

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: P940708

Luminaire Tested: **GALN-SB3D-927-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3D-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14071 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

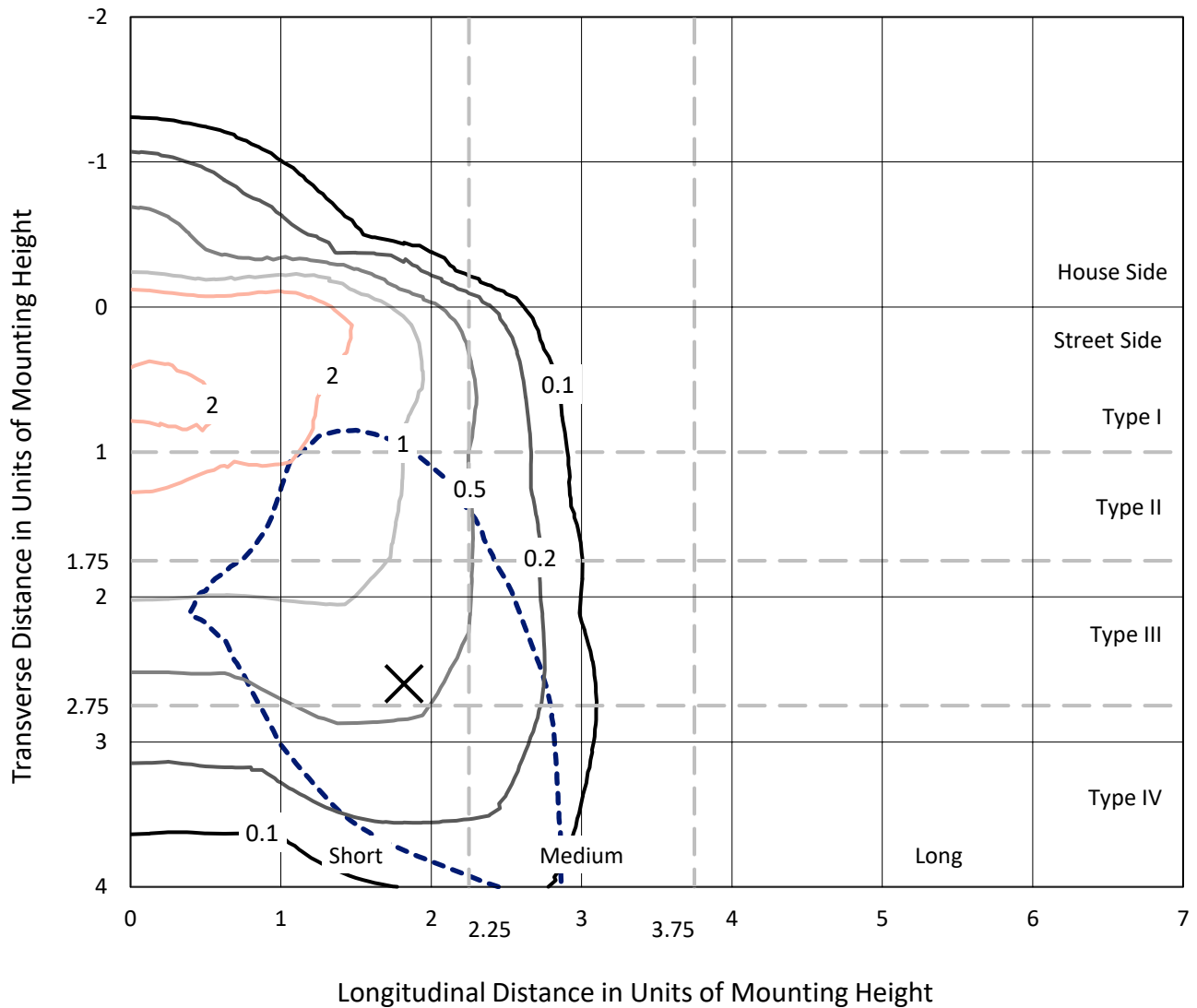
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940708
 CATALOG NUMBER: GALN-SB3D-927-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

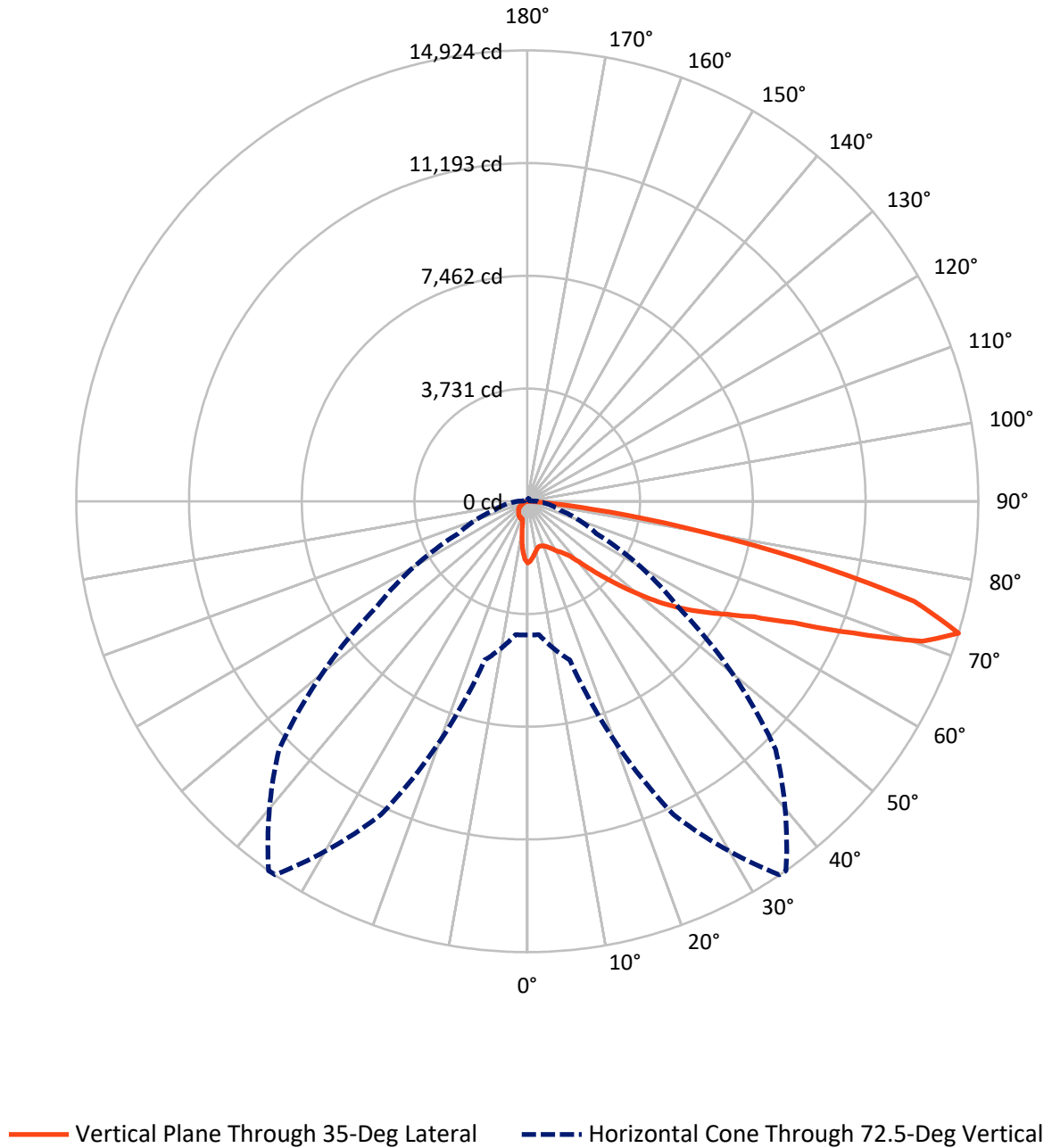
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P940708
CATALOG NUMBER: GALN-SB3D-927-U-T4FT-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P940708
 CATALOG NUMBER: GALN-SB3D-927-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1583.6	0.0	1583.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12487.4	0.0	12487.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	14071.0	0.0	14071.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	1.2
10°-20°	392.0	2.8
20°-30°	636.9	4.5
30°-40°	1062.6	7.6
40°-50°	2010.4	14.3
50°-60°	3194.6	22.7
60°-70°	3951.9	28.1
70°-80°	2456.5	17.5
80°-90°	198.5	1.4
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°	14071.0	100.0
0°-180°	14071.0	100.0

Coefficient of Utilization



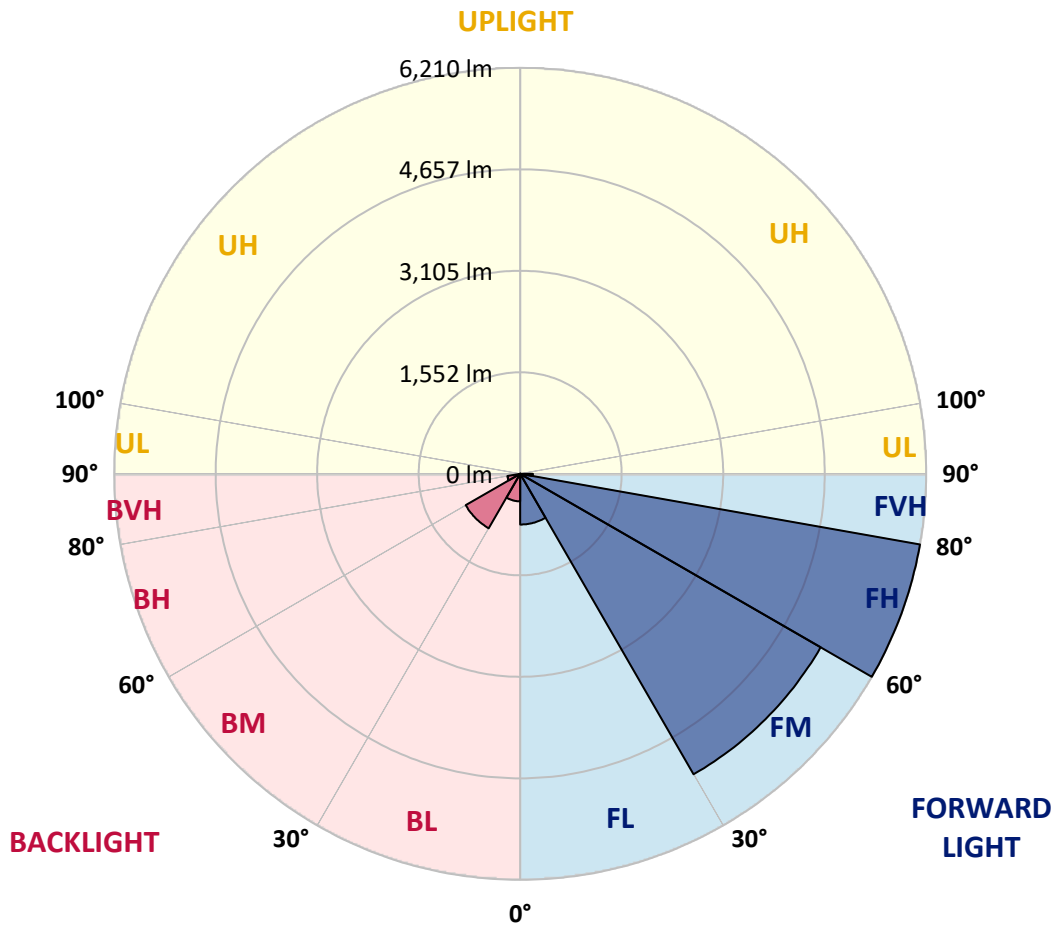
REPORT NUMBER: P940708
 CATALOG NUMBER: GALN-SB3D-927-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	775.7	5.5			
FM (30°-60°)	5306.2	37.7			
FH (60°-80°)	6209.7	44.1			G3/7500
