

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: P948231

Luminaire Tested: **GALN-SB3B-830-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-830-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15152 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

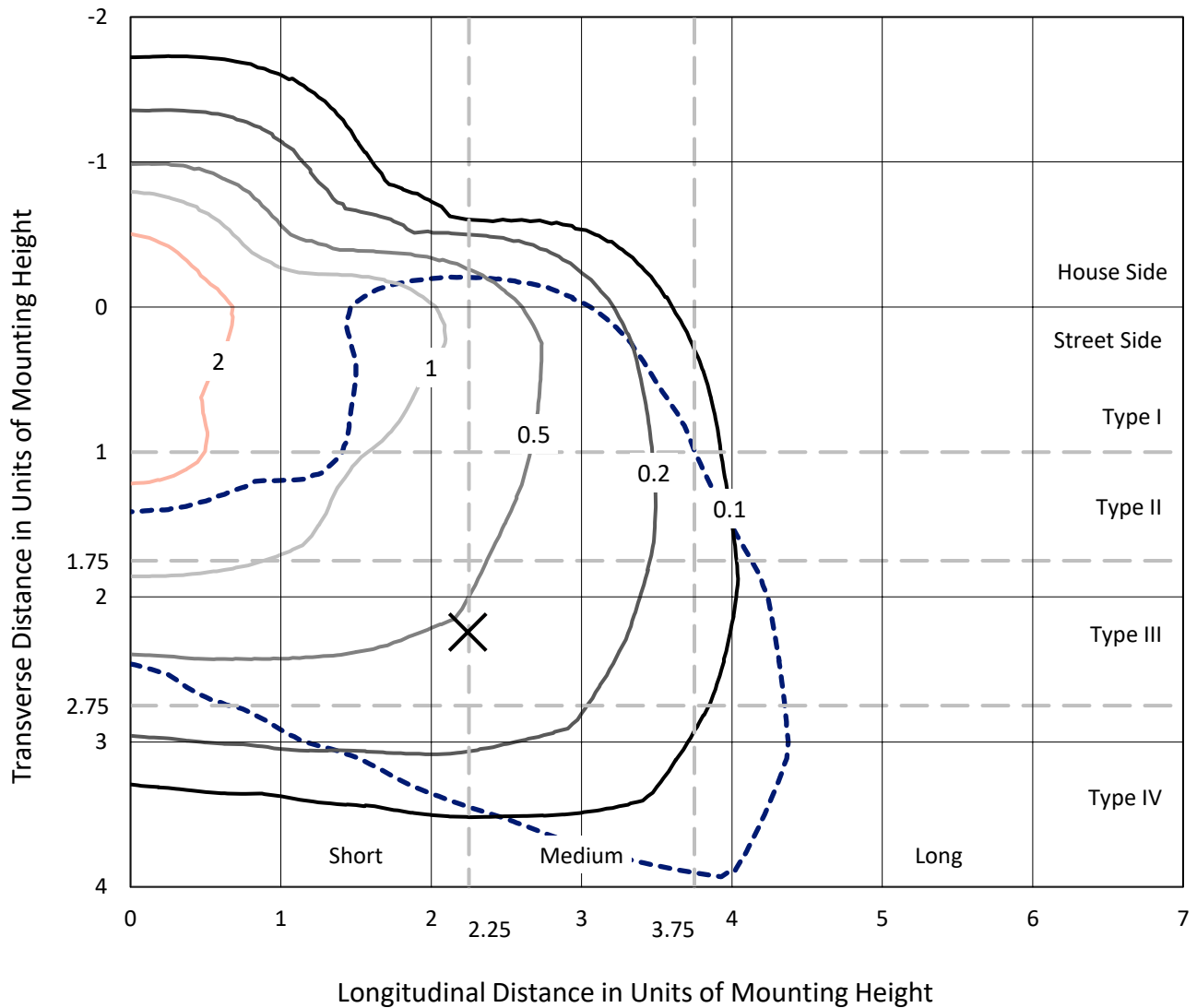
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948231
 CATALOG NUMBER: GALN-SB3B-830-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

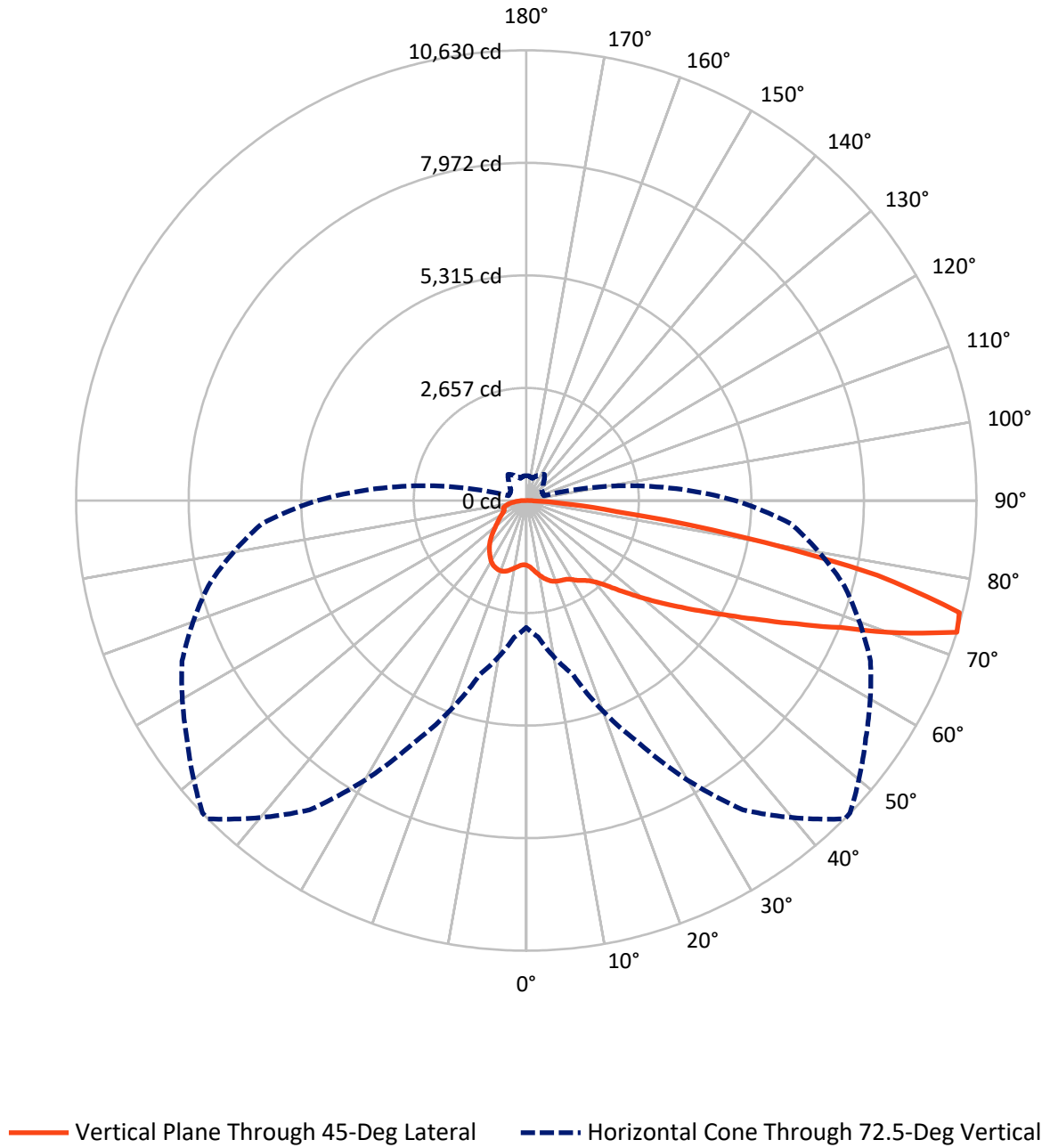
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Short - N/A

REPORT NUMBER: P948231
CATALOG NUMBER: GALN-SB3B-830-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P948231
 CATALOG NUMBER: GALN-SB3B-830-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3425.4	0.0	3425.4
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	11726.7	0.0	11726.7
	% Fixture	77.4	0.0	77.4
Total	Lumens	15152.0	0.0	15152.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.6	1.0
10°-20°	518.7	3.4
20°-30°	902.3	6.0
30°-40°	1293.5	8.5
40°-50°	1821.4	12.0
50°-60°	2789.8	18.4
60°-70°	4041.4	26.7
70°-80°	3227.3	21.3
80°-90°	402.0	2.7
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°	15152.0	100.0
0°-180°	15152.0	100.0



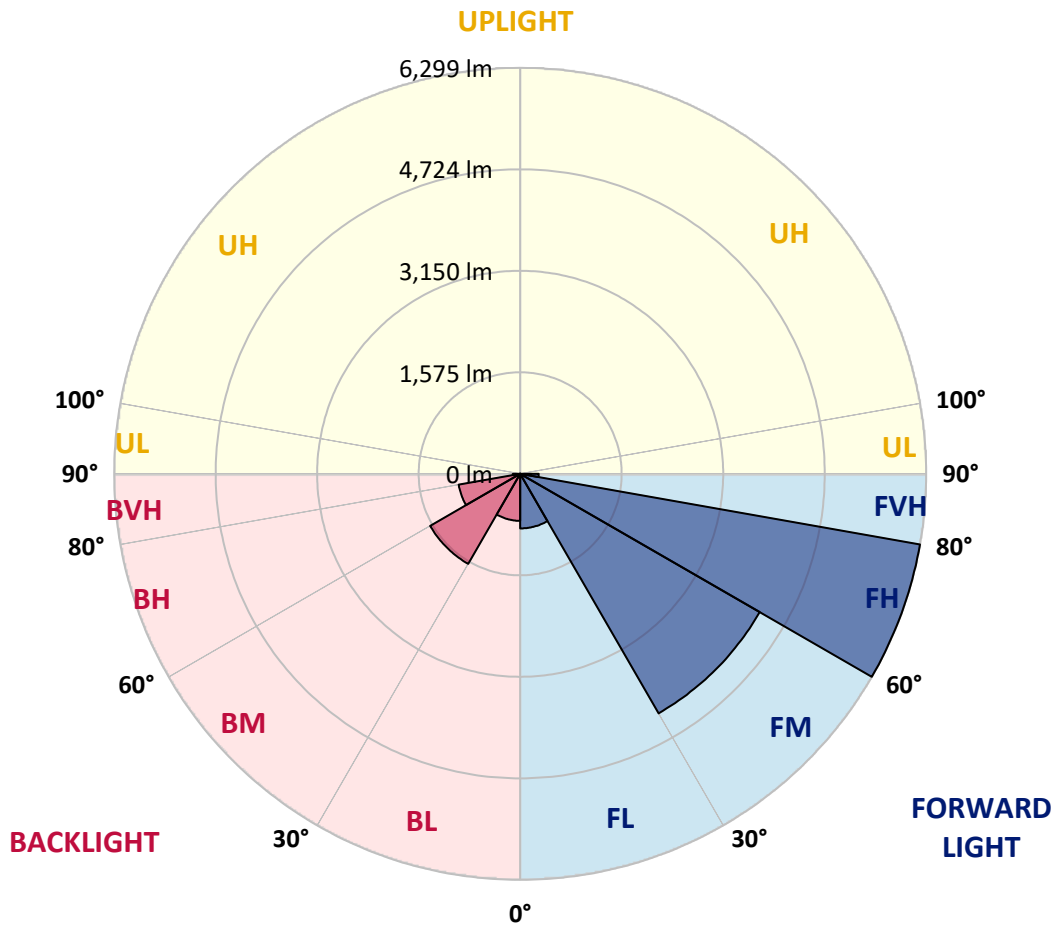
REPORT NUMBER: P948231
 CATALOG NUMBER: GALN-SB3B-830-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	847.3	5.6			
FM (30°-60°)	4291.8	28.3			
FH (60°-80°)	6299.1	41.6			G3/7500
FVH (80°-90°)	288.4	1.9			G3/500
BL (0°-30°)	729.3	4.8	B2/1000		
BM (30°-60°)	1612.9	10.6	B2/2500		
