

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: P951171

Luminaire Tested: **GALN-SB5B-927-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951171
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-SB5B-927-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17280 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

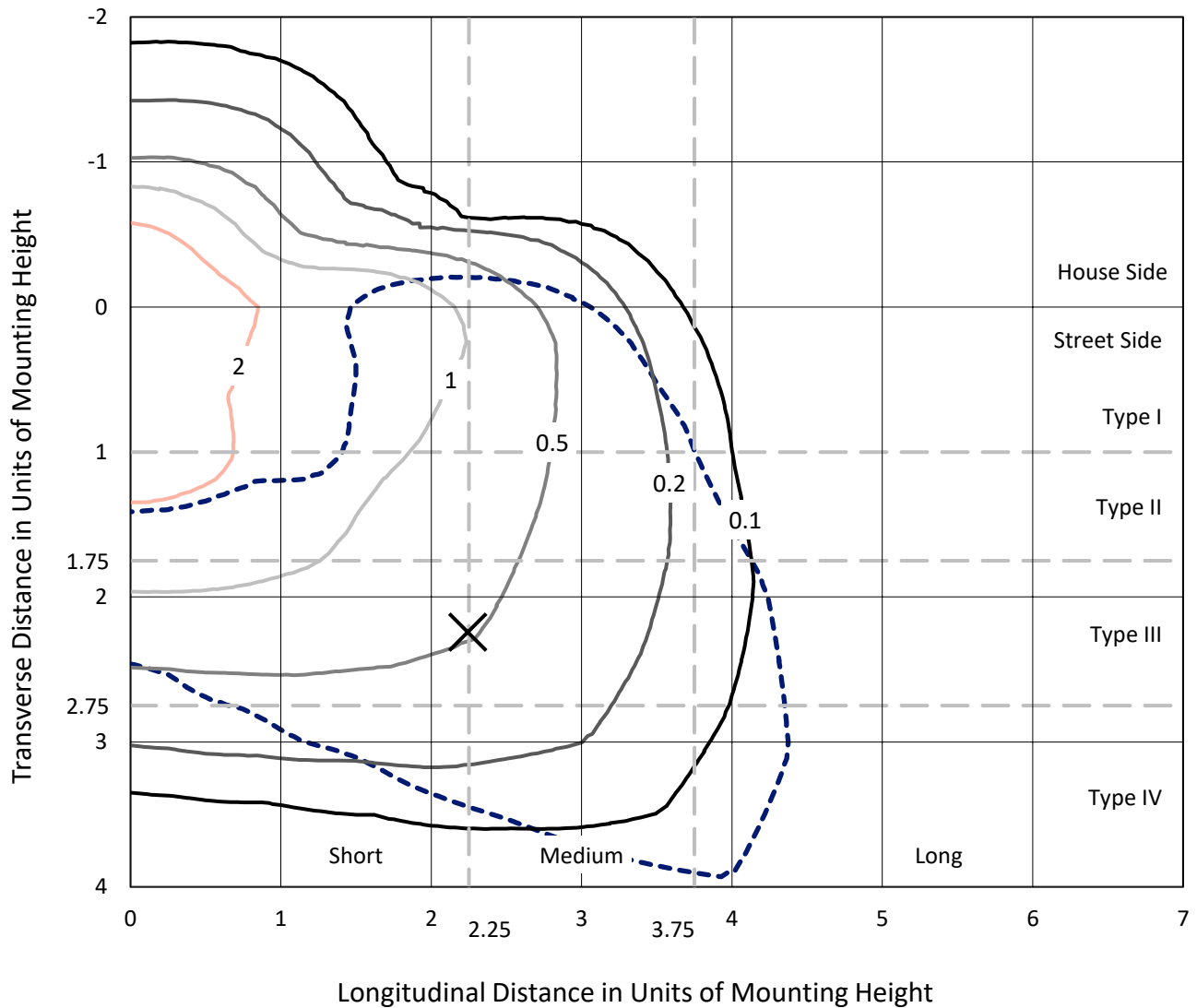
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951171
 CATALOG NUMBER: GALN-SB5B-927-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

