

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: P942604

Luminaire Tested: **GALN-SB6C-940-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942604  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-940-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

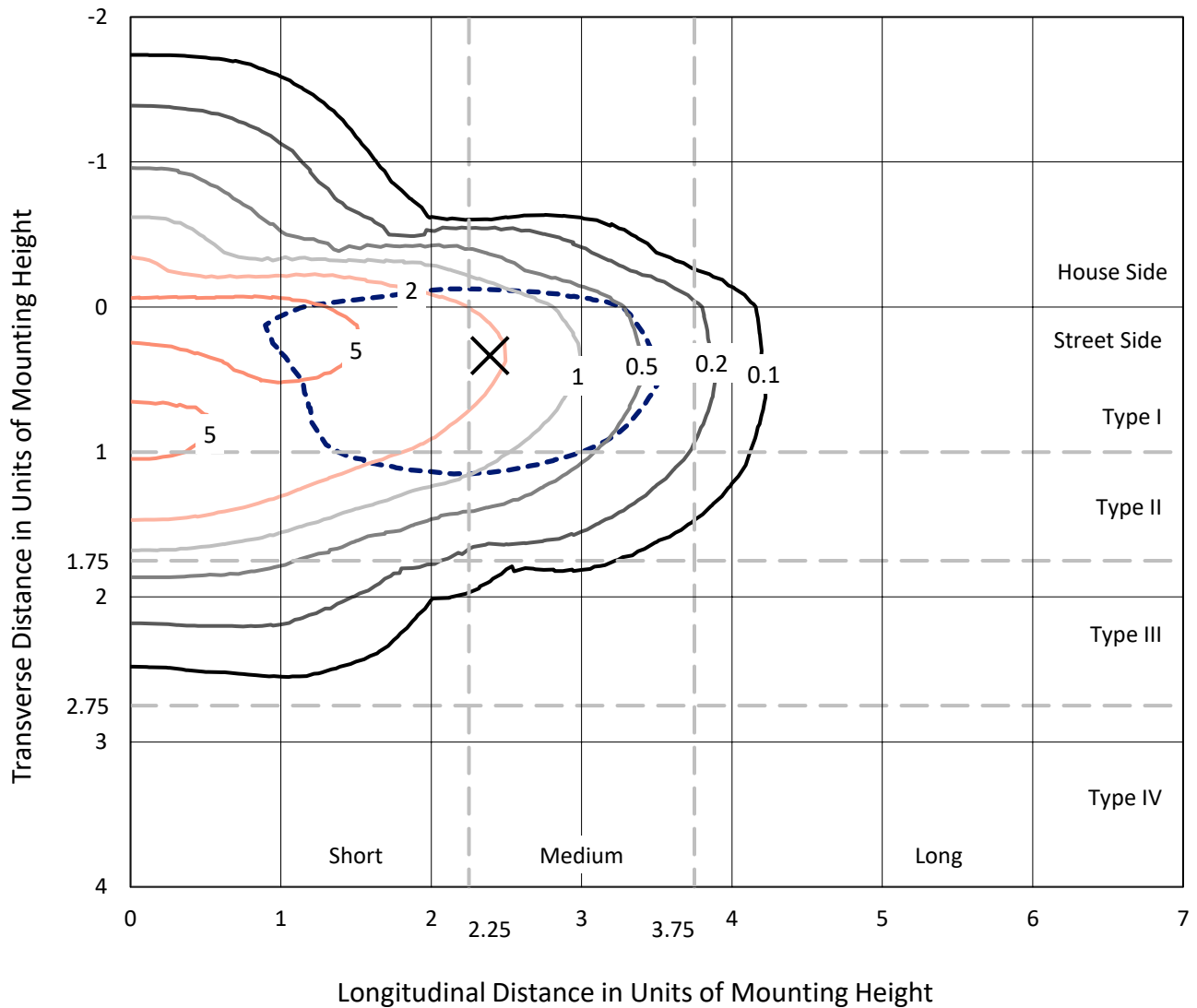
Lumens per Lamp: N/A  
Luminaire Lumens: 24031 lumens  
Efficiency: N/A  
Efficacy: 79.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P942604  
 CATALOG NUMBER: GALN-SB6C-940-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

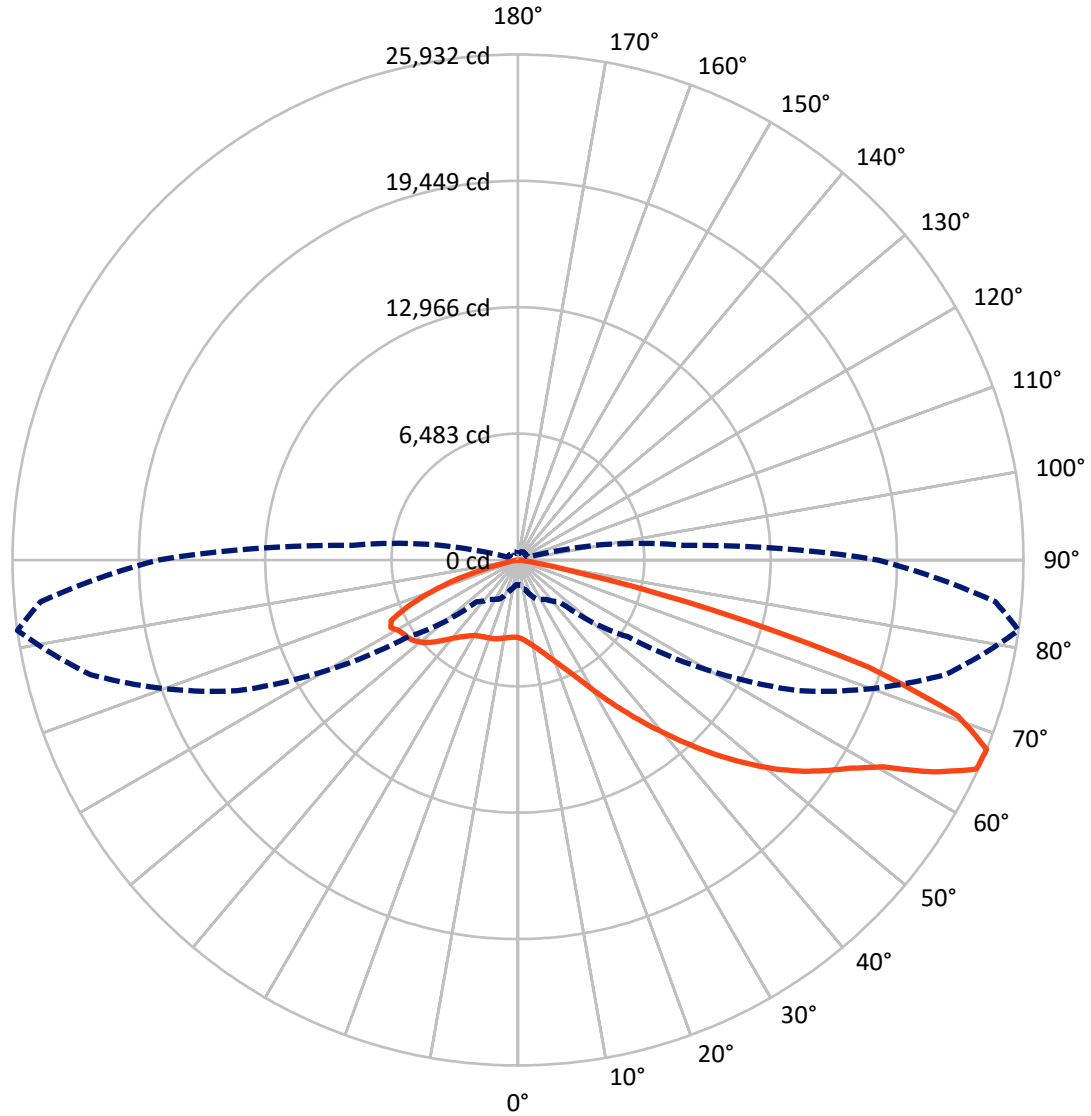
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc  
 Type II - Medium - N/A

REPORT NUMBER: P942604  
CATALOG NUMBER: GALN-SB6C-940-U-T2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P942604

CATALOG NUMBER: GALN-SB6C-940-U-T2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4353.0	0.0	4353.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	19678.0	0.0	19678.0
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	24031.0	0.0	24031.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.7	1.5
10°-20°	921.7	3.8
20°-30°	1476.3	6.1
30°-40°	2610.5	10.9
40°-50°	4573.8	19.0
50°-60°	6100.2	25.4
60°-70°	5679.0	23.6
70°-80°	2179.6	9.1
80°-90°	135.4	0.6
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°	24031.0	100.0
0°-180°	24031.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P942604

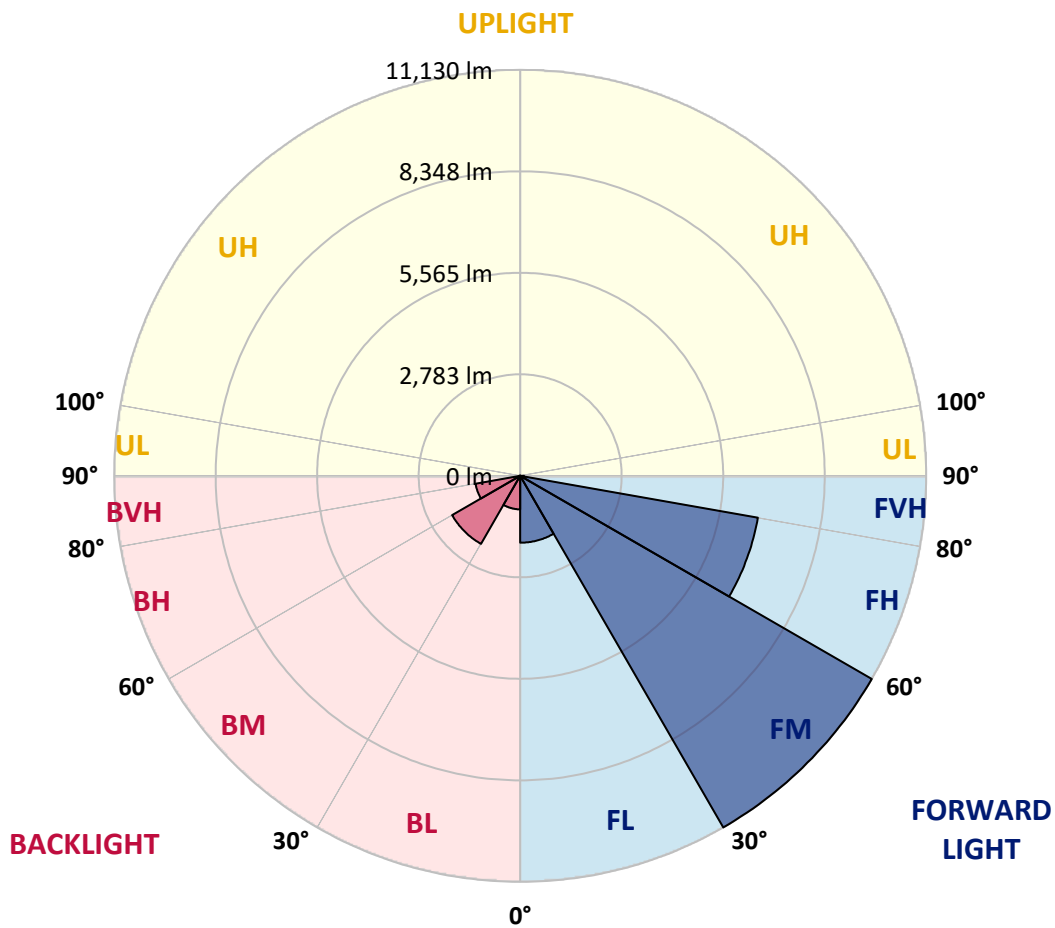
