

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: P847225

Luminaire Tested: **GLAN-SB3B-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847225
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3B-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9648 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

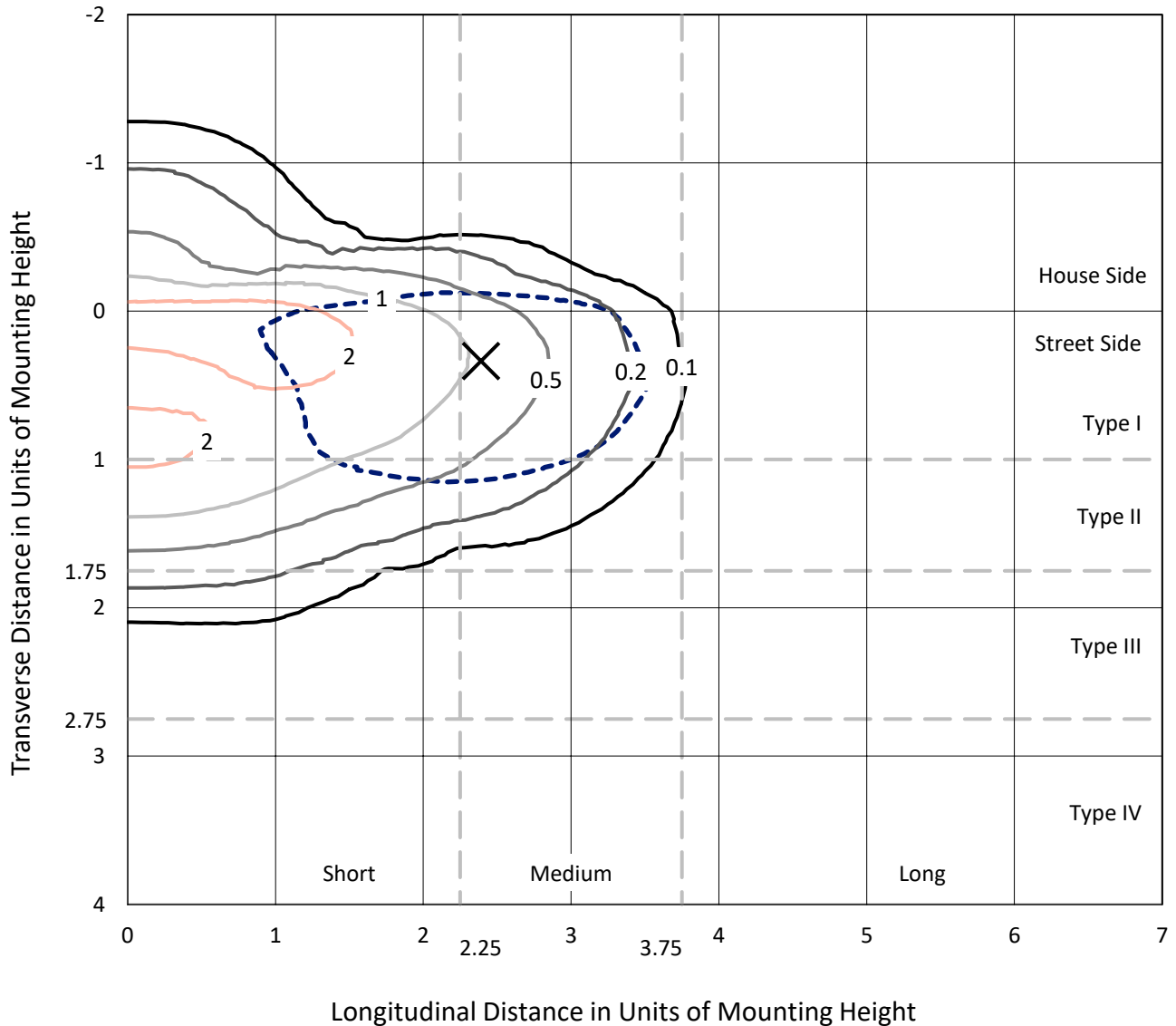
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847225
 CATALOG NUMBER: GLAN-SB3B-722-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

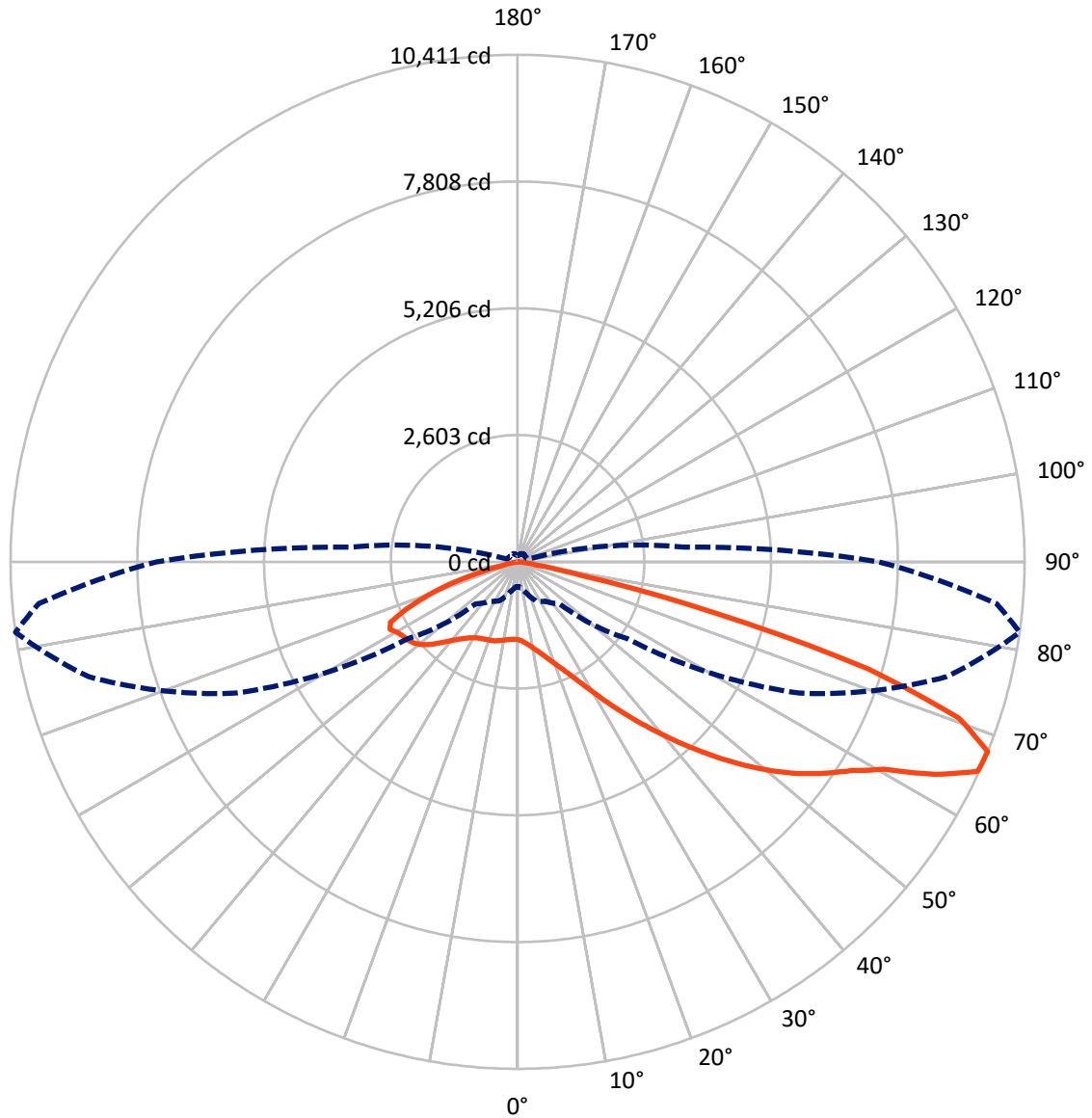
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P847225
CATALOG NUMBER: GLAN-SB3B-722-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P847225
 CATALOG NUMBER: GLAN-SB3B-722-U-T2-HSS

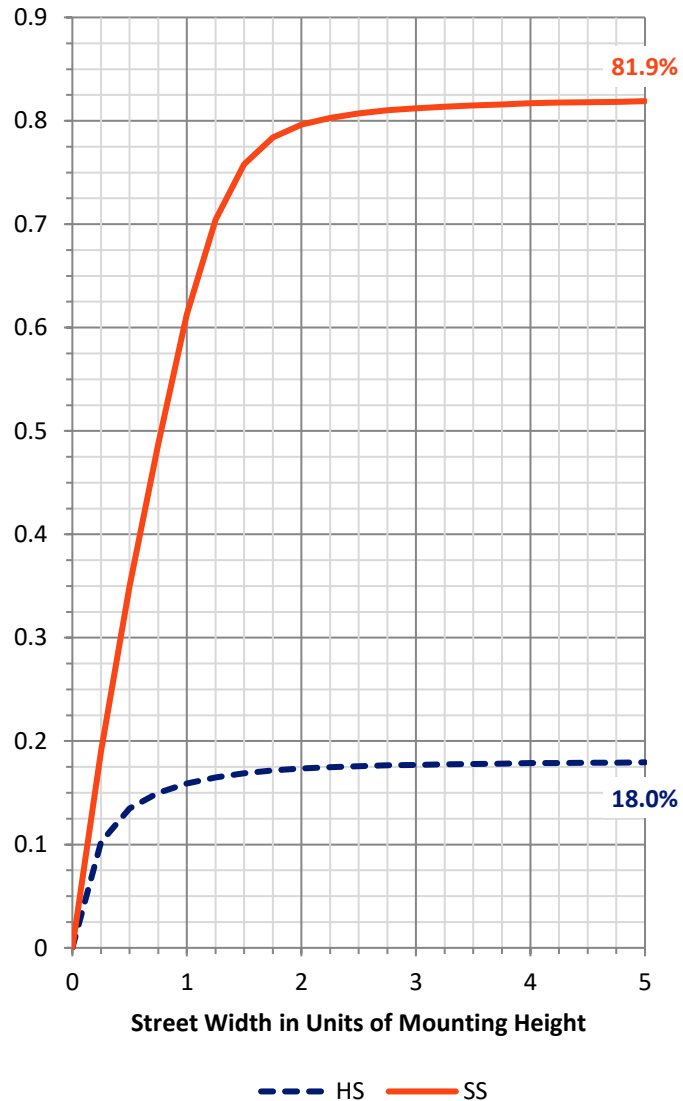
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1747.6	0.0	1747.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	7900.4	0.0	7900.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	9648.0	0.0	9648.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	1.5
10°-20°	370.0	3.8
20°-30°	592.7	6.1
30°-40°	1048.1	10.9
40°-50°	1836.3	19.0
50°-60°	2449.1	25.4
60°-70°	2280.0	23.6
70°-80°	875.1	9.1
80°-90°	54.4	0.6
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°	9648.0	100.0