FVH (80°-90°)	195.8	1.4			G2/225
BL (0°-30°)	420.8	3.0	B1/500		
BM (30°-60°)	961.4	6.8	B1/1000		
BH (60°-80°)	198.7	1.4	B1/500		G1/500
BVH (80°-90°)	2.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



REPORT NUMBER: P940708
 CATALOG NUMBER: GALN-SB3D-927-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4
2.5°	1948.6	1965.1	1968.2	1973.4	1973.4	1979.6	1989.9	2004.3	2028.0	2040.4
5°	1796.0	1808.4	1823.9	1836.2	1860.0	1863.1	1903.3	1942.4	1997.1	2038.3
7.5°	1642.4	1656.9	1677.5	1707.4	1738.3	1747.6	1808.4	1874.4	1961.0	2038.3
10°	1534.2	1535.2	1553.7	1583.6	1633.1	1644.5	1718.7	1812.5	1920.8	2026.0
12.5°	1473.3	1480.5	1488.8	1511.5	1558.9	1566.1	1645.5	1755.8	1880.6	2018.7
15°	1473.3	1478.5	1483.6	1495.0	1533.1	1539.3	1609.4	1719.7	1860.0	2021.8
17.5°	1488.8	1497.0	1492.9	1506.3	1546.5	1550.7	1612.5	1709.4	1858.9	2041.4
20°	1525.9	1532.1	1523.8	1532.1	1572.3	1580.6	1644.5	1729.0	1876.5	2075.4
22.5°	1584.7	1587.8	1568.2	1574.4	1615.6	1625.9	1700.2	1784.7	1918.7	2130.1
25°	1658.9	1665.1	1635.2	1642.4	1681.6	1694.0	1779.5	1868.2	1985.7	2205.4
27.5°	1744.5	1747.6	1721.8	1720.8	1771.3	1788.8	1875.4	1971.3	2075.4	2300.2
30°	1842.4	1851.7	1827.0	1822.8	1886.8	1901.2	1986.8	2098.1	2207.4	2442.5
32.5°	1919.8	1927.0	1912.5	1922.9	1987.8	1999.1	2121.8	2277.5	2414.7	2644.6
35°	2031.1	2035.2	2002.2	2020.8	2095.0	2123.9	2306.4	2529.1	2675.5	2898.2
37.5°	2434.2	2434.2	2294.0	2202.3	2273.4	2299.2	2559.0	2845.6	2997.2	3238.4
