

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: P847736

Luminaire Tested: **GLAN-SB4A-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847736
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-SB4A-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13930 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

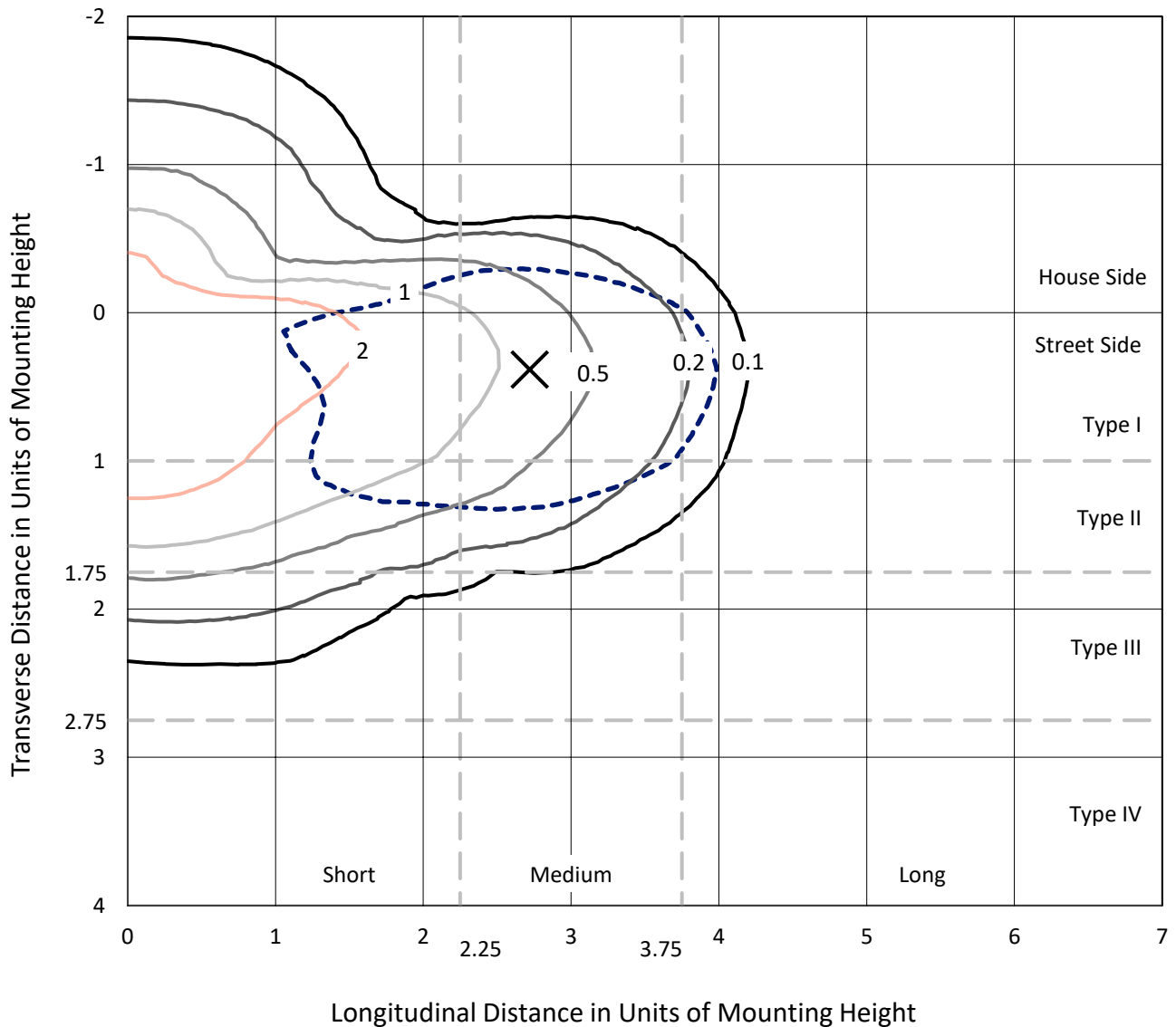
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847736
 CATALOG NUMBER: GLAN-SB4A-722-U-T2

