

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: P852049

Luminaire Tested: **GLAN-SB1A-722-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852049  
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-SB1A-722-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3468 lumens  
Efficiency: N/A  
Efficacy: 112.2 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

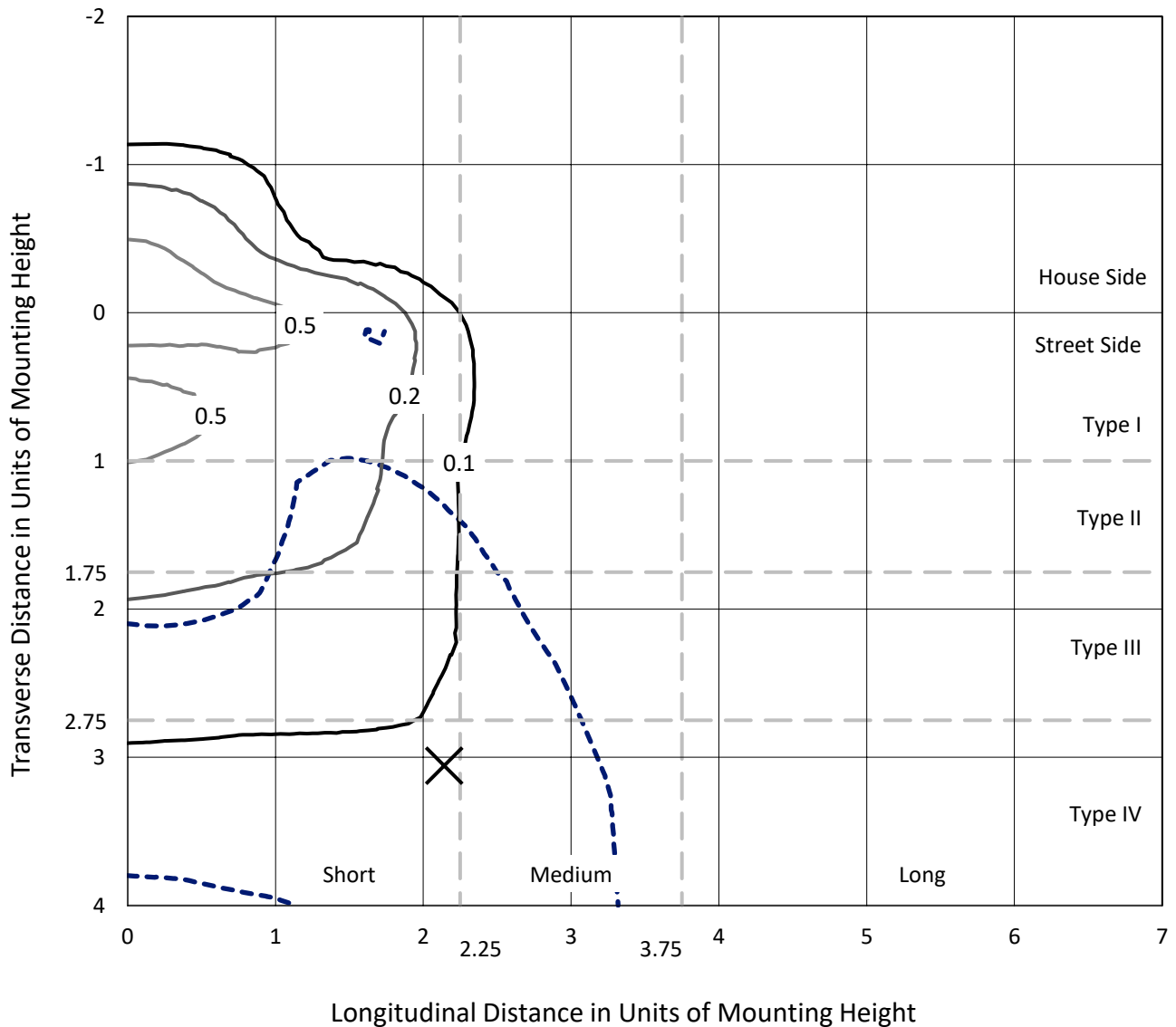
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P852049  
 CATALOG NUMBER: GLAN-SB1A-722-U-T4FT

