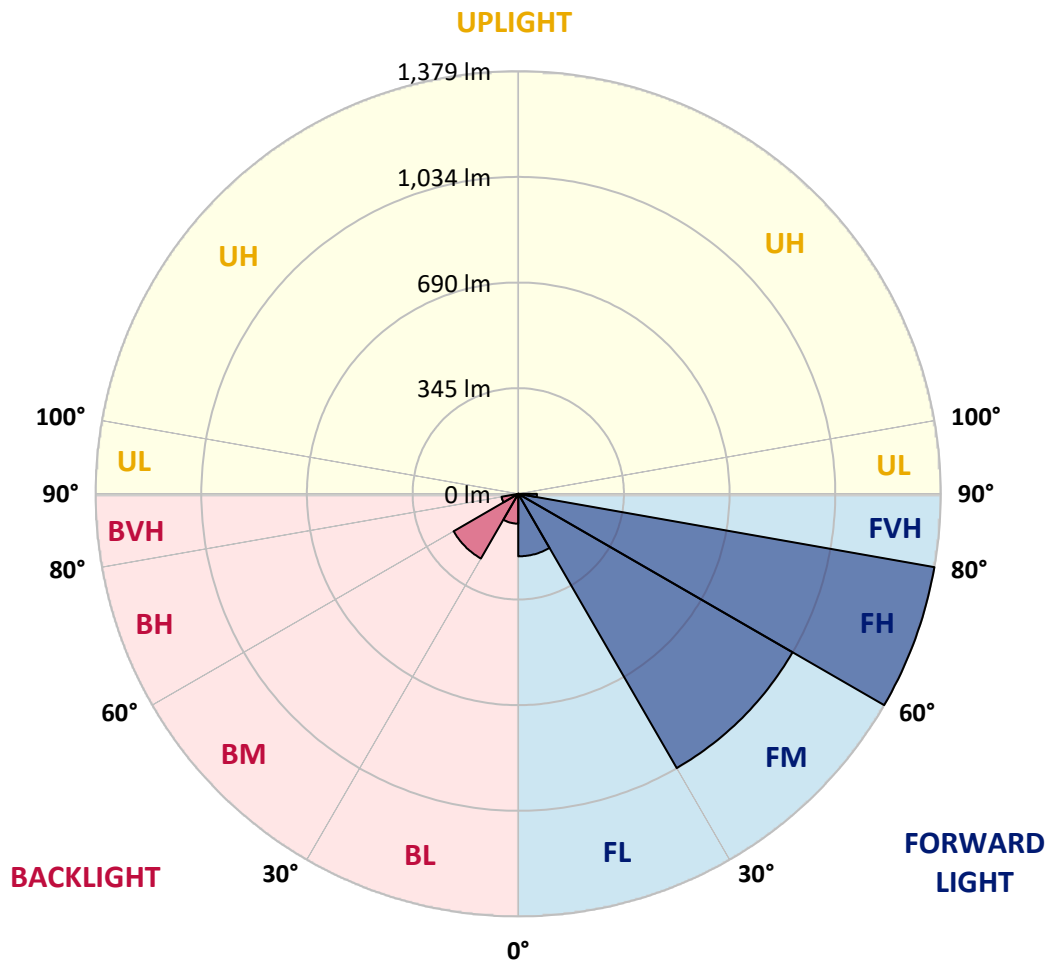
CATALOG NUMBER: GLAN-SB1B-722-U-SL4-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	204.1	6.6			
FM (30°-60°)	1033.8	33.6			
FH (60°-80°)	1379.3	44.9			G1/1800
FVH (80°-90°)	60.8	2.0			G1/100
BL (0°-30°)	97.5	3.2	B0/110		
BM (30°-60°)	243.9	7.9	B1/1000		
BH (60°-80°)	55.3	1.8	B0/110		G0/110
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Short



REPORT NUMBER: P845862  
 CATALOG NUMBER: GLAN-SB1B-722-U-SL4-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2
2.5°	419.4	421.1	420.1	418.3	417.8	416.9	415.7	415.3	413.6	412.3
5°	431.2	432.9	431.7	429.2	428.0	426.8	425.2	423.8	420.6	417.6
7.5°	444.2	445.6	444.2	440.5	438.7	437.3	434.9	432.9	429.2	424.8
10°	458.6	459.7	457.6	452.8	449.8	447.7	445.6	443.3	439.8	434.9
12.5°	472.0	473.4	470.2	464.4	460.9	458.8	456.5	454.6	451.2	446.5
15°	484.3	486.4	480.8	474.6	470.6	469.0	466.7	465.5	463.2	460.0
17.5°	493.5	494.9	489.1	481.7	477.3	476.2	474.6	475.2	474.8	473.2
20°	501.4	502.3	494.7	485.7	480.8	481.0	480.6	482.9	483.8	483.8
22.5°	511.1	511.4	501.6	490.3	484.5	486.1	486.8	489.4	491.2	493.1
25°	523.9	523.4	511.8	496.3	491.2	493.5	495.2	496.1	498.2	501.2
27.5°	542.9	541.5	526.7	506.0	500.0	502.1	505.1	504.7	503.7	506.0
30°	567.0	565.1	545.4	519.7	514.2	516.0	516.9	512.8	506.0	508.1
32.5°	605.2	601.9	574.6	535.0	526.4	528.5	527.4	518.8	508.8	510.9
35°	671.6	663.8	625.1	567.0	540.3	538.0	535.2	526.9	514.6	512.5
37.5°	812.9	799.0	733.0	629.3	571.8	556.8	548.2	539.9	520.9	512.5
40°	972.3	958.1	881.9	733.5	624.2	598.7	578.3	555.1	527.4	515.5
42.5°	1138.6	1123.0	1044.8	862.7	699.0	646.6	608.6	567.4	538.0	524.8
45°	1324.3	1304.8	1202.5	997.5	807.6	726.3	657.5	592.7	556.5	541.3
47.5°	1520.2	1495.0	1359.7	1128.4	924.6	836.5	746.9	637.8	583.9	565.8
50°	1693.9	1668.9	1522.1	1265.2	1033.9	941.5	848.8	700.4	624.9	600.5
