

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: P944445

Luminaire Tested: **GALN-SB9B-927-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
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-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30934 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

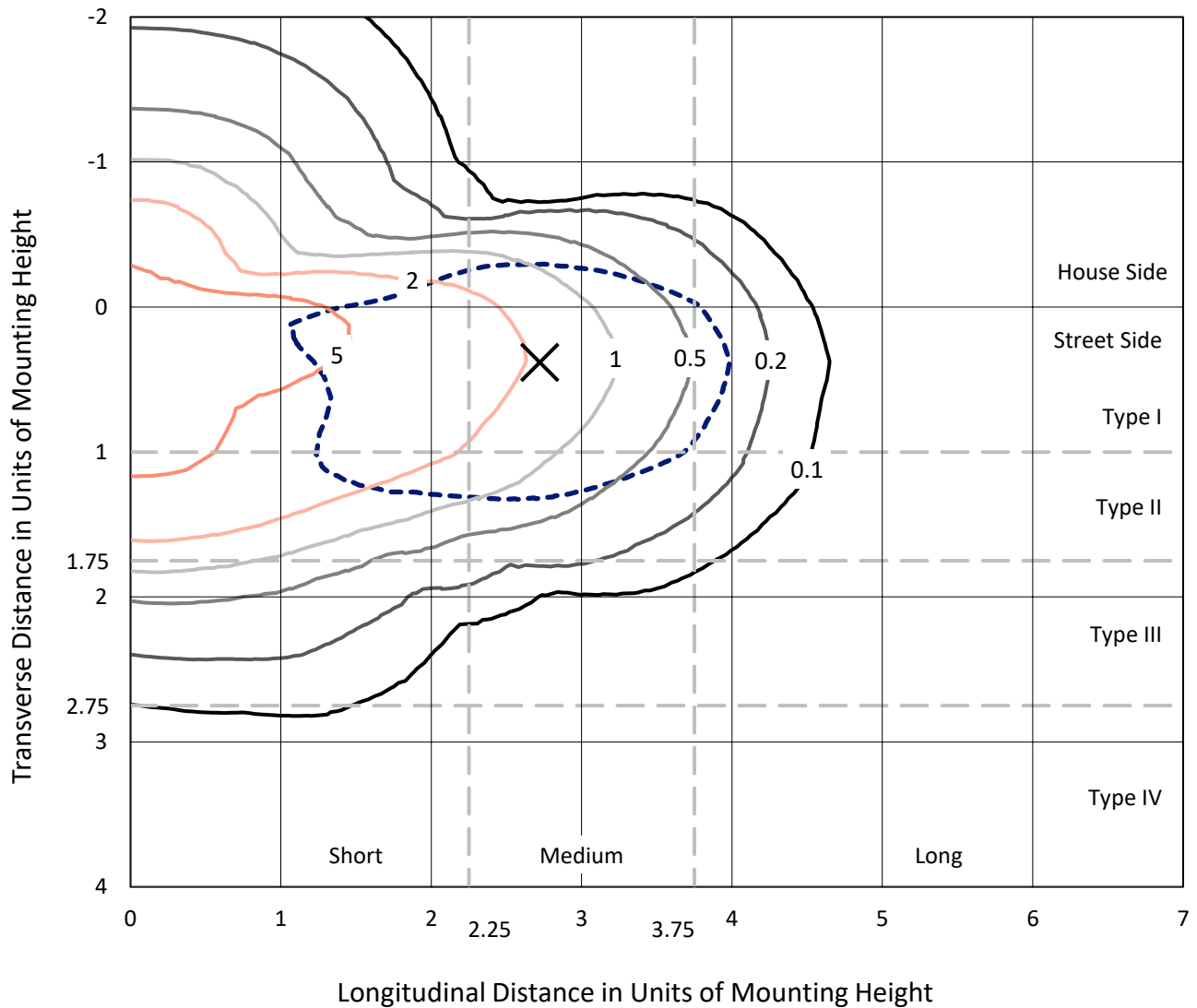
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P944445
 CATALOG NUMBER: GALN-SB9B-927-U-T2

