

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: P940368

Luminaire Tested: **GALN-SB3B-927-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

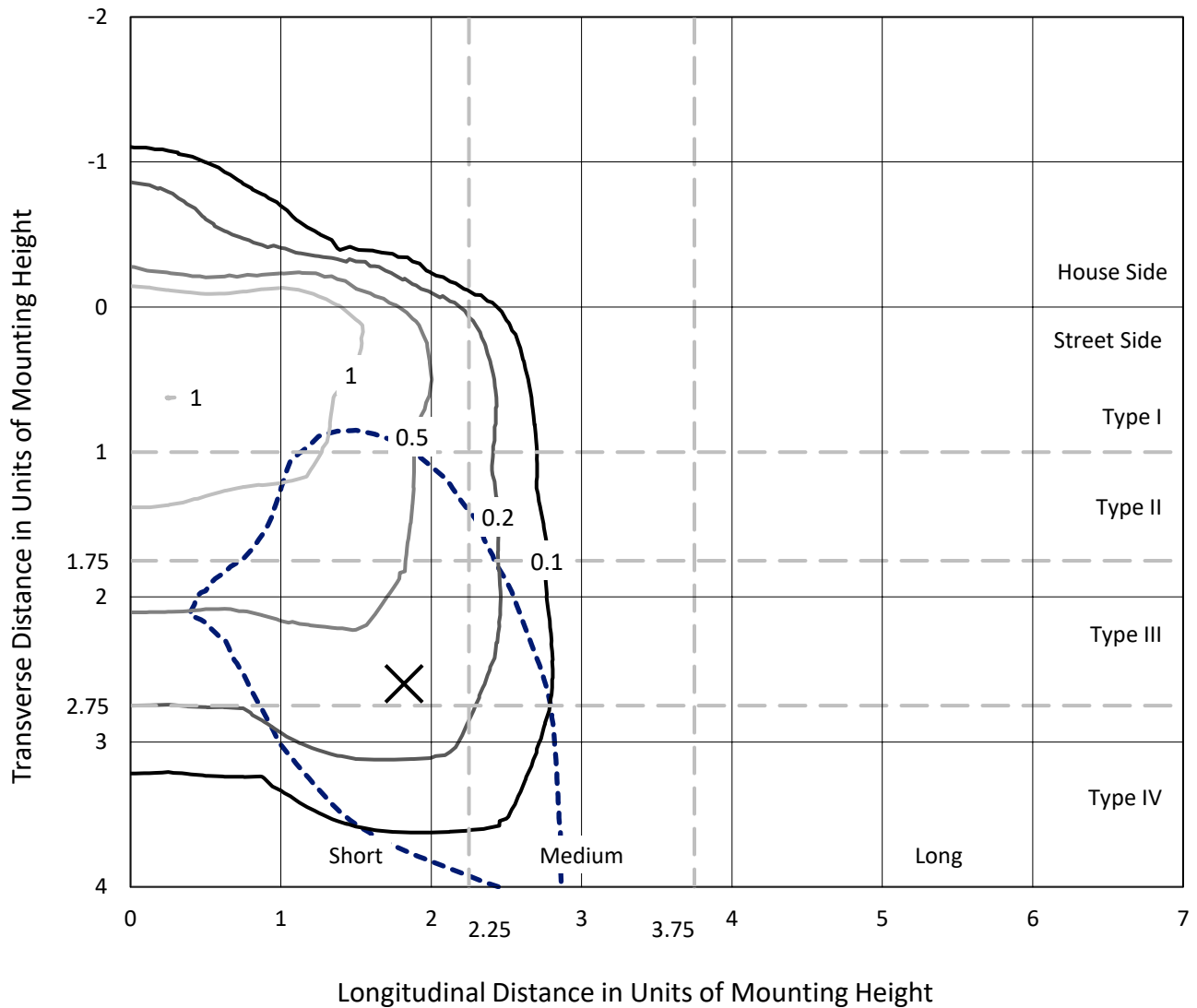
Lumens per Lamp: N/A  
Luminaire Lumens: 7786 lumens  
Efficiency: N/A  
Efficacy: 71.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: P940368  
 CATALOG NUMBER: GALN-SB3B-927-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

