

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: P956877

Luminaire Tested: **GALN-SB9B-927-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-927-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31799 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

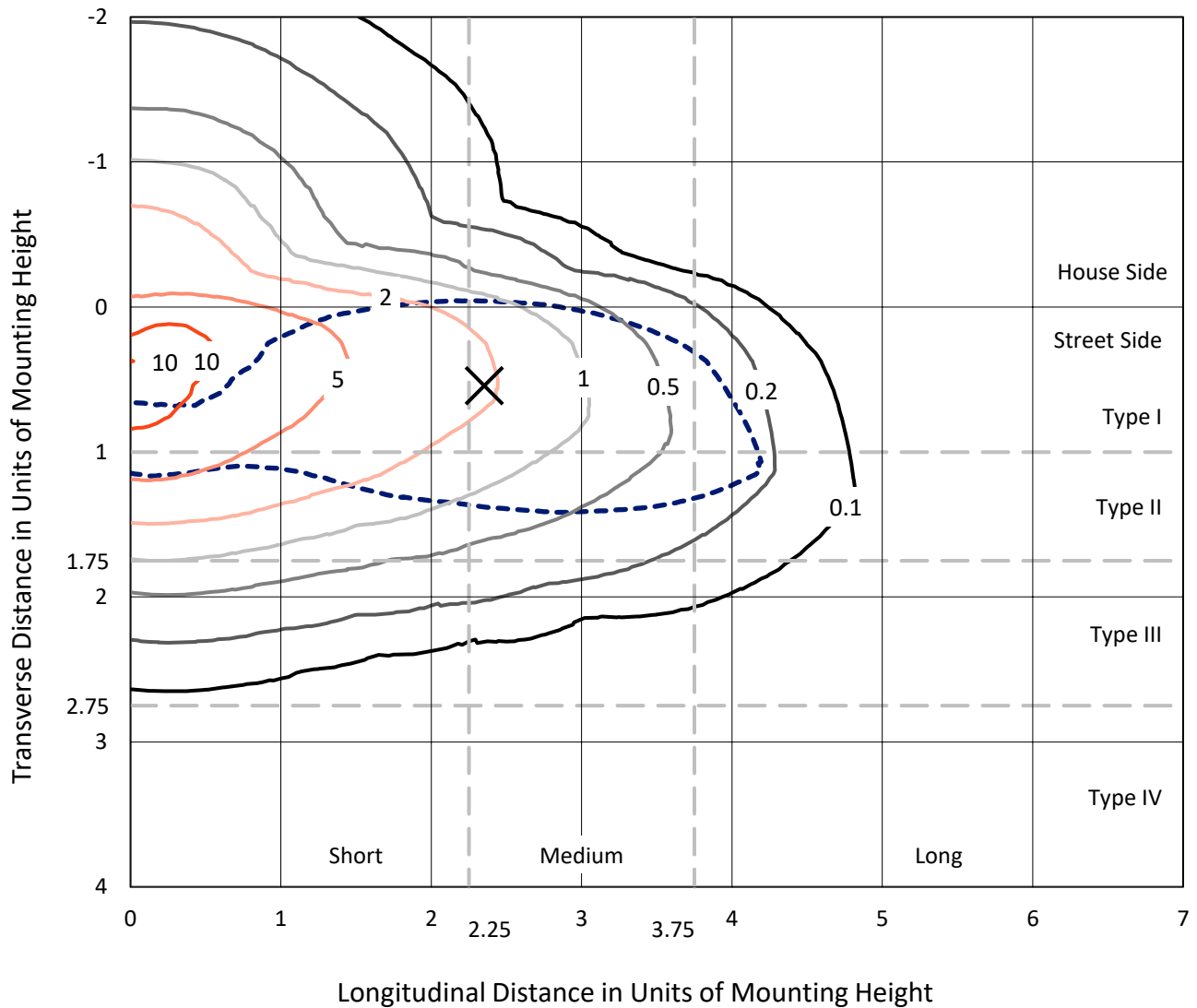
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956877
 CATALOG NUMBER: GALN-SB9B-927-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

