

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: P939687

Luminaire Tested: **GALN-SB2B-927-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939687  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB2B-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

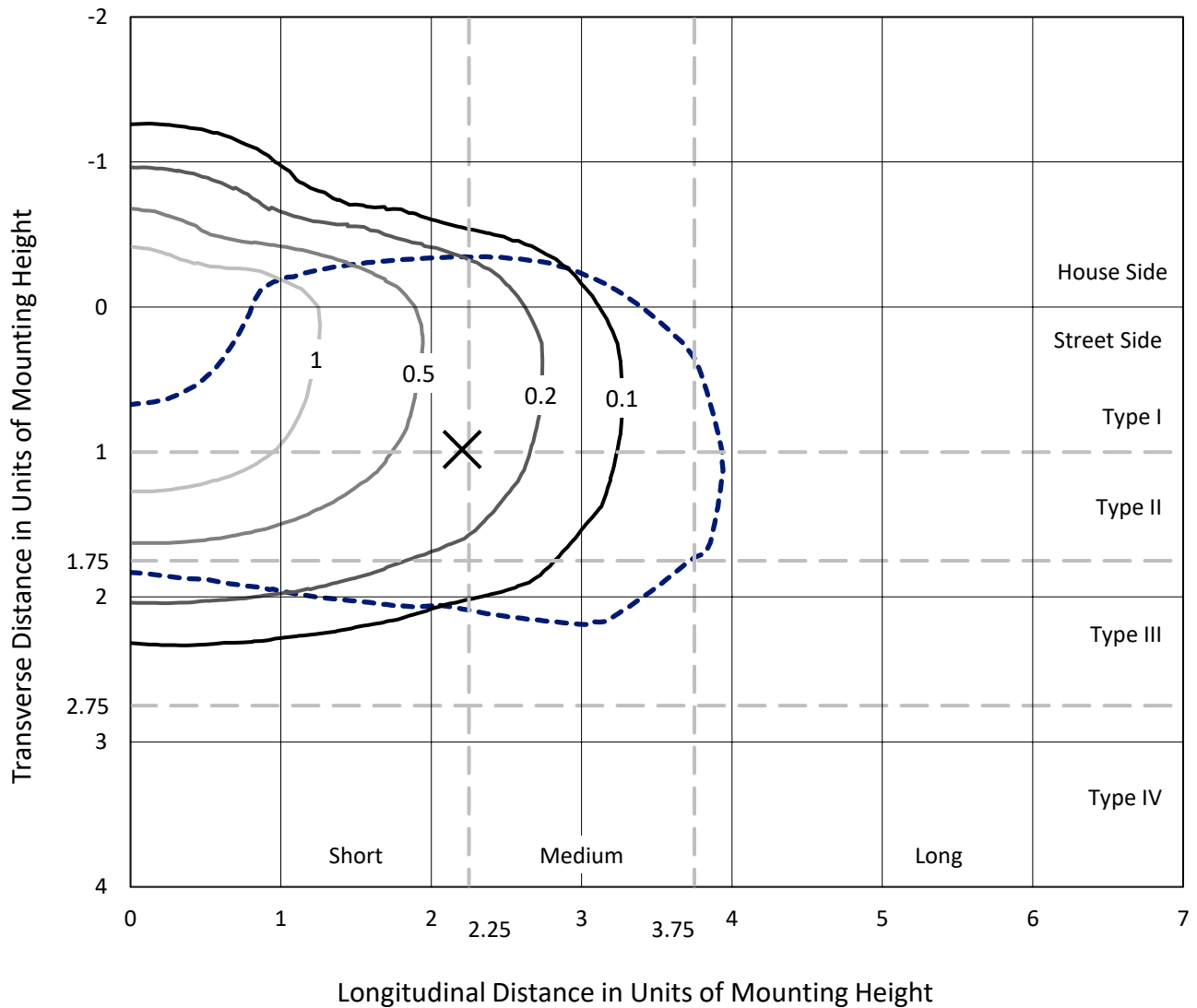
Lumens per Lamp: N/A  
Luminaire Lumens: 6859 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P939687  
 CATALOG NUMBER: GALN-SB2B-927-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