52.5°	1818.8	1799.8	1669.8	1406.5	1147.6	1039.9	941.2	773.1	676.7	645.0
55°	1902.4	1885.0	1774.5	1540.4	1279.8	1148.3	1032.2	852.1	739.3	698.3
57.5°	1953.1	1943.1	1850.3	1659.9	1410.9	1266.9	1136.5	938.9	812.9	761.0
60°	1971.2	1963.1	1897.3	1773.8	1569.3	1409.3	1259.0	1036.9	902.3	832.4
62.5°	1923.0	1924.6	1931.1	1908.9	1736.3	1576.0	1405.8	1154.5	1001.4	913.2
65°	1696.2	1709.7	1832.9	2058.5	1957.5	1785.0	1592.7	1298.1	1114.9	1005.1
67.5°	1404.4	1423.9	1577.2	2146.0	2193.3	2056.2	1853.0	1481.1	1250.2	1098.7
70°	1075.1	1095.9	1281.7	2127.7	2414.0	2352.6	2175.0	1713.8	1390.3	1163.6
72.5°	767.3	777.9	924.3	1964.9	2504.5	2554.6	2412.1	1934.3	1461.9	1127.7
75°	539.2	537.3	634.4	1582.3	2363.5	2530.0	2329.0	1815.1	1322.9	895.8
77.5°	234.8	235.3	316.8	960.9	1886.4	2160.8	1936.0	1136.9	922.2	474.8
80°	60.9	62.8	116.3	382.6	1135.8	1426.2	1180.7	499.8	426.1	115.8
82.5°	21.5	22.9	53.5	120.2	419.0	654.0	525.7	159.8	111.2	33.1
85°	6.3	7.4	28.7	36.8	86.6	184.8	127.6	31.0	27.3	17.1
87.5°	0.0	0.9	5.8	5.1	5.1	3.5	6.5	3.5	4.4	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845862  
 CATALOG NUMBER: GLAN-SB1B-722-U-SL4-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
407.2	0°	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2	407.2
410.6	2.5°	409.2	407.6	404.1	400.4	397.0	393.7	392.8	389.3	387.7	387.9
413.9	5°	411.3	408.3	401.6	393.5	385.2	375.7	367.8	356.7	347.2	346.0
420.1	7.5°	416.9	412.0	401.1	385.4	364.5	338.4	314.1	290.0	276.3	268.9
429.4	10°	425.5	419.0	402.3	372.2	327.9	281.2	244.3	214.0	198.5	191.3
440.7	12.5°	435.6	428.5	404.1	349.7	280.7	219.3	179.5	161.0	157.7	157.3
454.6	15°	450.0	442.1	406.2	319.4	229.5	167.0	148.7	148.9	151.5	152.9
469.7	17.5°	466.0	458.1	403.2	282.3	179.0	142.7	142.2	144.3	148.0	149.4
483.6	20°	482.2	474.8	392.6	238.8	144.8	135.9	137.8	140.1	143.8	145.7
497.2	22.5°	498.9	492.4	375.7	192.5	130.6	131.1	133.4	135.7	139.9	142.0
