

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: P852327

Luminaire Tested: **GLAN-SB3A-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852327
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-SB3A-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13054 lumens
Efficiency: N/A
Efficacy: 154.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

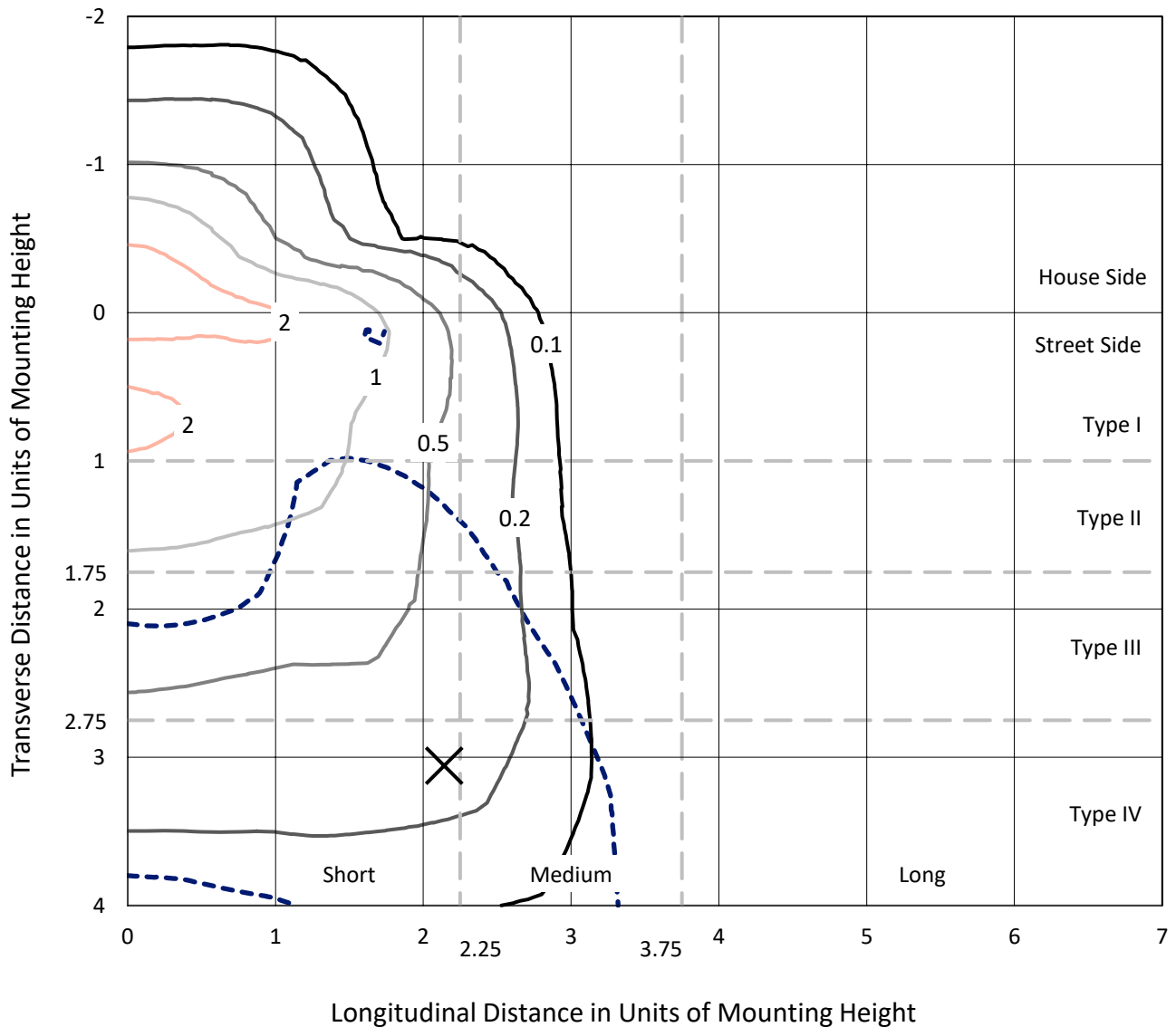
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852327
 CATALOG NUMBER: GLAN-SB3A-735-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

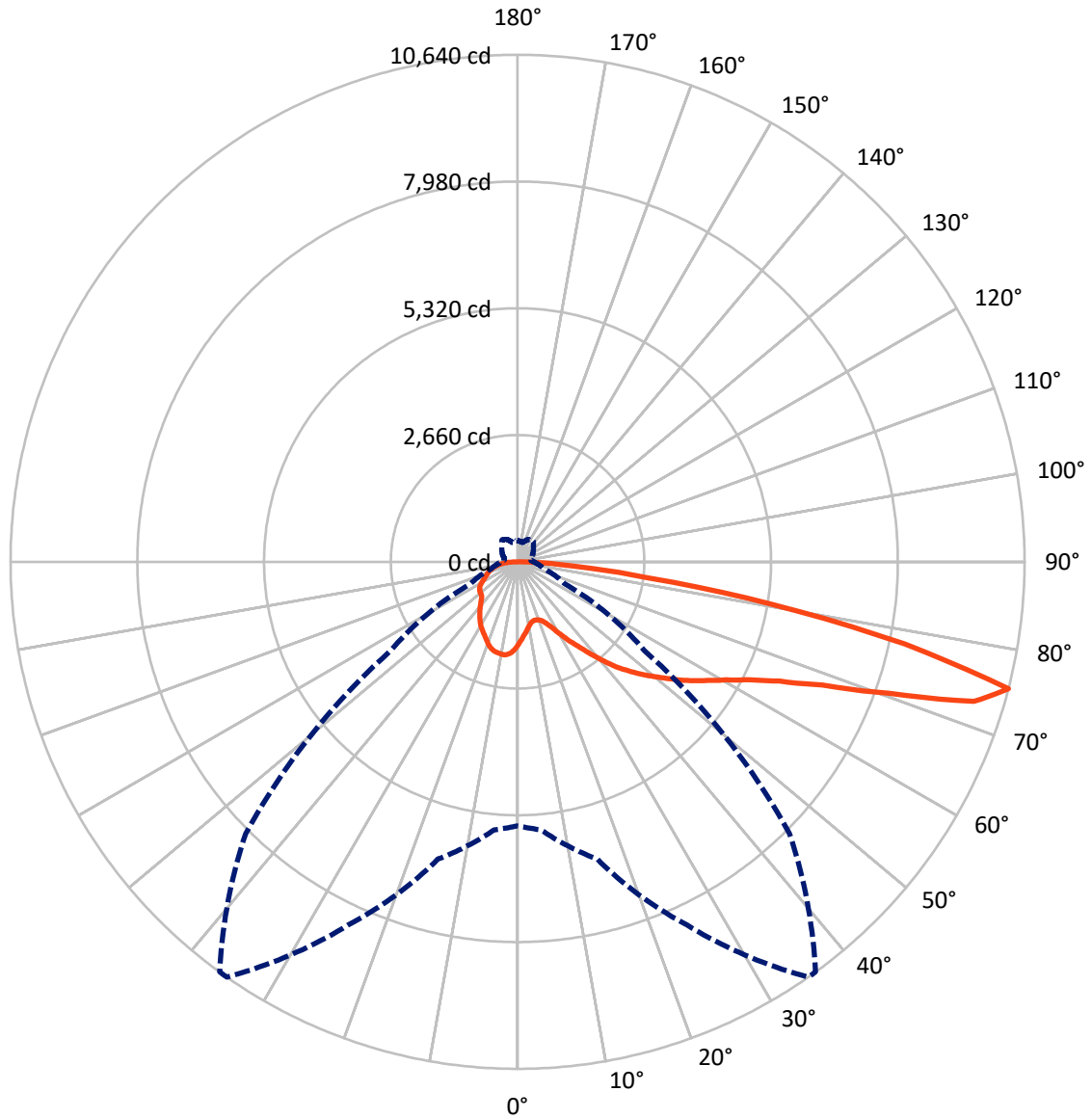
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P852327
CATALOG NUMBER: GLAN-SB3A-735-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852327
 CATALOG NUMBER: GLAN-SB3A-735-U-T4FT

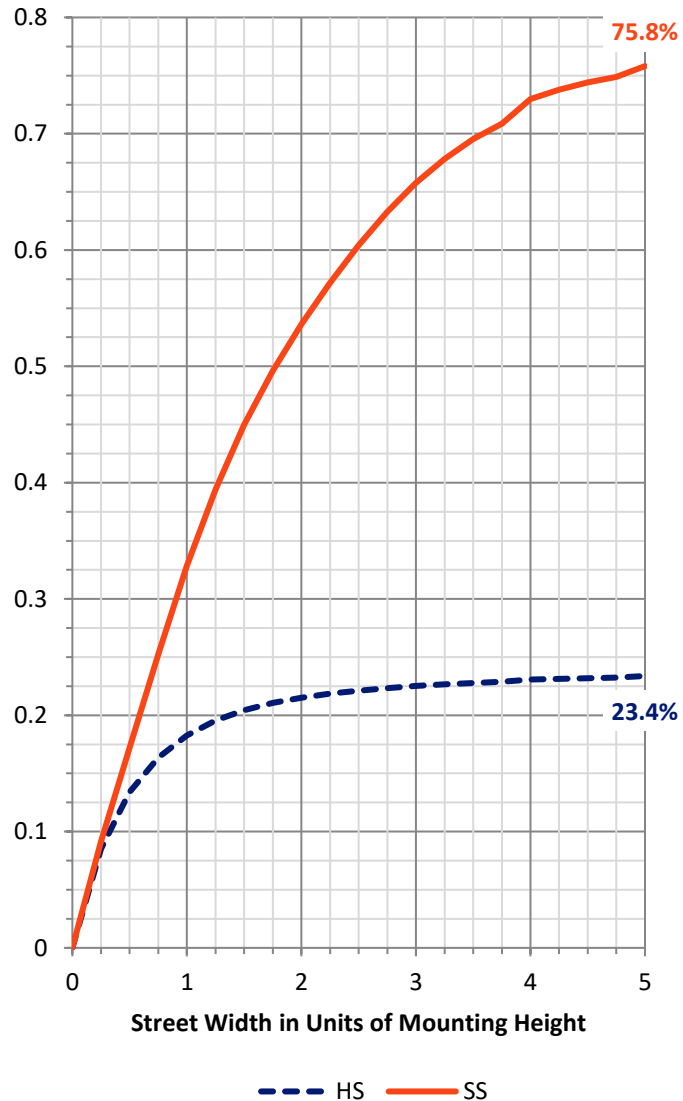
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3106.5	0.0	3106.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	9947.5	0.0	9947.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	13054.0	0.0	13054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	1.3
10°-20°	475.1	3.6
20°-30°	797.8	6.1
30°-40°	1239.8	9.5
40°-50°	1840.2	14.1
50°-60°	2540.5	19.5
60°-70°	3082.3	23.6
70°-80°	2547.3	19.5
80°-90°	366.4	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°	13054.0	100.0
