

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: P845696

Luminaire Tested: **GLAN-SB1A-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3477 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

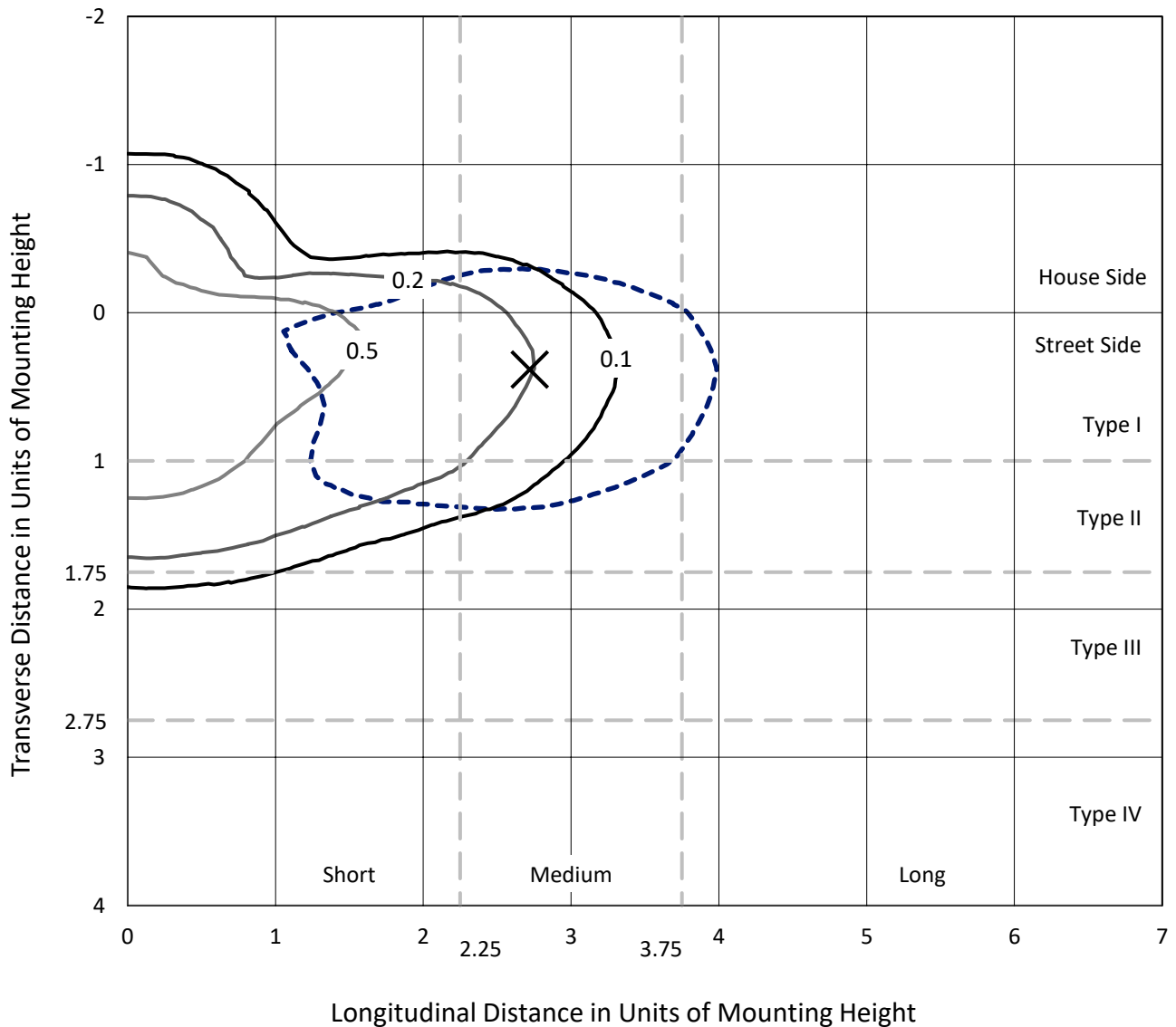
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P845696
 CATALOG NUMBER: GLAN-SB1A-722-U-T2