Iso-Footcandle Lines of Horizontal Illumination

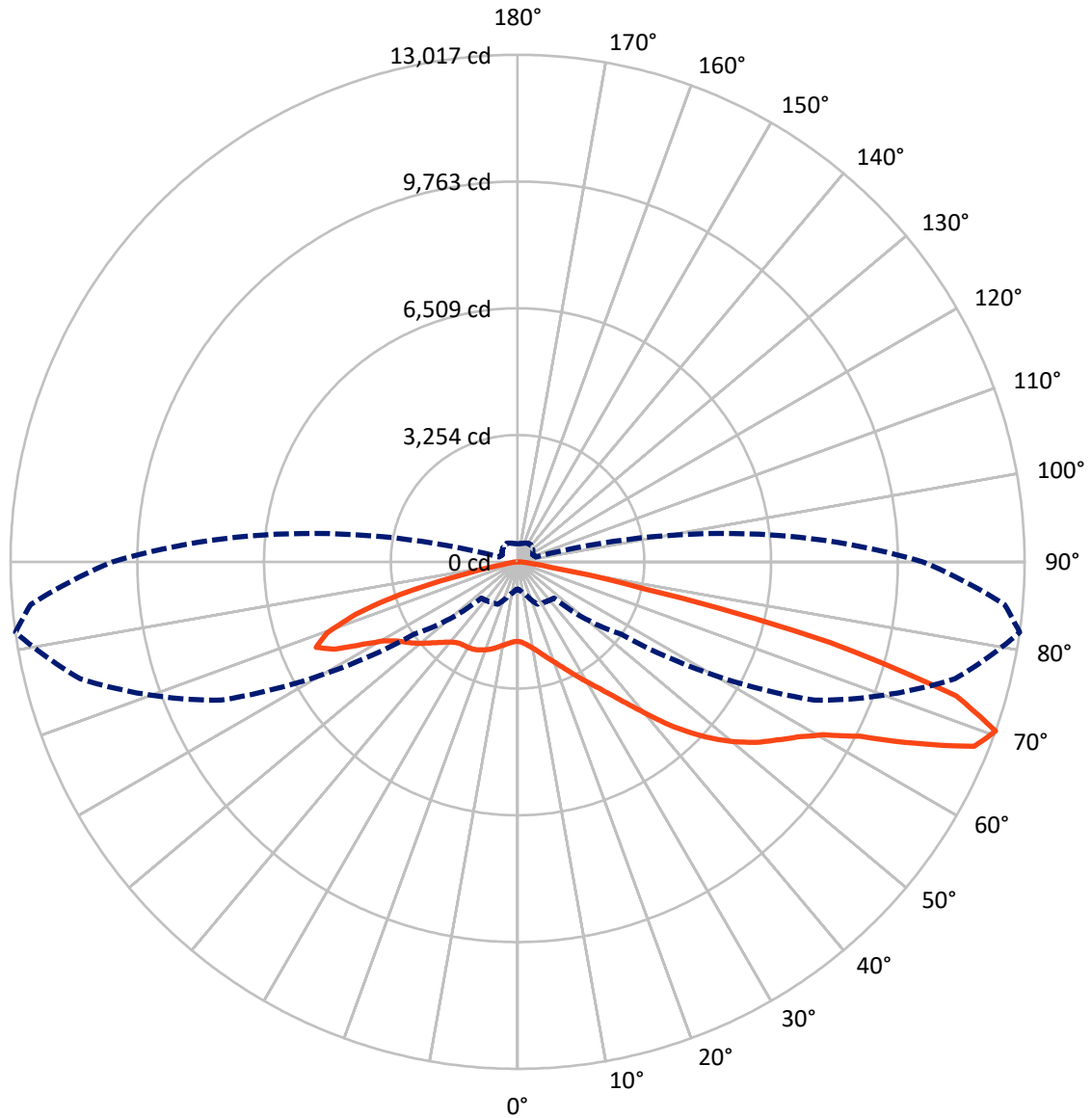
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P847736
CATALOG NUMBER: GLAN-SB4A-722-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847736
 CATALOG NUMBER: GLAN-SB4A-722-U-T2

