

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: P954729

Luminaire Tested: **GALN-SB7D-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7D-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43052 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

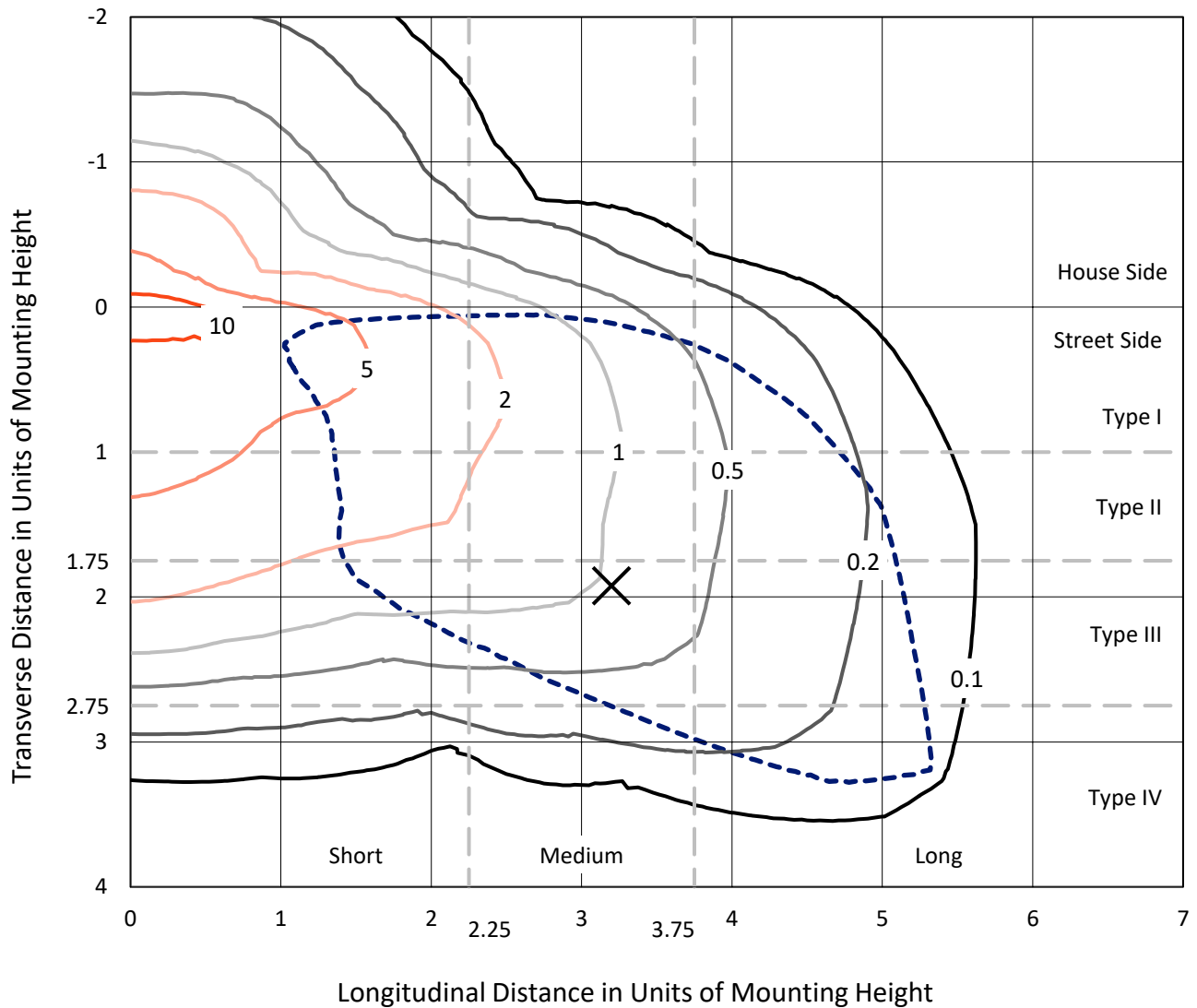
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954729
 CATALOG NUMBER: GALN-SB7D-927-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