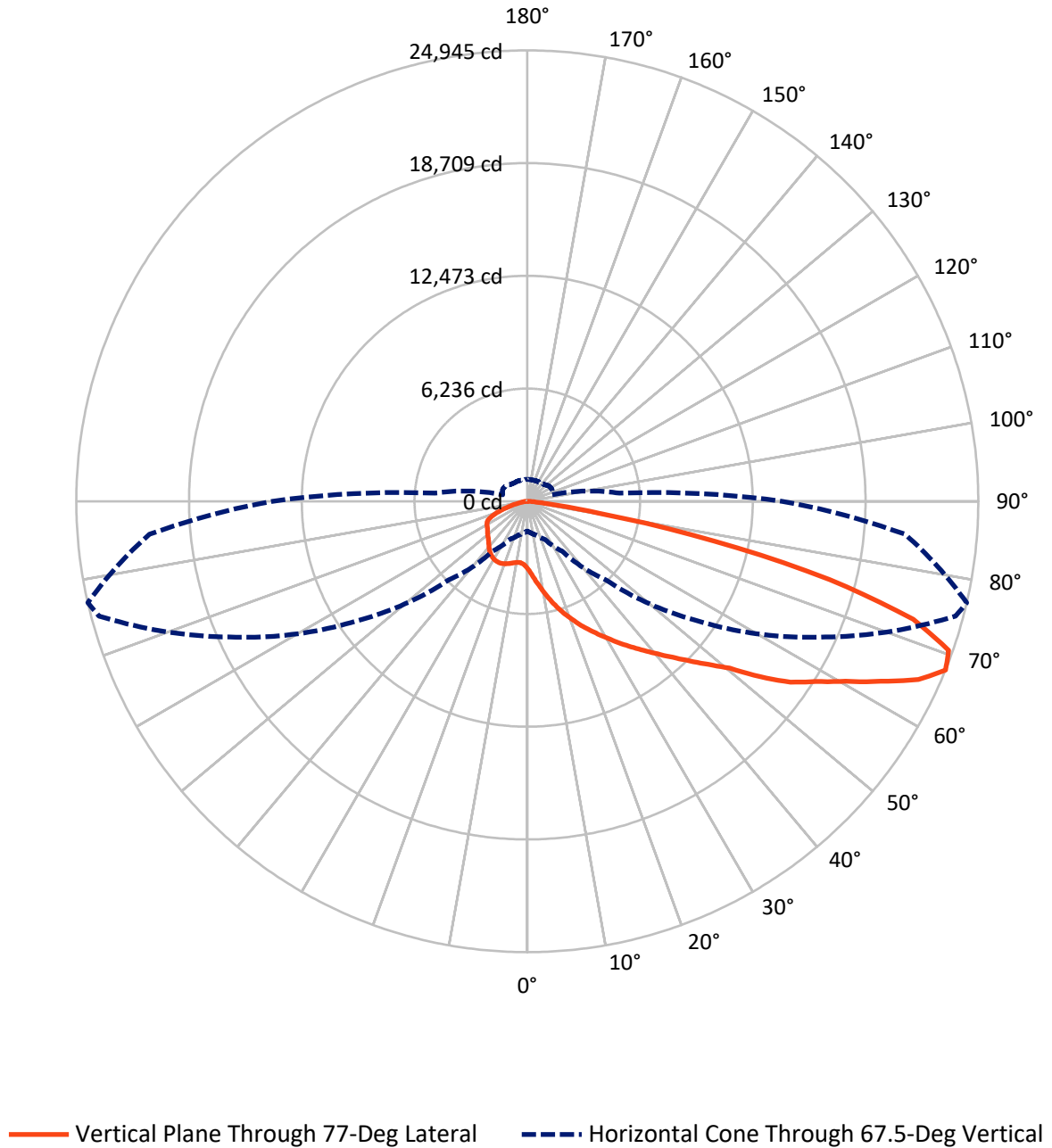
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P956877
CATALOG NUMBER: GALN-SB9B-927-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P956877
 CATALOG NUMBER: GALN-SB9B-927-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6015.1	0.0	6015.1
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	25783.9	0.0	25783.9
	% Fixture	81.1	0.0	81.1
Total	Lumens	31799.0	0.0	31799.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.9	1.3
10°-20°	1436.7	4.5
20°-30°	2712.7	8.5
30°-40°	4370.1	13.7
40°-50°	5977.5	18.8
50°-60°	6742.7	21.2
60°-70°	6293.4	19.8
70°-80°	3449.9	10.8
80°-90°	416.1	1.3
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°	31799.0	100.0
0°-180°	31799.0	100.0