BH (60°-80°)	969.6	6.4	B2/1000		G2/1000
BVH (80°-90°)	113.6	0.7			G2/225
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: P948231
 CATALOG NUMBER: GALN-SB3B-830-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1528.5	1528.5	1528.5	1528.5	1528.5	1528.5	1528.5	1528.5	1528.5	1528.5
2.5°	1588.4	1598.8	1589.2	1580.4	1576.4	1566.1	1565.3	1558.9	1554.9	1543.7
5°	1699.4	1712.9	1697.0	1679.4	1663.4	1637.9	1634.7	1616.3	1595.6	1571.6
7.5°	1824.7	1836.6	1818.3	1791.9	1764.0	1721.7	1720.9	1687.4	1654.7	1613.9
10°	1934.0	1950.0	1925.2	1889.3	1854.2	1806.3	1800.7	1762.4	1720.9	1668.2
12.5°	2030.6	2041.8	2017.8	1973.9	1933.2	1885.3	1878.2	1835.8	1789.6	1729.7
15°	2107.2	2121.6	2089.7	2042.6	1999.5	1952.4	1946.0	1907.7	1861.4	1798.3
17.5°	2157.5	2169.5	2136.8	2084.1	2042.6	2003.5	1998.7	1966.8	1926.0	1862.2
20°	2176.7	2189.4	2155.1	2101.6	2063.3	2033.0	2030.6	2007.5	1979.5	1921.3
22.5°	2195.8	2207.8	2163.1	2107.2	2073.7	2054.6	2053.8	2038.6	2027.4	1979.5
25°	2273.3	2276.4	2216.6	2136.0	2088.1	2071.3	2070.5	2069.7	2074.5	2037.0
27.5°	2340.3	2339.5	2288.4	2212.6	2138.4	2103.2	2102.4	2110.4	2125.6	2094.5
30°	2438.5	2429.7	2369.0	2290.0	2222.2	2167.9	2163.1	2155.9	2167.9	2143.2
32.5°	2646.8	2618.9	2520.7	2380.2	2291.6	2250.1	2243.7	2199.0	2203.8	2188.6
35°	2945.3	2908.6	2777.7	2551.0	2377.8	2318.8	2315.6	2258.9	2249.3	2235.7
37.5°	3300.5	3255.0	3102.6	2798.5	2526.3	2398.6	2393.8	2342.7	2303.6	2289.2
40°	3657.3	3599.9	3473.7	3100.2	2745.0	2531.9	2516.7	2439.3	2394.6	2370.6