0°-180°	13054.0	100.0

Coefficient of Utilization

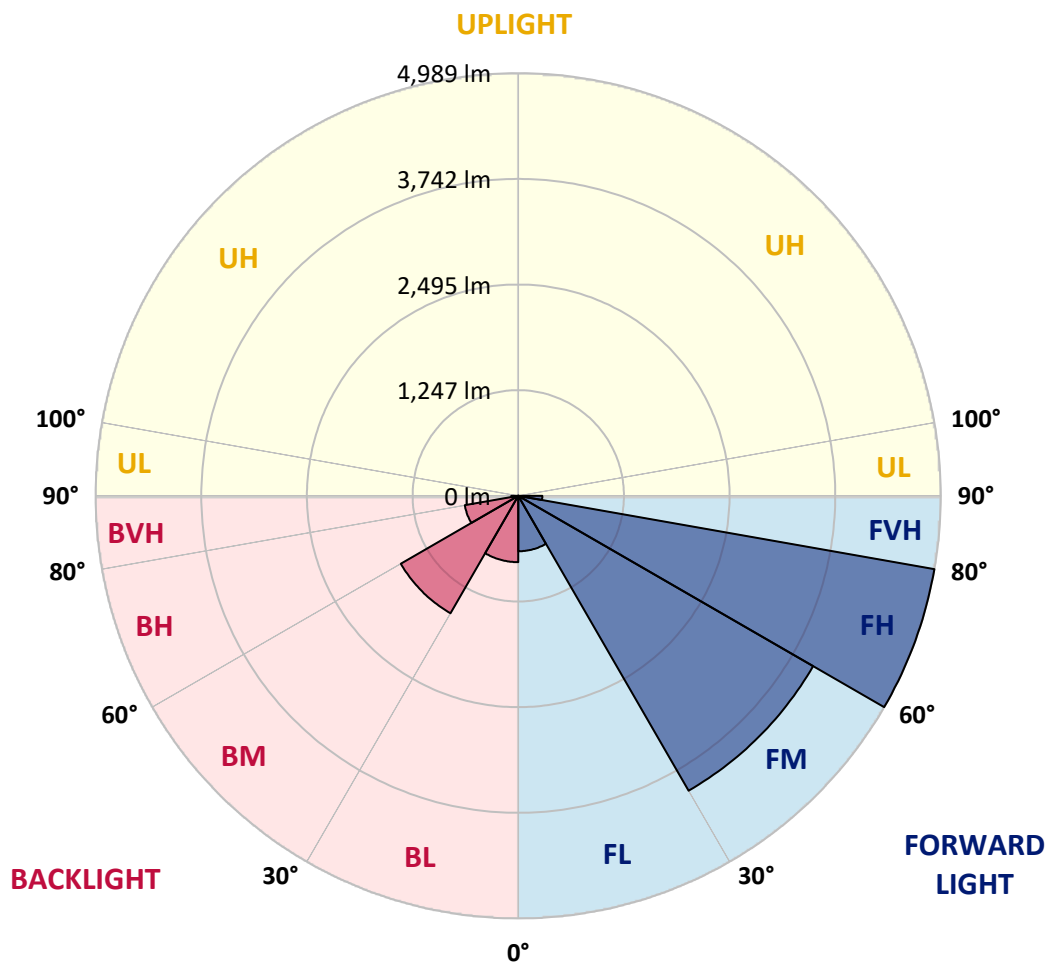


REPORT NUMBER: P852327
 CATALOG NUMBER: GLAN-SB3A-735-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	654.6	5.0			
FM	(30°-60°)	4019.9	30.8			
FH	(60°-80°)	4989.0	38.2			G2/5000
FVH	(80°-90°)	283.9	2.2			G3/500
BL	(0°-30°)	782.9	6.0	B2/1000		
BM	(30°-60°)	1600.7	12.3	B2/2500		
BH	(60°-80°)	640.5	4.9	B2/1000		G2/1000
BVH	(80°-90°)	82.5	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Short



REPORT NUMBER: P852327
 CATALOG NUMBER: GLAN-SB3A-735-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5
2.5°	1604.0	1613.9	1618.2	1616.0	1626.6	1625.2	1640.0	1658.4	1683.8	1708.5
5°	1480.5	1491.1	1500.3	1508.8	1529.2	1535.6	1558.9	1594.2	1640.7	1688.0
7.5°	1365.5	1374.7	1388.8	1404.3	1438.9	1445.3	1484.1	1539.1	1604.0	1673.2
10°	1271.7	1280.8	1295.7	1313.3	1356.3	1364.1	1413.5	1486.9	1571.6	1659.1
12.5°	1231.4	1234.3	1242.7	1260.4	1297.8	1302.7	1357.0	1441.0	1539.8	1648.5
15°	1229.3	1235.0	1235.7	1244.8	1275.9	1278.0	1328.1	1411.4	1520.1	1646.4
17.5°	1250.5	1254.7	1248.4	1254.0	1280.1	1283.7	1323.2	1397.3	1513.7	1655.6
20°	1306.9	1310.5	1291.4	1283.7	1302.7	1305.5	1344.3	1406.4	1520.1	1674.6
22.5°	1426.9	1429.0	1382.5	1350.7	1352.1	1353.5	1387.4	1443.8	1544.8	1709.2