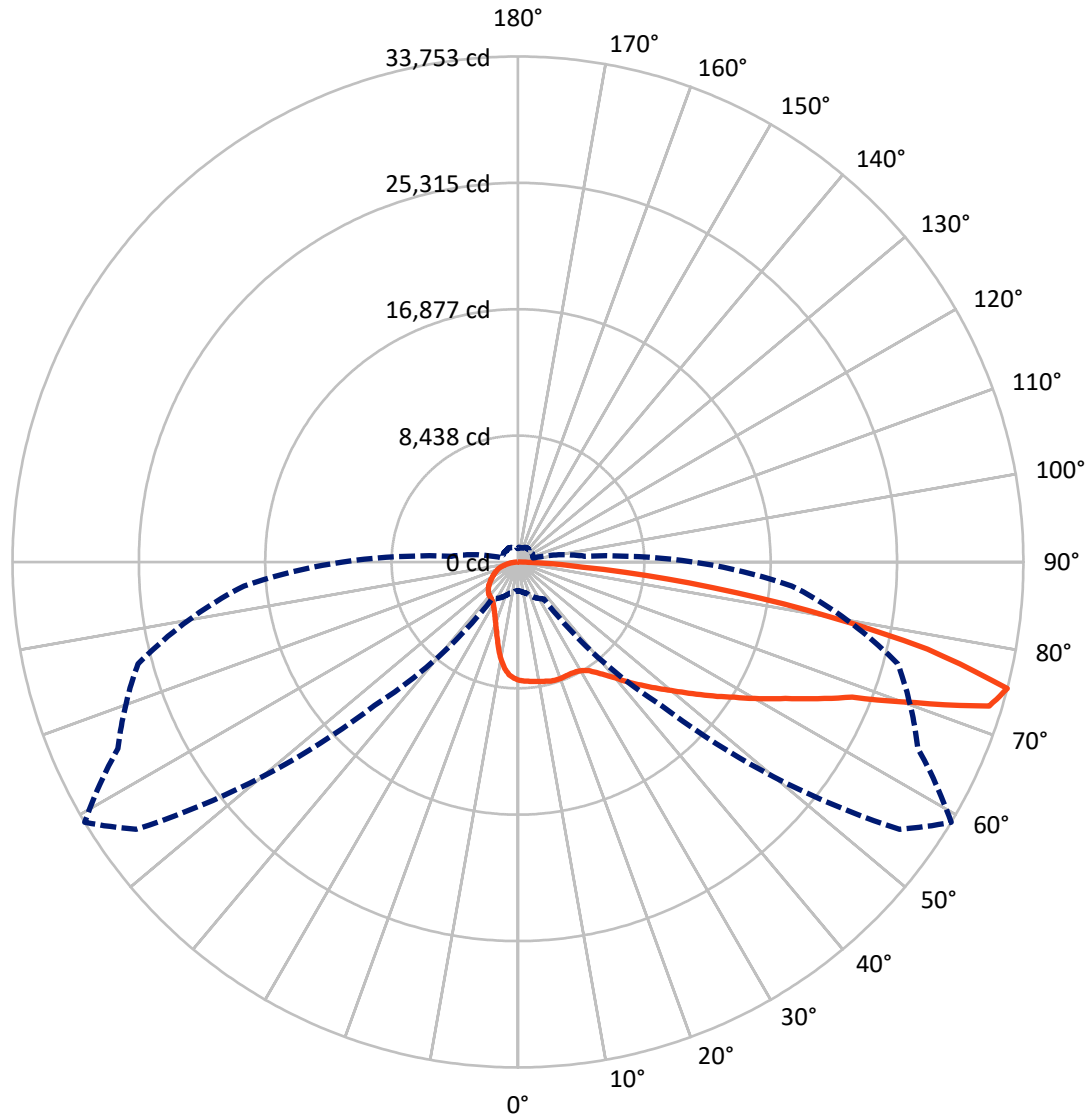
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type IV - Medium - N/A

REPORT NUMBER: P954729
CATALOG NUMBER: GALN-SB7D-927-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P954729
 CATALOG NUMBER: GALN-SB7D-927-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8074.7	0.0	8074.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	34977.3	0.0	34977.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	43052.0	0.0	43052.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.5	1.6
10°-20°	1811.1	4.2
20°-30°	2750.9	6.4
30°-40°	4089.2	9.5
40°-50°	6081.3	14.1
50°-60°	8254.7	19.2
60°-70°	10077.6	23.4
70°-80°	7908.7	18.4
80°-90°	1370.0	3.2
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°	43052.0	100.0
0°-180°	43052.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954729