CATALOG NUMBER: GALN-SB6C-940-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1833.3	7.6			
FM (30°-60°)	11130.2	46.3			
FH (60°-80°)	6616.1	27.5			G3/7500
FVH (80°-90°)	98.4	0.4			G1/100
BL (0°-30°)	919.3	3.8	B2/1000		
BM (30°-60°)	2154.3	9.0	B2/2500		
BH (60°-80°)	1242.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	37.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Medium



REPORT NUMBER: P942604  
 CATALOG NUMBER: GALN-SB6C-940-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3981.1	3981.1	3981.1	3981.1	3981.1	3981.1	3981.1	3981.1	3981.1	3981.1
2.5°	4207.8	4232.0	4218.2	4211.2	4199.1	4181.8	4168.0	4124.7	4079.7	4050.3
5°	4292.6	4316.8	4315.0	4322.0	4330.6	4335.8	4332.3	4283.9	4219.9	4169.7
7.5°	4219.9	4247.6	4270.1	4304.7	4365.2	4429.2	4460.4	4450.0	4384.3	4315.0
10°	4014.0	4043.4	4097.0	4178.4	4306.4	4444.8	4560.7	4614.4	4572.8	4496.7
12.5°	3636.8	3666.2	3771.8	3948.3	4162.8	4403.3	4624.7	4768.4	4778.7	4702.6
15°	3212.9	3242.3	3354.8	3576.3	3903.3	4289.1	4659.4	4931.0	5022.7	4956.9
17.5°	2949.9	2975.9	3060.7	3238.9	3579.7	4060.7	4647.2	5104.0	5313.4	5261.4
20°	2870.4	2892.8	2932.6	3057.2	3341.0	3823.7	4567.7	5266.6	5626.5	5597.1
22.5°	2955.1	2975.9	2988.0	3043.4	3221.6	3668.0	4467.3	5432.7	5989.9	5993.3
25°	3150.6	3171.4	3157.6	3192.2	3270.0	3619.5	4429.2	5628.2	6446.6	6484.7
27.5°	3472.5	3474.2	3441.3	3439.6	3451.7	3692.2	4469.0	5837.6	7022.8	7093.7