42.5°	4003.7	3955.9	3848.1	3438.6	3014.8	2726.6	2693.1	2560.6	2527.1	2504.7
45°	4310.2	4267.1	4188.1	3800.2	3330.9	2991.6	2958.9	2742.6	2732.2	2732.2
47.5°	4559.3	4549.7	4465.9	4169.0	3703.6	3293.3	3236.7	2995.6	3023.6	3066.7
50°	4835.5	4809.1	4719.7	4532.1	4141.8	3639.0	3592.7	3306.1	3410.7	3528.8
52.5°	5089.3	5103.7	5003.9	4910.5	4636.7	4024.5	3943.1	3672.5	3898.4	4093.9
55°	5350.3	5351.1	5323.2	5310.4	5155.5	4450.7	4361.3	4113.1	4472.3	4714.9
57.5°	5595.3	5596.9	5638.4	5751.0	5757.4	4942.4	4841.0	4654.3	5110.0	5357.5
60°	5814.0	5825.2	5938.6	6202.0	6286.6	5505.9	5410.2	5293.6	5769.3	6018.4
62.5°	5887.5	5928.2	6180.4	6554.8	6809.4	6197.2	6103.0	6033.5	6462.2	6693.7
65°	5763.0	5856.4	6344.0	6846.1	7347.4	7018.5	6925.1	6849.3	7182.2	7400.1
67.5°	5457.3	5577.8	6334.5	7151.8	8000.3	8006.7	7919.7	7741.7	7954.0	8037.8
70°	4651.9	4832.3	5776.5	7266.0	8749.8	9358.0	9274.2	8816.1	8724.3	8318.8
72.5°	2997.2	3239.9	4253.6	6326.5	8916.6	10629.6	10624.8	9785.9	8967.7	7772.8
75°	1093.5	1242.0	1976.3	3971.0	7484.7	10564.9	10596.0	9619.8	8186.3	6004.0
77.5°	398.3	435.8	644.9	1526.1	4603.2	8476.8	8541.5	7690.6	5826.8	3013.2
80°	209.1	229.9	330.5	592.3	1972.3	5034.2	5135.6	4570.5	2738.6	907.5
82.5°	115.7	125.3	185.2	321.7	888.4	2152.7	2213.4	1805.5	963.4	384.7
85°	62.3	66.3	87.0	175.6	434.2	746.3	763.1	539.6	383.9	225.9
87.5°	18.4	22.3	28.7	55.9	170.0	167.6	171.6	107.0	151.7	114.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948231
 CATALOG NUMBER: GALN-SB3B-830-U-T4W

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1528.5	0°	1528.5	1528.5	1528.5	1528.5	1528.5	1528.5	1528.5	1528.5	1528.5	1528.5