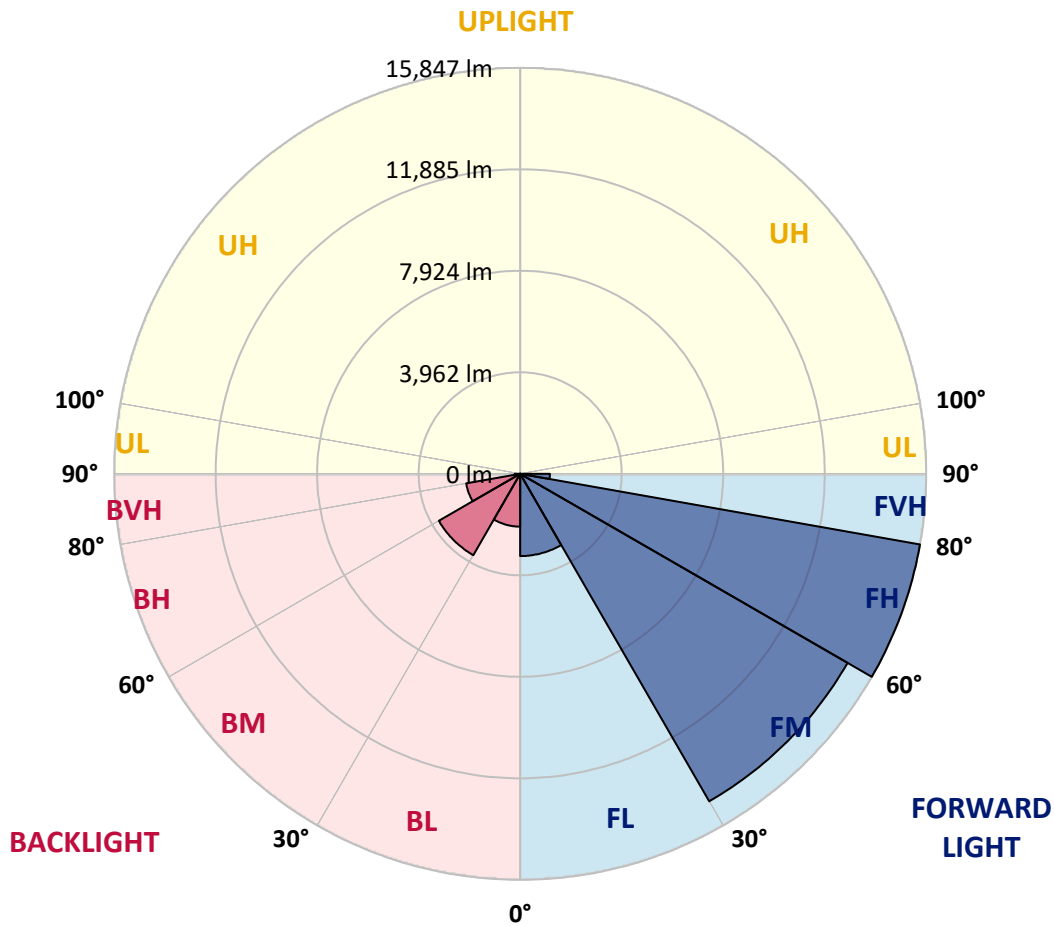
CATALOG NUMBER: GALN-SB7D-927-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3210.0	7.5			
FM (30°-60°)	14760.0	34.3			
FH (60°-80°)	15847.0	36.8			G5
FVH (80°-90°)	1160.3	2.7			G5
BL (0°-30°)	2060.6	4.8	B3/2500		
BM (30°-60°)	3665.1	8.5	B3/5000		
BH (60°-80°)	2139.3	5.0	B3/2500		G3/2500
BVH (80°-90°)	209.7	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-G5

