

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: P950802

Luminaire Tested: **GALN-SB5A-927-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950802  
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-SB5A-927-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

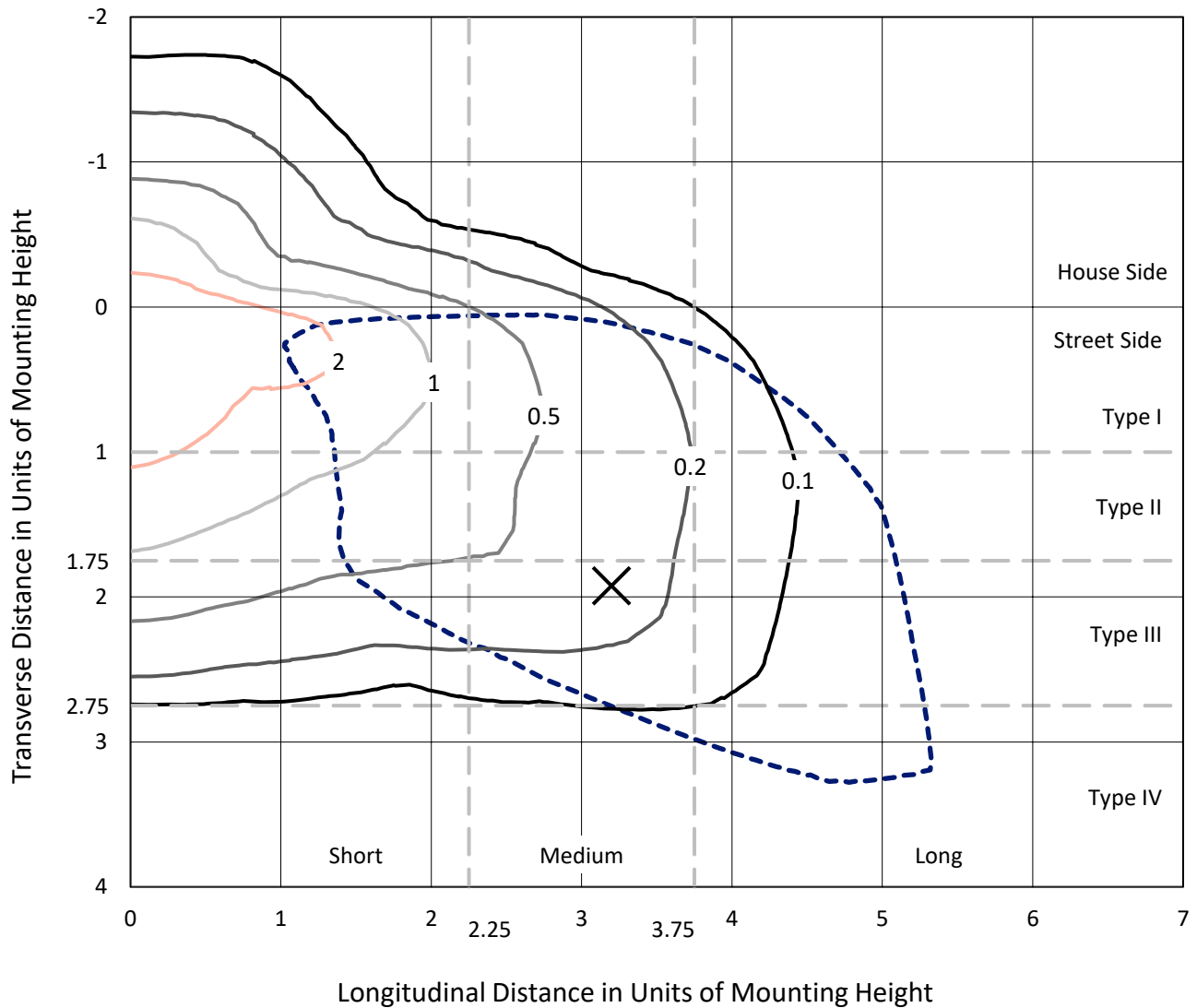
Lumens per Lamp: N/A  
Luminaire Lumens: 13480 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P950802  
 CATALOG NUMBER: GALN-SB5A-927-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

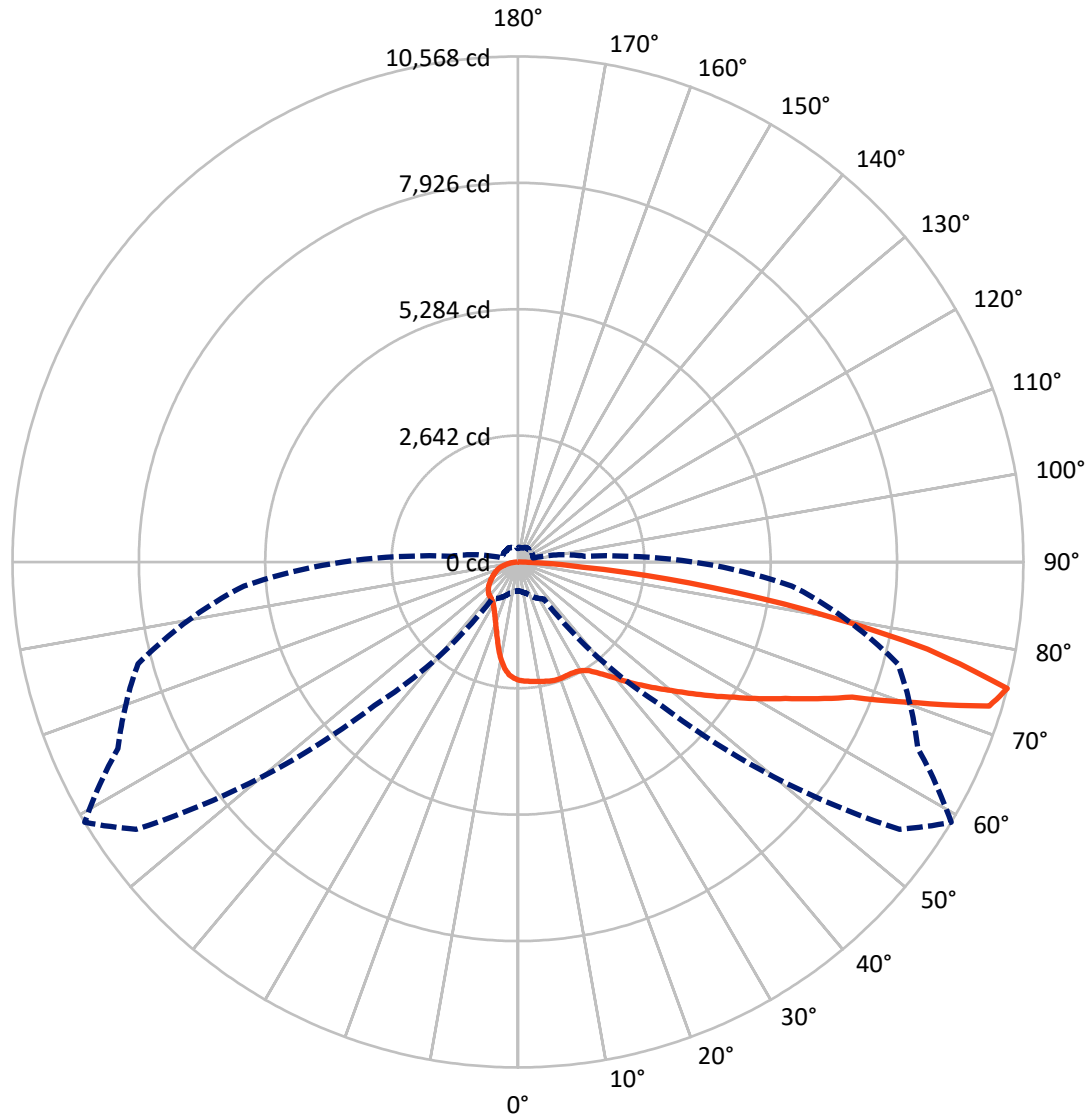
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P950802  
CATALOG NUMBER: GALN-SB5A-927-U-SL3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P950802  
 CATALOG NUMBER: GALN-SB5A-927-U-SL3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2528.3	0.0	2528.3
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	10951.7	0.0	10951.7
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	13480.0	0.0	13480.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.9	1.6
10°-20°	567.1	4.2
20°-30°	861.3	6.4
30°-40°	1280.4	9.5
40°-50°	1904.1	14.1
50°-60°	2584.6	19.2
60°-70°	3155.4	23.4
70°-80°	2476.3	18.4
80°-90°	429.0	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°	13480.0	100.0
0°-180°	13480.0	100.0

**Coefficient of Utilization**



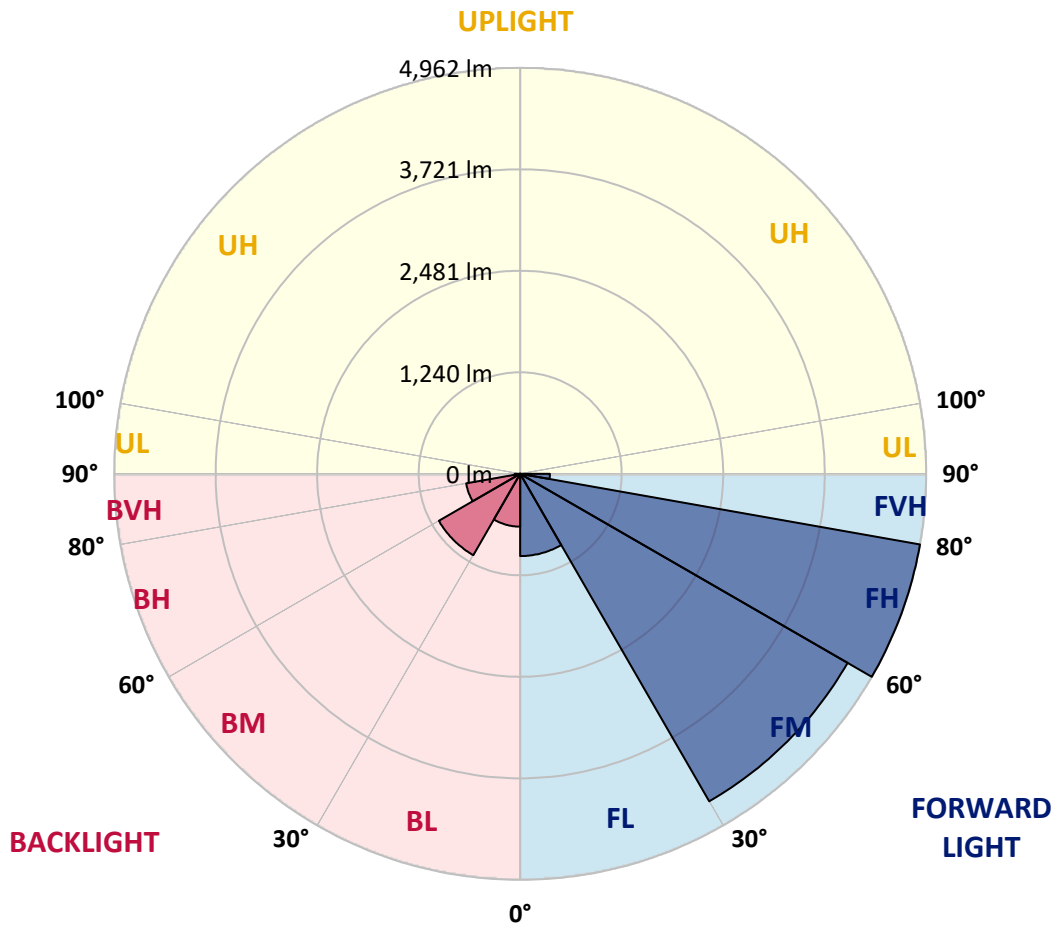
REPORT NUMBER: P950802  
 CATALOG NUMBER: GALN-SB5A-927-U-SL3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1005.1	7.5			
FM (30°-60°)	4621.5	34.3			
FH (60°-80°)	4961.9	36.8			G2/5000