Iso-Footcandle Lines of Horizontal Illumination

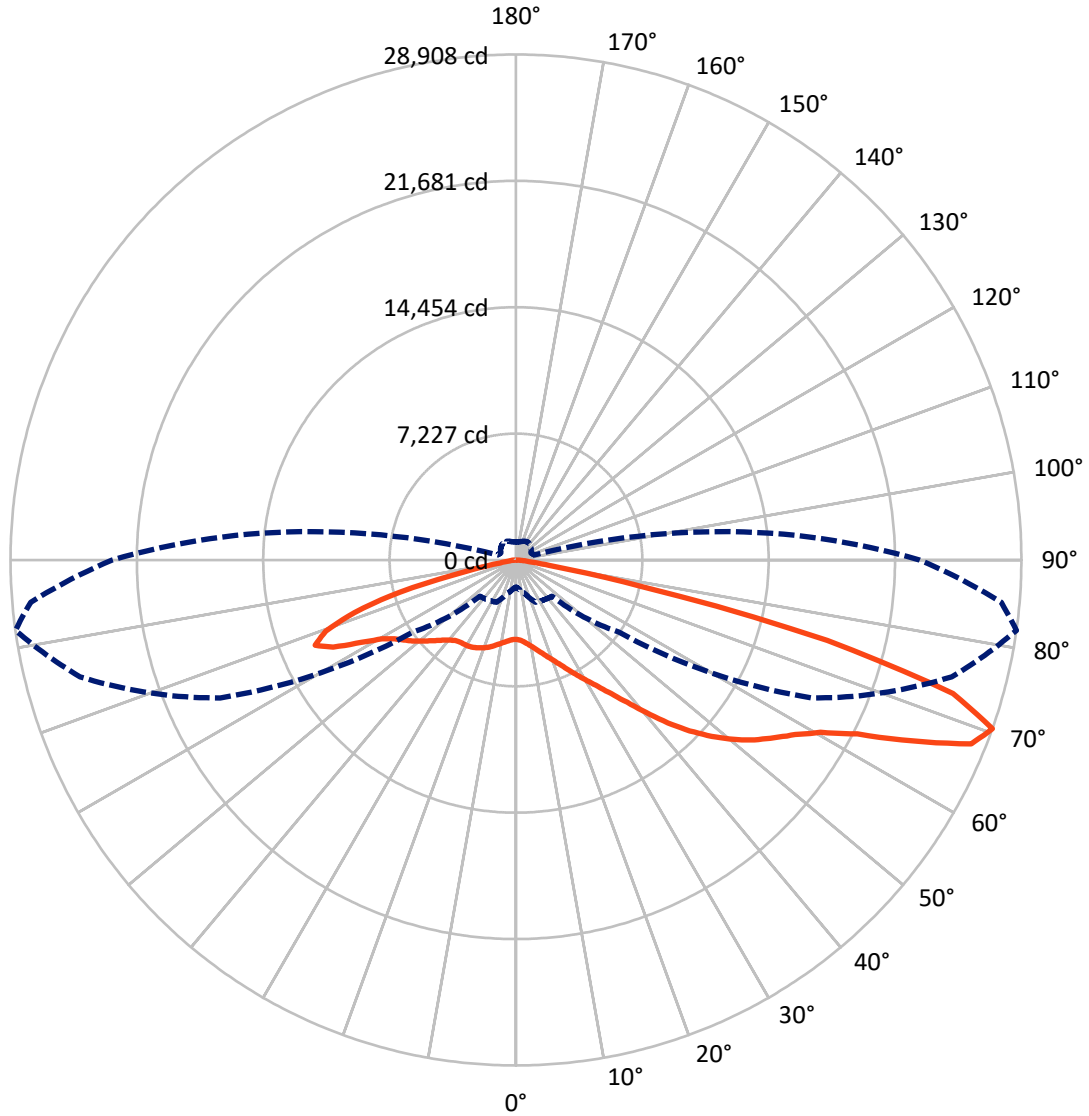
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P944445
CATALOG NUMBER: GALN-SB9B-927-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P944445

CATALOG NUMBER: GALN-SB9B-927-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7626.0	0.0	7626.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	23308.0	0.0	23308.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	30934.0	0.0	30934.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.2	1.4
10°-20°	1230.3	4.0
20°-30°	2058.1	6.7
30°-40°	3215.3	10.4
40°-50°	5120.8	16.6
50°-60°	7126.2	23.0
60°-70°	7454.4	24.1
70°-80°	3896.1	12.6
80°-90°	404.6	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°	30934.0	100.0
0°-180°	30934.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944445