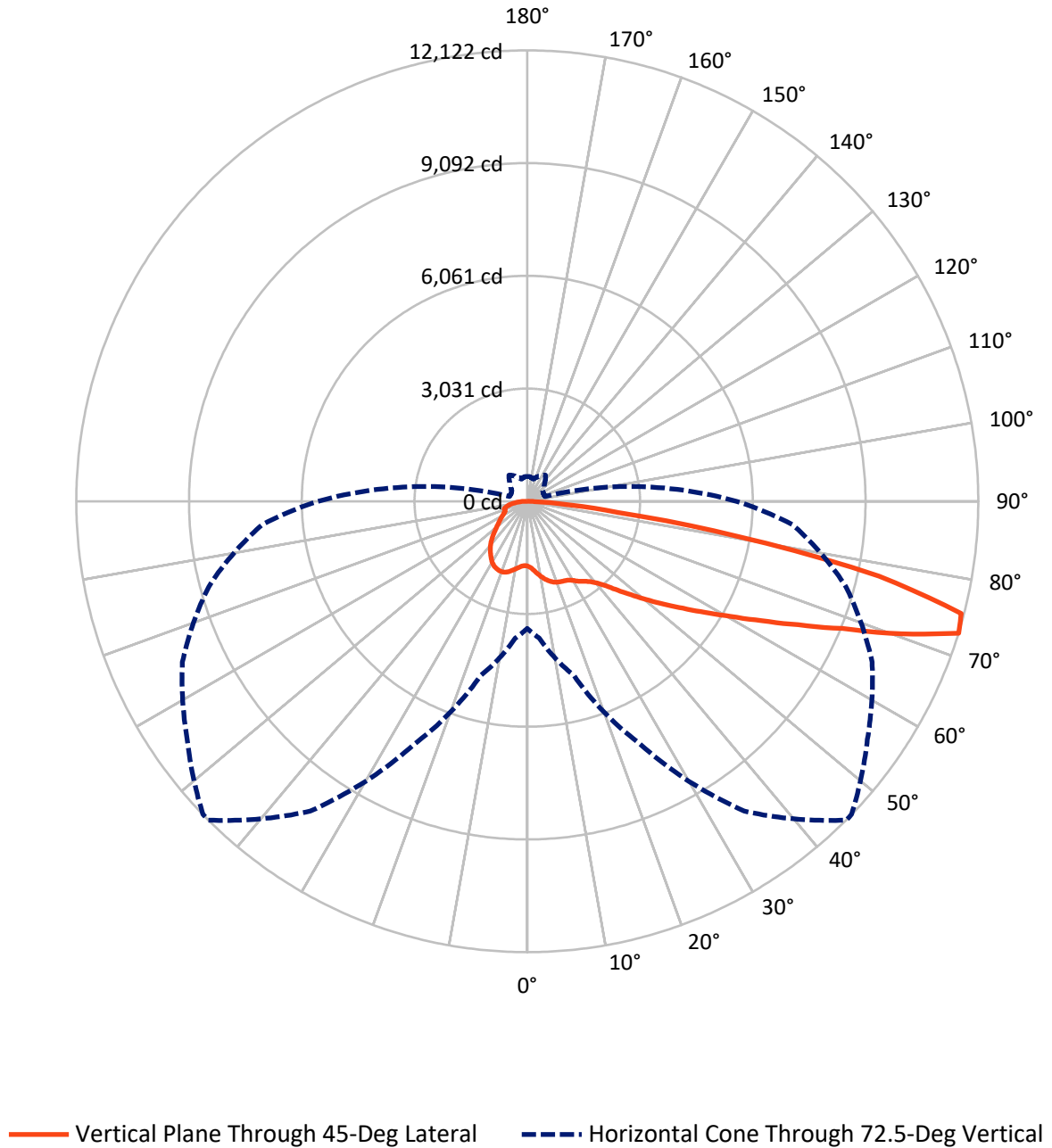
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P951171
CATALOG NUMBER: GALN-SB5B-927-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P951171
 CATALOG NUMBER: GALN-SB5B-927-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3906.4	0.0	3906.4
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	13373.6	0.0	13373.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	17280.0	0.0	17280.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.4	1.0
10°-20°	591.6	3.4
20°-30°	1029.0	6.0
30°-40°	1475.2	8.5
40°-50°	2077.2	12.0
50°-60°	3181.6	18.4
60°-70°	4609.0	26.7
70°-80°	3680.6	21.3
80°-90°	458.4	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°	17280.0	100.0
0°-180°	17280.0	100.0