FVH (80°-90°)	363.3	2.7			G3/500
BL (0°-30°)	645.2	4.8	B2/1000		
BM (30°-60°)	1147.6	8.5	B2/2500		
BH (60°-80°)	669.8	5.0	B2/1000		G2/1000
BVH (80°-90°)	65.7	0.5			G1/100
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 Medium



REPORT NUMBER: P950802  
 CATALOG NUMBER: GALN-SB5A-927-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2
2.5°	2495.3	2486.6	2495.3	2491.6	2490.2	2487.3	2488.0	2493.1	2490.2	2493.8
5°	2478.6	2473.5	2482.2	2480.0	2489.5	2490.9	2500.3	2506.1	2509.8	2510.5
7.5°	2451.0	2445.9	2458.3	2468.4	2488.7	2494.5	2514.1	2523.5	2528.6	2537.3
10°	2350.2	2348.0	2378.5	2416.9	2464.8	2494.5	2524.3	2540.2	2548.2	2571.4
12.5°	2171.8	2174.7	2214.6	2288.6	2384.3	2480.0	2535.9	2559.1	2571.4	2600.4
15°	2001.4	2000.7	2044.2	2123.2	2257.4	2416.2	2541.7	2581.5	2602.6	2645.4
17.5°	1902.8	1899.9	1930.4	1990.5	2115.3	2318.3	2527.2	2593.9	2638.8	2692.5
20°	1884.7	1878.9	1894.8	1924.6	2013.0	2211.0	2489.5	2593.9	2667.8	2737.5
22.5°	1950.7	1941.2	1934.7	1931.1	1970.2	2122.5	2446.7	2585.2	2710.6	2802.0
25°	2083.4	2068.9	2035.5	2002.9	1991.3	2082.6	2409.0	2583.0	2774.4	2889.0
27.5°	2298.0	2279.9	2212.4	2134.1	2063.8	2102.9	2392.3	2596.0	2844.8	2981.1
30°	2564.1	2544.6	2459.7	2339.3	2213.2	2178.4	2413.3	2634.5	2934.7	3103.7
32.5°	2802.7	2781.0	2708.4	2585.9	2415.5	2308.9	2480.0	2707.7	3076.1	3274.1
35°	3014.5	2989.1	2923.8	2810.7	2663.5	2492.4	2600.4	2837.5	3277.0	3551.1
37.5°	3221.9	3192.1	3121.1	3001.4	2898.4	2736.7	2766.5	3004.3	3543.8	3887.5
40°	3453.9	3411.1	3324.8	3206.6	3106.6	3023.2	2984.7	3208.8	3815.0	4263.2