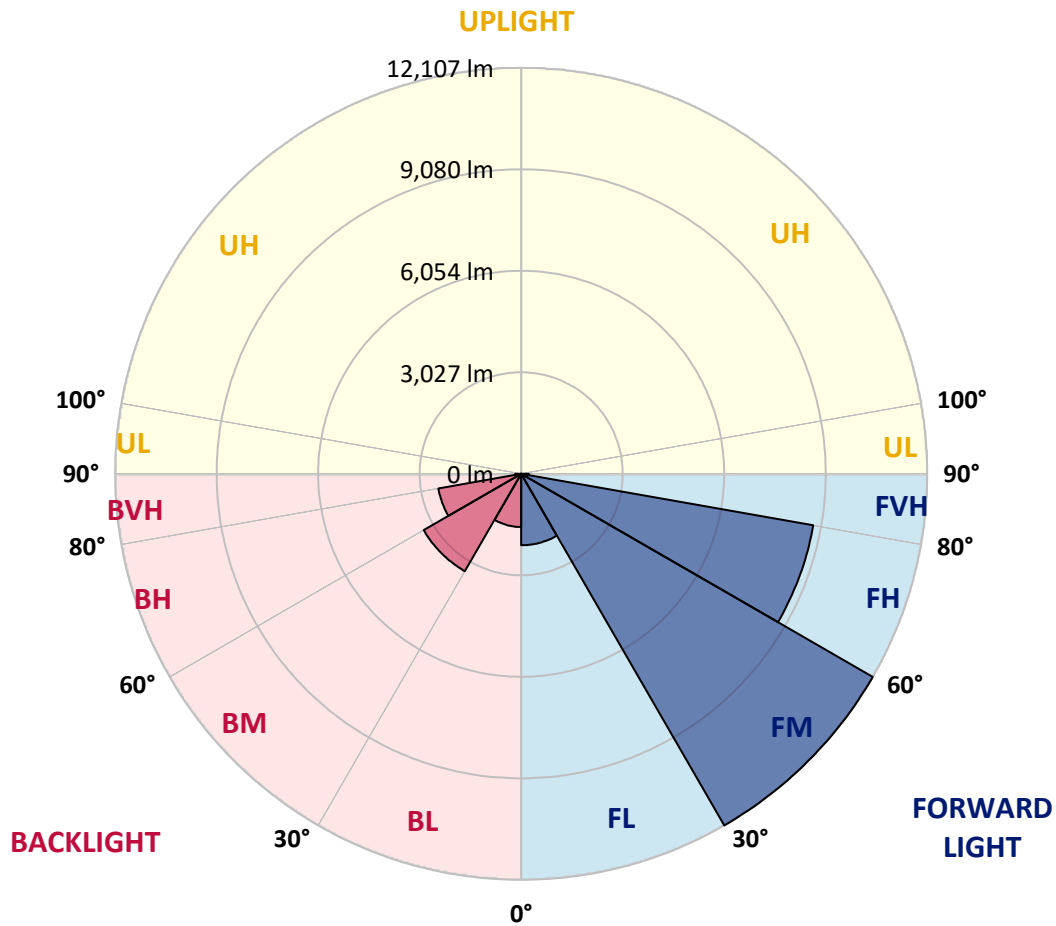
CATALOG NUMBER: GALN-SB9B-927-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2130.1	6.9			
FM (30°-60°)	12107.3	39.1			
FH (60°-80°)	8844.1	28.6			G4/12000
FVH (80°-90°)	226.5	0.7			G3/500
BL (0°-30°)	1586.5	5.1	B3/2500		
BM (30°-60°)	3355.1	10.8	B3/5000		
BH (60°-80°)	2506.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	178.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