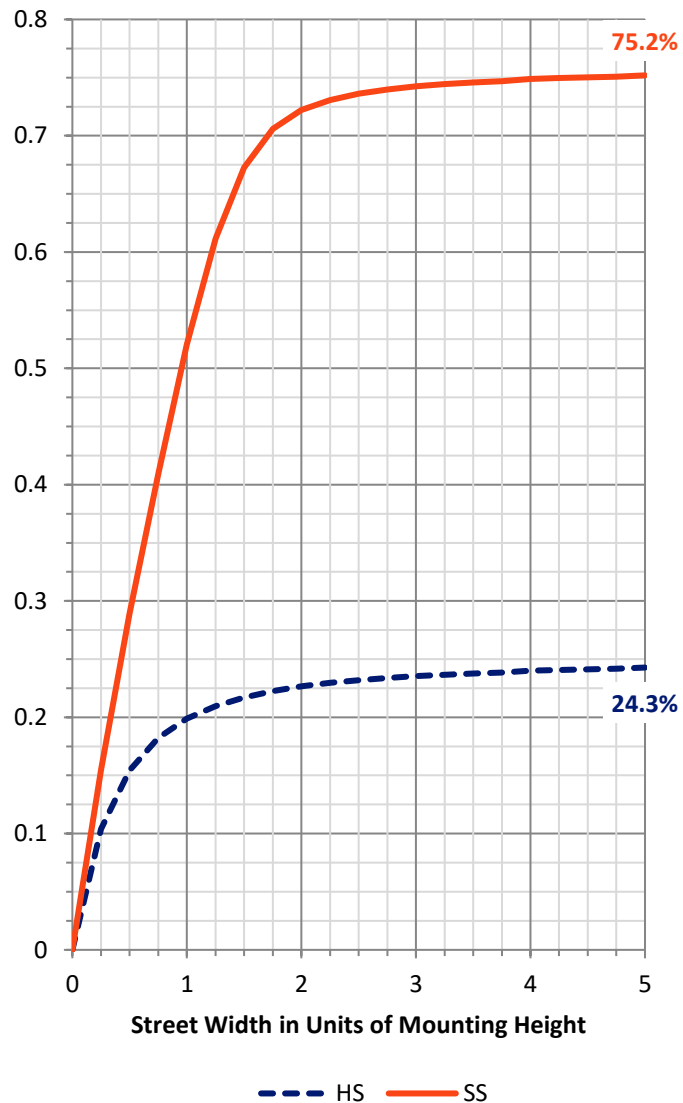
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3434.1	0.0	3434.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	10495.9	0.0	10495.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	13930.0	0.0	13930.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.8	1.4
10°-20°	554.0	4.0
20°-30°	926.8	6.7
30°-40°	1447.9	10.4
40°-50°	2306.0	16.6
50°-60°	3209.0	23.0
60°-70°	3356.8	24.1
70°-80°	1754.4	12.6
80°-90°	182.2	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°	13930.0	100.0
0°-180°	13930.0	100.0