25°	1613.9	1612.5	1538.4	1477.0	1441.7	1434.0	1456.6	1504.5	1586.4	1755.1
27.5°	1832.7	1822.1	1748.0	1656.3	1579.3	1568.1	1563.1	1583.6	1645.7	1815.7
30°	2079.7	2069.8	1990.1	1870.1	1763.5	1745.2	1698.6	1688.0	1733.9	1898.3
32.5°	2350.7	2344.3	2249.0	2103.7	1961.1	1940.0	1861.6	1833.4	1869.4	2023.2
35°	2577.9	2572.3	2493.2	2343.6	2169.3	2143.2	2063.4	2031.7	2050.0	2183.4
37.5°	2783.3	2780.4	2712.7	2594.8	2414.9	2383.1	2293.5	2282.9	2279.4	2394.4
40°	2973.8	2966.7	2896.2	2834.1	2700.7	2671.8	2592.7	2583.5	2556.7	2654.1
42.5°	3184.8	3166.4	3064.1	3035.2	2999.2	2975.2	2927.9	2929.3	2870.1	2947.0
45°	3357.0	3346.4	3241.2	3224.3	3263.1	3253.2	3294.2	3304.8	3189.7	3254.0
47.5°	3541.9	3532.0	3443.1	3431.1	3536.2	3539.1	3683.7	3687.2	3501.6	3572.9
50°	3769.8	3755.7	3667.5	3682.3	3800.2	3810.7	4075.4	4051.4	3788.9	3896.8
52.5°	3920.1	3928.6	3909.5	3933.5	4094.4	4104.3	4460.7	4399.3	4073.3	4216.5
55°	4030.9	4047.9	4107.1	4162.2	4404.9	4414.8	4824.1	4730.3	4309.0	4512.9
57.5°	4173.5	4149.5	4260.3	4367.5	4699.9	4726.0	5177.7	5049.2	4517.8	4768.4
60°	4378.1	4361.2	4447.3	4606.1	5030.2	5071.8	5551.7	5336.5	4671.0	4970.9
62.5°	4793.1	4750.7	4764.1	4904.6	5446.5	5501.6	5973.7	5587.0	4747.2	5049.9
65°	5413.4	5340.7	5272.9	5370.3	6033.0	6087.3	6450.0	5783.9	4719.0	4896.8