### Iso-Footcandle Lines of Horizontal Illumination

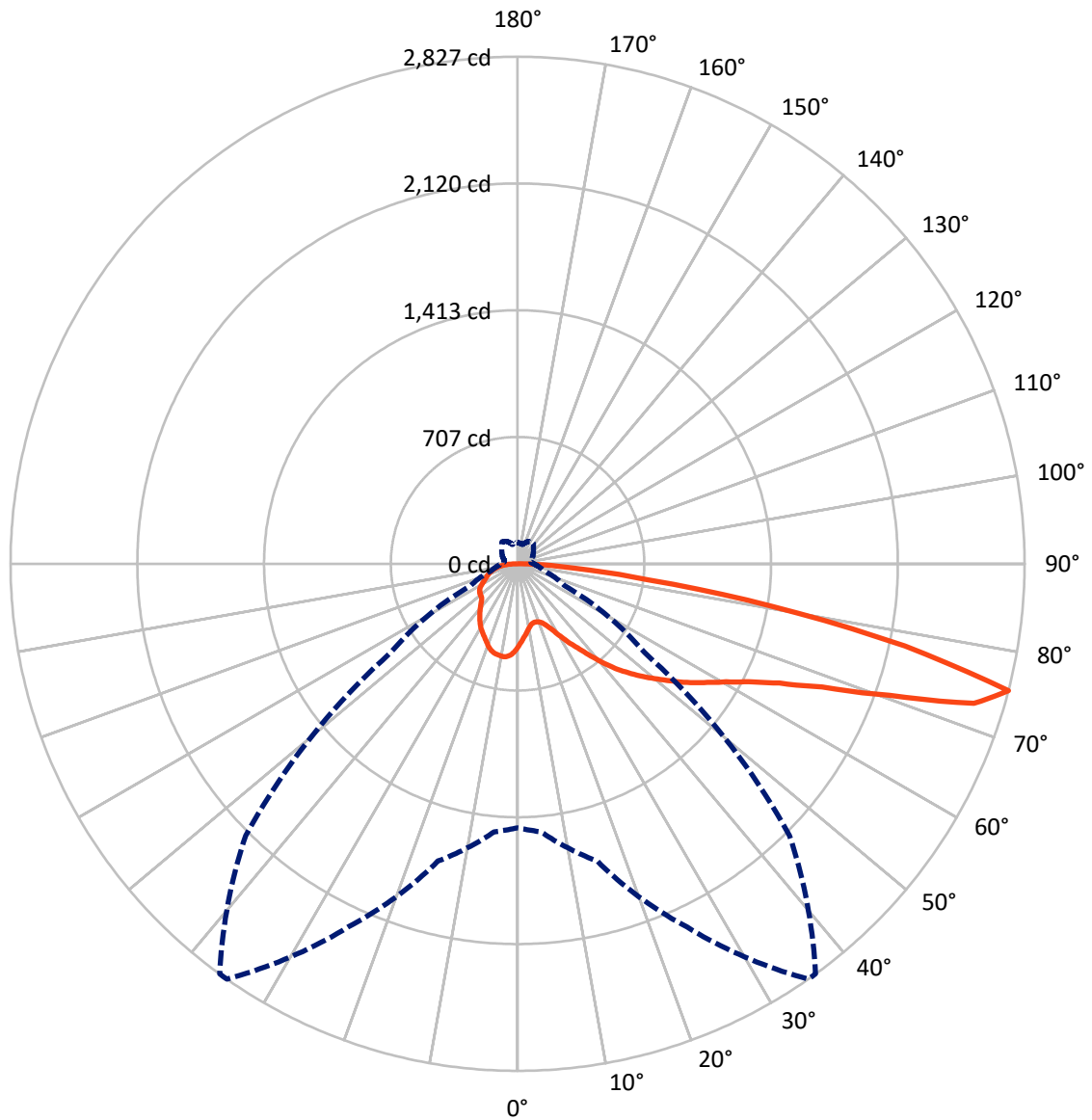
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Short - N/A

