

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: P940748

Luminaire Tested: **GALN-SB3D-950-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940748
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-950-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 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: 16081 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

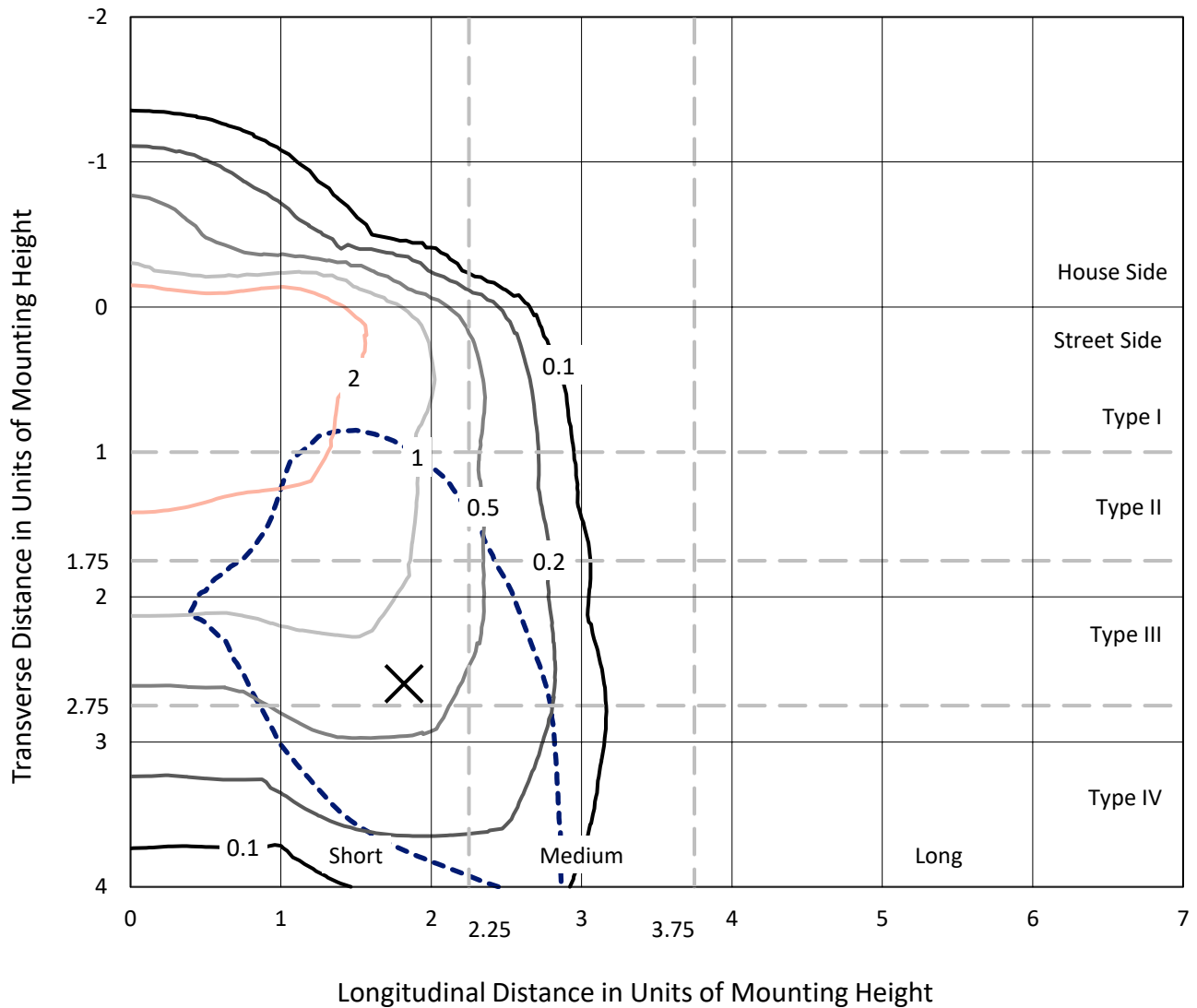
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940748
 CATALOG NUMBER: GALN-SB3D-950-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

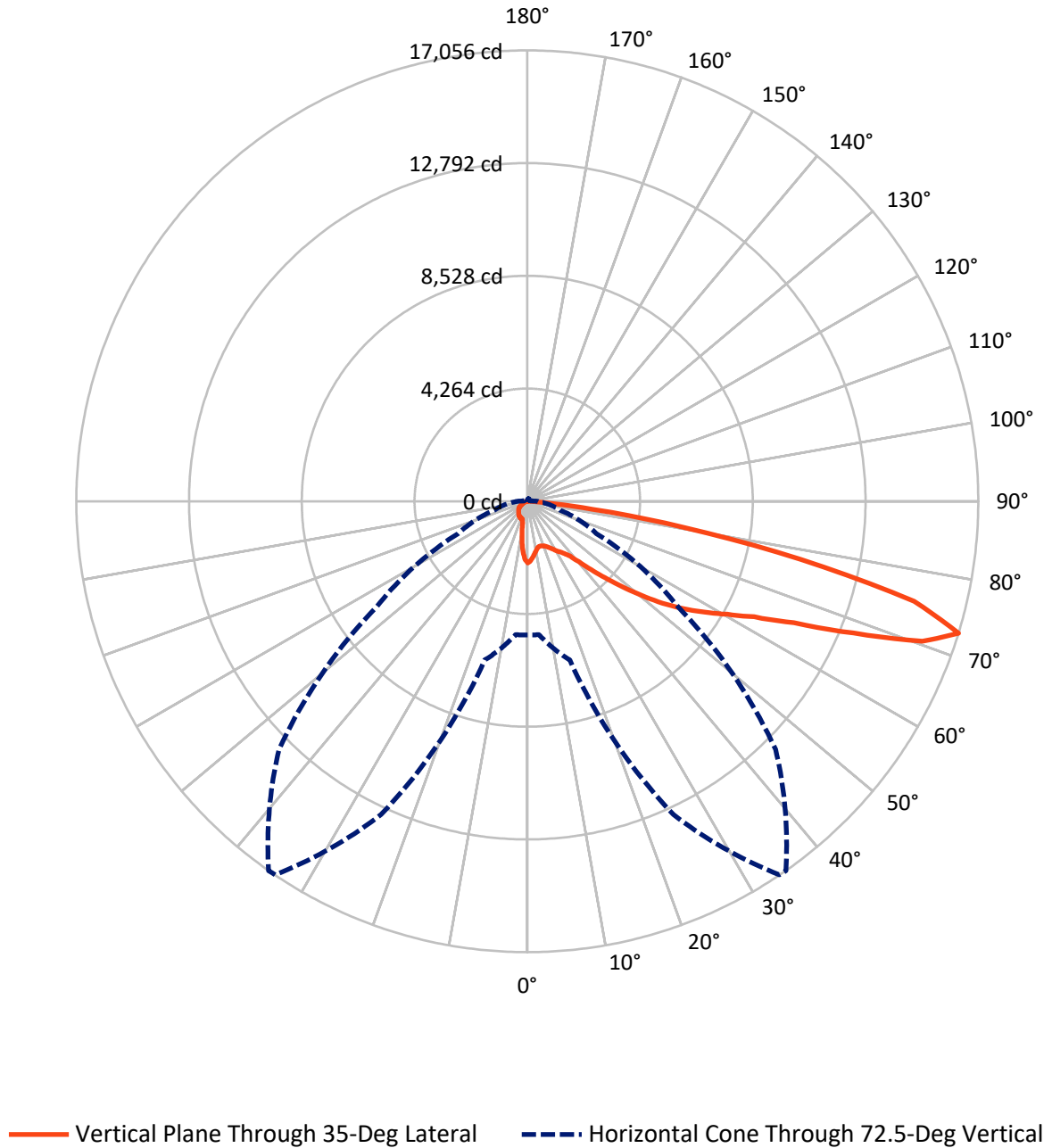
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P940748
CATALOG NUMBER: GALN-SB3D-950-U-T4FT-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P940748
 CATALOG NUMBER: GALN-SB3D-950-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1809.8	0.0	1809.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	14271.2	0.0	14271.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	16081.0	0.0	16081.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.5	1.2
10°-20°	448.0	2.8
20°-30°	727.8	4.5
30°-40°	1214.4	7.6
40°-50°	2297.6	14.3
50°-60°	3650.9	22.7
60°-70°	4516.4	28.1
70°-80°	2807.4	17.5
80°-90°	226.9	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°	16081.0	100.0
0°-180°	16081.0	100.0

Coefficient of Utilization



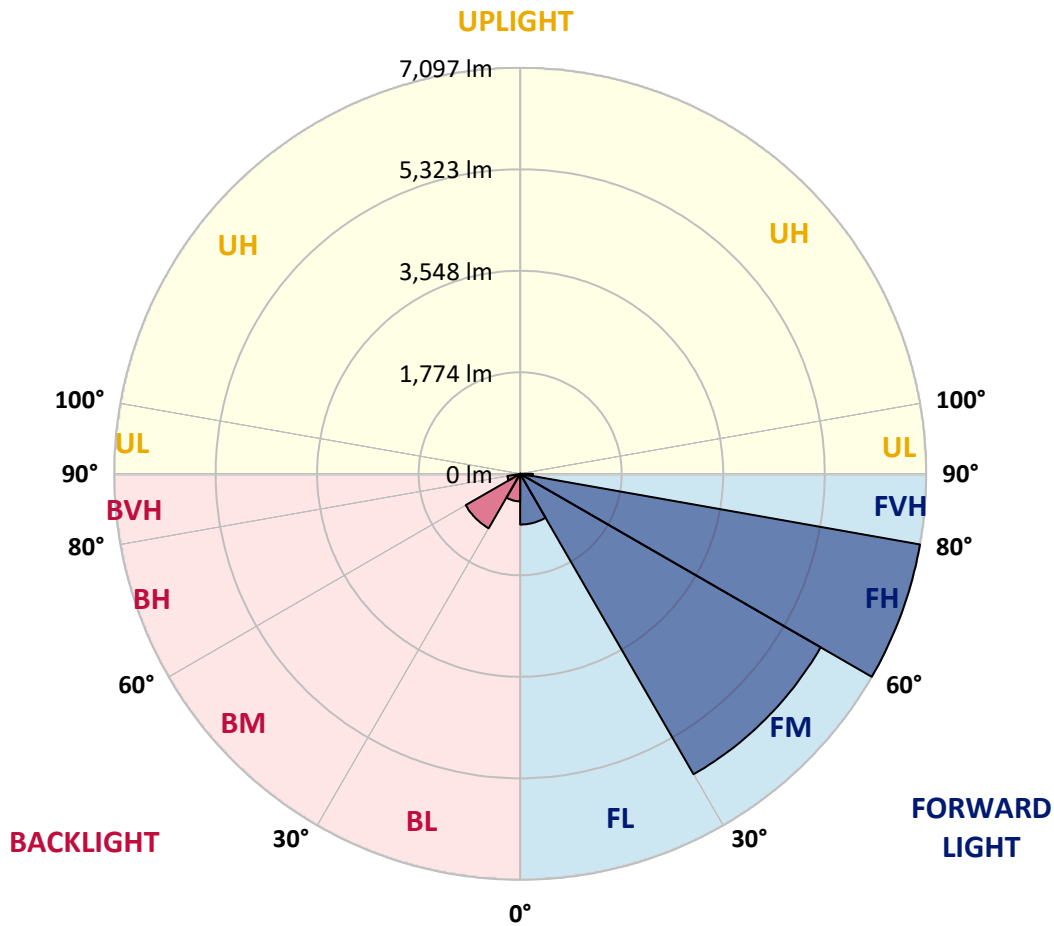
REPORT NUMBER: P940748
 CATALOG NUMBER: GALN-SB3D-950-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	886.5	5.5			