0°-180°	9648.0	100.0

Coefficient of Utilization



REPORT NUMBER: P847225

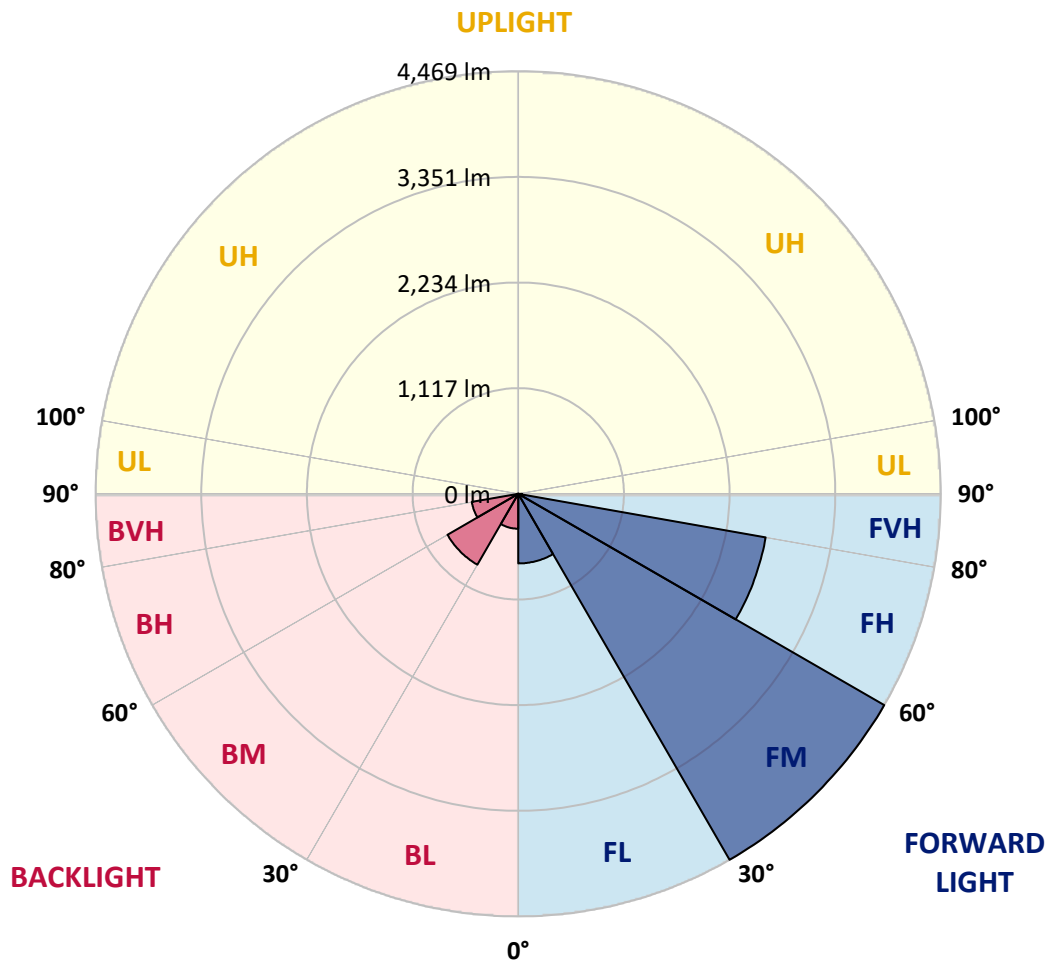
CATALOG NUMBER: GLAN-SB3B-722-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	736.0	7.6			
FM (30°-60°)	4468.6	46.3			
FH (60°-80°)	2656.2	27.5			G2/5000
FVH (80°-90°)	39.5	0.4			G1/100
BL (0°-30°)	369.1	3.8	B1/500		
BM (30°-60°)	864.9	9.0	B1/1000		
BH (60°-80°)	498.8	5.2	B1/500		G1/500
BVH (80°-90°)	14.8	0.2			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 II Medium



REPORT NUMBER: P847225
 CATALOG NUMBER: GLAN-SB3B-722-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1598.3	1598.3	1598.3	1598.3	1598.3	1598.3	1598.3	1598.3	1598.3	1598.3
2.5°	1689.3	1699.1	1693.5	1690.7	1685.9	1678.9	1673.4	1656.0	1637.9	1626.1
5°	1723.4	1733.1	1732.4	1735.2	1738.7	1740.7	1739.4	1719.9	1694.2	1674.1
7.5°	1694.2	1705.3	1714.4	1728.2	1752.6	1778.3	1790.8	1786.6	1760.2	1732.4
10°	1611.5	1623.4	1644.9	1677.5	1728.9	1784.5	1831.0	1852.6	1835.9	1805.3
12.5°	1460.1	1471.9	1514.3	1585.1	1671.3	1767.8	1856.8	1914.4	1918.6	1888.0
15°	1289.9	1301.7	1346.9	1435.8	1567.1	1722.0	1870.6	1979.7	2016.5	1990.1
17.5°	1184.3	1194.8	1228.8	1300.4	1437.2	1630.3	1865.8	2049.2	2133.2	2112.4