REPORT NUMBER: P852049  
CATALOG NUMBER: GLAN-SB1A-722-U-T4FT

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P852049  
 CATALOG NUMBER: GLAN-SB1A-722-U-T4FT

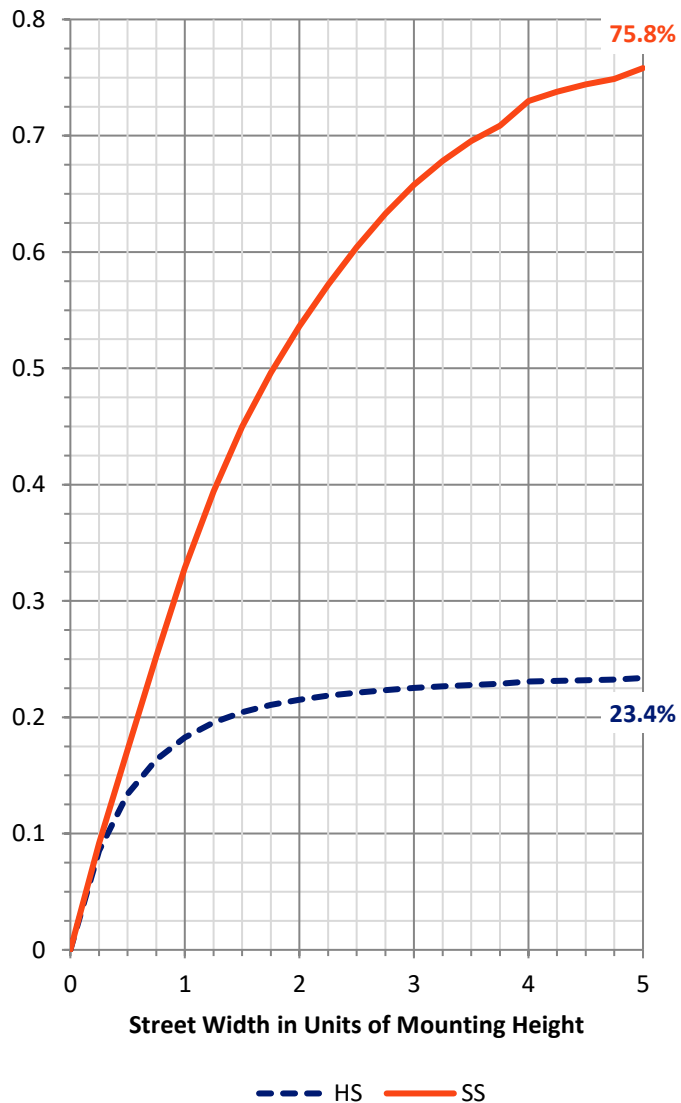
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	825.3	0.0	825.3
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	2642.7	0.0	2642.7
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	3468.0	0.0	3468.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.8	1.3
10°-20°	126.2	3.6
20°-30°	211.9	6.1
30°-40°	329.4	9.5
40°-50°	488.9	14.1
50°-60°	674.9	19.5
60°-70°	818.9	23.6
70°-80°	676.7	19.5
80°-90°	97.3	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°	3468.0	100.0
0°-180°	3468.0	100.0