FM (30°-60°)	6064.1	37.7			
FH (60°-80°)	7096.7	44.1			G3/7500
FVH (80°-90°)	223.8	1.4			G2/225
BL (0°-30°)	480.9	3.0	B1/500		
BM (30°-60°)	1098.7	6.8	B2/2500		
BH (60°-80°)	227.1	1.4	B1/500		G1/500
BVH (80°-90°)	3.1	0.0			G0/10
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: P940748
 CATALOG NUMBER: GALN-SB3D-950-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2330.7	2330.7	2330.7	2330.7	2330.7	2330.7	2330.7	2330.7	2330.7	2330.7
2.5°	2227.0	2245.8	2249.4	2255.3	2255.3	2262.3	2274.1	2290.6	2317.7	2331.9
5°	2052.6	2066.7	2084.4	2098.6	2125.7	2129.2	2175.1	2219.9	2282.4	2329.5
7.5°	1877.0	1893.5	1917.1	1951.3	1986.6	1997.2	2066.7	2142.1	2241.1	2329.5
10°	1753.3	1754.5	1775.7	1809.9	1866.4	1879.4	1964.2	2071.5	2195.2	2315.4
12.5°	1683.8	1692.0	1701.5	1727.4	1781.6	1789.8	1880.6	2006.6	2149.2	2307.1
15°	1683.8	1689.7	1695.6	1708.5	1752.1	1759.2	1839.3	1965.4	2125.7	2310.6
17.5°	1701.5	1710.9	1706.2	1721.5	1767.4	1772.2	1842.9	1953.6	2124.5	2333.0
20°	1743.9	1751.0	1741.5	1751.0	1796.9	1806.3	1879.4	1976.0	2144.5	2371.9
22.5°	1811.0	1814.6	1792.2	1799.3	1846.4	1858.2	1943.0	2039.6	2192.8	2434.4
25°	1895.9	1903.0	1868.8	1877.0	1921.8	1935.9	2033.7	2135.1	2269.4	2520.4
27.5°	1993.7	1997.2	1967.8	1966.6	2024.3	2044.3	2143.3	2252.9	2371.9	2628.8
30°	2105.6	2116.2	2087.9	2083.2	2156.3	2172.8	2270.6	2397.8	2522.7	2791.4
32.5°	2194.0	2202.2	2185.7	2197.5	2271.8	2284.7	2424.9	2602.9	2759.6	3022.3
35°	2321.2	2326.0	2288.3	2309.5	2394.3	2427.3	2635.9	2890.4	3057.7	3312.2