Coefficient of Utilization

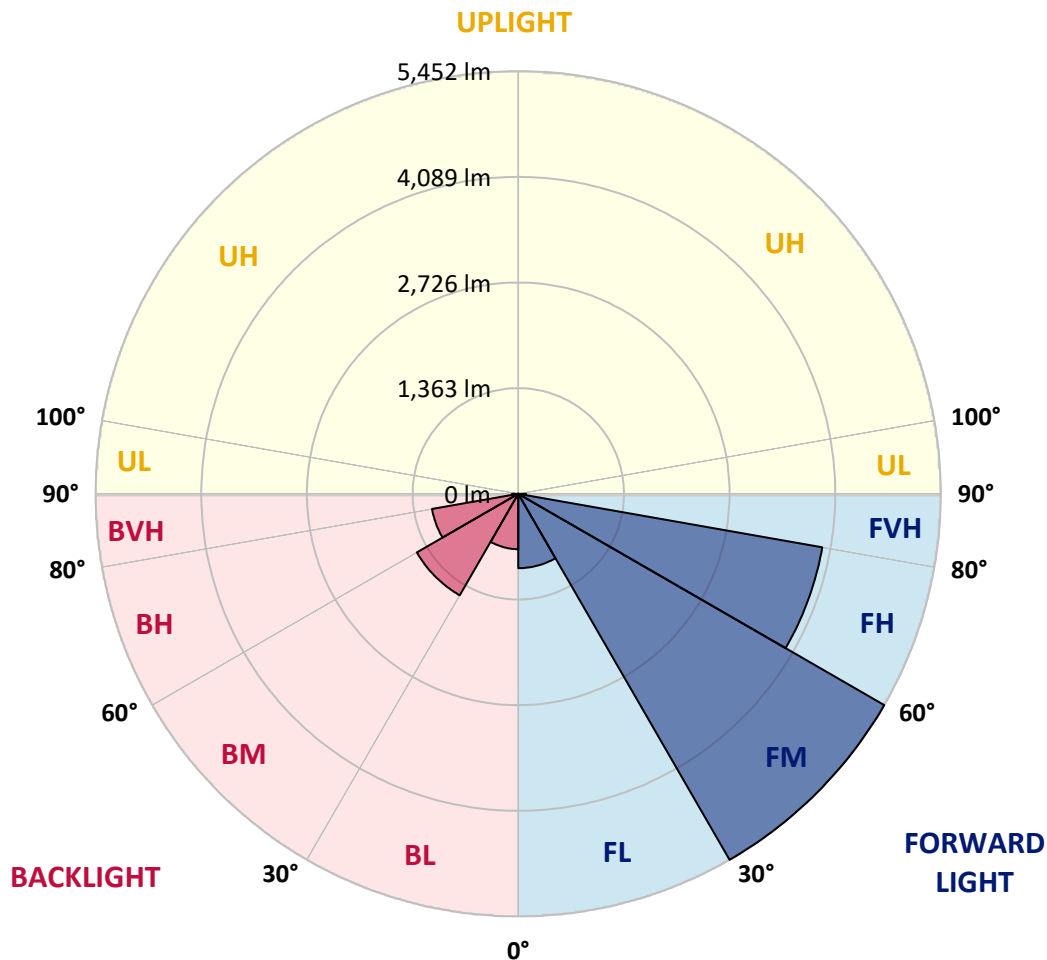


REPORT NUMBER: P847736
 CATALOG NUMBER: GLAN-SB4A-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	959.2	6.9			
FM (30°-60°)	5452.1	39.1			
FH (60°-80°)	3982.6	28.6			G2/5000
FVH (80°-90°)	102.0	0.7			G2/225
BL (0°-30°)	714.4	5.1	B2/1000		
BM (30°-60°)	1510.9	10.8	B2/2500		
BH (60°-80°)	1128.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	80.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