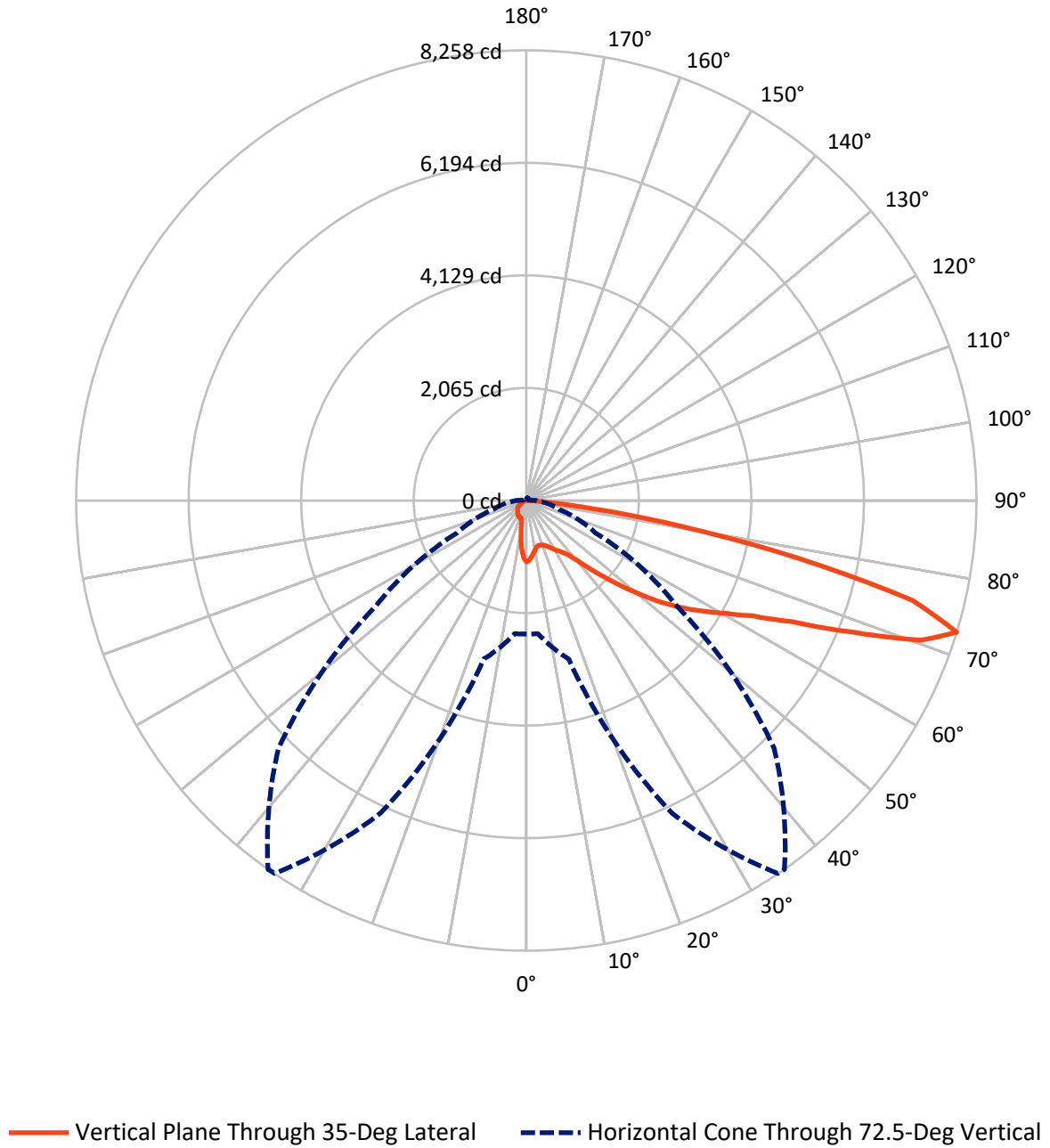
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc  
 Type IV - Short - N/A

