

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: McGRAW-EDISON

Report Number: P941559

Luminaire Tested: **GALN-SB5A-927-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB5A-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

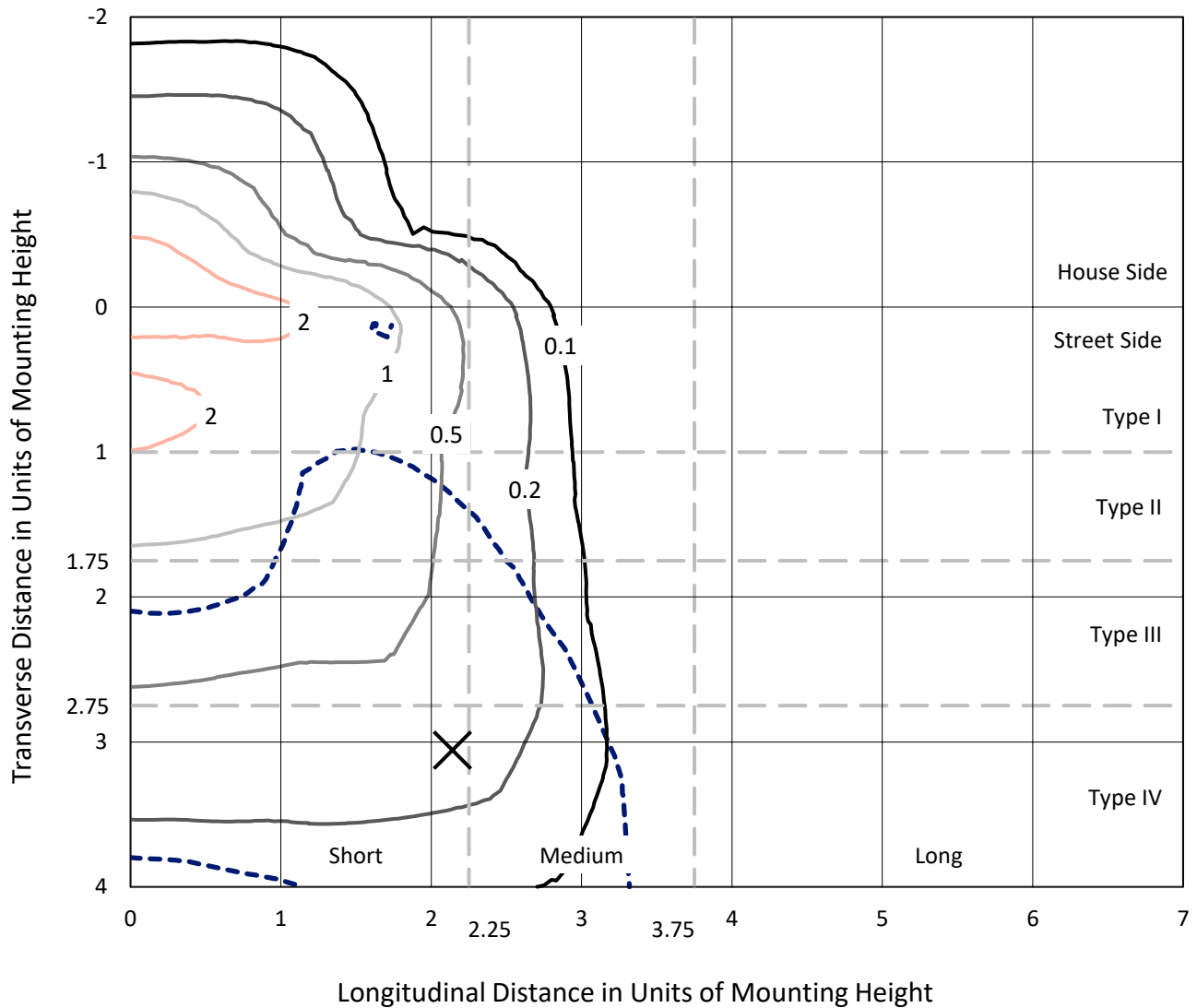
Lumens per Lamp: N/A  
Luminaire Lumens: 13632 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P941559  
 CATALOG NUMBER: GALN-SB5A-927-U-T4FT