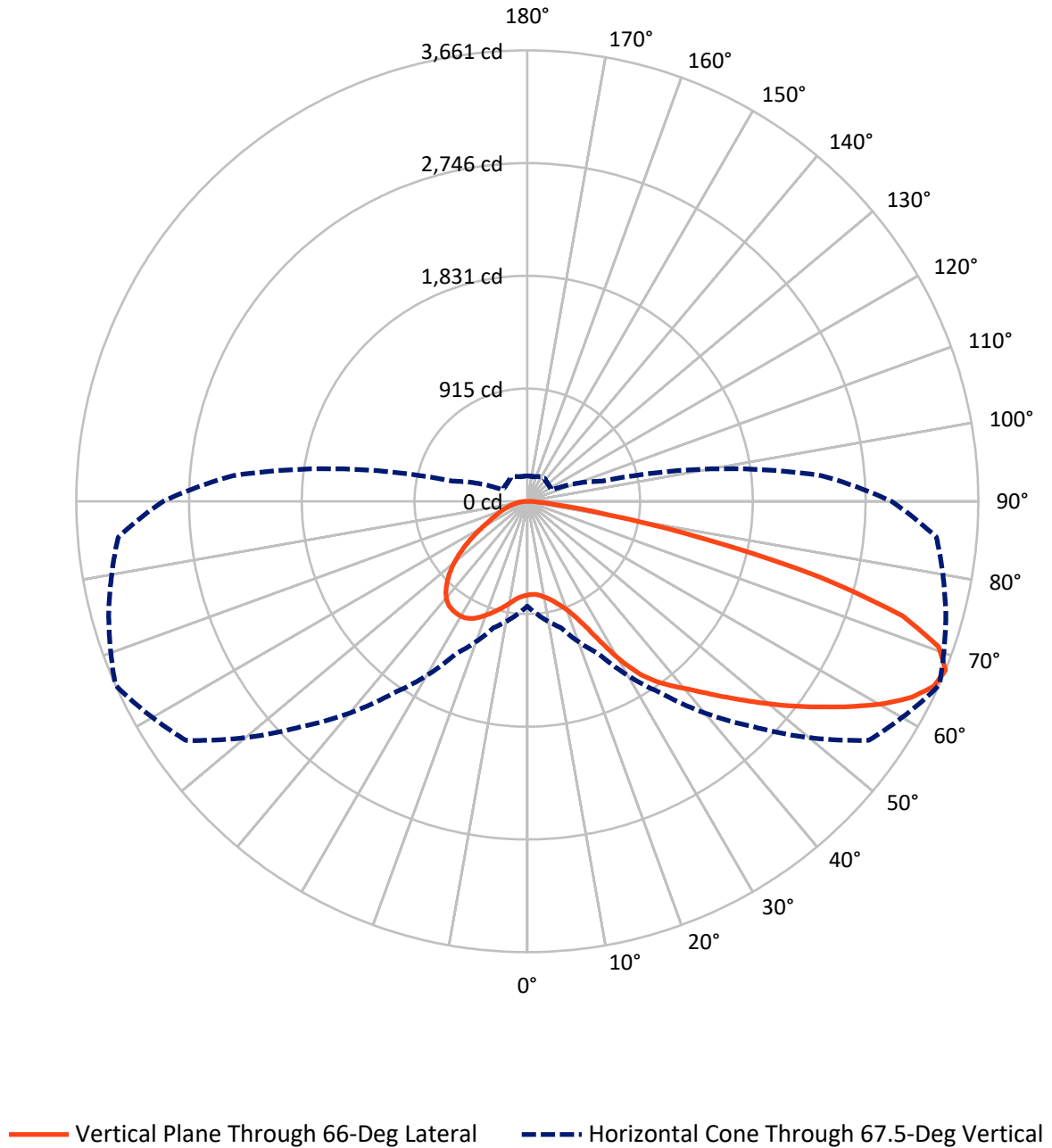
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P939687  
CATALOG NUMBER: GALN-SB2B-927-U-T3

### Luminous Intensity Polar Plot



REPORT NUMBER: P939687

CATALOG NUMBER: GALN-SB2B-927-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1705.5	0.0	1705.5
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	5153.5	0.0	5153.5
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	6859.0	0.0	6859.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.4	1.1
10°-20°	249.2	3.6
20°-30°	480.3	7.0
30°-40°	842.2	12.3
40°-50°	1252.0	18.3
50°-60°	1587.1	23.1
60°-70°	1552.9	22.6
70°-80°	740.7	10.8
80°-90°	79.2	1.2
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°	6859.0	100.0
0°-180°	6859.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P939687