REPORT NUMBER: P940368  
CATALOG NUMBER: GALN-SB3B-927-U-T4FT-HSS

### Luminous Intensity Polar Plot



REPORT NUMBER: P940368

CATALOG NUMBER: GALN-SB3B-927-U-T4FT-HSS

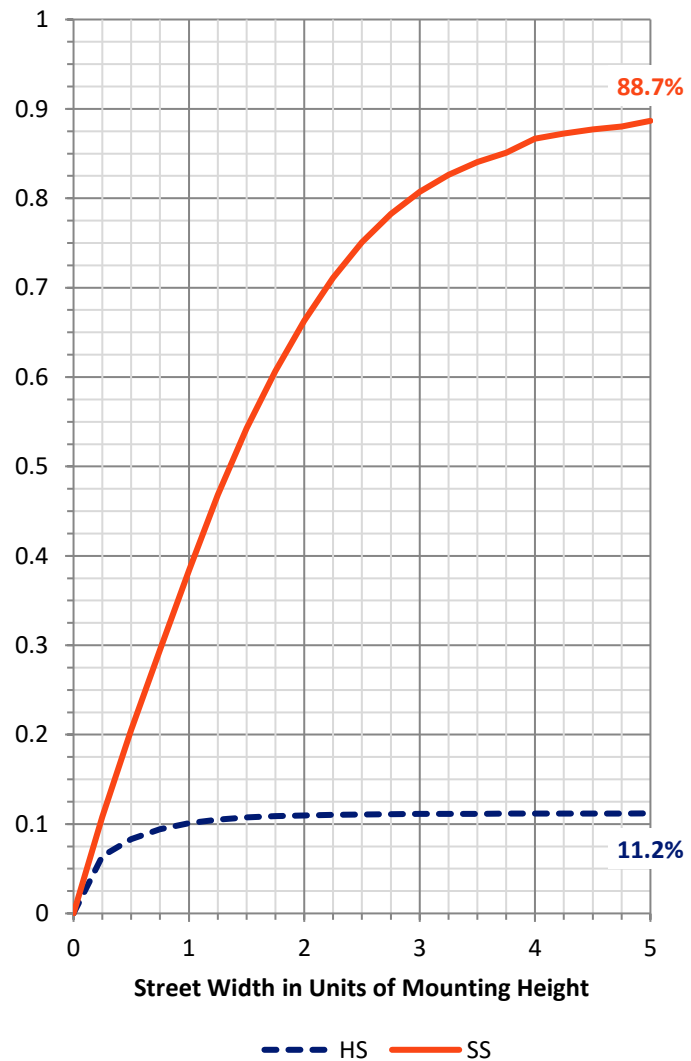
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	876.3	0.0	876.3
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	6909.7	0.0	6909.7
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	7786.0	0.0	7786.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.7	1.2
10°-20°	216.9	2.8
20°-30°	352.4	4.5
30°-40°	588.0	7.6
40°-50°	1112.4	14.3
50°-60°	1767.7	22.7
60°-70°	2186.7	28.1
70°-80°	1359.3	17.5
80°-90°	109.9	1.4
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°	7786.0	100.0
0°-180°	7786.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P940368