20°	1152.4	1161.4	1177.4	1227.4	1341.3	1535.1	1833.8	2114.5	2258.9	2247.1
22.5°	1186.4	1194.8	1199.6	1221.9	1293.4	1472.6	1793.5	2181.1	2404.8	2406.2
25°	1264.9	1273.3	1267.7	1281.6	1312.9	1453.2	1778.3	2259.6	2588.2	2603.5
27.5°	1394.1	1394.8	1381.6	1380.9	1385.8	1482.3	1794.2	2343.7	2819.5	2848.0
30°	1653.2	1642.8	1592.1	1537.2	1512.2	1569.9	1838.7	2443.0	3092.5	3143.2
32.5°	2052.6	2037.4	1944.3	1813.0	1681.0	1710.9	1918.6	2556.2	3389.8	3481.5
35°	2486.1	2481.9	2384.7	2189.5	1958.9	1911.6	2048.5	2704.9	3714.2	3860.1
37.5°	2889.0	2886.9	2831.3	2601.4	2320.8	2191.6	2256.9	2899.4	4061.5	4272.7
40°	3257.1	3263.4	3207.8	3002.2	2719.5	2550.7	2540.3	3139.7	4447.7	4722.1
42.5°	3575.3	3582.2	3525.9	3373.8	3113.3	2948.0	2888.3	3434.3	4824.9	5204.9
45°	3791.3	3834.4	3826.0	3704.5	3517.6	3346.0	3306.4	3803.8	5254.9	5716.8
47.5°	3852.4	3892.0	3954.5	3971.2	3857.3	3688.5	3735.7	4249.1	5689.7	6229.5
50°	3701.7	3738.5	3868.4	4041.4	4120.6	4068.5	4153.2	4726.3	6135.0	6740.7
52.5°	3404.4	3441.9	3605.8	3879.5	4202.5	4366.5	4572.1	5196.5	6566.4	7224.9
55°	2974.4	3014.0	3224.5	3534.3	4046.2	4489.4	4921.5	5666.1	6961.6	7660.4
57.5°	2389.5	2418.7	2637.5	3071.0	3653.1	4367.1	5179.2	6178.7	7333.9	8088.3
60°	1557.4	1583.1	1837.3	2320.8	3001.5	3958.7	5230.6	6750.4	7828.5	8644.7