Type IV Medium



REPORT NUMBER: P954729
 CATALOG NUMBER: GALN-SB7D-927-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	7902.1	7902.1	7902.1	7902.1	7902.1	7902.1	7902.1	7902.1	7902.1	7902.1
2.5°	7969.3	7941.5	7969.3	7957.7	7953.1	7943.8	7946.1	7962.3	7953.1	7964.6
5°	7916.0	7899.8	7927.6	7920.6	7950.7	7955.4	7985.5	8004.0	8015.6	8017.9
7.5°	7828.0	7811.8	7851.1	7883.6	7948.4	7966.9	8029.5	8059.6	8075.8	8103.6
10°	7506.1	7499.1	7596.4	7719.1	7872.0	7966.9	8061.9	8112.9	8138.3	8212.4
12.5°	6936.3	6945.6	7073.0	7309.2	7614.9	7920.6	8099.0	8173.1	8212.4	8305.1
15°	6392.1	6389.8	6528.7	6781.2	7209.6	7716.8	8117.5	8244.9	8312.0	8448.7
17.5°	6077.1	6067.8	6165.1	6357.3	6755.7	7404.2	8071.2	8284.2	8427.8	8599.2
20°	6019.2	6000.7	6051.6	6146.6	6429.1	7061.4	7950.7	8284.2	8520.5	8742.8
22.5°	6230.0	6199.9	6179.0	6167.4	6292.5	6778.9	7814.1	8256.4	8657.1	8948.9
25°	6653.8	6607.5	6500.9	6396.7	6359.7	6651.5	7693.7	8249.5	8860.9	9226.8
27.5°	7339.3	7281.4	7066.0	6815.9	6591.3	6716.3	7640.4	8291.2	9085.6	9521.0
30°	8189.3	8126.7	7855.8	7471.3	7068.3	6957.2	7707.6	8413.9	9372.7	9912.4
32.5°	8951.2	8881.8	8650.2	8258.8	7714.5	7374.1	7920.6	8647.8	9824.4	10456.6
35°	9627.5	9546.4	9338.0	8976.7	8506.6	7960.0	8305.1	9062.4	10465.9	11341.3
37.5°	10289.9	10194.9	9967.9	9585.8	9256.9	8740.5	8835.4	9595.1	11318.2	12415.9
40°	11031.0	10894.3	10618.7	10241.2	9921.6	9655.3	9532.5	10248.2	12184.3	13615.6
42.5°	11748.9	11619.2	11290.4	10968.4	10567.8	10491.4	10340.8	11012.4	13131.6	14933.4
45°	12522.5	12367.3	11968.9	11561.3	11308.9	11047.2	11123.6	11776.7	14060.3	16276.7
47.5°	13247.4	13073.7	12603.5	12149.6	12010.6	11515.0	11841.6	12617.4	15026.0	17638.4
50°	13638.8	13467.4	13076.0	12666.1	12557.2	12091.7	12619.7	13541.5	16038.1	18995.6
52.5°	13965.3	13780.0	13268.2	13041.2	13008.8	12719.3	13578.5	14597.6	17050.2	20195.3
55°	14312.7	14106.6	13453.5	13249.7	13397.9	13423.4	14715.7	15794.9	18120.2	21364.8
57.5°	14713.4	14451.7	13631.8	13425.7	13777.7	14247.9	16021.9	17036.3	19171.6	22448.7
60°	15090.9	14826.9	13974.6	13705.9	14187.6	15204.4	17520.3	18539.4	20362.0	23414.5
62.5°	15165.0	14947.3	14247.9	14245.5	14743.5	16320.7	19294.4	20056.3	21401.9	24368.7
65°	13881.9	13745.3	13330.7	14224.7	15540.2	17927.9	21269.9	21997.1	22724.3	25202.4
67.5°	10565.5	10584.0	10553.9	12279.3	14896.3	20237.0	24130.1	24074.5	24357.1	26138.1
70°	4831.1	4940.0	5648.7	8476.5	11934.2	20503.3	28859.3	28139.1	26406.7	27349.3
72.5°	2610.1	2693.5	2983.0	4106.2	7174.9	18229.0	32393.5	32905.3	29132.6	28164.5
75°	1915.3	1961.6	2163.1	2610.1	3013.1	13548.4	31126.7	33753.0	29473.1	26263.1
77.5°	1433.6	1454.4	1618.9	2068.2	1542.4	7142.5	24871.2	27953.8	25230.2	21577.9
80°	1039.9	1063.0	1185.8	1551.7	1081.6	2612.4	17078.0	19620.9	17279.5	13754.6
82.5°	718.0	727.2	780.5	1056.1	755.0	1014.4	9690.0	11505.8	9646.0	4826.5
85°	433.1	444.7	467.8	616.0	428.5	481.7	4182.6	4326.2	2883.4	1153.4
87.5°	178.3	189.9	208.4	259.4	169.1	134.3	690.2	866.2	539.6	338.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954729
 CATALOG NUMBER: GALN-SB7D-927-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7902.1	0°	7902.1	7902.1	7902.1	7902.1	7902.1	7902.1	7902.1	7902.1	7902.1	7902.1