30°	4117.8	4091.9	3965.6	3828.9	3766.6	3910.2	4579.8	6085.0	7702.7	7829.0
32.5°	5112.7	5074.6	4842.7	4515.7	4187.0	4261.4	4778.7	6367.0	8443.2	8671.6
35°	6192.3	6181.9	5939.7	5453.5	4879.1	4761.4	5102.3	6737.3	9251.2	9614.6
37.5°	7195.8	7190.6	7052.2	6479.5	5780.5	5458.7	5621.3	7221.7	10116.3	10642.3
40°	8112.8	8128.3	7989.9	7477.8	6773.6	6353.2	6327.2	7820.4	11078.3	11761.7
42.5°	8905.2	8922.5	8782.3	8403.4	7754.6	7342.8	7194.1	8554.0	12017.8	12964.2
45°	9443.3	9550.5	9529.8	9227.0	8761.6	8334.2	8235.6	9474.4	13088.7	14239.3
47.5°	9595.5	9694.1	9849.9	9891.4	9607.6	9187.2	9304.9	10583.5	14171.8	15516.2
50°	9220.1	9311.8	9635.3	10066.1	10263.4	10133.6	10344.7	11772.1	15280.9	16789.6
52.5°	8479.6	8573.0	8981.3	9663.0	10467.5	10875.9	11388.0	12943.4	16355.3	17995.5
55°	7408.6	7507.2	8031.5	8803.1	10078.2	11182.1	12258.3	14113.0	17339.8	19080.3
57.5°	5951.8	6024.5	6569.5	7649.1	9099.0	10877.6	12900.2	15389.9	18267.1	20146.1
60°	3879.0	3943.1	4576.3	5780.5	7476.1	9860.2	13028.2	16813.8	19499.0	21532.0
62.5°	2579.7	2622.9	2998.4	3882.5	5264.9	7906.9	12279.0	17950.5	21305.3	23943.8
65°	1770.0	1813.2	2188.7	2804.6	3401.5	5230.3	10125.0	17800.0	22942.1	25859.1
67.5°	1263.0	1299.4	1617.7	2199.0	2462.0	3038.2	6863.6	15876.0	22706.8	25931.8
70°	904.9	925.6	1188.6	1712.9	1956.8	1825.3	3816.8	12142.3	19881.4	23945.6
72.5°	633.2	640.2	825.3	1304.5	1576.2	1332.2	1816.7	8095.5	15036.9	18794.8
75°	429.1	437.7	555.4	956.8	1264.8	1017.3	962.0	4341.0	8827.3	10403.5