Iso-Footcandle Lines of Horizontal Illumination

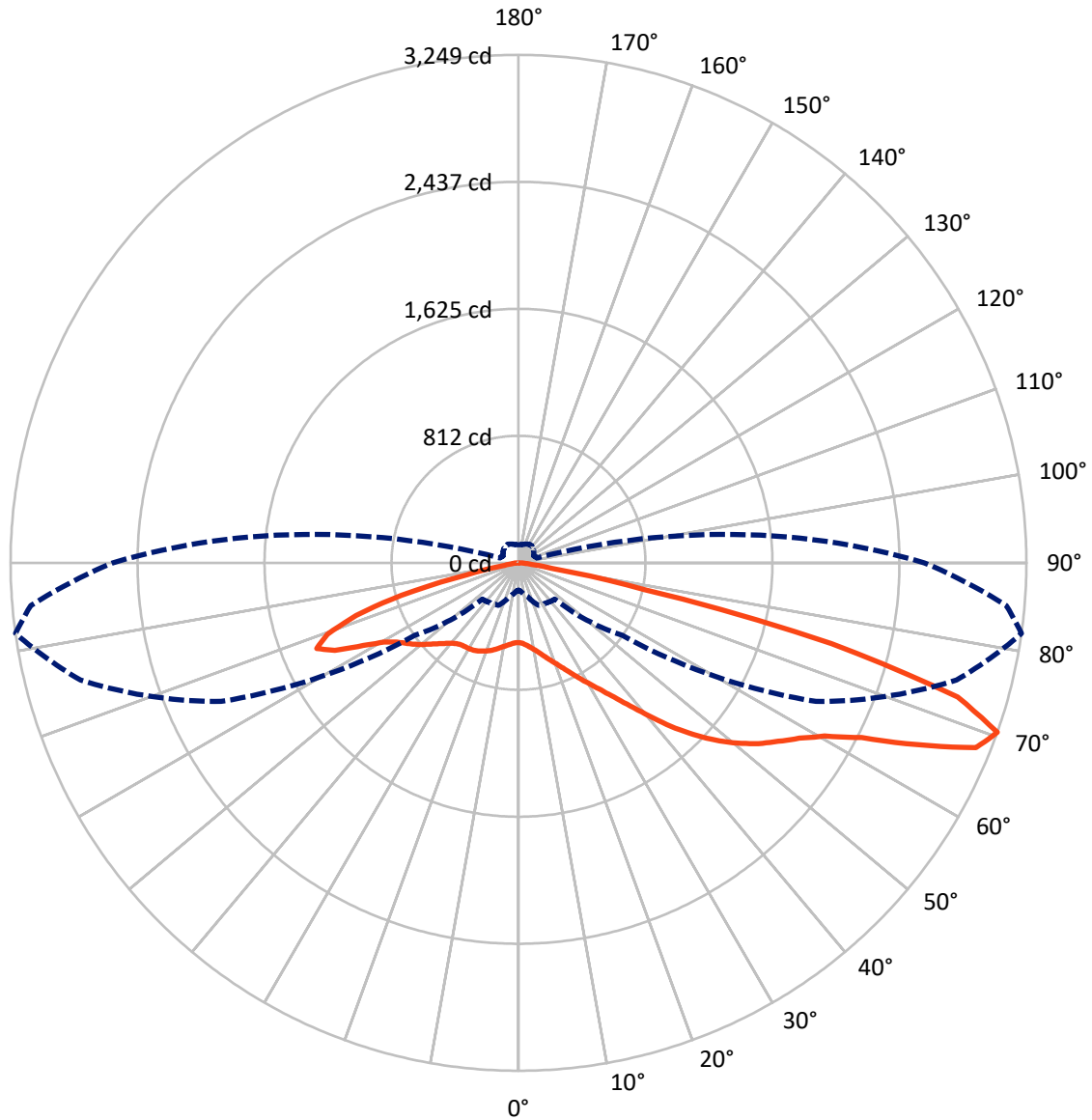
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P845696
CATALOG NUMBER: GLAN-SB1A-722-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P845696
 CATALOG NUMBER: GLAN-SB1A-722-U-T2