REPORT NUMBER: P944445

CATALOG NUMBER: GALN-SB9B-927-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4535.3	4535.3	4535.3	4535.3	4535.3	4535.3	4535.3	4535.3	4535.3	4535.3
2.5°	4643.6	4669.9	4661.7	4653.5	4653.5	4642.0	4640.4	4623.9	4610.8	4589.5
5°	4702.7	4730.6	4727.4	4733.9	4755.3	4760.2	4765.1	4755.3	4729.0	4702.7
7.5°	4650.2	4681.4	4691.2	4730.6	4796.3	4855.4	4899.7	4917.8	4893.1	4855.4
10°	4472.9	4507.4	4541.9	4635.4	4752.0	4891.5	5009.7	5080.3	5075.3	5039.2
12.5°	4113.5	4149.6	4223.4	4405.6	4619.0	4865.2	5085.2	5232.9	5283.8	5257.5
15°	3826.2	3857.4	3913.2	4100.3	4377.7	4752.0	5113.1	5400.4	5530.0	5515.3
17.5°	3818.0	3831.1	3865.6	3954.2	4167.6	4574.7	5083.6	5564.5	5812.4	5810.7
20°	3962.4	3967.4	3987.1	4005.1	4126.6	4440.1	5008.0	5700.7	6129.2	6129.2
22.5°	4162.7	4159.4	4179.1	4162.7	4221.8	4428.6	4960.4	5820.6	6482.1	6508.3
25°	4463.1	4446.7	4441.7	4404.0	4415.5	4535.3	5013.0	5956.8	6900.6	6954.8
27.5°	4863.6	4837.3	4819.3	4732.3	4702.7	4755.3	5173.8	6120.9	7366.8	7460.4
30°	5385.6	5338.0	5311.7	5160.7	5054.0	5062.2	5416.8	6339.3	7854.3	8005.3
32.5°	6098.0	6024.1	5953.5	5705.7	5510.3	5446.3	5730.3	6641.3	8382.9	8624.1
35°	6895.7	6836.6	6761.1	6378.7	6078.3	5930.5	6153.8	7063.1	9001.7	9384.1
37.5°	7663.9	7613.0	7649.1	7133.7	6746.3	6531.3	6708.6	7629.4	9765.0	10329.6
40°	8458.4	8419.0	8423.9	7931.5	7480.1	7238.8	7381.6	8340.2	10639.8	11454.0
42.5°	9321.8	9292.2	9193.7	8757.1	8249.9	8025.0	8156.3	9160.9	11578.7	12734.3
45°	10288.6	10270.5	10178.6	9678.0	9096.9	8844.1	9021.4	10067.0	12522.6	13939.1
47.5°	11124.1	11138.8	11127.4	10705.5	10103.1	9732.1	9943.9	11012.5	13400.8	15071.7
50°	11526.2	11603.4	11716.6	11585.3	11211.1	10833.5	10874.6	11925.1	14237.9	16133.8
52.5°	11316.1	11462.2	11770.8	11980.9	12125.4	12046.6	11936.6	12831.2	15025.8	17092.4
55°	10533.1	10738.3	11250.5	11757.7	12494.7	13067.5	13212.0	13835.7	15794.0	17936.1
57.5°	9106.7	9439.9	9899.6	10925.5	12166.4	13561.6	14699.1	15229.3	16608.1	18837.2
60°	6661.0	7107.5	7678.7	9205.2	11017.4	13297.3	15964.7	17369.8	17765.4	20004.3
62.5°	4262.8	4538.6	5063.9	6501.8	8584.8	11943.2	16352.1	20045.3	19726.9	21918.2
65°	2918.5	3095.8	3576.7	4384.3	5549.7	8890.1	15314.7	22051.2	22842.3	24951.6
67.5°	2120.7	2255.3	2665.7	3373.2	3616.1	5260.8	11884.1	21959.2	25870.8	28076.9
70°	1546.2	1641.4	1986.1	2665.7	2782.2	2926.7	7199.4	18666.5	25805.1	28907.5
72.5°	1145.7	1211.4	1442.8	2068.2	2252.1	1976.3	3563.6	13566.5	22174.3	26146.6
75°	828.9	878.2	1048.9	1582.4	1802.3	1505.2	1777.7	7928.2	15467.3	18392.4
77.5°	633.6	671.4	783.0	1158.9	1442.8	1129.3	1103.1	3647.3	7334.0	7370.1
80°	508.8	533.5	594.2	815.8	1106.3	845.3	719.0	1472.4	2317.7	1961.5
82.5°	374.2	415.3	502.3	572.9	791.2	582.7	438.3	743.6	881.5	758.3
85°	213.4	241.3	303.7	410.4	505.6	356.2	251.1	329.9	410.4	336.5
87.5°	75.5	98.5	106.7	160.9	220.0	147.7	96.8	95.2	134.6	100.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P944445
 CATALOG NUMBER: GALN-SB9B-927-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4535.3	0°	4535.3	4535.3	4535.3	4535.3	4535.3	4535.3	4535.3	4535.3	4535.3	4535.3
4584.6	2.5°	4568.1	4559.9	4527.1	4482.8	4436.8	4392.5	4377.7	4346.5	4325.2	4313.7