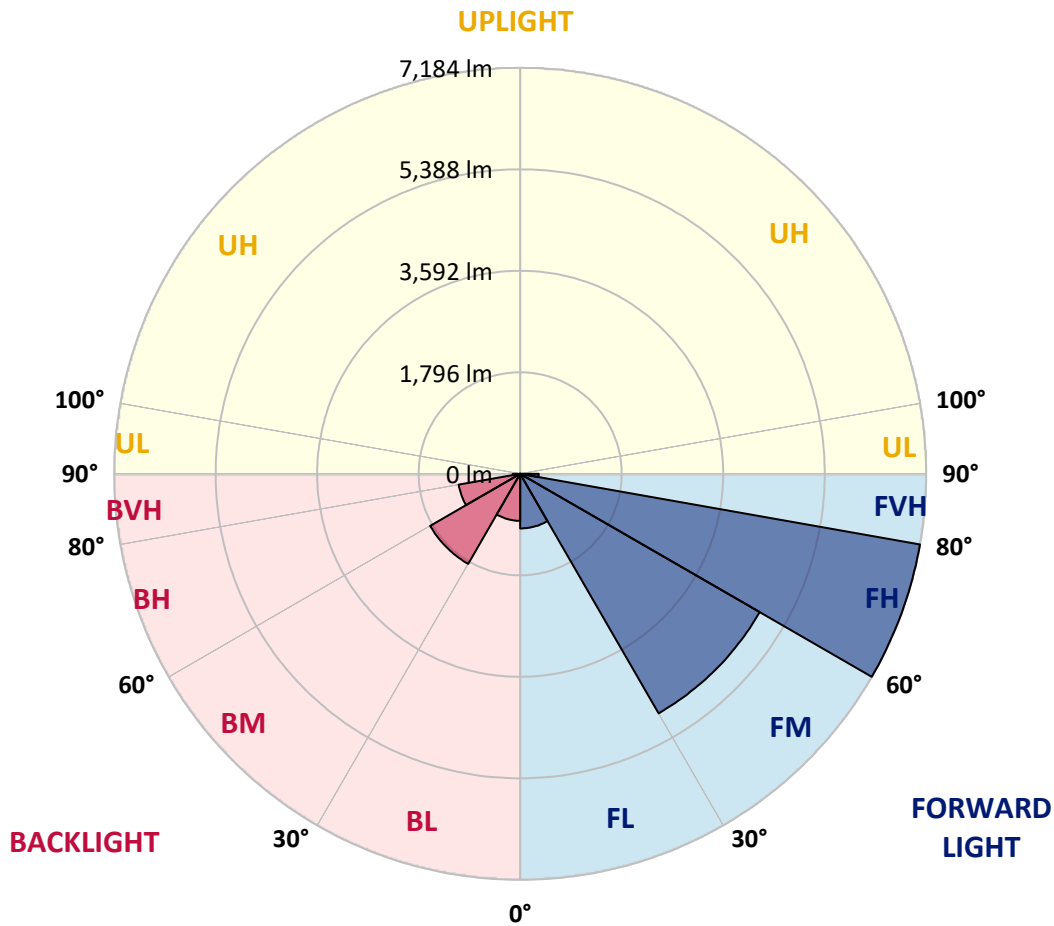
REPORT NUMBER: P951171
 CATALOG NUMBER: GALN-SB5B-927-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.3	5.6			
FM (30°-60°)	4894.6	28.3			
FH (60°-80°)	7183.8	41.6			G3/7500
FVH (80°-90°)	328.9	1.9			G3/500
BL (0°-30°)	831.7	4.8	B2/1000		
BM (30°-60°)	1839.4	10.6	B2/2500		
BH (60°-80°)	1105.8	6.4	B3/2500		G3/2500
BVH (80°-90°)	129.5	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type IV Short