62.5°	1035.7	1053.1	1203.8	1558.8	2113.8	3174.5	4929.8	7206.8	8553.7	9613.0
65°	710.6	728.0	878.7	1126.0	1365.6	2099.9	4065.0	7146.4	9210.8	10382.0
67.5°	507.1	521.7	649.5	882.9	988.5	1219.8	2755.6	6373.9	9116.3	10411.1
70°	363.3	371.6	477.2	687.7	785.6	732.8	1532.4	4874.9	7982.0	9613.7
72.5°	254.2	257.0	331.3	523.8	632.8	534.9	729.4	3250.2	6037.0	7545.8
75°	172.3	175.7	223.0	384.1	507.8	408.4	386.2	1742.8	3544.0	4176.8
77.5°	105.6	107.0	143.8	262.6	380.0	311.2	248.7	738.4	1371.2	1346.2
80°	59.7	59.7	91.7	163.2	259.1	200.7	174.4	314.0	434.1	381.4
82.5°	33.3	34.0	66.7	101.4	171.6	118.8	95.9	145.2	187.6	166.0
85°	13.9	15.3	41.0	47.9	82.0	59.0	38.9	61.1	69.5	61.8
87.5°	1.4	2.1	12.5	9.0	9.7	11.8	5.6	11.8	9.7	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847225
 CATALOG NUMBER: GLAN-SB3B-722-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1598.3	0°	1598.3	1598.3	1598.3	1598.3	1598.3	1598.3	1598.3	1598.3	1598.3	1598.3
1622.0	2.5°	1608.8	1598.3	1572.0	1541.4	1501.1	1481.6	1455.3	1437.2	1421.9	1423.3
1662.3	5°	1640.0	1613.6	1554.6	1481.0	1389.3	1324.0	1254.5	1206.6	1167.7	1159.3
1717.8	7.5°	1683.1	1641.4	1537.9	1405.2	1250.3	1132.9	1028.1	960.7	912.7	897.5
1785.2	10°	1738.7	1678.2	1516.4	1310.1	1087.1	937.8	825.2	772.4	739.8	728.7