**Coefficient of Utilization**



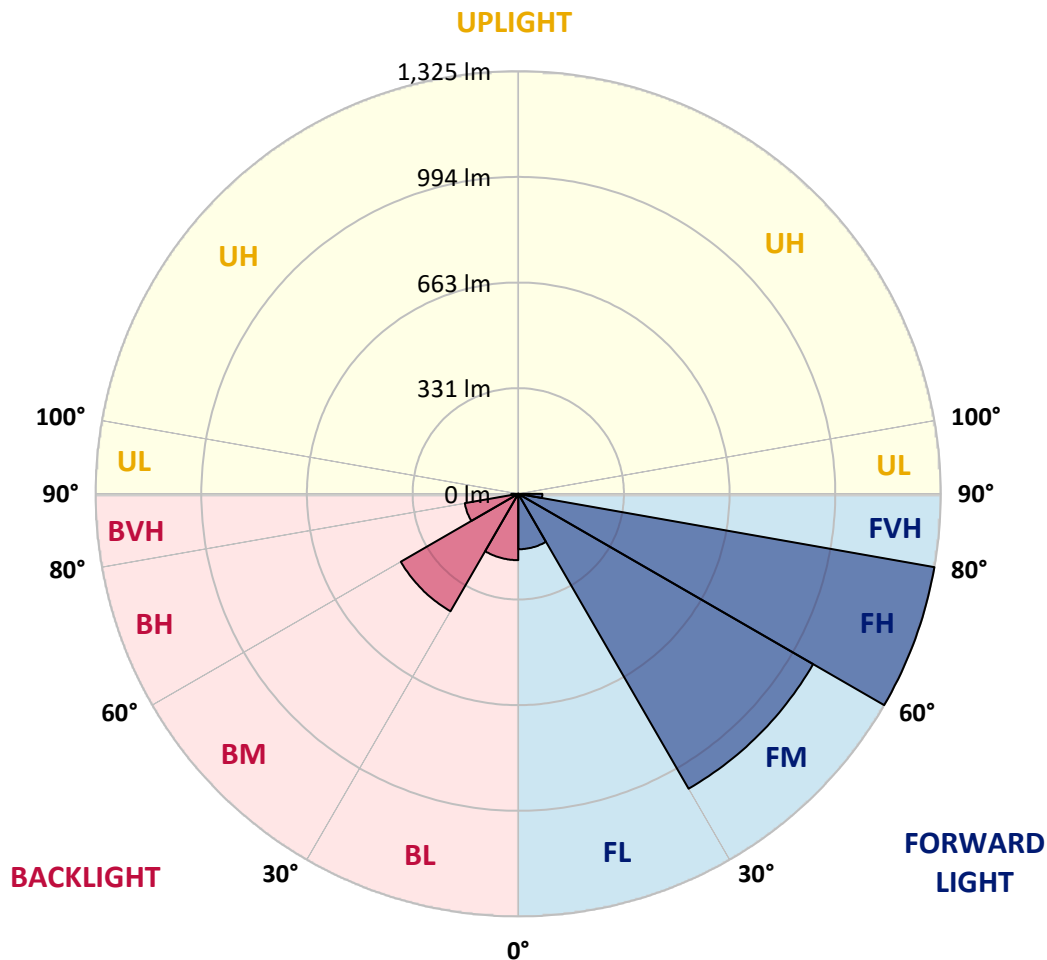
REPORT NUMBER: P852049  
 CATALOG NUMBER: GLAN-SB1A-722-U-T4FT

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.9	5.0			
FM (30°-60°)	1068.0	30.8			
FH (60°-80°)	1325.4	38.2			G1/1800
FVH (80°-90°)	75.4	2.2			G1/100
BL (0°-30°)	208.0	6.0	B1/500		
BM (30°-60°)	425.2	12.3	B1/1000		
BH (60°-80°)	170.2	4.9	B1/500		G1/500
BVH (80°-90°)	21.9	0.6			G1/100
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: P852049  
 CATALOG NUMBER: GLAN-SB1A-722-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	462.1	462.1	462.1	462.1	462.1	462.1	462.1	462.1	462.1	462.1
2.5°	426.1	428.8	429.9	429.3	432.1	431.8	435.7	440.6	447.3	453.9
5°	393.3	396.1	398.6	400.8	406.3	408.0	414.1	423.5	435.9	448.4
7.5°	362.8	365.2	369.0	373.1	382.3	384.0	394.3	408.9	426.1	444.5
10°	337.8	340.3	344.2	348.9	360.3	362.4	375.5	395.0	417.5	440.8
12.5°	327.1	327.9	330.1	334.8	344.8	346.1	360.5	382.8	409.1	437.9
15°	326.6	328.1	328.3	330.7	339.0	339.5	352.8	375.0	403.8	437.4
17.5°	332.2	333.3	331.6	333.1	340.1	341.0	351.5	371.2	402.1	439.8
20°	347.2	348.1	343.1	341.0	346.1	346.8	357.1	373.6	403.8	444.9
22.5°	379.1	379.6	367.3	358.8	359.2	359.6	368.6	383.6	410.4	454.1
25°	428.8	428.4	408.7	392.4	383.0	381.0	387.0	399.7	421.5	466.3
27.5°	486.9	484.1	464.4	440.0	419.6	416.6	415.3	420.7	437.2	482.4
30°	552.5	549.9	528.7	496.8	468.5	463.6	451.3	448.4	460.6	504.3
32.5°	624.5	622.8	597.5	558.9	521.0	515.4	494.6	487.1	496.6	537.5
35°	684.9	683.4	662.4	622.6	576.3	569.4	548.2	539.8	544.6	580.1