37.5°	2782.0	2782.0	2621.7	2516.8	2598.2	2627.6	2924.5	3252.1	3425.3	3701.0
40°	3419.4	3408.8	3174.3	2959.9	2949.3	3007.0	3335.8	3708.1	3900.2	4167.6
42.5°	4099.3	4082.8	3763.5	3551.4	3516.0	3536.1	3810.6	4270.2	4465.8	4736.8
45°	4702.6	4697.9	4405.7	4120.5	4056.9	4120.5	4403.3	4927.6	5067.9	5353.0
47.5°	5208.1	5208.1	4994.8	4808.6	4775.6	4813.4	5205.7	5657.0	5644.1	6009.3
50°	5790.2	5785.4	5582.8	5502.7	5536.8	5589.9	6129.5	6425.3	6240.3	6653.9
52.5°	6197.9	6226.1	6156.6	6143.7	6318.0	6409.9	7067.4	7177.0	6774.0	7265.4
55°	6520.7	6553.7	6633.8	6724.6	7060.4	7180.6	7975.9	7889.9	7220.6	7795.6
57.5°	6977.9	6930.8	7054.5	7233.6	7776.8	7921.7	8856.1	8562.7	7580.0	8225.7
60°	7532.9	7539.9	7561.1	7787.4	8492.0	8678.2	9723.3	9199.0	7810.9	8489.6
62.5°	8199.8	8210.4	8254.0	8601.6	9452.3	9627.9	10647.1	9719.8	7917.0	8415.4
65°	8153.8	8198.6	8685.2	9874.1	10912.2	11085.4	11725.3	10085.1	7756.7	7736.7
67.5°	7428.0	7501.1	8315.3	11394.2	13113.3	13306.5	13028.5	10156.9	7065.1	6016.4
70°	6475.9	6501.9	7481.0	12761.0	15662.0	15857.6	14195.0	9366.3	5361.3	3355.8
72.5°	5057.3	5063.2	6212.0	13077.9	17045.3	17055.9	13279.4	6953.1	2883.3	1289.1
75°	3612.7	3577.3	4160.6	10605.9	14996.2	15116.4	9955.5	3261.5	1101.7	609.2
77.5°	1937.1	1976.0	2354.2	6289.8	10359.6	10564.6	5432.0	940.3	560.9	414.8
80°	598.6	631.6	965.0	2879.8	5867.9	5991.7	2013.7	418.3	391.2	295.8
82.5°	188.5	195.6	450.1	1210.1	2435.5	2492.1	583.3	236.8	267.5	195.6
85°	54.2	55.4	200.3	451.3	602.1	613.9	163.8	91.9	153.2	121.4