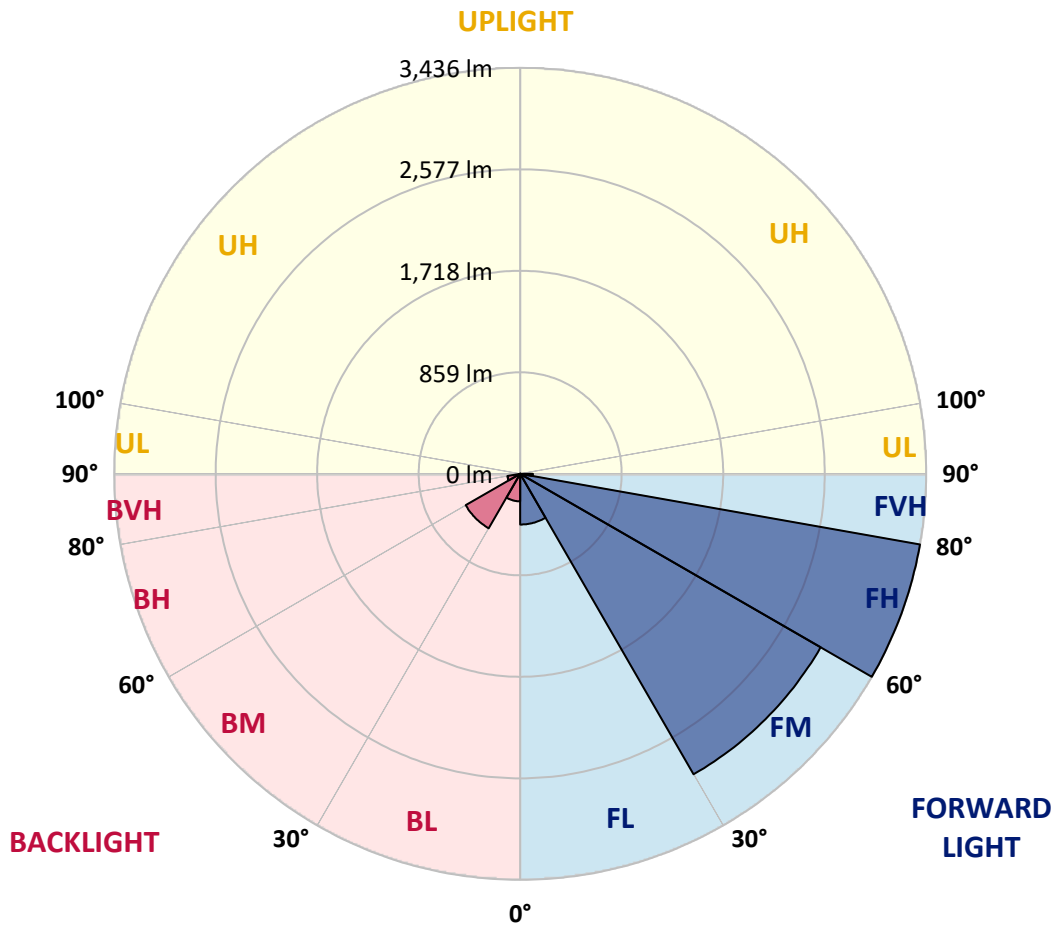
CATALOG NUMBER: GALN-SB3B-927-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	429.2	5.5			
FM (30°-60°)	2936.1	37.7			
FH (60°-80°)	3436.1	44.1			G2/5000
FVH (80°-90°)	108.4	1.4			G2/225
BL (0°-30°)	232.8	3.0	B1/500		
BM (30°-60°)	532.0	6.8	B1/1000		
BH (60°-80°)	110.0	1.4	B0/110		G0/110
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type IV Short