77.5°	263.0	266.4	358.1	654.0	946.4	775.1	619.4	1839.2	3415.4	3353.1
80°	148.8	148.8	228.4	406.6	645.4	500.0	434.3	782.0	1081.4	949.9
82.5°	83.0	84.8	166.1	252.6	427.4	295.9	238.8	361.6	467.1	413.5
85°	34.6	38.1	102.1	119.4	204.2	147.1	96.9	152.3	173.0	154.0
87.5°	3.5	5.2	31.1	22.5	24.2	29.4	13.8	29.4	24.2	24.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942604  
 CATALOG NUMBER: GALN-SB6C-940-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3981.1	0°	3981.1	3981.1	3981.1	3981.1	3981.1	3981.1	3981.1	3981.1	3981.1	3981.1
4039.9	2.5°	4007.1	3981.1	3915.4	3839.2	3738.9	3690.5	3624.7	3579.7	3541.7	3545.1
4140.3	5°	4084.9	4019.2	3872.1	3688.7	3460.3	3297.7	3124.7	3005.3	2908.4	2887.7
4278.7	7.5°	4192.2	4088.4	3830.6	3500.1	3114.3	2821.9	2560.7	2392.8	2273.4	2235.4
4446.5	10°	4330.6	4180.1	3777.0	3263.1	2707.7	2335.7	2055.4	1924.0	1842.6	1814.9
4643.8	12.5°	4491.5	4285.6	3706.0	2974.2	2289.0	1930.9	1752.7	1686.9	1661.0	1652.3
4886.0	15°	4694.0	4417.1	3598.8	2631.6	1934.3	1683.5	1607.3	1598.7	1602.1	1598.7
5176.7	17.5°	4934.4	4560.7	3424.0	2278.6	1695.6	1557.2	1529.5	1536.4	1545.0	1543.3
5501.9	20°	5197.4	4702.6	3200.8	1965.5	1532.9	1467.2	1451.6	1458.5	1465.5	1462.0
5877.4	22.5°	5496.8	4854.9	2953.4	1721.5	1423.9	1384.1	1366.8	1368.6	1368.6	1361.6
6353.2	25°	5854.9	5022.7	2693.9	1548.5	1340.9	1309.7	1289.0	1282.1	1271.7	1250.9
6931.1	27.5°	6282.3	5200.9	2444.7	1427.4	1275.1	1245.7	1221.5	1204.2	1178.2	1143.6