67.5°	6194.6	6122.6	6039.3	6131.1	6896.7	6939.8	7037.9	5894.7	4496.7	4306.8
70°	6838.9	6812.1	6911.6	7289.1	8276.4	8277.8	7791.6	5802.9	3887.7	3053.5
72.5°	6753.5	6737.3	7261.6	8428.8	10015.2	9977.8	8505.0	5108.5	2618.8	1377.5
75°	5540.4	5645.5	6457.8	8408.3	10639.7	10634.8	8068.2	3247.6	1083.2	570.9
77.5°	2971.0	3137.5	4192.5	6208.0	8306.0	8430.9	5672.4	1136.2	465.1	365.5
80°	968.9	1114.3	1671.1	3160.8	5397.1	5373.9	2431.1	446.0	318.3	259.0
82.5°	411.4	428.4	746.6	1492.5	2769.8	2726.8	774.1	256.2	223.7	177.1
85°	160.9	180.0	329.6	690.2	1199.7	1173.6	279.5	127.0	143.3	115.7
87.5°	52.9	64.2	117.9	236.4	373.3	359.9	68.5	43.8	62.1	52.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852327
 CATALOG NUMBER: GLAN-SB3A-735-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1739.5	0°	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5	1739.5
1744.5	2.5°	1754.4	1765.6	1779.1	1798.8	1815.7	1829.9	1844.7	1853.9	1857.4	1868.0
1747.3	5°	1767.1	1791.8	1824.9	1857.4	1889.1	1908.2	1925.1	1933.6	1941.4	1947.0
1755.1	7.5°	1788.2	1820.0	1872.2	1914.5	1941.4	1956.9	1968.2	1965.4	1968.2	1969.6
1763.5	10°	1806.6	1851.0	1913.1	1953.4	1973.8	1974.5	1971.7	1961.8	1956.9	1957.6
1776.2	12.5°	1828.5	1877.8	1944.9	1978.8	1984.4	1968.9	1956.9	1940.0	1933.6	1930.8