510.7	25°	516.7	511.1	353.2	154.2	124.6	126.0	129.0	131.8	136.2	138.7
522.0	27.5°	534.8	530.6	327.7	128.8	119.0	120.7	124.1	127.8	132.2	135.3
532.0	30°	554.5	552.1	307.3	119.3	113.7	115.1	119.0	123.2	128.1	131.8
541.9	32.5°	574.6	574.1	297.4	126.2	108.9	109.8	113.3	117.4	123.4	128.1
550.3	35°	594.5	595.4	291.6	145.9	107.2	104.7	107.0	110.7	117.9	123.7
559.8	37.5°	620.0	622.3	291.4	167.2	111.2	99.6	101.2	103.8	110.0	116.7
574.6	40°	658.0	670.3	306.2	185.5	118.1	95.0	95.4	95.9	99.1	104.7
594.3	42.5°	708.5	744.4	359.7	198.0	120.9	90.8	89.2	86.6	86.2	89.2
621.2	45°	771.2	834.0	453.7	205.0	118.1	86.2	81.8	75.0	72.5	74.6
657.5	47.5°	845.1	932.2	565.1	206.6	113.5	80.4	72.5	63.7	61.6	62.3
706.4	50°	917.1	1005.8	663.1	193.2	105.8	73.0	62.3	54.9	53.5	53.7
764.1	52.5°	980.8	1031.1	690.9	161.4	95.7	63.9	53.5	48.4	47.5	47.5
827.7	55°	1023.0	1003.8	616.1	123.4	82.9	54.7	45.9	43.3	42.8	42.6
898.8	57.5°	1031.8	914.8	465.3	89.2	64.8	46.1	40.8	39.4	38.4	37.5
971.8	60°	1000.3	766.6	296.2	62.3	48.6	39.4	36.1	35.2	33.4	31.5
1040.4	62.5°	932.2	579.0	164.0	43.3	39.1	33.6	32.0	30.8	27.3	24.3
1094.8	65°	840.7	384.9	72.5	33.8	32.0	28.3	27.3	25.7	21.5	18.1
1115.4	67.5°	748.8	221.6	32.7	27.1	25.7	23.2	22.5	21.3	18.3	15.1
1062.8	70°	643.9	112.3	22.5	21.5	19.9	17.6	18.3	18.1	15.1	12.3
866.9	72.5°	479.4	55.8	16.9	16.2	14.4	12.5	15.1	14.8	11.8	9.3
534.5	75°	271.4	27.6	12.3	11.3	8.6	9.3	12.0	11.3	8.1	6.0
225.6	77.5°	107.7	14.1	8.1	6.9	5.1	6.3	8.8	7.6	4.2	2.5
43.1	80°	24.8	6.9	4.2	3.0	2.3	3.7	4.6	2.8	1.2	0.2
11.6	82.5°	6.9	3.0	1.4	1.2	1.2	1.4	1.2	0.5	0.0	0.0
3.0	85°	2.3	1.4	0.5	0.2	0.2	0.2	0.2	0.0	0.0	0.0
0.9	87.5°	0.9	0.5	0.0	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°
407.2
387.7
345.3
268.4
189.9
157.0
152.6
149.2
145.7
142.0
138.7
135.5
132.2
128.5
124.6
117.9
106.5
90.8
74.6
62.1
53.7
47.2
42.2
37.1
30.8
23.4
17.4
14.6
11.8
8.8
5.6
2.3
0.0
0.0
0.0
0.0
0.0
0.0

F REPORT)