REPORT NUMBER: P847736
 CATALOG NUMBER: GLAN-SB4A-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2042.3	2042.3	2042.3	2042.3	2042.3	2042.3	2042.3	2042.3	2042.3	2042.3
2.5°	2091.1	2102.9	2099.2	2095.5	2095.5	2090.4	2089.6	2082.2	2076.3	2066.7
5°	2117.7	2130.3	2128.8	2131.8	2141.4	2143.6	2145.8	2141.4	2129.5	2117.7
7.5°	2094.1	2108.1	2112.5	2130.3	2159.8	2186.4	2206.4	2214.5	2203.5	2186.4
10°	2014.2	2029.7	2045.3	2087.4	2139.9	2202.7	2255.9	2287.7	2285.5	2269.2
12.5°	1852.3	1868.6	1901.9	1983.9	2080.0	2190.9	2289.9	2356.5	2379.4	2367.5
15°	1723.0	1737.0	1762.2	1846.4	1971.4	2139.9	2302.5	2431.9	2490.2	2483.6
17.5°	1719.3	1725.2	1740.7	1780.6	1876.7	2060.1	2289.2	2505.8	2617.4	2616.6
20°	1784.3	1786.6	1795.4	1803.6	1858.3	1999.4	2255.2	2567.1	2760.0	2760.0
22.5°	1874.5	1873.0	1881.9	1874.5	1901.1	1994.3	2233.8	2621.1	2919.0	2930.8
25°	2009.8	2002.4	2000.2	1983.2	1988.4	2042.3	2257.4	2682.4	3107.4	3131.8
27.5°	2190.1	2178.3	2170.2	2131.0	2117.7	2141.4	2329.8	2756.3	3317.4	3359.5
30°	2425.2	2403.8	2391.9	2323.9	2275.9	2279.6	2439.2	2854.7	3536.9	3604.9
32.5°	2746.0	2712.7	2681.0	2569.3	2481.4	2452.5	2580.4	2990.7	3774.9	3883.6
35°	3105.2	3078.6	3044.6	2872.4	2737.1	2670.6	2771.1	3180.6	4053.6	4225.8
37.5°	3451.2	3428.2	3444.5	3212.4	3038.0	2941.1	3021.0	3435.6	4397.3	4651.6
40°	3808.9	3791.2	3793.4	3571.6	3368.4	3259.7	3324.0	3755.7	4791.3	5157.9
42.5°	4197.7	4184.4	4140.1	3943.4	3715.0	3613.8	3672.9	4125.3	5214.1	5734.4
45°	4633.1	4625.0	4583.6	4358.1	4096.5	3982.6	4062.4	4533.3	5639.1	6277.0
47.5°	5009.3	5016.0	5010.8	4820.8	4549.6	4382.5	4477.9	4959.1	6034.5	6787.0
50°	5190.4	5225.2	5276.2	5217.0	5048.5	4878.5	4897.0	5370.0	6411.5	7265.3
52.5°	5095.8	5161.6	5300.6	5395.2	5460.2	5424.7	5375.2	5778.1	6766.3	7696.9
55°	4743.2	4835.6	5066.2	5294.6	5626.5	5884.5	5949.5	6230.4	7112.2	8076.9
57.5°	4100.9	4250.9	4457.9	4919.9	5478.7	6107.0	6619.2	6858.0	7478.9	8482.7
60°	2999.5	3200.6	3457.8	4145.2	4961.3	5988.0	7189.1	7821.8	8000.0	9008.2
62.5°	1919.6	2043.8	2280.3	2927.8	3865.8	5378.2	7363.6	9026.7	8883.3	9870.1
65°	1314.2	1394.1	1610.6	1974.3	2499.1	4003.3	6896.4	9929.9	10286.2	11236.0
67.5°	955.0	1015.6	1200.4	1519.0	1628.4	2369.0	5351.6	9888.5	11650.0	12643.4
70°	696.3	739.2	894.4	1200.4	1252.9	1317.9	3242.0	8405.8	11620.4	13017.4
72.5°	515.9	545.5	649.7	931.3	1014.1	890.0	1604.7	6109.2	9985.4	11774.2
75°	373.3	395.5	472.3	712.6	811.6	677.8	800.5	3570.2	6965.1	8282.3
77.5°	285.3	302.3	352.6	521.9	649.7	508.5	496.7	1642.4	3302.6	3318.8
80°	229.1	240.2	267.6	367.4	498.2	380.7	323.8	663.0	1043.7	883.3
82.5°	168.5	187.0	226.2	258.0	356.3	262.4	197.4	334.8	396.9	341.5
85°	96.1	108.7	136.7	184.8	227.7	160.4	113.1	148.6	184.8	151.5
87.5°	34.0	44.3	48.0	72.4	99.0	66.5	43.6	42.9	60.6	45.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847736
 CATALOG NUMBER: GLAN-SB4A-722-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2042.3	0°	2042.3	2042.3	2042.3	2042.3	2042.3	2042.3	2042.3	2042.3	2042.3	2042.3