1795.3	15°	1858.1	1914.5	1979.5	1992.2	1978.1	1958.3	1937.8	1910.3	1896.2	1884.9
1827.7	17.5°	1894.1	1956.2	2006.3	1997.1	1966.8	1934.3	1901.1	1859.5	1830.6	1818.6
1872.2	20°	1944.2	1999.9	2026.8	1986.5	1940.7	1891.3	1834.8	1784.0	1757.2	1745.2
1928.7	22.5°	2004.9	2058.5	2046.5	1968.2	1903.3	1824.2	1753.6	1716.2	1702.8	1694.4
2001.3	25°	2077.6	2123.4	2060.6	1941.4	1841.9	1735.3	1681.0	1669.0	1662.6	1656.3
2090.3	27.5°	2172.1	2196.8	2071.2	1901.8	1745.9	1640.7	1621.0	1623.1	1621.0	1610.4
2213.8	30°	2297.0	2292.1	2081.1	1837.6	1635.8	1555.3	1556.8	1565.9	1567.3	1560.3
2385.9	32.5°	2461.5	2411.4	2086.0	1754.4	1530.6	1480.5	1482.0	1491.8	1498.9	1486.9
2611.1	35°	2660.5	2550.4	2078.3	1649.9	1449.5	1409.3	1398.7	1401.5	1403.6	1392.3
2884.2	37.5°	2892.6	2706.3	2043.7	1534.2	1382.5	1339.4	1316.8	1297.8	1286.5	1275.9
3193.3	40°	3147.4	2876.4	1980.2	1421.3	1307.6	1265.3	1231.4	1195.4	1157.3	1143.2
3520.7	42.5°	3414.1	3051.4	1903.3	1313.3	1221.6	1187.0	1151.0	1098.8	1041.6	1012.7
3860.8	45°	3690.8	3230.7	1827.7	1206.7	1133.3	1118.5	1076.9	1014.1	952.0	915.3
4201.7	47.5°	3961.8	3400.0	1717.0	1099.5	1050.8	1067.0	1034.5	976.7	907.5	849.7
4539.7	50°	4220.8	3558.8	1535.6	990.8	983.7	1051.5	1020.4	937.2	858.1	784.0
4871.4	52.5°	4477.6	3687.2	1303.4	892.0	947.7	1047.2	1002.1	910.3	813.7	736.0