42.5°	3678.7	3638.1	3535.1	3434.3	3308.9	3284.9	3237.8	3448.1	4111.6	4675.8
45°	3920.9	3872.3	3747.6	3620.0	3540.9	3459.0	3482.9	3687.4	4402.4	5096.4
47.5°	4147.9	4093.5	3946.3	3804.2	3760.6	3605.5	3707.7	3950.6	4704.8	5522.8
50°	4270.4	4216.8	4094.2	3965.9	3931.8	3786.0	3951.4	4240.0	5021.7	5947.7
52.5°	4372.7	4314.7	4154.4	4083.3	4073.2	3982.5	4251.6	4570.6	5338.6	6323.3
55°	4481.4	4416.9	4212.4	4148.6	4195.0	4203.0	4607.6	4945.5	5673.6	6689.5
57.5°	4606.9	4525.0	4268.3	4203.7	4313.9	4461.1	5016.6	5334.2	6002.8	7028.9
60°	4725.1	4642.4	4375.6	4291.5	4442.3	4760.6	5485.8	5804.9	6375.6	7331.3
62.5°	4748.3	4680.1	4461.1	4460.4	4616.3	5110.2	6041.3	6279.8	6701.1	7630.1
65°	4346.6	4303.8	4174.0	4453.9	4865.8	5613.4	6659.8	6887.5	7115.2	7891.1
67.5°	3308.2	3314.0	3304.5	3844.8	4664.2	6336.4	7555.4	7538.0	7626.4	8184.1
70°	1512.7	1546.8	1768.6	2654.1	3736.7	6419.8	9036.1	8810.6	8268.2	8563.3
72.5°	817.2	843.4	934.0	1285.7	2246.5	5707.7	10142.7	10303.0	9121.7	8818.6
75°	599.7	614.2	677.3	817.2	943.4	4242.1	9746.1	10568.4	9228.3	8223.2
77.5°	448.9	455.4	506.9	647.6	483.0	2236.4	7787.4	8752.6	7899.8	6756.3
80°	325.6	332.8	371.3	485.9	338.6	818.0	5347.3	6143.5	5410.4	4306.7
82.5°	224.8	227.7	244.4	330.7	236.4	317.6	3034.0	3602.6	3020.3	1511.2
85°	135.6	139.2	146.5	192.9	134.2	150.8	1309.6	1354.6	902.8	361.1
87.5°	55.8	59.5	65.3	81.2	52.9	42.1	216.1	271.2	169.0	105.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950802  