REPORT NUMBER: P940368  
 CATALOG NUMBER: GALN-SB3B-927-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1128.5	1128.5	1128.5	1128.5	1128.5	1128.5	1128.5	1128.5	1128.5	1128.5
2.5°	1078.2	1087.4	1089.1	1091.9	1091.9	1095.4	1101.1	1109.1	1122.2	1129.0
5°	993.8	1000.7	1009.2	1016.1	1029.2	1030.9	1053.1	1074.8	1105.1	1127.9
7.5°	908.8	916.8	928.2	944.8	961.9	967.0	1000.7	1037.2	1085.1	1127.9
10°	848.9	849.5	859.7	876.3	903.7	910.0	951.0	1002.9	1062.8	1121.0
12.5°	815.2	819.2	823.8	836.4	862.6	866.6	910.5	971.6	1040.6	1117.0
15°	815.2	818.1	821.0	827.2	848.3	851.8	890.6	951.6	1029.2	1118.8
17.5°	823.8	828.4	826.1	833.5	855.8	858.0	892.3	945.9	1028.6	1129.6
20°	844.3	847.8	843.2	847.8	870.0	874.6	910.0	956.7	1038.3	1148.4
22.5°	876.9	878.6	867.7	871.2	894.0	899.7	940.8	987.5	1061.7	1178.7
25°	917.9	921.4	904.8	908.8	930.5	937.3	984.7	1033.7	1098.8	1220.3
27.5°	965.3	967.0	952.7	952.2	980.1	989.8	1037.7	1090.8	1148.4	1272.8
30°	1019.5	1024.6	1010.9	1008.6	1044.0	1052.0	1099.4	1161.0	1221.4	1351.5
32.5°	1062.3	1066.3	1058.3	1064.0	1099.9	1106.2	1174.1	1260.2	1336.1	1463.3
35°	1123.9	1126.2	1107.9	1118.2	1159.3	1175.2	1276.2	1399.4	1480.5	1603.7
37.5°	1347.0	1347.0	1269.4	1218.6	1258.0	1272.2	1416.0	1574.6	1658.4	1791.9
40°	1655.6	1650.5	1536.9	1433.1	1428.0	1455.9	1615.1	1795.4	1888.4	2017.9
42.5°	1984.8	1976.8	1822.2	1719.5	1702.4	1712.1	1845.0	2067.5	2162.2	2293.4
45°	2276.9	2274.6	2133.1	1995.0	1964.2	1995.0	2132.0	2385.8	2453.7	2591.8
47.5°	2521.6	2521.6	2418.4	2328.2	2312.2	2330.5	2520.5	2739.0	2732.7	2909.6
50°	2803.4	2801.2	2703.0	2664.2	2680.8	2706.5	2967.8	3110.9	3021.4	3221.6
52.5°	3000.8	3014.5	2980.9	2974.6	3059.0	3103.5	3421.9	3474.9	3279.8	3517.7
55°	3157.2	3173.1	3211.9	3255.9	3418.4	3476.6	3861.7	3820.1	3496.0	3774.4
57.5°	3378.5	3355.7	3415.6	3502.3	3765.3	3835.5	4287.9	4145.8	3670.0	3982.7
60°	3647.2	3650.6	3660.9	3770.4	4111.6	4201.7	4707.8	4453.9	3781.9	4110.5
62.5°	3970.1	3975.3	3996.4	4164.7	4576.6	4661.6	5155.1	4706.1	3833.2	4074.5
65°	3947.9	3969.6	4205.2	4780.8	5283.4	5367.3	5677.1	4882.9	3755.6	3745.9
67.5°	3596.4	3631.8	4026.0	5516.8	6349.1	6442.7	6308.0	4917.7	3420.7	2913.0
70°	3135.5	3148.0	3622.1	6178.5	7583.1	7677.8	6872.8	4534.9	2595.8	1624.8
72.5°	2448.6	2451.4	3007.7	6332.0	8252.9	8258.0	6429.6	3366.5	1396.0	624.1
75°	1749.2	1732.0	2014.4	5135.1	7260.8	7319.0	4820.2	1579.1	533.4	294.9
77.5°	937.9	956.7	1139.9	3045.3	5015.9	5115.1	2630.0	455.3	271.6	200.8
80°	289.8	305.8	467.2	1394.3	2841.1	2901.0	975.0	202.5	189.4	143.2
82.5°	91.3	94.7	217.9	585.9	1179.2	1206.6	282.4	114.7	129.5	94.7
85°	26.2	26.8	97.0	218.5	291.5	297.2	79.3	44.5	74.2	58.8
87.5°	2.9	9.1	36.5	36.5	25.7	25.1	8.6	9.7	21.1	7.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940368  