REPORT NUMBER: P951171
 CATALOG NUMBER: GALN-SB5B-927-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1743.2	1743.2	1743.2	1743.2	1743.2	1743.2	1743.2	1743.2	1743.2	1743.2
2.5°	1811.5	1823.3	1812.4	1802.4	1797.8	1786.0	1785.1	1777.8	1773.3	1760.5
5°	1938.0	1953.5	1935.3	1915.3	1897.1	1867.9	1864.3	1843.3	1819.7	1792.4
7.5°	2080.9	2094.6	2073.7	2043.6	2011.8	1963.5	1962.6	1924.4	1887.0	1840.6
10°	2205.6	2223.9	2195.6	2154.7	2114.6	2060.0	2053.6	2009.9	1962.6	1902.5
12.5°	2315.8	2328.5	2301.2	2251.2	2204.7	2150.1	2141.9	2093.7	2040.9	1972.6
15°	2403.2	2419.6	2383.2	2329.4	2280.3	2226.6	2219.3	2175.6	2122.8	2050.9
17.5°	2460.5	2474.2	2436.9	2376.8	2329.4	2284.8	2279.4	2243.0	2196.5	2123.7
20°	2482.4	2496.9	2457.8	2396.8	2353.1	2318.5	2315.8	2289.4	2257.5	2191.1
22.5°	2504.2	2517.9	2466.9	2403.2	2364.9	2343.1	2342.2	2324.9	2312.2	2257.5
25°	2592.5	2596.2	2527.9	2436.0	2381.3	2362.2	2361.3	2360.4	2365.9	2323.1
27.5°	2669.0	2668.1	2609.8	2523.3	2438.7	2398.6	2397.7	2406.8	2424.1	2388.6
30°	2781.0	2770.9	2701.8	2611.6	2534.3	2472.4	2466.9	2458.7	2472.4	2444.1
32.5°	3018.5	2986.7	2874.7	2714.5	2613.5	2566.1	2558.8	2507.9	2513.3	2496.0
35°	3359.0	3317.1	3167.8	2909.3	2711.8	2644.4	2640.8	2576.1	2565.2	2549.7
37.5°	3764.1	3712.2	3538.3	3191.5	2881.1	2735.4	2730.0	2671.7	2627.1	2610.7
40°	4171.0	4105.4	3961.6	3535.6	3130.5	2887.5	2870.2	2781.9	2730.9	2703.6
42.5°	4566.0	4511.4	4388.5	3921.6	3438.2	3109.6	3071.3	2920.2	2882.0	2856.5
45°	4915.6	4866.4	4776.3	4333.9	3798.7	3411.8	3374.5	3127.8	3115.9	3115.9
47.5°	5199.6	5188.7	5093.1	4754.5	4223.8	3755.9	3691.2	3416.3	3448.2	3497.4
50°	5514.6	5484.5	5382.6	5168.7	4723.5	4150.0	4097.2	3770.4	3889.7	4024.4
52.5°	5804.0	5820.4	5706.6	5600.1	5287.9	4589.7	4496.9	4188.3	4445.9	4668.9
55°	6101.7	6102.6	6070.8	6056.2	5879.6	5075.8	4973.9	4690.8	5100.4	5377.1
57.5°	6381.2	6383.0	6430.3	6558.7	6566.0	5636.5	5520.9	5307.9	5827.7	6109.9
60°	6630.6	6643.3	6772.6	7073.0	7169.5	6279.2	6170.0	6037.1	6579.6	6863.6
62.5°	6714.3	6760.8	7048.4	7475.3	7765.7	7067.5	6960.1	6880.9	7369.8	7633.7
65°	6572.3	6678.8	7235.0	7807.6	8379.3	8004.2	7897.7	7811.2	8190.8	8439.3
67.5°	6223.7	6361.1	7224.1	8156.2	9123.9	9131.2	9032.0	8829.0	9071.1	9166.7
70°	5305.2	5510.9	6587.8	8286.4	9978.7	10672.3	10576.7	10054.2	9949.5	9487.1
72.5°	3418.2	3694.9	4851.0	7215.0	10168.9	12122.4	12116.9	11160.2	10227.2	8864.5
75°	1247.1	1416.4	2253.9	4528.7	8535.8	12048.7	12084.2	10970.9	9336.0	6847.2
77.5°	454.2	497.0	735.5	1740.5	5249.7	9667.3	9741.1	8770.7	6645.2	3436.4
80°	238.5	262.2	376.9	675.4	2249.3	5741.2	5856.8	5212.4	3123.2	1035.0
82.5°	132.0	142.9	211.2	366.8	1013.2	2455.1	2524.2	2059.1	1098.7	438.8
85°	71.0	75.6	99.2	200.3	495.2	851.1	870.2	615.4	437.9	257.6
87.5°	20.9	25.5	32.8	63.7	193.9	191.2	195.7	122.0	173.0	130.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P951171
 CATALOG NUMBER: GALN-SB5B-927-U-T4W