5183.3	55°	4695.7	3753.6	1079.7	807.3	895.5	1011.3	980.2	878.6	750.9	668.3
5397.1	57.5°	4819.9	3699.9	893.4	724.0	823.5	952.0	942.8	810.8	676.1	612.5
5438.8	60°	4766.3	3482.6	741.0	651.4	755.1	887.8	877.9	743.8	618.9	558.9
5215.8	62.5°	4470.6	3068.4	620.3	587.8	693.0	822.1	813.0	692.3	575.1	517.3
4623.7	65°	3875.0	2496.0	526.4	534.9	630.2	743.1	756.5	649.2	540.6	484.1
3577.2	67.5°	2955.4	1808.0	453.1	489.0	568.8	665.5	704.3	618.2	511.6	458.0
2069.8	70°	1684.5	1026.8	391.0	444.6	514.5	593.5	664.1	593.5	480.6	436.1
775.6	72.5°	638.7	471.4	338.0	400.1	462.2	532.8	619.6	554.7	444.6	411.4
400.8	75°	340.8	287.2	284.4	347.9	402.2	473.5	563.8	516.6	417.8	434.7
277.3	77.5°	232.2	203.2	237.8	297.8	336.6	407.9	504.6	458.7	362.0	360.6
191.9	80°	160.9	144.0	193.4	239.9	260.4	343.0	440.4	393.8	295.0	275.2
118.6	82.5°	96.7	93.9	144.7	179.2	184.2	264.6	364.8	330.3	241.3	210.3
70.6	85°	52.9	55.7	92.4	105.1	107.3	184.9	285.8	255.5	185.6	156.0
25.4	87.5°	14.8	19.1	33.9	41.6	51.5	96.0	170.1	151.7	93.2	64.9
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°
1739.5
1867.3
1948.4
1971.7
1959.0
1929.4
1888.4
1819.3
1743.8
1695.8
1656.3
1612.5
1563.8
1492.5
1400.1
1283.0
1149.6
1016.2
912.5
843.3
777.7
727.6
661.2
604.1
550.4
508.1
474.9
449.5
430.5
405.8
448.8
332.4
263.2
211.7
157.4
64.9
0.0

F REPORT)