87.5°	5.9	18.9	75.4	75.4	53.0	51.8	17.7	20.0	43.6	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940748
 CATALOG NUMBER: GALN-SB3D-950-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2330.7	0°	2330.7	2330.7	2330.7	2330.7	2330.7	2330.7	2330.7	2330.7	2330.7	2330.7
2341.3	2.5°	2335.4	2336.6	2321.2	2295.3	2267.0	2243.5	2214.0	2190.5	2174.0	2169.2
2362.5	5°	2351.9	2343.6	2300.0	2221.1	2126.8	2045.5	1954.8	1882.9	1835.8	1815.8
2384.9	7.5°	2376.6	2353.1	2257.6	2102.1	1921.8	1761.6	1599.0	1472.9	1392.7	1352.7
2406.1	10°	2397.8	2350.7	2186.9	1930.1	1654.3	1411.6	1192.4	1040.4	955.6	915.5
2430.8	12.5°	2417.9	2349.5	2095.0	1726.2	1352.7	1055.8	851.9	776.5	752.9	744.7
2470.9	15°	2455.6	2353.1	1979.5	1492.9	1052.2	797.7	723.5	722.3	727.0	724.7
2532.2	17.5°	2507.4	2356.6	1848.8	1245.5	811.8	703.4	699.9	710.5	717.6	714.0
2608.8	20°	2574.6	2370.7	1709.7	1000.4	697.6	679.9	688.1	697.6	703.4	697.6
2711.3	22.5°	2668.8	2395.5	1557.7	803.6	661.0	665.7	672.8	683.4	689.3	681.1
2842.1	25°	2784.3	2434.4	1408.1	698.7	643.4	649.2	659.8	671.6	678.7	670.5
3007.0	27.5°	2934.0	2496.8	1270.2	675.2	625.7	629.2	644.5	662.2	671.6	661.0
3241.5	30°	3150.8	2599.3	1151.2	685.8	615.1	606.8	628.0	652.8	663.4	654.0
3560.8	32.5°	3438.3	2744.3	1078.1	702.3	610.4	580.9	600.9	632.7	650.4	644.5
3977.9	35°	3815.3	2964.6	1049.9	721.1	606.8	553.8	567.9	602.1	632.7	638.6
4503.5	37.5°	4272.5	3271.0	1058.1	729.4	596.2	531.4	538.5	567.9	608.0	626.9
5095.0	40°	4792.1	3628.0	1105.2	721.1	584.4	512.6	513.7	536.1	571.5	599.8