1540.5	2.5°	1535.7	1533.3	1524.6	1520.6	1515.8	1515.0	1519.0	1519.8	1520.6	1521.4
1558.1	5°	1550.1	1542.1	1534.1	1529.3	1530.9	1531.7	1539.7	1545.3	1549.3	1552.5
1590.8	7.5°	1578.0	1571.6	1558.1	1557.3	1559.7	1566.9	1577.2	1590.0	1597.2	1602.8
1633.1	10°	1619.5	1607.6	1591.6	1594.0	1598.8	1609.2	1630.7	1641.1	1653.1	1663.4
1685.0	12.5°	1661.8	1651.5	1633.1	1634.7	1642.7	1661.0	1681.8	1694.6	1702.5	1710.5
1740.9	15°	1716.9	1698.6	1678.6	1678.6	1693.0	1712.9	1722.5	1732.9	1737.7	1746.4
1800.7	17.5°	1773.6	1749.6	1723.3	1721.7	1739.3	1748.8	1754.4	1756.0	1757.6	1767.2
1859.0	20°	1830.3	1803.9	1766.4	1763.2	1767.2	1765.6	1764.8	1763.2	1765.6	1777.6
1918.9	22.5°	1886.1	1855.8	1803.9	1789.6	1778.4	1763.2	1762.4	1761.6	1763.2	1775.2
1983.5	25°	1951.6	1914.9	1845.4	1802.3	1764.8	1744.1	1746.4	1747.2	1748.8	1758.4
2050.6	27.5°	2022.6	1981.9	1883.7	1798.3	1730.5	1716.1	1712.1	1714.5	1720.1	1735.3
2117.6	30°	2093.7	2045.8	1918.9	1782.4	1687.4	1667.4	1654.7	1660.2	1677.8	1693.0
2175.9	32.5°	2158.3	2110.4	1946.8	1747.2	1632.3	1601.2	1584.4	1591.6	1609.2	1614.7
2240.5	35°	2234.1	2179.9	1958.8	1691.4	1572.4	1524.6	1502.2	1491.8	1500.6	1495.0
2316.4	37.5°	2318.8	2262.1	1957.2	1617.9	1502.2	1447.1	1416.0	1376.9	1358.5	1339.4
2428.1	40°	2444.1	2362.7	1938.0	1529.3	1415.2	1364.9	1309.0	1242.8	1201.3	1163.8
2608.5	42.5°	2614.9	2502.3	1902.9	1432.0	1317.0	1269.9	1194.1	1116.7	1051.2	989.0
2882.3	45°	2869.5	2685.1	1859.0	1328.2	1210.9	1164.6	1082.4	995.3	921.1	841.3