### Iso-Footcandle Lines of Horizontal Illumination

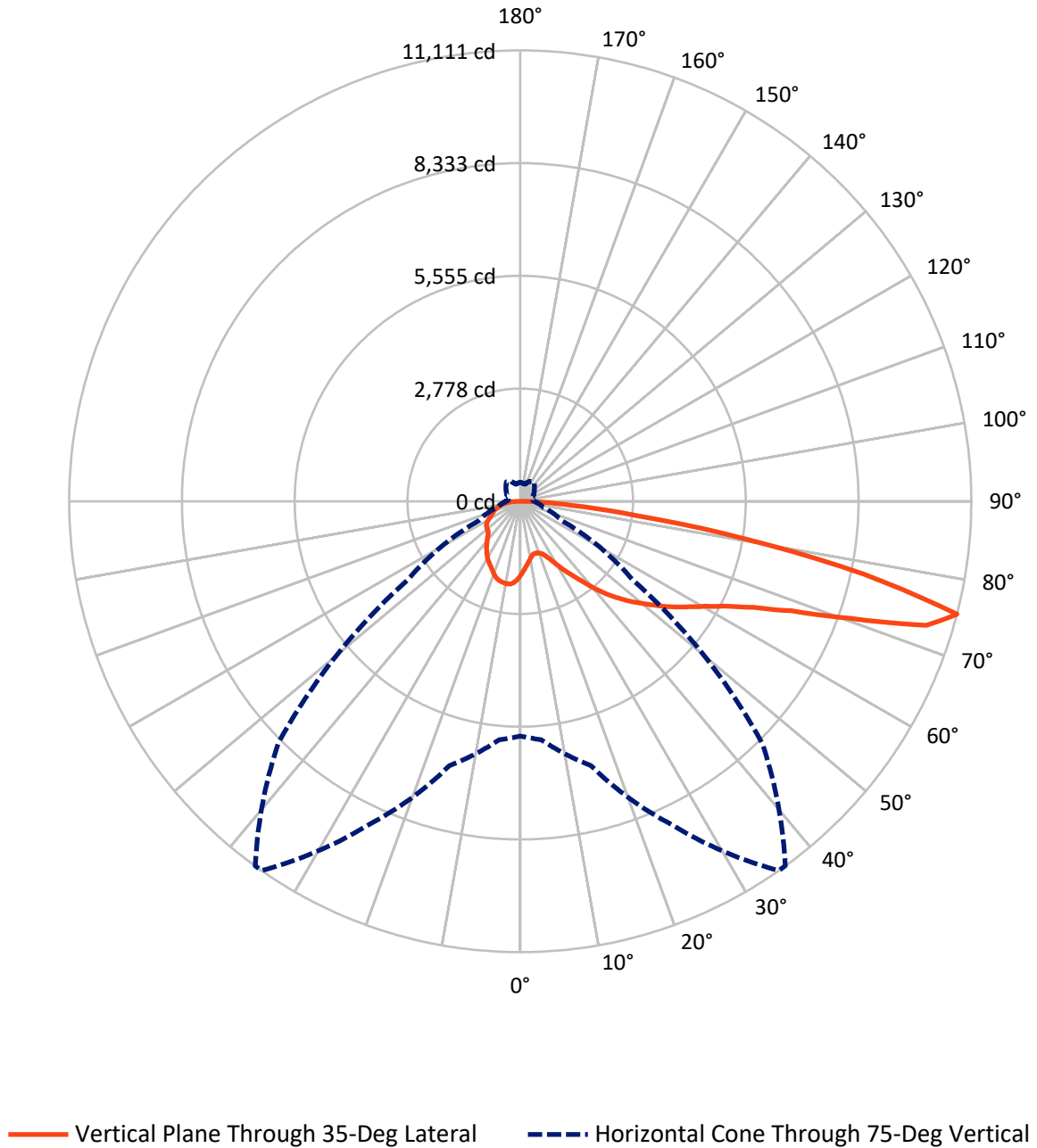
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P941559  
CATALOG NUMBER: GALN-SB5A-927-U-T4FT