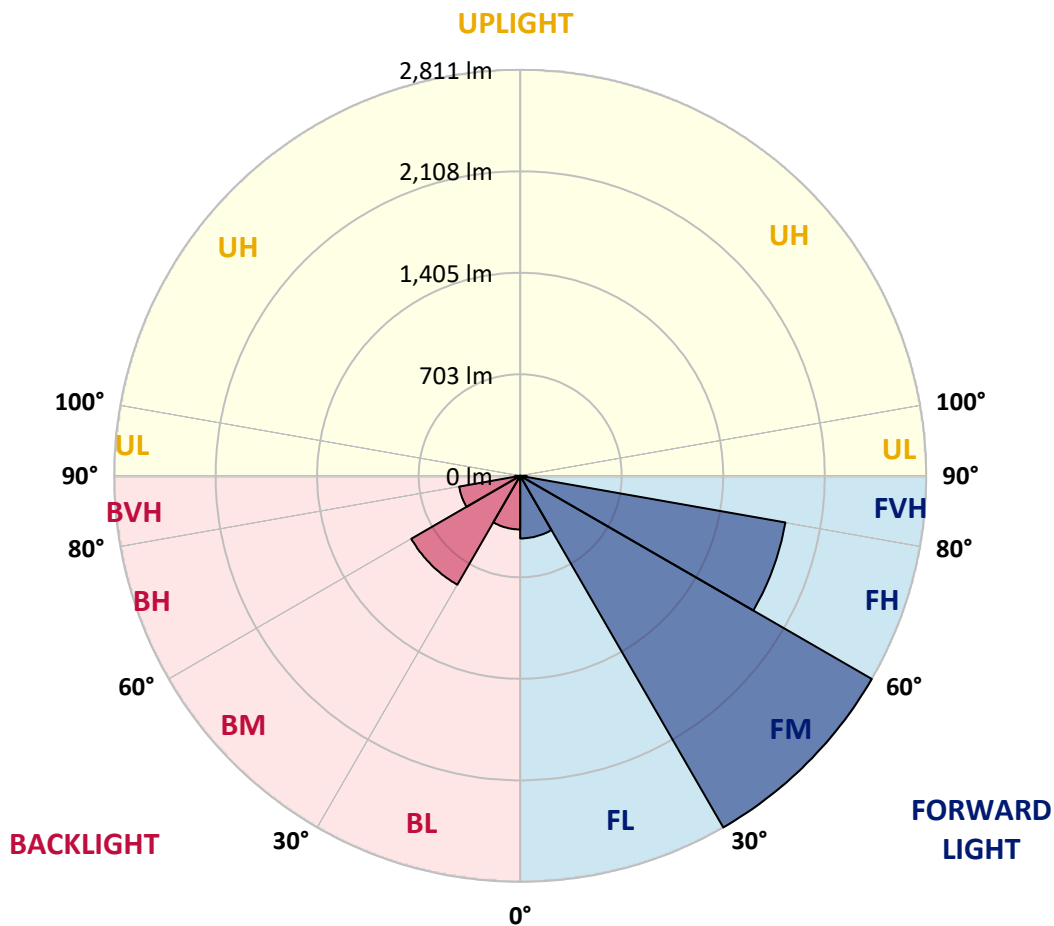
CATALOG NUMBER: GALN-SB2B-927-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.4	6.3			
FM (30°-60°)	2810.8	41.0			
FH (60°-80°)	1864.5	27.2			G2/5000
FVH (80°-90°)	44.9	0.7			G1/100
BL (0°-30°)	371.5	5.4	B1/500		
BM (30°-60°)	870.5	12.7	B1/1000		
BH (60°-80°)	429.2	6.3	B1/500		G1/500
BVH (80°-90°)	34.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short