4691.2	5°	4660.1	4633.8	4556.6	4458.2	4354.8	4243.1	4164.3	4092.1	4039.6	3990.4
4837.3	7.5°	4791.4	4745.4	4612.5	4440.1	4256.3	4070.8	3932.9	3827.8	3757.3	3711.3
5008.0	10°	4944.0	4873.4	4669.9	4412.2	4128.2	3862.3	3699.8	3609.5	3565.2	3540.6
5203.4	12.5°	5119.7	5019.5	4729.0	4348.2	3932.9	3629.2	3517.6	3491.4	3493.0	3494.6
5449.6	15°	5336.3	5196.8	4776.6	4208.7	3678.5	3450.3	3430.6	3473.3	3517.6	3539.0
5728.6	17.5°	5580.9	5383.9	4784.8	3978.9	3429.0	3335.4	3397.8	3489.7	3557.0	3586.6
6040.5	20°	5843.5	5574.3	4725.7	3653.9	3223.8	3241.9	3353.5	3471.7	3545.5	3583.3
6396.7	22.5°	6143.9	5777.9	4584.6	3312.4	3056.4	3140.1	3271.4	3386.3	3463.4	3501.2
6815.3	25°	6487.0	6006.0	4363.0	3025.2	2911.9	3025.2	3156.5	3251.7	3314.1	3348.5
7283.1	27.5°	6867.8	6244.1	4067.5	2797.0	2785.5	2907.0	3015.3	3089.2	3122.0	3148.3
7780.4	30°	7250.3	6460.7	3709.7	2624.7	2675.6	2790.5	2867.6	2900.4	2910.3	2915.2
8335.3	32.5°	7663.9	6647.9	3333.8	2481.9	2570.5	2677.2	2723.2	2737.9	2692.0	2660.8
9008.2	35°	8164.5	6848.1	2966.1	2368.6	2467.1	2559.0	2573.8	2560.7	2506.5	2442.5
9852.0	37.5°	8783.4	7097.6	2672.3	2288.2	2370.2	2431.0	2412.9	2409.6	2414.6	2339.1
10866.4	40°	9541.7	7422.6	2457.2	2225.8	2291.5	2304.6	2253.7	2281.6	2306.2	2191.3
11979.3	42.5°	10383.8	7814.9	2321.0	2183.1	2225.8	2194.6	2115.8	2147.0	2143.7	1992.7
13097.1	45°	11242.3	8241.7	2273.4	2151.9	2165.1	2102.7	2015.7	2023.9	1955.0	1818.7
14168.9	47.5°	12095.8	8699.7	2302.9	2125.7	2089.6	2019.0	1951.7	1915.6	1813.8	1712.0
15196.5	50°	12932.9	9180.6	2411.3	2073.1	1986.1	1945.1	1895.9	1831.9	1723.5	1636.5
16168.2	52.5°	13709.3	9664.8	2532.7	1986.1	1856.5	1881.1	1849.9	1776.0	1669.3	1580.7
17087.4	55°	14444.7	10149.1	2580.4	1866.3	1735.0	1825.3	1807.2	1671.0	1543.0	1470.7
18049.3	57.5°	15245.7	10731.8	2527.8	1713.7	1636.5	1761.3	1692.3	1541.3	1467.5	1413.3
19301.7	60°	16355.4	11646.0	2414.6	1524.9	1543.0	1666.1	1547.9	1485.5	1405.1	1344.3
21179.6	62.5°	18198.7	13351.5	2232.4	1337.8	1433.0	1524.9	1478.9	1416.6	1334.5	1275.4
24390.2	65°	20923.5	15721.8	1889.3	1191.7	1309.9	1387.0	1405.1	1342.7	1257.3	1195.0
27203.7	67.5°	23221.5	17208.9	1429.7	1070.2	1183.5	1275.4	1326.3	1265.6	1175.3	1114.5
27861.9	70°	23095.1	16128.8	1091.6	950.4	1071.9	1165.4	1231.1	1183.5	1086.6	1029.2
25307.8	72.5°	20513.1	13492.7	883.1	828.9	958.6	1050.5	1129.3	1093.2	994.7	938.9
18540.1	75°	15070.1	9577.8	705.8	705.8	817.4	930.7	1017.7	994.7	904.4	865.0
7783.7	77.5°	6352.4	4018.3	553.2	586.0	679.6	799.4	907.7	915.9	837.1	886.4
2058.4	80°	1689.0	1108.0	421.9	461.2	533.5	659.9	789.5	786.3	700.9	654.9
764.9	82.5°	643.4	436.6	300.4	325.0	385.7	505.6	625.4	645.1	559.7	484.2
300.4	85°	247.9	187.1	185.5	195.3	224.9	334.9	472.7	489.2	421.9	357.8
83.7	87.5°	64.0	55.8	68.9	65.7	103.4	178.9	270.8	280.7	257.7	149.4
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°
4535.3
4326.8
4010.0
3721.2
3547.2
3497.9
3537.3
3593.1
3593.1
3511.0
3358.4
3158.1
2926.7
2670.6
2445.8
2344.0
2194.6
1991.1
1823.6
1712.0
1630.0
1582.4
1464.2
1408.4
1341.1
1275.4
1198.3
1116.2
1034.1
938.9
853.6
804.3
609.0
484.2
369.3
213.4
0.0

F REPORT)