### Luminous Intensity Polar Plot



REPORT NUMBER: P941559  
 CATALOG NUMBER: GALN-SB5A-927-U-T4FT

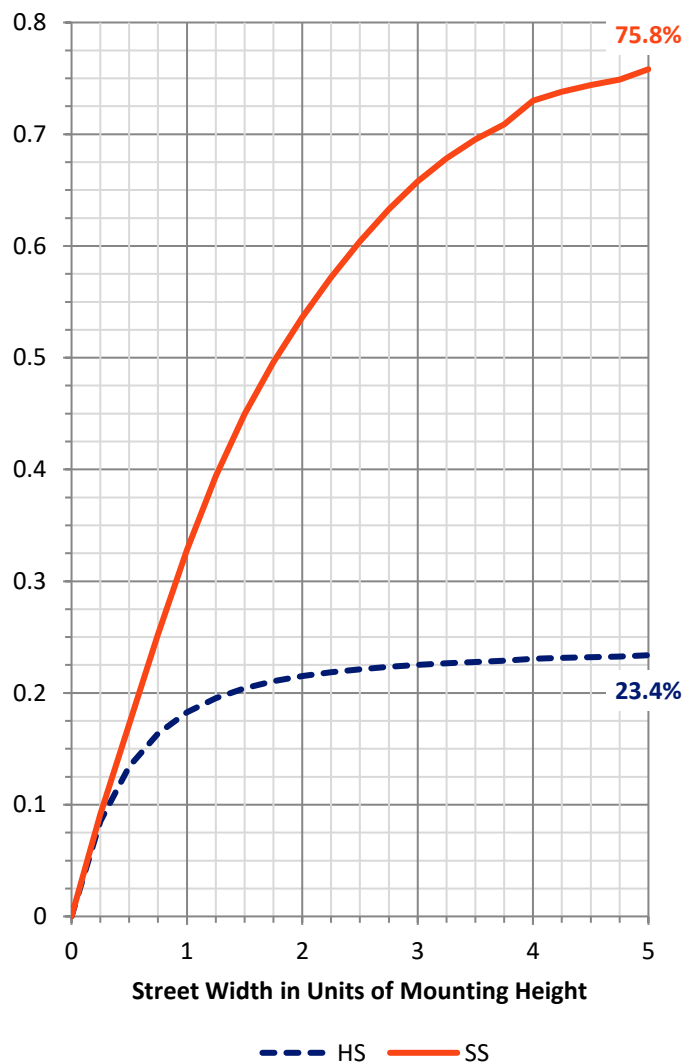
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3244.1	0.0	3244.1
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	10387.9	0.0	10387.9
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	13632.0	0.0	13632.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.0	1.3
10°-20°	496.1	3.6
20°-30°	833.1	6.1
30°-40°	1294.7	9.5
40°-50°	1921.7	14.1
50°-60°	2653.0	19.5
60°-70°	3218.7	23.6
70°-80°	2660.0	19.5
80°-90°	382.6	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°	13632.0	100.0
0°-180°	13632.0	100.0