 CATALOG NUMBER: GALN-SB5A-927-U-SL3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2474.2	0°	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2	2474.2
2481.5	2.5°	2477.8	2472.8	2459.0	2440.1	2422.7	2401.0	2391.6	2383.6	2376.3	2362.6
2501.1	5°	2493.1	2479.3	2442.3	2394.5	2340.1	2280.6	2222.6	2182.7	2148.6	2123.2
2523.5	7.5°	2516.3	2490.2	2422.7	2324.8	2200.1	2072.5	1957.2	1875.2	1813.6	1791.1
2555.4	10°	2540.2	2509.0	2391.6	2219.0	2003.6	1807.1	1654.1	1570.0	1520.6	1504.7
2593.1	12.5°	2568.5	2522.8	2343.0	2071.8	1783.9	1568.5	1435.1	1385.8	1360.4	1351.7
2639.6	15°	2609.8	2534.4	2269.7	1887.6	1574.3	1394.5	1308.2	1274.1	1261.0	1260.3
2687.4	17.5°	2641.0	2536.6	2155.9	1690.3	1413.3	1289.3	1218.3	1205.2	1213.9	1227.0
2734.6	20°	2675.8	2517.0	2006.5	1510.5	1300.2	1197.2	1167.5	1176.2	1197.2	1216.1
2796.9	22.5°	2700.5	2481.5	1825.9	1370.5	1202.3	1144.3	1142.8	1161.0	1172.6	1182.0
2870.2	25°	2722.2	2421.3	1634.5	1253.1	1121.8	1112.4	1128.3	1122.5	1114.6	1122.5
2943.4	27.5°	2738.2	2326.3	1463.4	1150.1	1065.3	1090.6	1081.2	1068.2	1067.4	1071.8
3029.7	30°	2733.1	2199.4	1322.7	1052.2	1025.4	1050.0	1027.5	1025.4	1023.2	1025.4
3159.5	32.5°	2733.1	2055.1	1214.6	984.8	1000.0	990.6	988.4	983.3	974.6	973.9
3335.7	35°	2748.3	1910.8	1121.8	948.5	979.0	956.5	957.9	945.6	927.5	918.8
3569.2	37.5°	2779.5	1794.8	1029.7	931.1	942.0	941.2	935.4	914.4	882.5	855.0
3860.7	40°	2854.9	1760.7	966.6	923.1	924.6	933.3	918.0	877.4	804.9	760.0
4156.6	42.5°	2973.1	1818.0	952.9	903.5	913.0	921.7	891.9	797.7	746.2	719.4
4466.9	45°	3123.2	1918.0	982.6	875.3	885.4	900.6	812.2	767.2	744.0	744.7