REPORT NUMBER: P939687

CATALOG NUMBER: GALN-SB2B-927-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8
2.5°	752.8	757.1	756.1	754.3	753.9	754.6	755.7	756.8	756.4	758.2
5°	750.7	755.0	754.6	754.6	756.1	759.0	760.8	762.6	760.8	762.9
7.5°	752.1	755.3	756.8	758.2	761.8	767.2	771.6	775.5	773.4	775.9
10°	770.5	773.0	774.4	774.4	777.0	783.1	787.4	794.6	792.8	796.8
12.5°	804.0	806.5	806.5	805.1	806.9	810.8	812.3	820.2	817.0	823.5
15°	845.1	850.1	846.2	843.6	844.4	848.3	848.0	854.1	850.8	856.3
17.5°	890.5	897.0	890.5	890.1	888.7	893.0	893.4	898.8	893.0	897.0
20°	944.2	953.2	947.8	949.6	946.3	948.1	950.0	957.9	948.9	951.8
22.5°	1019.9	1030.7	1024.9	1031.8	1029.6	1028.2	1027.8	1041.8	1027.8	1028.9
25°	1130.1	1143.1	1133.0	1142.4	1142.4	1147.1	1152.5	1170.5	1147.1	1140.2
27.5°	1293.0	1306.0	1286.2	1291.9	1290.1	1301.7	1295.9	1340.6	1315.4	1304.2
30°	1489.1	1512.1	1474.7	1473.2	1471.4	1489.8	1498.1	1527.6	1502.0	1490.9
32.5°	1701.0	1725.1	1680.4	1667.5	1660.6	1671.8	1664.9	1688.7	1671.1	1653.8
35°	1925.1	1948.9	1906.4	1881.2	1853.8	1830.3	1805.8	1812.0	1795.4	1769.1
37.5°	2137.0	2180.6	2135.6	2108.6	2058.1	2012.3	1943.9	1915.4	1899.9	1875.8
40°	2352.9	2377.8	2343.5	2320.5	2265.7	2194.0	2084.4	2024.2	2003.3	1979.9
42.5°	2511.8	2535.6	2517.2	2501.4	2458.5	2375.2	2233.6	2158.3	2128.0	2101.7
45°	2638.0	2655.6	2644.1	2649.8	2631.5	2550.7	2388.2	2302.1	2270.7	2238.7
47.5°	2688.8	2707.5	2725.9	2760.1	2791.5	2732.0	2554.3	2457.8	2424.6	2391.8
50°	2683.0	2702.1	2755.4	2828.2	2925.5	2905.7	2729.5	2623.5	2592.9	2555.4
52.5°	2636.9	2658.5	2727.0	2848.1	3003.0	3035.8	2907.9	2794.7	2765.9	2721.2
55°	2515.8	2528.8	2631.5	2803.0	3021.4	3126.6	3082.7	2977.1	2948.2	2885.9
57.5°	2291.3	2310.0	2459.6	2681.6	2975.3	3188.2	3236.2	3168.8	3141.0	3051.3
60°	1998.3	2028.2	2199.4	2477.6	2857.8	3187.9	3375.6	3357.3	3334.2	3214.2
62.5°	1666.7	1701.3	1866.0	2189.3	2652.4	3097.4	3462.9	3515.1	3503.2	3364.5
65°	1280.1	1303.8	1467.8	1816.3	2332.7	2903.2	3472.9	3622.9	3625.0	3478.7
67.5°	852.3	920.8	1063.1	1362.9	1904.6	2585.7	3384.3	3640.5	3661.4	3518.0
70°	415.9	506.0	645.4	885.8	1362.9	2098.8	3152.6	3495.6	3542.1	3403.4
72.5°	172.6	201.8	277.8	437.1	782.4	1416.3	2687.0	3102.8	3189.0	3015.6
75°	116.4	126.1	158.9	224.2	356.4	698.4	1937.7	2313.6	2452.4	2277.6
77.5°	89.7	95.9	115.7	156.8	211.9	264.2	1037.2	1394.3	1466.0	1357.2
80°	70.6	75.3	86.5	114.2	150.3	141.3	353.5	631.7	673.2	564.7
82.5°	61.3	63.1	62.0	77.5	99.8	82.5	116.0	233.2	257.3	186.7
85°	44.3	49.4	51.5	47.9	53.0	41.8	47.6	82.5	90.8	81.1
87.5°	18.0	26.7	32.8	31.0	19.5	11.9	14.8	24.1	27.7	30.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939687  
 CATALOG NUMBER: GALN-SB2B-927-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
760.8	0°	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8	760.8