40°	2992.0	2982.7	2777.6	2589.9	2580.6	2631.2	2918.8	3244.6	3412.7	3646.7
42.5°	3586.9	3572.5	3293.1	3107.5	3076.6	3094.1	3334.3	3736.4	3907.6	4144.7
45°	4114.8	4110.7	3855.0	3605.5	3549.8	3605.5	3852.9	4311.7	4434.4	4683.9
47.5°	4557.1	4557.1	4370.5	4207.6	4178.7	4211.7	4555.1	4949.9	4938.6	5258.2
50°	5066.4	5062.3	4885.0	4814.9	4844.8	4891.2	5363.4	5622.2	5460.3	5822.2
52.5°	5423.2	5447.9	5387.1	5375.7	5528.3	5608.8	6184.1	6279.9	5927.3	6357.3
55°	5705.7	5734.5	5804.6	5884.0	6177.9	6283.0	6979.0	6903.7	6318.1	6821.2
57.5°	6105.7	6064.5	6172.7	6329.4	6804.7	6931.6	7749.2	7492.4	6632.6	7197.6
60°	6591.3	6597.5	6616.1	6814.0	7430.6	7593.5	8508.0	8049.2	6834.6	7428.5
62.5°	7174.9	7184.2	7222.3	7526.5	8270.9	8424.5	9316.3	8504.9	6927.4	7363.6
65°	7134.7	7173.8	7599.7	8640.0	9548.3	9699.8	10259.7	8824.5	6787.2	6769.7
67.5°	6499.6	6563.5	7275.9	9970.0	11474.2	11643.3	11400.0	8887.4	6182.0	5264.4
70°	5666.5	5689.2	6546.0	11166.0	13704.3	13875.5	12420.7	8195.6	4691.1	2936.3
72.5°	4425.1	4430.3	5435.5	11443.3	14914.8	14924.0	11619.6	6084.1	2522.9	1127.9
75°	3161.1	3130.2	3640.5	9280.2	13121.8	13227.0	8711.1	2853.9	964.0	533.0
77.5°	1695.0	1729.0	2060.0	5503.6	9064.7	9244.1	4753.0	822.8	490.8	362.9
80°	523.8	552.6	844.4	2519.8	5134.5	5242.7	1762.0	366.0	342.3	258.8
82.5°	165.0	171.1	393.9	1058.9	2131.1	2180.6	510.4	207.2	234.0	171.1
85°	47.4	48.5	175.3	394.9	526.9	537.2	143.3	80.4	134.0	106.2
87.5°	5.2	16.5	66.0	66.0	46.4	45.4	15.5	17.5	38.1	13.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940708