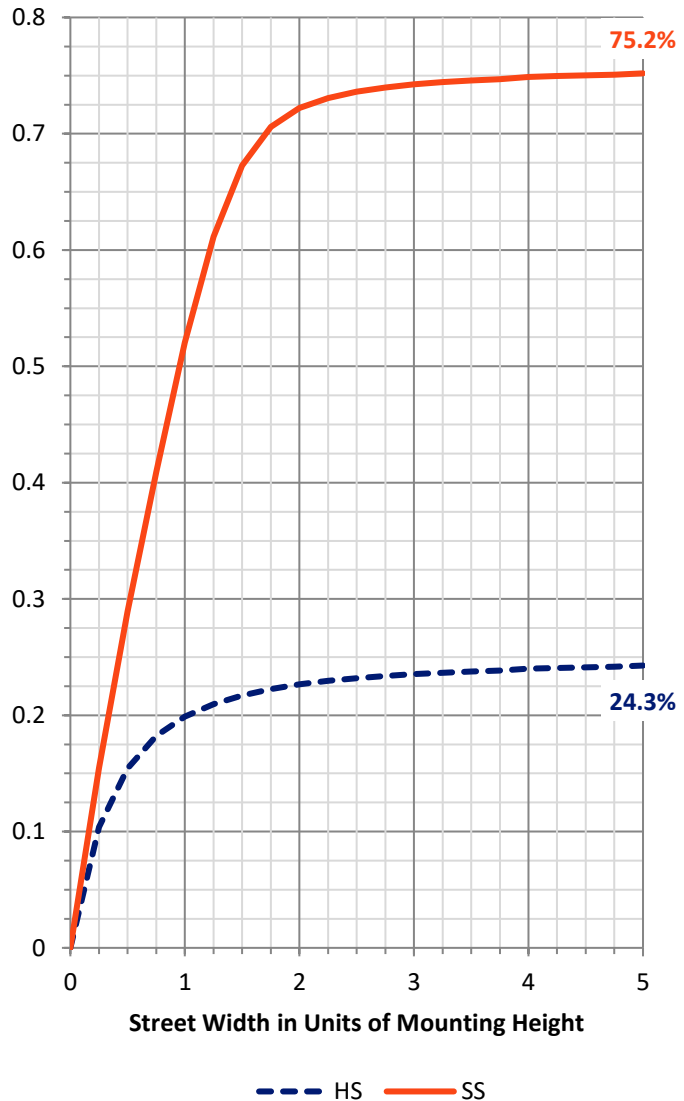
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	857.2	0.0	857.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	2619.8	0.0	2619.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	3477.0	0.0	3477.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.1	1.4
10°-20°	138.3	4.0
20°-30°	231.3	6.7
30°-40°	361.4	10.4
40°-50°	575.6	16.6
50°-60°	801.0	23.0
60°-70°	837.9	24.1
70°-80°	437.9	12.6
80°-90°	45.5	1.3
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°	3477.0	100.0
0°-180°	3477.0	100.0