761.1	2.5°	761.5	764.0	765.8	768.0	769.4	771.6	775.9	778.4	778.8	780.6
766.9	5°	768.3	771.9	775.9	781.7	788.1	793.5	801.8	807.6	809.8	811.6
780.9	7.5°	783.1	788.1	795.3	805.4	814.8	822.0	832.1	839.0	845.8	848.3
803.3	10°	805.1	812.3	822.7	836.4	846.5	855.9	866.3	872.1	879.0	881.8
829.9	12.5°	832.5	840.0	853.7	872.8	882.2	888.7	892.3	890.8	892.3	894.8
862.0	15°	863.8	872.1	887.6	908.1	914.6	908.9	900.9	893.7	892.7	893.4
900.9	17.5°	900.9	907.1	925.1	942.4	937.7	913.9	896.6	885.1	879.3	877.5
950.7	20°	952.8	952.8	967.6	978.4	947.1	906.7	879.7	860.9	849.0	844.0
1018.4	22.5°	1015.9	1010.1	1019.5	1011.9	945.3	886.5	849.0	816.6	798.6	791.4
1113.2	25°	1095.9	1089.1	1086.5	1039.7	932.3	854.5	793.5	754.3	738.4	734.4
1249.8	27.5°	1216.6	1199.3	1166.5	1054.8	908.5	804.0	728.7	692.3	683.3	683.6
1425.3	30°	1377.4	1342.8	1262.4	1057.3	869.6	732.6	662.4	636.4	632.1	633.9
1572.7	32.5°	1526.2	1493.4	1360.4	1045.8	809.8	662.7	602.9	585.6	579.1	581.3
1685.1	35°	1643.0	1633.9	1451.2	1029.6	736.2	597.1	549.6	534.8	522.2	519.3
1791.1	37.5°	1753.2	1749.6	1519.3	1006.9	663.5	550.7	506.7	487.2	468.8	458.8
1908.2	40°	1874.3	1870.7	1564.0	971.9	598.9	510.3	468.1	442.5	419.8	401.5
2040.8	42.5°	2010.5	1989.3	1585.3	921.8	544.2	476.1	436.8	402.2	372.3	355.3
2190.7	45°	2159.4	2111.4	1584.9	858.1	498.0	444.7	403.3	354.2	326.5	310.6
2344.6	47.5°	2317.2	2228.2	1565.5	787.4	453.4	410.1	351.4	313.9	295.5	285.8
2511.8	50°	2480.1	2337.4	1532.3	706.3	407.6	370.8	318.9	293.3	279.3	270.3
2677.6	52.5°	2633.3	2436.5	1492.3	614.4	361.1	332.6	304.5	284.7	269.9	259.8
2838.3	55°	2775.6	2521.9	1435.7	520.4	323.3	307.0	297.7	281.1	264.2	252.3
3001.6	57.5°	2902.1	2577.4	1338.1	432.1	296.2	289.4	290.5	275.0	255.5	245.4
3162.3	60°	3007.3	2618.1	1193.6	350.3	274.2	272.1	279.3	263.4	240.7	229.2
3298.2	62.5°	3070.4	2617.4	1016.3	286.9	255.5	256.2	264.5	249.0	226.0	215.1
3369.2	65°	3065.0	2553.3	821.7	245.4	237.5	238.2	249.0	233.2	213.7	207.2
3333.5	67.5°	2956.5	2396.9	630.3	218.4	217.7	220.9	233.5	222.4	206.1	205.4
3120.9	70°	2662.8	2072.2	454.1	196.8	197.1	201.8	218.4	215.5	202.2	203.6
2623.9	72.5°	2135.2	1579.9	304.9	174.1	174.4	182.0	204.0	210.1	198.2	217.3
1861.7	75°	1422.0	985.3	196.0	149.9	150.3	160.0	191.4	199.6	187.4	216.6
968.7	77.5°	683.3	442.9	142.0	126.1	126.1	135.1	165.4	178.7	159.6	168.3
311.4	80°	236.0	166.5	111.7	101.6	99.5	105.6	139.5	155.0	137.7	126.9
101.6	82.5°	93.0	86.5	89.7	78.9	71.7	75.7	108.5	127.9	101.3	91.5
57.3	85°	53.3	56.2	63.4	52.3	41.4	46.5	79.6	91.9	76.4	67.4
18.7	87.5°	14.4	19.8	29.2	27.0	18.7	19.8	37.8	50.8	44.0	33.9
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>
760.8
780.2
811.2
848.7
883.3
895.5
895.9
880.0
842.9
790.3
735.2
684.7
640.0
584.2
521.5
459.1
403.3
356.4
309.9
283.6
267.0
255.5
247.6
238.9
224.2
211.9
206.9
206.5
203.3
220.2
218.4
154.2
118.9
91.2
68.8
35.0
0.0

F REPORT)