**Coefficient of Utilization**



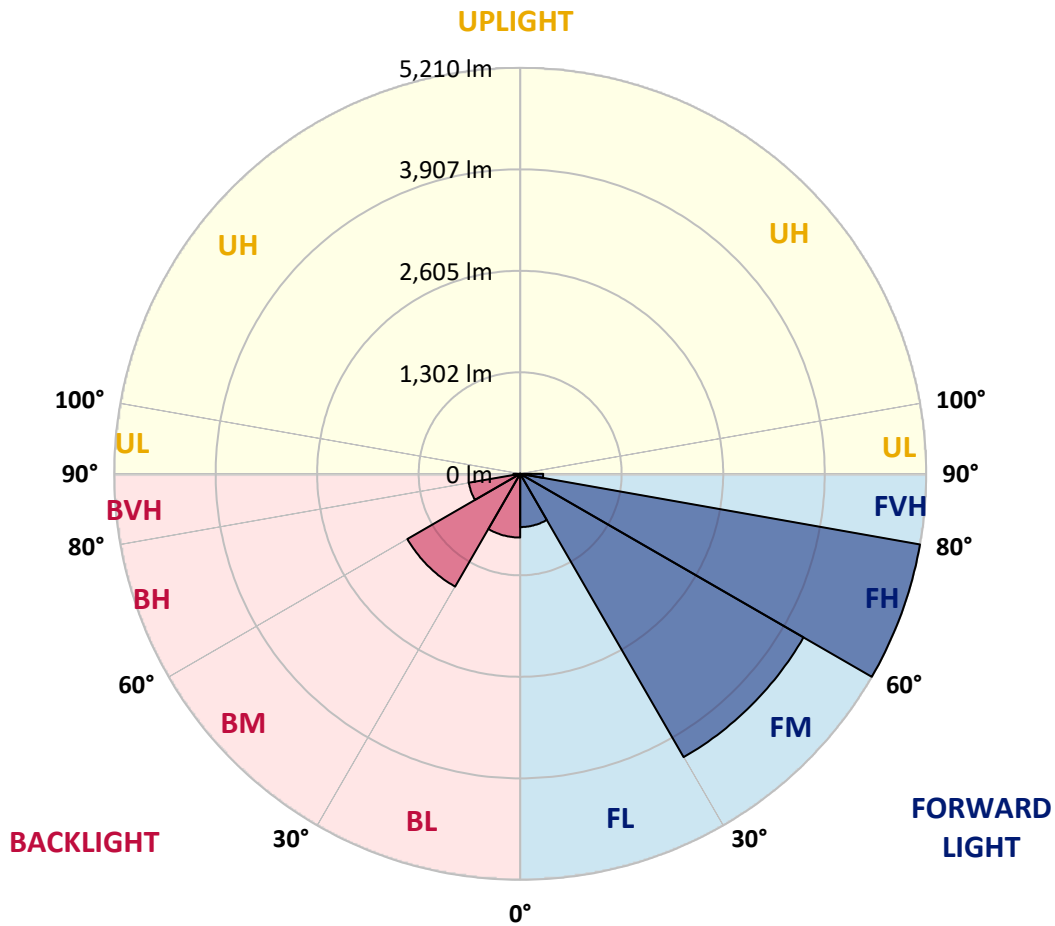
REPORT NUMBER: P941559  
 CATALOG NUMBER: GALN-SB5A-927-U-T4FT

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	683.6	5.0			
FM (30°-60°)	4197.9	30.8			
FH (60°-80°)	5209.9	38.2			G3/7500
FVH (80°-90°)	296.4	2.2			G3/500
BL (0°-30°)	817.6	6.0	B2/1000		
BM (30°-60°)	1671.5	12.3	B2/2500		
BH (60°-80°)	668.8	4.9	B2/1000		G2/1000
BVH (80°-90°)	86.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