4774.4	47.5°	3313.2	2023.2	1037.7	850.6	845.5	854.2	759.2	731.7	699.8	707.7
5069.5	50°	3532.9	2129.8	1089.9	817.2	801.3	773.0	725.2	699.0	658.4	639.6
5354.5	52.5°	3770.8	2232.7	1110.9	776.6	753.4	720.8	701.9	670.0	620.7	589.5
5623.6	55°	3996.3	2326.3	1087.7	728.1	705.6	680.2	677.3	657.7	604.8	561.3
5862.9	57.5°	4209.5	2404.6	1029.7	678.7	657.0	641.8	661.3	651.9	585.2	529.4
6089.1	60°	4390.1	2458.3	945.6	628.7	613.5	605.5	635.2	632.3	557.6	495.3
6292.2	62.5°	4533.7	2479.3	852.8	580.8	577.2	562.7	599.0	599.0	522.8	461.9
6470.5	65°	4646.1	2459.0	758.5	533.7	541.0	519.2	554.7	550.4	485.9	432.2
6675.8	67.5°	4745.4	2392.3	654.1	487.3	504.0	476.4	508.3	498.2	445.2	402.5
6853.4	70°	4789.6	2237.1	535.2	440.9	461.2	434.4	461.9	443.1	399.6	370.6
6658.4	72.5°	4434.3	1859.3	421.3	392.3	409.7	388.0	411.9	390.1	350.2	337.2
5749.7	75°	3668.6	1395.2	324.1	339.4	352.4	335.7	351.7	335.7	299.5	308.9
4247.2	77.5°	2664.2	942.0	248.0	283.5	289.3	280.6	294.4	276.3	243.7	241.5
2116.7	80°	1324.9	551.8	194.3	224.1	221.9	216.1	232.0	223.3	195.8	207.4
571.4	82.5°	383.6	236.4	141.4	157.4	153.0	154.5	166.1	170.4	255.3	253.1
177.7	85°	120.4	92.8	84.8	87.7	83.4	85.6	97.9	194.3	179.8	105.1
55.1	87.5°	31.2	31.9	21.0	22.5	23.2	27.6	31.2	118.2	56.6	37.0
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°
2474.2
2356.0
2102.2
1752.0
1480.0
1353.9
1263.2
1232.0
1222.6
1187.1
1127.6
1079.0
1033.3
983.3
927.5
864.4
765.8
719.4
748.4
728.1
644.7
588.8
561.3
526.5
493.1
459.7
429.3
399.6
364.8
326.3
282.1
230.6
205.2
258.9
113.8
39.2
0.0

F REPORT)