REPORT NUMBER: P956877

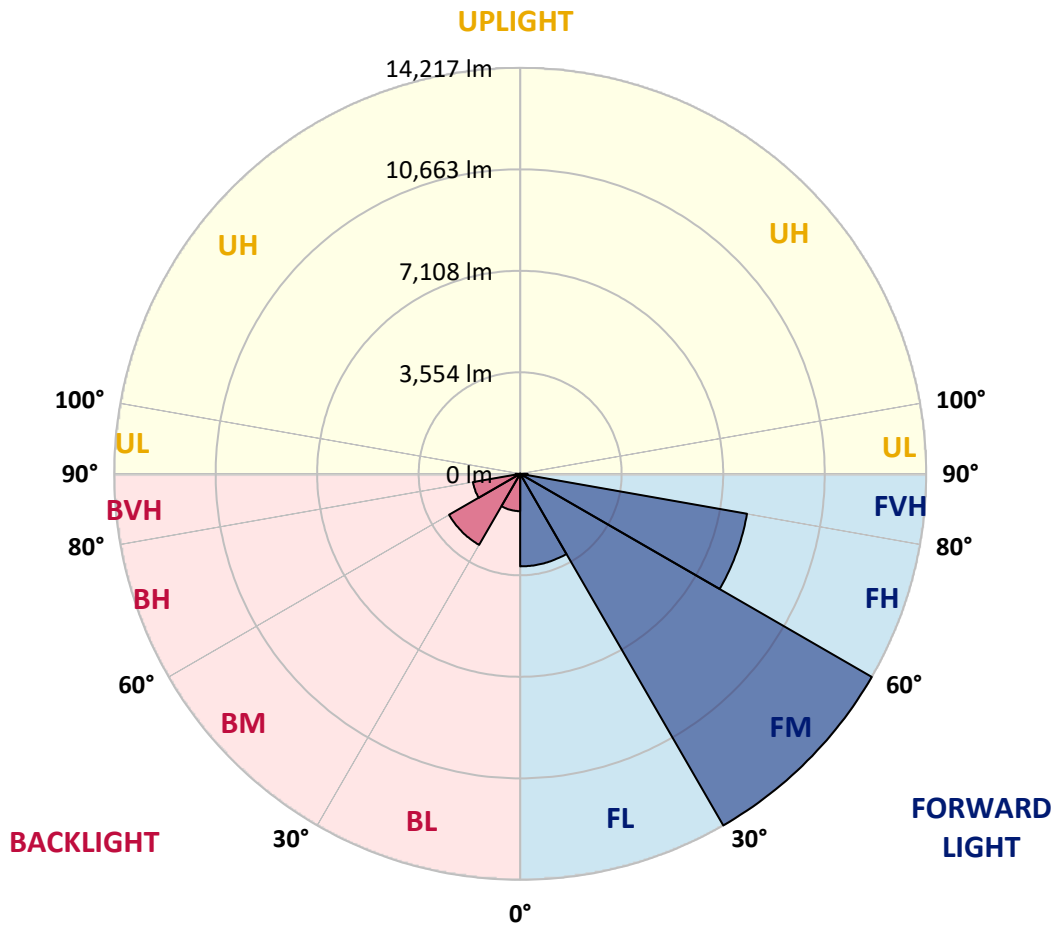
CATALOG NUMBER: GALN-SB9B-927-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3241.5	10.2			
FM (30°-60°)	14217.0	44.7			
FH (60°-80°)	8065.2	25.4			G4/12000
FVH (80°-90°)	260.2	0.8			G3/500
BL (0°-30°)	1307.8	4.1	B3/2500		
BM (30°-60°)	2873.3	9.0	B3/5000		
BH (60°-80°)	1678.1	5.3	B3/2500		G3/2500
BVH (80°-90°)	155.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