REPORT NUMBER: P941559

CATALOG NUMBER: GALN-SB5A-927-U-T4FT

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1816.6	1816.6	1816.6	1816.6	1816.6	1816.6	1816.6	1816.6	1816.6	1816.6
2.5°	1675.1	1685.4	1689.8	1687.6	1698.6	1697.2	1712.6	1731.8	1758.3	1784.1
5°	1546.1	1557.2	1566.7	1575.6	1596.9	1603.6	1627.9	1664.7	1713.4	1762.8
7.5°	1426.0	1435.6	1450.3	1466.5	1502.6	1509.3	1549.8	1607.3	1675.1	1747.3
10°	1328.0	1337.5	1353.0	1371.4	1416.4	1424.5	1476.1	1552.7	1641.2	1732.5
12.5°	1286.0	1288.9	1297.8	1316.2	1355.2	1360.4	1417.1	1504.8	1608.0	1721.5
15°	1283.7	1289.6	1290.4	1300.0	1332.4	1334.6	1386.9	1473.9	1587.4	1719.3
17.5°	1305.9	1310.3	1303.6	1309.5	1336.8	1340.5	1381.8	1459.1	1580.7	1728.9
20°	1364.8	1368.5	1348.6	1340.5	1360.4	1363.3	1403.9	1468.7	1587.4	1748.8
22.5°	1490.1	1492.3	1443.7	1410.5	1412.0	1413.5	1448.8	1507.8	1613.2	1784.9
25°	1685.4	1683.9	1606.5	1542.4	1505.6	1497.5	1521.0	1571.2	1656.6	1832.8
27.5°	1913.8	1902.8	1825.4	1729.6	1649.3	1637.5	1632.3	1653.7	1718.5	1896.1
30°	2171.8	2161.4	2078.2	1952.9	1841.6	1822.5	1773.8	1762.8	1810.7	1982.4
32.5°	2454.7	2448.1	2348.6	2196.8	2048.0	2025.8	1944.0	1914.6	1952.2	2112.8
35°	2692.0	2686.1	2603.6	2447.4	2265.4	2238.1	2154.8	2121.6	2140.8	2280.1
37.5°	2906.5	2903.5	2832.8	2709.7	2521.8	2488.6	2395.1	2384.0	2380.3	2500.4
40°	3105.5	3098.1	3024.4	2959.5	2820.3	2790.1	2707.5	2697.9	2669.9	2771.6
42.5°	3325.8	3306.6	3199.8	3169.6	3132.0	3106.9	3057.6	3059.0	2997.1	3077.5
45°	3505.6	3494.6	3384.8	3367.1	3407.6	3397.3	3440.0	3451.1	3331.0	3398.0
47.5°	3698.7	3688.4	3595.5	3583.0	3692.8	3695.8	3846.8	3850.5	3656.7	3731.1
50°	3936.7	3922.0	3829.9	3845.4	3968.4	3979.5	4255.8	4230.8	3956.6	4069.4
52.5°	4093.7	4102.5	4082.6	4107.7	4275.7	4286.0	4658.2	4594.1	4253.6	4403.2
55°	4209.4	4227.1	4289.0	4346.5	4600.0	4610.3	5037.7	4939.7	4499.8	4712.7
57.5°	4358.3	4333.2	4448.9	4560.9	4908.0	4935.3	5406.9	5272.8	4717.9	4979.5
60°	4572.0	4554.3	4644.2	4810.0	5252.9	5296.4	5797.5	5572.7	4877.8	5191.0
62.5°	5005.3	4961.1	4975.1	5121.7	5687.7	5745.2	6238.2	5834.4	4957.4	5273.5
65°	5653.1	5577.2	5506.4	5608.1	6300.1	6356.8	6735.6	6040.0	4927.9	5113.6
67.5°	6468.9	6393.7	6306.7	6402.5	7202.1	7247.1	7349.5	6155.7	4695.8	4497.5
70°	7141.7	7113.7	7217.6	7611.8	8642.8	8644.3	8136.6	6059.9	4059.8	3188.7
72.5°	7052.5	7035.6	7583.1	8802.0	10458.6	10419.6	8881.6	5334.7	2734.8	1438.5
75°	5785.7	5895.5	6743.7	8780.6	11110.8	11105.7	8425.4	3391.4	1131.2	596.2
77.5°	3102.5	3276.4	4378.2	6482.9	8673.8	8804.2	5923.5	1186.5	485.6	381.7
80°	1011.8	1163.6	1745.1	3300.8	5636.1	5611.8	2538.8	465.7	332.4	270.5
82.5°	429.6	447.3	779.7	1558.6	2892.5	2847.5	808.4	267.5	233.6	185.0
85°	168.0	187.9	344.2	720.7	1252.8	1225.5	291.8	132.6	149.6	120.9
87.5°	55.3	67.1	123.1	246.9	389.8	375.8	71.5	45.7	64.9	55.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P941559  
 CATALOG NUMBER: GALN-SB5A-927-U-T4FT