5731.2	42.5°	5328.3	4045.1	1192.4	690.5	573.8	496.1	492.5	507.8	531.4	551.4
6366.4	45°	5838.5	4474.0	1278.5	648.1	560.9	479.6	471.3	477.2	481.9	490.2
6985.0	47.5°	6283.9	4775.6	1253.7	609.2	543.2	460.7	446.6	444.2	430.1	428.9
7537.6	50°	6591.4	4841.6	1113.5	570.3	517.3	439.5	417.1	403.0	378.2	366.5
7951.2	52.5°	6689.2	4581.2	909.6	531.4	474.9	411.2	379.4	357.0	326.4	315.8
8189.2	55°	6559.6	4071.0	727.0	484.3	415.9	373.5	338.2	308.7	284.0	271.0
8215.1	57.5°	6242.6	3421.8	575.0	428.9	353.5	331.1	295.8	266.3	245.1	232.1
7927.6	60°	5717.1	2717.2	454.8	362.9	301.6	285.1	248.6	229.8	210.9	195.6
7185.3	62.5°	4919.4	1939.5	357.0	287.5	252.2	233.3	212.1	198.0	175.6	154.4
5850.3	65°	3838.9	1186.5	275.7	210.9	202.7	193.2	180.3	167.3	140.2	119.0
3816.5	67.5°	2421.4	562.0	196.8	159.1	160.2	155.5	149.6	139.0	119.0	100.2
1709.7	70°	1066.4	272.2	129.6	121.4	119.0	119.0	123.7	120.2	101.3	83.7
593.9	72.5°	362.9	146.1	96.6	91.9	86.0	84.8	103.7	100.2	81.3	64.8
295.8	75°	189.7	97.8	70.7	66.0	51.8	62.4	82.5	77.8	57.7	42.4
195.6	77.5°	123.7	69.5	48.3	42.4	29.5	41.2	61.3	54.2	34.2	21.2
128.4	80°	77.8	46.0	28.3	20.0	14.1	22.4	33.0	23.6	13.0	4.7
75.4	82.5°	41.2	23.6	10.6	7.1	5.9	7.1	8.2	5.9	2.4	0.0
38.9	85°	16.5	8.2	3.5	2.4	1.2	0.0	2.4	1.2	0.0	0.0
7.1	87.5°	5.9	1.2	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

<u>180°</u>
2330.7
2177.5
1822.8
1358.6
916.7
742.3
723.5
712.9
696.4
679.9
669.3
661.0
652.8
644.5
638.6
631.6
609.2
559.7
494.9
427.7
367.6
314.6
271.0
229.8
192.1
150.8
115.5
97.8
80.1
61.3
38.9
18.9
3.5
0.0
0.0
0.0
0.0

F REPORT)