2064.5	2.5°	2057.1	2053.4	2038.6	2018.7	1998.0	1978.0	1971.4	1957.3	1947.7	1942.5
2112.5	5°	2098.5	2086.7	2051.9	2007.6	1961.0	1910.7	1875.3	1842.7	1819.1	1796.9
2178.3	7.5°	2157.6	2136.9	2077.1	1999.4	1916.7	1833.1	1771.0	1723.7	1691.9	1671.3
2255.2	10°	2226.4	2194.6	2102.9	1986.9	1859.0	1739.3	1666.1	1625.4	1605.5	1594.4
2343.2	12.5°	2305.5	2260.4	2129.5	1958.0	1771.0	1634.3	1584.0	1572.2	1572.9	1573.7
2454.0	15°	2403.0	2340.2	2151.0	1895.2	1656.5	1553.7	1544.9	1564.1	1584.0	1593.6
2579.7	17.5°	2513.2	2424.5	2154.7	1791.7	1544.1	1502.0	1530.1	1571.5	1601.8	1615.1
2720.1	20°	2631.4	2510.2	2128.1	1645.4	1451.7	1459.9	1510.1	1563.3	1596.6	1613.6
2880.5	22.5°	2766.7	2601.9	2064.5	1491.6	1376.3	1414.0	1473.2	1524.9	1559.6	1576.6
3069.0	25°	2921.2	2704.6	1964.7	1362.3	1311.3	1362.3	1421.4	1464.3	1492.4	1507.9
3279.7	27.5°	3092.7	2811.8	1831.7	1259.5	1254.4	1309.1	1357.8	1391.1	1405.9	1417.7
3503.6	30°	3264.9	2909.4	1670.5	1181.9	1204.8	1256.6	1291.3	1306.1	1310.5	1312.8
3753.5	32.5°	3451.2	2993.6	1501.2	1117.6	1157.5	1205.6	1226.3	1232.9	1212.2	1198.2
4056.5	35°	3676.6	3083.8	1335.7	1066.6	1111.0	1152.4	1159.0	1153.1	1128.7	1099.9
4436.5	37.5°	3955.3	3196.1	1203.4	1030.4	1067.4	1094.7	1086.6	1085.1	1087.3	1053.3
4893.3	40°	4296.8	3342.5	1106.5	1002.3	1031.9	1037.8	1014.9	1027.4	1038.5	986.8
5394.4	42.5°	4676.0	3519.2	1045.2	983.1	1002.3	988.3	952.8	966.8	965.3	897.3
5897.8	45°	5062.5	3711.3	1023.7	969.0	975.0	946.9	907.7	911.4	880.3	819.0
6380.5	47.5°	5446.9	3917.6	1037.0	957.2	941.0	909.2	878.9	862.6	816.8	770.9
6843.2	50°	5823.9	4134.1	1085.8	933.6	894.4	875.9	853.7	824.9	776.1	736.9
7280.8	52.5°	6173.5	4352.2	1140.5	894.4	836.0	847.1	833.0	799.8	751.7	711.8
7694.7	55°	6504.6	4570.3	1162.0	840.4	781.3	822.0	813.8	752.5	694.8	662.3
8127.9	57.5°	6865.4	4832.7	1138.3	771.7	736.9	793.1	762.1	694.1	660.8	636.4
8691.8	60°	7365.0	5244.4	1087.3	686.7	694.8	750.3	697.0	668.9	632.7	605.4
9537.4	62.5°	8195.1	6012.4	1005.3	602.4	645.3	686.7	666.0	637.9	600.9	574.3
10983.2	65°	9422.1	7079.7	850.8	536.6	589.9	624.6	632.7	604.6	566.2	538.1
12250.2	67.5°	10457.0	7749.4	643.8	481.9	532.9	574.3	597.2	569.9	529.2	501.9
12546.6	70°	10400.0	7263.0	491.5	428.0	482.7	524.8	554.4	532.9	489.3	463.5
11396.4	72.5°	9237.3	6075.9	397.7	373.3	431.7	473.1	508.5	492.3	447.9	422.8
8348.9	75°	6786.3	4313.0	317.8	317.8	368.1	419.1	458.3	447.9	407.3	389.5
3505.1	77.5°	2860.6	1809.5	249.1	263.9	306.0	360.0	408.8	412.5	377.0	399.1
926.9	80°	760.6	498.9	190.0	207.7	240.2	297.1	355.5	354.1	315.6	294.9
344.5	82.5°	289.8	196.6	135.3	146.4	173.7	227.7	281.6	290.5	252.1	218.1
135.3	85°	111.6	84.3	83.5	88.0	101.3	150.8	212.9	220.3	190.0	161.1
37.7	87.5°	28.8	25.1	31.0	29.6	46.6	80.6	122.0	126.4	116.0	67.3
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°
2042.3
1948.4
1805.8
1675.7
1597.3
1575.2
1592.9
1618.0
1618.0
1581.1
1512.3
1422.2
1317.9
1202.6
1101.4
1055.5
988.3
896.6
821.2
770.9
734.0
712.6
659.3
634.2
603.9
574.3
539.6
502.6
465.7
422.8
384.4
362.2
274.2
218.1
166.3
96.1
0.0

F REPORT)