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1816.6	0°	1816.6	1816.6	1816.6	1816.6	1816.6	1816.6	1816.6	1816.6	1816.6	1816.6
1821.7	2.5°	1832.0	1843.8	1857.8	1878.5	1896.1	1910.9	1926.4	1935.9	1939.6	1950.7
1824.7	5°	1845.3	1871.1	1905.7	1939.6	1972.8	1992.7	2010.4	2019.2	2027.3	2033.2
1832.8	7.5°	1867.4	1900.6	1955.1	1999.3	2027.3	2043.5	2055.3	2052.4	2055.3	2056.8
1841.6	10°	1886.6	1933.0	1997.8	2039.8	2061.2	2062.0	2059.0	2048.7	2043.5	2044.3
1854.9	12.5°	1909.4	1961.0	2031.0	2066.4	2072.3	2056.1	2043.5	2025.8	2019.2	2016.3
1874.8	15°	1940.4	1999.3	2067.1	2080.4	2065.6	2045.0	2023.6	1994.9	1980.2	1968.4
1908.7	17.5°	1977.9	2042.8	2095.1	2085.5	2053.9	2020.0	1985.3	1941.8	1911.6	1899.1
1955.1	20°	2030.3	2088.5	2116.5	2074.5	2026.6	1975.0	1916.0	1863.0	1835.0	1822.5
2014.1	22.5°	2093.6	2149.7	2137.1	2055.3	1987.5	1905.0	1831.3	1792.2	1778.2	1769.4
2090.0	25°	2169.6	2217.5	2151.9	2027.3	1923.4	1812.1	1755.4	1742.9	1736.2	1729.6
2182.8	27.5°	2268.3	2294.1	2162.9	1986.1	1823.2	1713.4	1692.8	1695.0	1692.8	1681.7
2311.8	30°	2398.7	2393.6	2173.2	1919.0	1708.2	1624.2	1625.7	1635.3	1636.7	1629.4
2491.6	32.5°	2570.4	2518.1	2178.4	1832.0	1598.4	1546.1	1547.6	1557.9	1565.3	1552.7
2726.7	35°	2778.3	2663.3	2170.3	1723.0	1513.7	1471.7	1460.6	1463.6	1465.8	1454.0
3011.9	37.5°	3020.7	2826.2	2134.2	1602.1	1443.7	1398.7	1375.1	1355.2	1343.4	1332.4
3334.7	40°	3286.8	3003.8	2067.9	1484.2	1365.5	1321.3	1286.0	1248.4	1208.6	1193.8
3676.6	42.5°	3565.3	3186.5	1987.5	1371.4	1275.6	1239.5	1201.9	1147.4	1087.7	1057.5
4031.8	45°	3854.2	3373.7	1908.7	1260.2	1183.5	1168.0	1124.6	1059.0	994.1	955.8
4387.7	47.5°	4137.2	3550.6	1793.0	1148.2	1097.3	1114.3	1080.4	1019.9	947.7	887.3
4740.7	50°	4407.6	3716.4	1603.6	1034.7	1027.3	1098.0	1065.6	978.7	896.1	818.7
5087.1	52.5°	4675.9	3850.5	1361.1	931.5	989.7	1093.6	1046.5	950.7	849.7	768.6
5412.8	55°	4903.6	3919.8	1127.5	843.1	935.2	1056.0	1023.6	917.5	784.1	697.9
5636.1	57.5°	5033.3	3863.8	933.0	756.1	860.0	994.1	984.6	846.7	706.0	639.7
5679.6	60°	4977.3	3636.8	773.8	680.2	788.5	927.1	916.8	776.7	646.3	583.7
5446.7	62.5°	4668.5	3204.2	647.8	613.9	723.7	858.5	849.0	722.9	600.6	540.2
4828.4	65°	4046.5	2606.6	549.8	558.6	658.1	776.0	790.0	678.0	564.5	505.5
3735.5	67.5°	3086.3	1888.0	473.1	510.7	594.0	694.9	735.5	645.6	534.3	478.3
2161.4	70°	1759.1	1072.2	408.3	464.3	537.2	619.8	693.5	619.8	501.9	455.4
809.9	72.5°	666.9	492.3	353.0	417.8	482.7	556.4	647.0	579.2	464.3	429.6
418.6	75°	355.9	299.9	297.0	363.3	420.1	494.5	588.8	539.4	436.3	454.0
289.6	77.5°	242.5	212.2	248.3	311.0	351.5	426.0	526.9	479.0	378.1	376.6
200.4	80°	168.0	150.3	201.9	250.6	271.9	358.2	459.9	411.2	308.0	287.4
123.8	82.5°	101.0	98.0	151.1	187.2	192.3	276.4	381.0	344.9	252.0	219.6
73.7	85°	55.3	58.2	96.5	109.8	112.0	193.1	298.5	266.8	193.8	162.9
26.5	87.5°	15.5	19.9	35.4	43.5	53.8	100.2	177.6	158.4	97.3	67.8
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>
1816.6
1949.9
2034.7
2059.0
2045.7
2014.8
1972.1
1899.8
1821.0
1770.9
1729.6
1683.9
1633.1
1558.6
1462.1
1339.8
1200.5
1061.2
952.9
880.6
812.1
759.8
690.5
630.8
574.8
530.6
496.0
469.4
449.5
423.7
468.7
347.1
274.9
221.1
164.3
67.8
0.0

F REPORT)