 CATALOG NUMBER: GALN-SB3D-927-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2039.4	0°	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4
2048.6	2.5°	2043.5	2044.5	2031.1	2008.4	1983.7	1963.1	1937.3	1916.7	1902.2	1898.1
2067.2	5°	2057.9	2050.7	2012.6	1943.5	1861.0	1789.9	1710.5	1647.6	1606.3	1588.8
2086.8	7.5°	2079.6	2058.9	1975.4	1839.3	1681.6	1541.4	1399.1	1288.8	1218.7	1183.6
2105.3	10°	2098.1	2056.9	1913.6	1688.8	1447.6	1235.2	1043.4	910.4	836.2	801.1
2127.0	12.5°	2115.7	2055.9	1833.2	1510.4	1183.6	923.8	745.4	679.4	658.8	651.6
2162.1	15°	2148.6	2058.9	1732.1	1306.3	920.7	698.0	633.0	632.0	636.1	634.1
2215.7	17.5°	2194.0	2062.0	1617.7	1089.8	710.4	615.5	612.4	621.7	627.9	624.8
2282.7	20°	2252.8	2074.4	1496.0	875.3	610.4	594.9	602.1	610.4	615.5	610.4
2372.4	22.5°	2335.3	2096.1	1363.0	703.2	578.4	582.5	588.7	598.0	603.1	595.9
2486.8	25°	2436.3	2130.1	1232.1	611.4	562.9	568.1	577.4	587.7	593.9	586.7
2631.2	27.5°	2567.2	2184.7	1111.4	590.8	547.5	550.6	564.0	579.4	587.7	578.4
2836.3	30°	2757.0	2274.4	1007.3	600.1	538.2	531.0	549.5	571.2	580.5	572.2
3115.7	32.5°	3008.5	2401.2	943.4	614.5	534.1	508.3	525.8	553.7	569.1	564.0
3480.7	35°	3338.4	2594.0	918.6	631.0	531.0	484.6	497.0	526.9	553.7	558.8
3940.6	37.5°	3738.5	2862.1	925.9	638.2	521.7	465.0	471.2	497.0	532.0	548.5
4458.1	40°	4193.2	3174.5	967.1	631.0	511.4	448.5	449.5	469.1	500.0	524.8
5014.9	42.5°	4662.3	3539.5	1043.4	604.2	502.1	434.1	431.0	444.4	465.0	482.5