3271.0	47.5°	3236.7	2931.0	1817.5	1210.1	1099.1	1056.8	982.6	902.0	814.2	736.7
3832.9	50°	3741.1	3283.8	1779.2	1095.1	989.0	957.0	898.0	815.8	727.2	664.9
4491.4	52.5°	4382.9	3763.5	1763.2	984.2	886.0	874.0	826.9	750.3	666.5	613.8
5259.3	55°	5119.6	4337.4	1763.2	878.0	795.8	799.8	767.1	696.0	623.4	576.3
6051.1	57.5°	5871.5	4918.5	1731.3	779.8	719.2	735.9	715.2	652.9	587.5	538.8
6883.6	60°	6564.3	5405.4	1602.0	690.4	651.3	677.7	664.1	610.6	530.8	490.1
7579.7	62.5°	7096.7	5679.9	1352.9	619.4	595.5	625.8	618.6	554.7	520.4	503.7
8151.2	65°	7363.3	5635.3	1034.5	556.3	548.4	595.5	580.3	577.9	550.8	531.6
8337.1	67.5°	7199.7	5250.5	750.3	510.0	521.2	567.5	625.8	635.4	585.1	547.6
7813.5	70°	6482.1	4554.5	558.7	466.1	486.9	568.3	713.6	664.9	573.9	530.0
6266.6	72.5°	4931.2	3396.3	433.4	419.9	442.2	572.3	752.7	651.3	542.0	585.9
3904.0	75°	2820.0	1864.6	348.0	363.2	386.3	534.8	732.7	616.2	517.2	538.0
1546.9	77.5°	1075.2	716.8	287.3	307.3	310.5	466.9	700.8	613.8	492.5	480.5
463.8	80°	372.8	280.2	237.9	244.2	240.3	415.1	672.1	534.0	403.1	360.8
191.6	82.5°	152.5	139.7	188.4	180.4	170.8	322.5	542.8	436.6	329.7	291.3
92.6	85°	66.3	88.6	124.5	109.4	99.0	223.5	435.0	369.6	278.6	240.3
30.3	87.5°	13.6	33.5	52.7	49.5	51.1	149.3	308.9	262.6	197.2	147.7
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°
1528.5
1524.6
1554.1
1604.4
1661.0
1713.7
1749.6
1770.4
1782.4
1783.2
1771.2
1750.4
1709.7
1634.7
1512.6
1351.3
1166.2
983.4
831.7
728.0
660.9
609.8
571.5
530.8
483.7
498.1
525.2
541.2
522.8
581.1
538.0
438.2
348.8
288.1
239.5
115.7
0.0

F REPORT)