REPORT NUMBER: P956877
 CATALOG NUMBER: GALN-SB9B-927-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	4671.6	4704.4	4663.4	4663.4	4525.5	4453.2	4315.4	4210.3	4021.5	3988.7
5°	5521.8	5562.9	5505.4	5480.8	5318.3	5168.9	4937.5	4709.3	4372.8	4338.3
7.5°	6180.1	6232.6	6181.7	6155.4	6011.0	5843.6	5572.7	5254.3	4779.9	4712.6
10°	6716.8	6725.0	6708.6	6718.4	6605.2	6467.3	6189.9	5818.9	5226.4	5134.4
12.5°	7020.5	7058.2	7091.1	7150.1	7130.4	7045.1	6795.6	6352.4	5699.1	5580.9
15°	7163.3	7228.9	7302.8	7439.0	7549.0	7570.4	7379.9	6925.3	6180.1	6037.2
17.5°	7214.2	7276.5	7393.1	7590.1	7826.4	7985.6	7900.3	7481.7	6656.1	6491.9
20°	7471.9	7489.9	7560.5	7747.6	8003.7	8268.0	8332.0	8016.8	7127.2	6941.7
22.5°	8023.4	7987.3	8007.0	8092.3	8276.2	8532.2	8678.3	8489.6	7611.4	7398.0
25°	8934.4	8829.3	8724.3	8625.8	8719.4	8863.8	9029.6	8962.3	8118.6	7847.8
27.5°	10085.1	9957.0	9725.6	9402.2	9289.0	9339.8	9413.7	9400.6	8588.1	8313.9
30°	11217.7	11068.3	10792.5	10324.7	10026.0	9891.4	9835.6	9797.8	9098.5	8806.4
32.5°	12122.1	12003.9	11733.1	11209.4	10776.1	10546.3	10360.8	10226.2	9632.0	9339.8
35°	12913.3	12803.3	12493.1	11921.8	11450.7	11206.2	10963.2	10676.0	10186.8	9891.4
37.5°	13635.5	13525.5	13100.4	12506.2	12031.8	11862.7	11646.1	11158.6	10743.3	10464.2
40°	14091.8	14067.2	13670.0	12997.0	12504.5	12420.8	12348.6	11718.3	11360.5	11101.1
42.5°	14208.4	14262.5	13947.4	13394.2	12924.8	12857.5	13026.5	12351.9	12053.2	11805.3
45°	13927.7	14083.6	13876.8	13500.9	13223.5	13187.4	13627.3	13044.6	12819.7	12593.2
47.5°	13216.9	13481.2	13395.9	13343.3	13303.9	13459.9	14155.8	13780.0	13688.0	13491.1
50°	11782.3	12283.0	12432.3	12763.9	13144.7	13671.6	14636.8	14582.6	14702.4	14503.8
52.5°	9302.1	9991.5	10858.2	11688.7	12655.6	13601.0	15165.3	15734.9	16240.5	16132.1
55°	7678.7	7988.9	8655.4	10178.6	11706.8	13303.9	15403.3	16665.6	17767.0	17670.2
57.5°	6431.2	6708.6	7119.0	8391.1	10272.2	12629.3	15551.1	17233.6	18812.6	18802.8
60°	5093.4	5387.2	5807.4	6708.6	8596.3	11463.9	15518.2	17880.3	20147.1	20229.2
62.5°	3583.3	3906.6	4372.8	5213.2	6884.2	9953.7	14848.5	18348.1	21718.0	21941.2
65°	2355.5	2568.9	2920.1	3645.7	5129.5	8011.9	13569.8	18408.8	23398.8	23776.4
67.5°	1651.3	1733.4	1940.2	2334.1	3381.4	6143.9	11532.8	17780.2	24519.9	24945.1
70°	1288.5	1329.6	1434.6	1592.2	2124.0	4131.5	8837.6	16145.3	24280.3	24723.5
72.5°	1112.9	1152.3	1191.7	1211.4	1424.8	2550.8	5986.4	13499.3	22023.3	22323.7
75°	1009.5	1019.3	1052.2	1045.6	1086.6	1654.6	3455.2	9835.6	17376.4	17273.0
77.5°	848.6	861.8	915.9	907.7	965.2	1131.0	1794.1	6347.5	11265.3	10562.7
80°	719.0	725.5	784.6	774.8	838.8	819.1	915.9	3235.3	4778.3	4047.8
82.5°	249.5	308.6	599.1	617.2	640.2	495.7	528.5	1319.7	1459.2	1117.8
85°	121.5	129.7	305.3	433.3	431.7	249.5	257.7	471.1	459.6	361.1
87.5°	19.7	24.6	36.1	169.1	134.6	65.7	88.6	91.9	95.2	82.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956877
 CATALOG NUMBER: GALN-SB9B-927-U-T2R