5570.6	45°	5108.7	3914.8	1118.7	567.1	490.8	419.6	412.4	417.6	421.7	428.9
6111.9	47.5°	5498.4	4178.7	1097.0	533.0	475.3	403.1	390.8	388.7	376.3	375.3
6595.4	50°	5767.5	4236.5	974.3	499.0	452.6	384.6	365.0	352.6	331.0	320.6
6957.3	52.5°	5853.1	4008.6	795.9	465.0	415.5	359.8	332.0	312.4	285.6	276.3
7165.6	55°	5739.7	3562.2	636.1	423.7	364.0	326.8	295.9	270.1	248.5	237.1
7188.3	57.5°	5462.3	2994.1	503.1	375.3	309.3	289.7	258.8	233.0	214.5	203.1
6936.7	60°	5002.5	2377.5	398.0	317.6	263.9	249.5	217.5	201.0	184.6	171.1
6287.2	62.5°	4304.5	1697.1	312.4	251.6	220.6	204.1	185.6	173.2	153.6	135.1
5119.0	65°	3359.1	1038.2	241.3	184.6	177.3	169.1	157.7	146.4	122.7	104.1
3339.5	67.5°	2118.7	491.8	172.2	139.2	140.2	136.1	130.9	121.7	104.1	87.6
1496.0	70°	933.1	238.2	113.4	106.2	104.1	104.1	108.3	105.2	88.7	73.2
519.6	72.5°	317.6	127.8	84.5	80.4	75.3	74.2	90.7	87.6	71.1	56.7
258.8	75°	166.0	85.6	61.9	57.7	45.4	54.6	72.2	68.0	50.5	37.1
171.1	77.5°	108.3	60.8	42.3	37.1	25.8	36.1	53.6	47.4	29.9	18.6
112.4	80°	68.0	40.2	24.7	17.5	12.4	19.6	28.9	20.6	11.3	4.1
66.0	82.5°	36.1	20.6	9.3	6.2	5.2	6.2	7.2	5.2	2.1	0.0
34.0	85°	14.4	7.2	3.1	2.1	1.0	0.0	2.1	1.0	0.0	0.0
6.2	87.5°	5.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
2039.4
1905.3
1595.0
1188.8
802.1
649.5
633.0
623.8
609.3
594.9
585.6
578.4
571.2
564.0
558.8
552.6
533.0
489.7
433.0
374.3
321.7
275.3
237.1
201.0
168.1
132.0
101.0
85.6
70.1
53.6
34.0
16.5
3.1
0.0
0.0
0.0
0.0

F REPORT)