Coefficient of Utilization

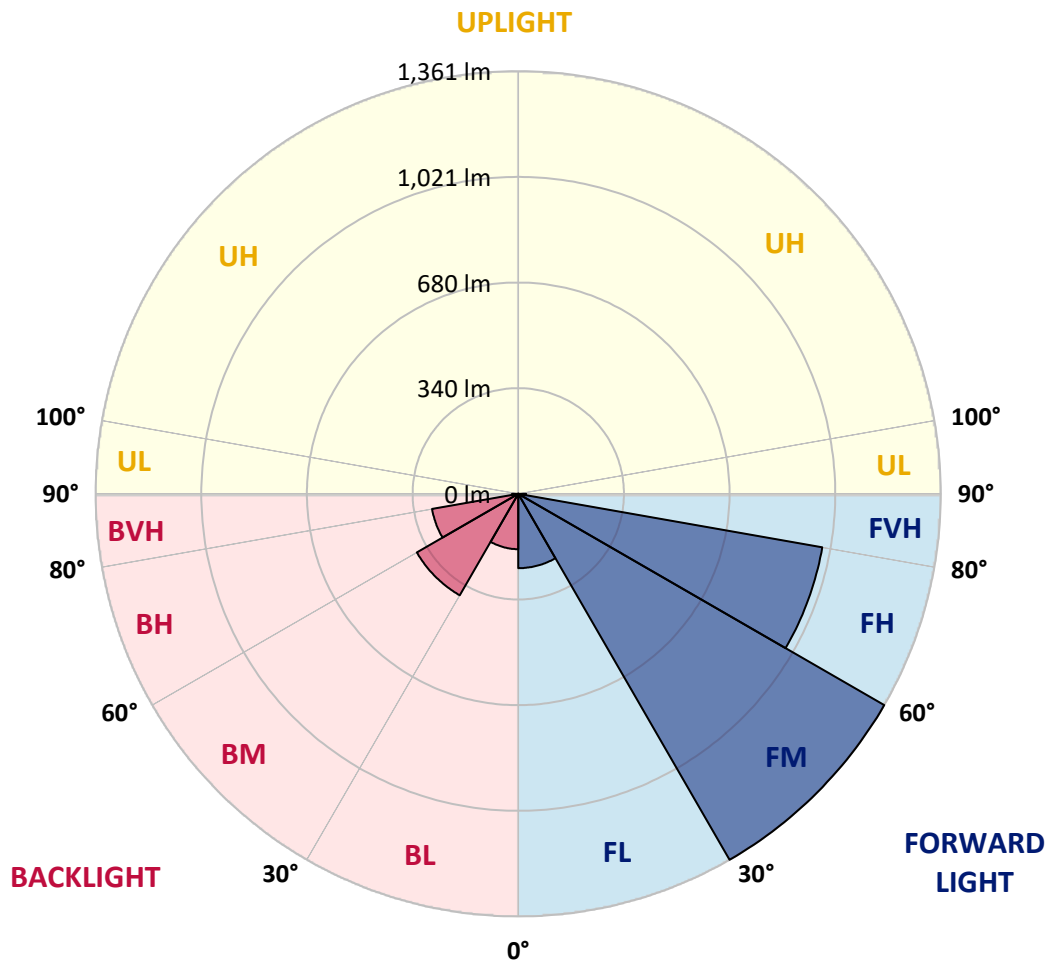


REPORT NUMBER: P845696
 CATALOG NUMBER: GLAN-SB1A-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.4	6.9			
FM (30°-60°)	1360.9	39.1			
FH (60°-80°)	994.1	28.6			G1/1800
FVH (80°-90°)	25.5	0.7			G1/100
BL (0°-30°)	178.3	5.1	B1/500		
BM (30°-60°)	377.1	10.8	B1/1000		
BH (60°-80°)	281.7	8.1	B1/500		G1/500
BVH (80°-90°)	20.0	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 II Medium