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3731.0	0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
3864.0	2.5°	3772.0	3690.0	3517.6	3358.4	3233.7	3113.8	3046.5	2989.1	2956.2	2949.7
4044.5	5°	3873.8	3704.7	3391.2	3127.0	2954.6	2826.6	2759.3	2716.6	2695.3	2682.1
4287.5	7.5°	4019.9	3772.0	3325.6	3025.2	2844.6	2752.7	2718.2	2711.7	2710.0	2711.7
4581.3	10°	4221.8	3882.0	3319.0	3000.6	2849.6	2798.7	2797.0	2798.7	2805.2	2806.9
4901.4	12.5°	4440.1	3995.3	3345.3	3021.9	2911.9	2884.0	2879.1	2877.5	2882.4	2885.7
5224.7	15°	4678.1	4144.7	3389.6	3067.9	2980.9	2951.3	2946.4	2936.5	2934.9	2933.3
5564.5	17.5°	4922.7	4292.4	3438.8	3117.1	3025.2	2984.2	2966.1	2943.1	2925.1	2920.1
5915.8	20°	5170.6	4438.5	3473.3	3141.7	3028.5	2971.0	2934.9	2895.5	2864.3	2846.3
6270.3	22.5°	5434.8	4591.1	3494.6	3135.2	2998.9	2920.1	2854.5	2808.5	2760.9	2729.7
6628.2	25°	5692.5	4724.1	3493.0	3100.7	2941.5	2841.3	2757.6	2698.5	2632.9	2600.1
6997.5	27.5°	5940.4	4843.9	3452.0	3040.0	2859.4	2747.8	2647.7	2577.1	2513.1	2481.9
7370.1	30°	6196.5	4944.0	3387.9	2951.3	2762.6	2639.4	2529.5	2468.7	2411.3	2381.7
7764.0	32.5°	6450.9	5036.0	3297.7	2841.3	2650.9	2532.8	2424.4	2368.6	2334.1	2334.1
8187.5	35°	6720.1	5100.0	3177.8	2713.3	2532.8	2419.5	2334.1	2301.3	2298.0	2278.3
8635.7	37.5°	7004.1	5141.0	3031.8	2582.0	2416.2	2309.5	2283.3	2243.9	2211.0	2168.4
9128.1	40°	7302.8	5182.1	2856.1	2445.8	2293.1	2234.0	2222.5	2170.0	2076.4	1971.4
9686.2	42.5°	7665.6	5210.0	2673.9	2309.5	2163.4	2143.7	2160.1	2069.9	1920.5	1841.7
10359.2	45°	8085.8	5255.9	2506.5	2174.9	2030.5	2030.5	2099.4	1981.2	1858.1	1808.9
11127.4	47.5°	8630.7	5362.6	2350.6	2027.2	1907.4	1940.2	1964.8	1874.5	1805.6	1744.9
12063.0	50°	9418.6	5618.7	2189.7	1877.8	1813.8	1879.5	1845.0	1792.5	1712.0	1662.8
13550.2	52.5°	10396.9	5769.7	2046.9	1743.2	1733.4	1799.0	1749.8	1700.5	1639.8	1574.1
14677.8	55°	11063.4	5797.6	1927.1	1644.7	1679.2	1672.6	1654.6	1610.3	1577.4	1490.4
15790.7	57.5°	11808.6	5853.4	1828.6	1585.6	1644.7	1572.5	1565.9	1528.2	1485.5	1426.4
17148.2	60°	12699.9	5940.4	1743.2	1562.7	1615.2	1506.8	1474.0	1459.2	1416.6	1387.0
18781.4	62.5°	13671.6	6019.2	1656.2	1565.9	1580.7	1442.8	1393.6	1388.7	1362.4	1352.6
20314.6	65°	14334.8	5804.2	1547.9	1562.7	1526.5	1377.2	1314.8	1313.2	1291.8	1288.5
20979.3	67.5°	14103.3	5123.0	1401.8	1516.7	1470.7	1311.5	1242.6	1236.0	1208.1	1209.7
20285.0	70°	12944.5	4151.2	1199.9	1403.4	1401.8	1252.4	1167.1	1145.7	1108.0	1114.5
17637.4	72.5°	10771.2	3076.1	929.1	1214.7	1291.8	1198.3	1080.1	1045.6	998.0	1004.6
13020.0	75°	7778.8	2091.2	676.3	924.1	1124.4	1134.2	994.7	935.6	878.2	888.0
7247.0	77.5°	3980.5	1185.1	497.4	636.9	883.1	1030.8	917.6	838.8	825.6	917.6
2089.6	80°	1298.4	594.2	344.7	446.5	579.4	843.7	804.3	714.0	710.7	732.1
438.3	82.5°	387.4	251.1	221.6	293.8	320.1	646.7	694.3	540.0	464.5	489.2
146.1	85°	133.0	121.5	126.4	146.1	152.7	379.2	485.9	357.8	338.1	372.6
32.8	87.5°	31.2	42.7	36.1	32.8	32.8	91.9	188.8	149.4	206.8	137.9
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>
3731.0
2949.7
2680.5
2716.6
2808.5
2887.3
2931.6
2925.1
2852.8
2731.4
2600.1
2480.2
2380.1
2335.8
2273.4
2161.8
1956.6
1843.3
1817.1
1743.2
1657.9
1561.0
1492.1
1406.7
1395.2
1352.6
1286.9
1209.7
1121.1
1002.9
891.3
904.4
628.7
505.6
367.7
133.0
0.0

F REPORT)