 CATALOG NUMBER: GALN-SB3B-927-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1128.5	0°	1128.5	1128.5	1128.5	1128.5	1128.5	1128.5	1128.5	1128.5	1128.5	1128.5
1133.6	2.5°	1130.7	1131.3	1123.9	1111.3	1097.6	1086.2	1072.0	1060.6	1052.6	1050.3
1143.9	5°	1138.7	1134.7	1113.6	1075.4	1029.8	990.4	946.5	911.7	888.8	879.1
1154.7	7.5°	1150.7	1139.3	1093.1	1017.8	930.5	852.9	774.2	713.1	674.3	654.9
1165.0	10°	1161.0	1138.2	1058.9	934.5	801.0	683.5	577.3	503.8	462.7	443.3
1176.9	12.5°	1170.7	1137.6	1014.4	835.8	654.9	511.2	412.5	376.0	364.6	360.6
1196.3	15°	1188.9	1139.3	958.4	722.8	509.5	386.2	350.3	349.7	352.0	350.9
1226.0	17.5°	1214.0	1141.0	895.1	603.0	393.1	340.6	338.9	344.0	347.4	345.7
1263.1	20°	1246.5	1147.8	827.8	484.4	337.7	329.2	333.2	337.7	340.6	337.7
1312.7	22.5°	1292.2	1159.8	754.2	389.1	320.1	322.3	325.8	330.9	333.7	329.8
1376.1	25°	1348.1	1178.7	681.7	338.3	311.5	314.3	319.5	325.2	328.6	324.6
1455.9	27.5°	1420.5	1208.9	615.0	326.9	302.9	304.6	312.1	320.6	325.2	320.1
1569.5	30°	1525.5	1258.5	557.4	332.0	297.8	293.8	304.1	316.1	321.2	316.6
1724.1	32.5°	1664.7	1328.7	522.0	340.0	295.5	281.3	291.0	306.4	314.9	312.1
1926.0	35°	1847.3	1435.4	508.3	349.1	293.8	268.1	275.0	291.5	306.4	309.2
2180.5	37.5°	2068.6	1583.7	512.3	353.1	288.7	257.3	260.7	275.0	294.4	303.5
2466.8	40°	2320.2	1756.6	535.1	349.1	283.0	248.2	248.7	259.6	276.7	290.4
2774.9	42.5°	2579.8	1958.5	577.3	334.3	277.8	240.2	238.5	245.9	257.3	267.0
3082.4	45°	2826.8	2166.2	619.0	313.8	271.6	232.2	228.2	231.1	233.3	237.3
3381.9	47.5°	3042.5	2312.2	607.0	294.9	263.0	223.1	216.2	215.1	208.2	207.7
3649.5	50°	3191.4	2344.2	539.1	276.1	250.5	212.8	202.0	195.1	183.1	177.4
3849.7	52.5°	3238.7	2218.1	440.4	257.3	229.9	199.1	183.7	172.9	158.0	152.9
3965.0	55°	3176.0	1971.1	352.0	234.5	201.4	180.8	163.7	149.5	137.5	131.2
3977.5	57.5°	3022.5	1656.7	278.4	207.7	171.2	160.3	143.2	128.9	118.7	112.4
3838.3	60°	2768.1	1315.6	220.2	175.7	146.0	138.1	120.4	111.2	102.1	94.7
3478.9	62.5°	2381.8	939.0	172.9	139.2	122.1	113.0	102.7	95.8	85.0	74.7
2832.5	65°	1858.7	574.5	133.5	102.1	98.1	93.6	87.3	81.0	67.9	57.6
1847.9	67.5°	1172.4	272.1	95.3	77.0	77.6	75.3	72.5	67.3	57.6	48.5
827.8	70°	516.3	131.8	62.8	58.8	57.6	57.6	59.9	58.2	49.1	40.5
287.5	72.5°	175.7	70.7	46.8	44.5	41.6	41.1	50.2	48.5	39.4	31.4
143.2	75°	91.9	47.4	34.2	31.9	25.1	30.2	39.9	37.7	28.0	20.5
94.7	77.5°	59.9	33.7	23.4	20.5	14.3	20.0	29.7	26.2	16.5	10.3
62.2	80°	37.7	22.2	13.7	9.7	6.8	10.8	16.0	11.4	6.3	2.3
36.5	82.5°	20.0	11.4	5.1	3.4	2.9	3.4	4.0	2.9	1.1	0.0
18.8	85°	8.0	4.0	1.7	1.1	0.6	0.0	1.1	0.6	0.0	0.0
3.4	87.5°	2.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

<u>180°</u>
1128.5
1054.3
882.6
657.8
443.9
359.4
350.3
345.2
337.2
329.2
324.0
320.1
316.1
312.1
309.2
305.8
294.9
271.0
239.6
207.1
178.0
152.3
131.2
111.2
93.0
73.0
55.9
47.4
38.8
29.7
18.8
9.1
1.7
0.0
0.0
0.0
0.0

F REPORT)