REPORT NUMBER: P845696
 CATALOG NUMBER: GLAN-SB1A-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	509.8	509.8	509.8	509.8	509.8	509.8	509.8	509.8	509.8	509.8
2.5°	521.9	524.9	524.0	523.1	523.1	521.8	521.6	519.7	518.3	515.9
5°	528.6	531.7	531.4	532.1	534.5	535.0	535.6	534.5	531.5	528.6
7.5°	522.7	526.2	527.3	531.7	539.1	545.7	550.7	552.8	550.0	545.7
10°	502.8	506.6	510.5	521.0	534.1	549.8	563.1	571.0	570.5	566.4
12.5°	462.4	466.4	474.7	495.2	519.2	546.9	571.6	588.2	593.9	591.0
15°	430.1	433.6	439.8	460.9	492.1	534.1	574.7	607.0	621.6	619.9
17.5°	429.1	430.6	434.5	444.5	468.4	514.2	571.4	625.5	653.3	653.1
20°	445.4	445.9	448.1	450.2	463.8	499.1	562.9	640.8	688.9	688.9
22.5°	467.9	467.5	469.7	467.9	474.5	497.8	557.6	654.2	728.6	731.5
25°	501.7	499.8	499.3	495.0	496.3	509.8	563.5	669.5	775.6	781.7
27.5°	546.7	543.7	541.7	531.9	528.6	534.5	581.5	688.0	828.0	838.5
30°	605.3	600.0	597.0	580.1	568.1	569.0	608.8	712.5	882.8	899.8
32.5°	685.4	677.1	669.2	641.3	619.4	612.2	644.1	746.5	942.2	969.4
35°	775.1	768.4	760.0	717.0	683.2	666.6	691.7	793.9	1011.8	1054.8
37.5°	861.4	855.7	859.8	801.8	758.3	734.1	754.0	857.6	1097.6	1161.1
40°	950.7	946.3	946.9	891.5	840.8	813.6	829.7	937.4	1195.9	1287.4
42.5°	1047.8	1044.5	1033.4	984.3	927.3	902.0	916.8	1029.7	1301.5	1431.3
45°	1156.4	1154.4	1144.1	1087.8	1022.5	994.1	1014.0	1131.5	1407.5	1566.8
47.5°	1250.4	1252.0	1250.7	1203.3	1135.6	1093.9	1117.7	1237.8	1506.3	1694.1
50°	1295.6	1304.2	1317.0	1302.2	1260.1	1217.7	1222.3	1340.4	1600.3	1813.4
52.5°	1271.9	1288.4	1323.0	1346.7	1362.9	1354.0	1341.7	1442.2	1688.9	1921.2
55°	1183.9	1207.0	1264.6	1321.6	1404.4	1468.8	1485.0	1555.1	1775.3	2016.0
57.5°	1023.6	1061.1	1112.7	1228.0	1367.5	1524.3	1652.2	1711.8	1866.8	2117.3
60°	748.7	798.9	863.1	1034.7	1238.4	1494.6	1794.4	1952.4	1996.8	2248.5
62.5°	479.1	510.1	569.2	730.8	964.9	1342.4	1838.0	2253.1	2217.3	2463.6
65°	328.0	348.0	402.0	492.8	623.8	999.2	1721.4	2478.6	2567.5	2804.6
67.5°	238.4	253.5	299.6	379.1	406.5	591.3	1335.8	2468.2	2907.9	3155.9
70°	173.8	184.5	223.2	299.6	312.7	329.0	809.2	2098.1	2900.5	3249.2
72.5°	128.8	136.2	162.2	232.5	253.1	222.1	400.5	1524.9	2492.4	2938.9
75°	93.2	98.7	117.9	177.9	202.6	169.2	199.8	891.1	1738.5	2067.3
77.5°	71.2	75.5	88.0	130.3	162.2	126.9	124.0	410.0	824.3	828.4
80°	57.2	60.0	66.8	91.7	124.4	95.0	80.8	165.5	260.5	220.5
82.5°	42.1	46.7	56.5	64.4	88.9	65.5	49.3	83.6	99.1	85.2
85°	24.0	27.1	34.1	46.1	56.8	40.0	28.2	37.1	46.1	37.8
87.5°	8.5	11.1	12.0	18.1	24.7	16.6	10.9	10.7	15.1	11.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845696
 CATALOG NUMBER: GLAN-SB1A-722-U-T2

CANDELA DISTRIBUTION (continued):