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1743.2	0°	1743.2	1743.2	1743.2	1743.2	1743.2	1743.2	1743.2	1743.2	1743.2	1743.2
1756.9	2.5°	1751.4	1748.7	1738.7	1734.1	1728.7	1727.7	1732.3	1733.2	1734.1	1735.0
1776.9	5°	1767.8	1758.7	1749.6	1744.1	1745.9	1746.9	1756.0	1762.3	1766.9	1770.5
1814.2	7.5°	1799.7	1792.4	1776.9	1776.0	1778.7	1786.9	1798.7	1813.3	1821.5	1827.9
1862.5	10°	1847.0	1833.3	1815.1	1817.9	1823.3	1835.2	1859.7	1871.6	1885.2	1897.1
1921.6	12.5°	1895.2	1883.4	1862.5	1864.3	1873.4	1894.3	1918.0	1932.6	1941.7	1950.8
1985.4	15°	1958.0	1937.1	1914.4	1914.4	1930.7	1953.5	1964.4	1976.3	1981.7	1991.7
2053.6	17.5°	2022.7	1995.4	1965.3	1963.5	1983.5	1994.5	2000.8	2002.6	2004.5	2015.4
2120.1	20°	2087.3	2057.3	2014.5	2010.8	2015.4	2013.6	2012.7	2010.8	2013.6	2027.2
2188.4	22.5°	2151.0	2116.4	2057.3	2040.9	2028.1	2010.8	2009.9	2009.0	2010.8	2024.5
2262.1	25°	2225.7	2183.8	2104.6	2055.4	2012.7	1989.0	1991.7	1992.6	1994.5	2005.4
2338.5	27.5°	2306.7	2260.3	2148.3	2050.9	1973.5	1957.1	1952.6	1955.3	1961.7	1979.0
2415.0	30°	2387.7	2333.1	2188.4	2032.7	1924.4	1901.6	1887.0	1893.4	1913.4	1930.7
2481.5	32.5°	2461.4	2406.8	2220.2	1992.6	1861.6	1826.1	1806.9	1815.1	1835.2	1841.5
2555.2	35°	2547.9	2486.0	2233.9	1928.9	1793.3	1738.7	1713.2	1701.3	1711.4	1705.0
2641.7	37.5°	2644.4	2579.8	2232.0	1845.2	1713.2	1650.4	1614.9	1570.3	1549.3	1527.5
2769.1	40°	2787.3	2694.5	2210.2	1744.1	1614.0	1556.6	1492.9	1417.3	1370.0	1327.2
2974.8	42.5°	2982.1	2853.8	2170.1	1633.1	1502.0	1448.3	1361.8	1273.5	1198.9	1127.9
3287.1	45°	3272.5	3062.2	2120.1	1514.7	1380.9	1328.1	1234.4	1135.1	1050.5	959.5
3730.4	47.5°	3691.2	3342.6	2072.7	1380.0	1253.5	1205.2	1120.6	1028.6	928.5	840.2
4371.2	50°	4266.6	3745.0	2029.0	1248.9	1127.9	1091.4	1024.1	930.3	829.3	758.3
5122.2	52.5°	4998.4	4292.0	2010.8	1122.4	1010.4	996.8	943.1	855.7	760.1	700.0
5997.9	55°	5838.6	4946.5	2010.8	1001.3	907.6	912.1	874.8	793.8	710.9	657.2
6900.9	57.5°	6696.1	5609.2	1974.4	889.4	820.2	839.3	815.6	744.6	670.0	614.4
7850.4	60°	7486.3	6164.5	1827.0	787.4	742.8	772.8	757.4	696.4	605.3	558.9
8644.2	62.5°	8093.4	6477.7	1543.0	706.4	679.1	713.7	705.5	632.7	593.5	574.4
9295.9	65°	8397.5	6426.7	1179.7	634.5	625.4	679.1	661.8	659.1	628.1	606.3
9508.0	67.5°	8210.9	5987.9	855.7	581.7	594.4	647.2	713.7	724.6	667.2	624.5
8910.9	70°	7392.5	5194.1	637.2	531.6	555.3	648.1	813.8	758.3	654.5	604.4
7146.7	72.5°	5623.8	3873.3	494.3	478.8	504.3	652.7	858.4	742.8	618.1	668.2
4452.3	75°	3216.1	2126.5	396.9	414.2	440.6	609.9	835.7	702.7	589.9	613.5
1764.2	77.5°	1226.2	817.4	327.7	350.5	354.1	532.5	799.2	700.0	561.7	548.0
528.9	80°	425.1	319.5	271.3	278.6	274.0	473.4	766.5	609.0	459.7	411.5
218.5	82.5°	173.9	159.3	214.8	205.7	194.8	367.8	619.0	497.9	376.0	332.3
105.6	85°	75.6	101.0	142.0	124.7	112.9	254.9	496.1	421.5	317.7	274.0
34.6	87.5°	15.5	38.2	60.1	56.4	58.3	170.2	352.3	299.5	224.8	168.4
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

180°
1743.2
1738.7
1772.3
1829.7
1894.3
1954.4
1995.4
2019.0
2032.7
2033.6
2019.9
1996.3
1949.9
1864.3
1725.0
1541.1
1329.9
1121.5
948.5
830.2
753.7
695.5
651.8
605.3
551.6
568.0
599.0
617.2
596.2
662.7
613.5
499.8
397.8
328.6
273.1
132.0
0.0

F REPORT)