1864.4	12.5°	1803.3	1720.6	1487.9	1194.1	919.0	775.2	703.7	677.3	666.8	663.4
1961.6	15°	1884.5	1773.4	1444.8	1056.5	776.6	675.9	645.3	641.8	643.2	641.8
2078.3	17.5°	1981.1	1831.0	1374.7	914.8	680.7	625.2	614.1	616.8	620.3	619.6
2208.9	20°	2086.7	1888.0	1285.1	789.1	615.4	589.0	582.8	585.6	588.4	587.0
2359.7	22.5°	2206.8	1949.1	1185.7	691.2	571.7	555.7	548.8	549.5	549.5	546.7
2550.7	25°	2350.6	2016.5	1081.5	621.7	538.3	525.8	517.5	514.7	510.6	502.2
2782.7	27.5°	2522.2	2088.1	981.5	573.1	511.9	500.1	490.4	483.5	473.0	459.2
3061.2	30°	2715.3	2174.9	896.8	542.5	491.1	479.3	468.2	457.8	442.5	425.1
3381.5	32.5°	2942.5	2268.0	834.9	522.4	472.3	459.8	446.6	434.1	417.5	400.1
3741.3	35°	3213.4	2380.5	798.8	508.5	457.8	441.1	426.5	412.6	400.1	384.8
4132.4	37.5°	3507.2	2500.0	787.7	501.5	448.0	422.3	405.7	395.9	394.6	385.5
4555.4	40°	3828.8	2641.7	796.0	497.4	437.6	404.3	386.2	384.1	387.6	371.6
5007.6	42.5°	4169.2	2809.8	809.9	492.5	423.0	386.2	368.8	368.8	366.1	343.8
5485.5	45°	4537.3	3003.6	823.8	480.7	405.7	368.2	355.0	350.1	338.3	316.8
5966.2	47.5°	4908.3	3200.9	834.3	459.2	384.8	352.9	341.1	329.9	312.6	293.1
6437.8	50°	5260.4	3378.0	823.1	427.2	361.2	338.3	325.8	310.5	291.7	278.5
6884.5	52.5°	5575.1	3531.5	775.9	389.7	336.2	323.0	311.9	295.9	280.6	266.7