85°	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
509.8	0°	509.8	509.8	509.8	509.8	509.8	509.8	509.8	509.8	509.8
515.3	2.5°	513.5	512.5	508.8	503.9	498.7	493.7	492.1	488.6	486.2
527.3	5°	523.8	520.8	512.2	501.1	489.5	476.9	468.1	460.0	454.1
543.7	7.5°	538.6	533.4	518.4	499.1	478.4	457.6	442.1	430.3	422.3
562.9	10°	555.7	547.8	524.9	495.9	464.0	434.1	415.9	405.7	400.7
584.9	12.5°	575.5	564.2	531.5	488.7	442.1	407.9	395.4	392.4	392.6
612.5	15°	599.8	584.1	536.9	473.1	413.5	387.8	385.6	390.4	395.4
643.9	17.5°	627.3	605.2	537.8	447.2	385.4	374.9	381.9	392.2	399.8
679.0	20°	656.8	626.6	531.2	410.7	362.4	364.4	376.9	390.2	398.5
719.0	22.5°	690.6	649.4	515.3	372.3	343.5	352.9	367.7	380.6	389.3
766.0	25°	729.1	675.1	490.4	340.0	327.3	340.0	354.8	365.5	372.5
818.6	27.5°	771.9	701.8	457.2	314.4	313.1	326.7	338.9	347.2	350.9
874.5	30°	814.9	726.2	417.0	295.0	300.7	313.6	322.3	326.0	327.1
936.9	32.5°	861.4	747.2	374.7	279.0	288.9	300.9	306.1	307.7	302.6
1012.5	35°	917.7	769.7	333.4	266.2	277.3	287.6	289.3	287.8	281.7
1107.4	37.5°	987.3	797.8	300.4	257.2	266.4	273.2	271.2	270.8	271.4
1221.4	40°	1072.5	834.3	276.2	250.2	257.6	259.0	253.3	256.5	259.2
1346.5	42.5°	1167.1	878.4	260.9	245.4	250.2	246.7	237.8	241.3	241.0
1472.1	45°	1263.6	926.4	255.5	241.9	243.4	236.3	226.6	227.5	219.7
1592.6	47.5°	1359.6	977.8	258.9	238.9	234.9	226.9	219.4	215.3	203.9
1708.1	50°	1453.7	1031.9	271.0	233.0	223.2	218.6	213.1	205.9	193.7
1817.3	52.5°	1540.9	1086.3	284.7	223.2	208.7	211.4	207.9	199.6	187.6
1920.6	55°	1623.6	1140.8	290.0	209.8	195.0	205.2	203.1	187.8	173.4
2028.8	57.5°	1713.6	1206.3	284.1	192.6	183.9	198.0	190.2	173.2	164.9
2169.5	60°	1838.4	1309.0	271.4	171.4	173.4	187.3	174.0	167.0	157.9
2380.6	62.5°	2045.5	1500.7	250.9	150.4	161.1	171.4	166.2	159.2	150.0
2741.5	65°	2351.8	1767.1	212.4	133.9	147.2	155.9	157.9	150.9	141.3
3057.7	67.5°	2610.1	1934.3	160.7	120.3	133.0	143.4	149.1	142.2	132.1
3131.7	70°	2595.9	1812.9	122.7	106.8	120.5	131.0	138.4	133.0	122.1
2844.6	72.5°	2305.7	1516.6	99.3	93.2	107.7	118.1	126.9	122.9	111.8
2083.9	75°	1693.9	1076.6	79.3	79.3	91.9	104.6	114.4	111.8	101.7
874.9	77.5°	714.0	451.7	62.2	65.9	76.4	89.9	102.0	103.0	94.1
231.4	80°	189.8	124.5	47.4	51.8	60.0	74.2	88.7	88.4	78.8
86.0	82.5°	72.3	49.1	33.8	36.5	43.4	56.8	70.3	72.5	62.9
33.8	85°	27.9	21.0	20.8	22.0	25.3	37.6	53.1	55.0	47.4
9.4	87.5°	7.2	6.3	7.7	7.4	11.6	20.1	30.4	31.5	29.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
509.8
486.3
450.7
418.3
398.7
393.2
397.6
403.9
403.9
394.6
377.5
355.0
329.0
300.2
274.9
263.5
246.7
223.8
205.0
192.4
183.2
177.9
164.6
158.3
150.7
143.4
134.7
125.5
<i>116.2</i>
105.5
95.9
90.4
68.4
54.4
41.5
24.0
0.0

F REPORT)