7925.3	2.5°	7913.7	7897.5	7853.5	7793.2	7737.7	7668.2	7638.1	7612.6	7589.4	7545.4
7987.8	5°	7962.3	7918.3	7800.2	7647.3	7473.6	7283.7	7098.5	6971.1	6862.2	6781.2
8059.6	7.5°	8036.4	7953.1	7737.7	7425.0	7026.7	6619.0	6250.8	5989.1	5792.2	5720.5
8161.5	10°	8112.9	8013.3	7638.1	7086.9	6399.0	5771.4	5282.7	5014.1	4856.6	4805.6
8281.9	12.5°	8203.2	8057.3	7482.9	6616.7	5697.3	5009.4	4583.3	4425.8	4344.8	4317.0
8430.1	15°	8335.2	8094.3	7249.0	6028.5	5028.0	4453.6	4178.0	4069.2	4027.5	4025.2
8583.0	17.5°	8434.8	8101.3	6885.4	5398.5	4513.8	4117.8	3890.8	3849.1	3876.9	3918.6
8733.5	20°	8545.9	8038.7	6408.3	4824.2	4152.5	3823.7	3728.7	3756.5	3823.7	3883.9
8932.7	22.5°	8624.7	7925.3	5831.6	4377.2	3839.9	3654.6	3650.0	3707.9	3744.9	3775.0
9166.6	25°	8694.2	7733.0	5220.2	4002.0	3582.8	3552.7	3603.7	3585.1	3559.6	3585.1
9400.5	27.5°	8745.1	7429.6	4673.6	3673.1	3402.2	3483.2	3453.1	3411.4	3409.1	3423.0
9676.1	30°	8728.9	7024.3	4224.3	3360.5	3274.8	3353.5	3281.7	3274.8	3267.8	3274.8
10090.7	32.5°	8728.9	6563.5	3879.3	3145.1	3193.7	3163.6	3156.7	3140.5	3112.7	3110.4
10653.5	35°	8777.5	6102.6	3582.8	3029.3	3126.6	3054.8	3059.4	3020.0	2962.1	2934.3
11399.2	37.5°	8877.1	5732.0	3288.7	2973.7	3008.4	3006.1	2987.6	2920.4	2818.5	2730.5
12330.2	40°	9118.0	5623.2	3087.2	2948.2	2952.9	2980.7	2932.0	2802.3	2570.7	2427.1
13275.2	42.5°	9495.5	5806.1	3043.2	2885.7	2915.8	2943.6	2848.6	2547.6	2383.1	2297.4
14266.4	45°	9974.9	6125.7	3138.1	2795.4	2827.8	2876.4	2593.9	2450.3	2376.2	2378.5
15248.4	47.5°	10581.7	6461.6	3314.2	2716.6	2700.4	2728.2	2424.8	2336.8	2234.9	2260.4
16191.0	50°	11283.4	6802.0	3480.9	2610.1	2559.1	2468.8	2316.0	2232.6	2102.9	2042.7
17101.1	52.5°	12043.1	7130.9	3548.1	2480.4	2406.3	2302.1	2241.9	2140.0	1982.5	1882.9
17960.4	55°	12763.3	7429.6	3474.0	2325.2	2253.4	2172.4	2163.1	2100.6	1931.5	1792.6
18724.6	57.5°	13444.2	7679.8	3288.7	2167.8	2098.3	2049.6	2112.2	2082.1	1869.0	1690.7
19447.2	60°	14020.9	7851.1	3020.0	2007.9	1959.3	1933.8	2028.8	2019.5	1781.0	1581.8
20095.7	62.5°	14479.5	7918.3	2723.6	1855.1	1843.5	1797.2	1913.0	1913.0	1669.8	1475.3
20665.4	65°	14838.4	7853.5	2422.5	1704.6	1727.7	1658.2	1771.7	1757.8	1551.7	1380.3
21320.8	67.5°	15155.7	7640.4	2089.0	1556.3	1609.6	1521.6	1623.5	1591.1	1422.0	1285.4
21888.3	70°	15297.0	7144.8	1709.2	1408.1	1473.0	1387.3	1475.3	1415.1	1276.1	1183.5
21265.3	72.5°	14162.2	5938.2	1345.6	1252.9	1308.5	1239.0	1315.5	1246.0	1118.6	1076.9
18363.3	75°	11716.5	4455.9	1035.2	1083.9	1125.6	1072.3	1123.2	1072.3	956.5	986.6
13564.7	77.5°	8508.9	3008.4	792.1	905.5	924.1	896.3	940.3	882.4	778.2	771.2
6760.3	80°	4231.3	1762.5	620.7	715.6	708.7	690.2	741.1	713.3	625.3	662.4
1825.0	82.5°	1225.1	755.0	451.6	502.6	488.7	493.3	530.4	544.3	815.2	808.3
567.4	85°	384.5	296.4	271.0	280.2	266.3	273.3	312.7	620.7	574.4	335.8
176.0	87.5°	99.6	101.9	67.2	71.8	74.1	88.0	99.6	377.5	180.6	118.1
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>
7902.1
7524.6
6714.0
5595.4
4726.9
4323.9
4034.4
3934.8
3904.7
3791.2
3601.3
3446.2
3300.3
3140.5
2962.1
2760.6
2445.7
2297.4
2390.1
2325.2
2058.9
1880.6
1792.6
1681.4
1574.9
1468.3
1371.1
1276.1
1164.9
1042.2
900.9
736.5
655.4
826.8
363.6
125.1
0.0

F REPORT)