7287.4	55°	5848.8	3655.8	692.5	354.3	314.0	309.8	298.7	278.5	257.7	245.9
7686.8	57.5°	6111.4	3750.3	588.4	325.1	293.8	295.2	278.5	260.5	241.0	228.5
8225.1	60°	6460.8	3876.7	482.8	298.0	272.3	276.5	258.4	245.2	220.9	204.9
9148.3	62.5°	7019.3	4073.3	383.4	264.7	247.3	248.7	241.0	225.1	195.9	177.1
9832.5	65°	7462.4	4001.1	302.2	228.5	218.8	220.9	220.9	203.5	172.3	150.7
9869.3	67.5°	7412.4	3425.9	241.0	193.1	191.7	193.1	198.0	183.4	152.8	135.5
9117.7	70°	6828.2	2725.0	193.1	160.5	166.7	163.2	177.1	167.4	137.5	120.2
7068.6	72.5°	5571.6	1963.0	147.3	132.7	127.8	133.4	159.8	150.7	114.6	95.2
3744.1	75°	3255.7	1047.5	109.8	104.9	92.4	111.1	141.7	128.5	87.5	70.2
1147.5	77.5°	1060.0	365.4	80.6	77.1	68.8	89.6	120.9	108.4	71.5	55.6
336.2	80°	284.1	110.4	54.9	50.7	44.5	66.7	95.9	86.1	51.4	36.1
144.5	82.5°	113.9	46.5	32.0	28.5	24.3	45.8	75.7	69.5	38.2	22.9
45.2	85°	36.8	15.3	11.8	9.0	11.1	28.5	45.2	47.2	27.1	11.8
6.9	87.5°	4.9	2.1	2.1	2.8	2.1	4.9	13.9	13.2	7.6	1.4
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>
1598.3
1409.4
1140.6
882.2
720.3
661.3
641.1
618.2
586.3
545.3
500.8
457.8
423.7
400.8
383.4
384.8
372.3
343.8
316.1
292.4
276.5
265.3
244.5
227.1
202.8
175.7
148.7
132.7
118.1
93.1
68.1
53.5
35.4
22.9
9.0
0.0
0.0

F REPORT)