37.5°	739.4	738.7	720.7	689.4	641.6	633.1	609.3	606.5	605.6	636.1
40°	790.0	788.2	769.4	752.9	717.5	709.8	688.8	686.4	679.2	705.1
42.5°	846.1	841.2	814.0	806.3	796.8	790.4	777.8	778.2	762.5	782.9
45°	891.8	889.0	861.1	856.6	866.9	864.3	875.1	878.0	847.4	864.5
47.5°	941.0	938.3	914.7	911.5	939.5	940.2	978.6	979.6	930.3	949.2
50°	1001.5	997.8	974.3	978.3	1009.6	1012.4	1082.7	1076.3	1006.6	1035.3
52.5°	1041.4	1043.7	1038.6	1045.0	1087.8	1090.4	1185.1	1168.7	1082.1	1120.2
55°	1070.9	1075.4	1091.1	1105.7	1170.2	1172.9	1281.6	1256.7	1144.7	1198.9
57.5°	1108.7	1102.4	1131.8	1160.3	1248.6	1255.5	1375.5	1341.4	1200.2	1266.8
60°	1163.1	1158.6	1181.5	1223.7	1336.3	1347.4	1474.9	1417.7	1240.9	1320.6
62.5°	1273.4	1262.1	1265.7	1303.0	1447.0	1461.6	1587.0	1484.3	1261.2	1341.6
65°	1438.1	1418.8	1400.8	1426.7	1602.8	1617.2	1713.6	1536.6	1253.7	1300.9
67.5°	1645.7	1626.6	1604.4	1628.8	1832.2	1843.7	1869.7	1566.0	1194.6	1144.2
70°	1816.9	1809.7	1836.2	1936.5	2198.7	2199.1	2069.9	1541.6	1032.8	811.2
72.5°	1794.2	1789.9	1929.2	2239.2	2660.7	2650.8	2259.5	1357.2	695.7	366.0
75°	1471.9	1499.8	1715.6	2233.8	2826.6	2825.3	2143.4	862.8	287.8	151.7
77.5°	789.3	833.5	1113.8	1649.2	2206.6	2239.8	1507.0	301.8	123.5	97.1
80°	257.4	296.0	443.9	839.7	1433.8	1427.6	645.9	118.5	84.6	68.8
82.5°	109.3	113.8	198.4	396.5	735.9	724.4	205.7	68.1	59.4	47.1
85°	42.7	47.8	87.6	183.4	318.7	311.8	74.2	33.7	38.1	30.7
87.5°	14.1	17.1	31.3	62.8	99.2	95.6	18.2	11.6	16.5	14.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852049  
 CATALOG NUMBER: GLAN-SB1A-722-U-T4FT

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
462.1	0°	462.1	462.1	462.1	462.1	462.1	462.1	462.1	462.1	462.1	462.1
463.4	2.5°	466.1	469.1	472.6	477.9	482.4	486.1	490.1	492.5	493.4	496.3
464.2	5°	469.4	476.0	484.8	493.4	501.9	506.9	511.4	513.7	515.8	517.3
466.3	7.5°	475.1	483.5	497.4	508.6	515.8	519.9	522.9	522.1	522.9	523.3
468.5	10°	479.9	491.8	508.3	518.9	524.4	524.6	523.8	521.2	519.9	520.1
471.9	12.5°	485.8	498.9	516.7	525.7	527.2	523.1	519.9	515.4	513.7	512.9
476.9	15°	493.6	508.6	525.9	529.3	525.5	520.3	514.8	507.5	503.8	500.8
485.6	17.5°	503.2	519.7	533.0	530.6	522.5	513.9	505.1	494.0	486.3	483.1
497.4	20°	516.5	531.3	538.4	527.8	515.6	502.4	487.4	473.9	466.8	463.6
512.4	22.5°	532.6	546.9	543.7	522.9	505.6	484.6	465.9	455.9	452.4	450.1
531.7	25°	551.9	564.1	547.4	515.8	489.3	461.0	446.6	443.4	441.7	440.0
555.3	27.5°	577.1	583.6	550.2	505.3	463.8	435.9	430.6	431.2	430.6	427.8
588.1	30°	610.2	608.9	552.9	488.2	434.6	413.2	413.6	416.0	416.4	414.5
633.9	32.5°	653.9	640.6	554.2	466.1	406.6	393.3	393.7	396.3	398.2	395.0
693.7	35°	706.8	677.5	552.1	438.3	385.1	374.4	371.6	372.3	372.9	369.9
766.2	37.5°	768.5	719.0	542.9	407.6	367.3	355.8	349.8	344.8	341.8	339.0
848.3	40°	836.2	764.2	526.1	377.6	347.4	336.1	327.1	317.6	307.5	303.7
935.3	42.5°	907.0	810.7	505.6	348.9	324.5	315.3	305.8	291.9	276.7	269.0
1025.7	45°	980.5	858.3	485.6	320.6	301.1	297.2	286.1	269.4	252.9	243.2
1116.2	47.5°	1052.5	903.3	456.1	292.1	279.2	283.5	274.8	259.5	241.1	225.7
1206.0	50°	1121.3	945.5	408.0	263.2	261.3	279.3	271.1	249.0	228.0	208.3
1294.2	52.5°	1189.6	979.6	346.3	237.0	251.8	278.2	266.2	241.8	216.2	195.5
1377.0	55°	1247.5	997.2	286.8	214.5	237.9	268.7	260.4	233.4	199.5	177.5
1433.8	57.5°	1280.5	982.9	237.3	192.4	218.8	252.9	250.5	215.4	179.6	162.7
1444.9	60°	1266.2	925.2	196.9	173.0	200.6	235.8	233.2	197.6	164.4	148.5
1385.7	62.5°	1187.7	815.2	164.8	156.2	184.1	218.4	216.0	183.9	152.8	137.4
1228.4	65°	1029.4	663.1	139.9	142.1	167.4	197.4	201.0	172.5	143.6	128.6
950.3	67.5°	785.2	480.3	120.4	129.9	151.1	176.8	187.1	164.2	135.9	121.7
549.9	70°	447.5	272.8	103.9	118.1	136.7	157.7	176.4	157.7	127.7	115.9
206.0	72.5°	169.7	125.2	89.8	106.3	122.8	141.5	164.6	147.4	118.1	109.3
106.5	75°	90.6	76.3	75.6	92.4	106.9	125.8	149.8	137.2	111.0	115.5
73.7	77.5°	61.7	54.0	63.2	79.1	89.4	108.4	134.0	121.9	96.2	95.8
51.0	80°	42.7	38.2	51.4	63.7	69.2	91.1	117.0	104.6	78.4	73.1
31.5	82.5°	25.7	24.9	38.4	47.6	48.9	70.3	96.9	87.7	64.1	55.9
18.7	85°	14.1	14.8	24.6	27.9	28.5	49.1	75.9	67.9	49.3	41.4
6.7	87.5°	3.9	5.1	9.0	11.1	13.7	25.5	45.2	40.3	24.7	17.2
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°
462.1
496.1
517.6
523.8
520.4
512.6
501.7
483.3
463.3
450.5
440.0
428.4
415.5
396.5
372.0
340.8
305.4
270.0
242.4
224.0
206.6
193.3
175.7
160.5
146.2
135.0
126.2
119.4
114.4
107.8
119.2
88.3
69.9
56.2
41.8
17.2
0.0

F REPORT)