7624.9	30°	6763.2	5417.2	2233.7	1351.3	1223.2	1193.8	1166.1	1140.2	1102.1	1058.9
8422.5	32.5°	7329.0	5649.0	2079.7	1301.1	1176.5	1145.4	1112.5	1081.4	1039.8	996.6
9318.7	35°	8003.8	5929.3	1989.7	1266.5	1140.2	1098.7	1062.3	1027.7	996.6	958.5
10292.8	37.5°	8735.6	6226.9	1962.0	1249.2	1116.0	1051.9	1010.4	986.2	982.7	960.2
11346.5	40°	9536.7	6579.8	1982.8	1238.8	1090.0	1007.0	962.0	956.8	965.4	925.6
12472.8	42.5°	10384.5	6998.5	2017.4	1226.7	1053.7	962.0	918.7	918.7	911.8	856.4
13663.2	45°	11301.5	7481.3	2052.0	1197.3	1010.4	917.0	884.1	872.0	842.6	789.0
14860.4	47.5°	12225.4	7972.6	2077.9	1143.6	958.5	878.9	849.5	821.8	778.6	730.1
16035.2	50°	13102.6	8413.8	2050.3	1064.1	899.7	842.6	811.5	773.4	726.7	693.8
17147.7	52.5°	13886.4	8796.2	1932.6	970.6	837.4	804.5	776.8	737.1	699.0	664.4
18151.2	55°	14568.0	9105.9	1725.0	882.4	782.0	771.7	744.0	693.8	641.9	612.5
19146.1	57.5°	15222.0	9341.2	1465.5	809.7	731.9	735.3	693.8	648.8	600.4	569.2
20487.0	60°	16092.3	9656.1	1202.5	742.2	678.2	688.6	643.6	610.8	550.2	510.4
22786.4	62.5°	17483.4	10145.7	955.1	659.2	615.9	619.4	600.4	560.6	487.9	441.2
24490.6	65°	18587.2	9965.8	752.6	569.2	545.0	550.2	550.2	506.9	429.1	375.4
24582.3	67.5°	18462.7	8533.2	600.4	481.0	477.5	481.0	493.1	456.8	380.6	337.4
22710.2	70°	17007.6	6787.5	481.0	399.7	415.2	406.6	441.2	417.0	342.6	299.3
17606.2	72.5°	13877.7	4889.5	366.8	330.5	318.4	332.2	397.9	375.4	285.5	237.0
9325.6	75°	8109.3	2609.1	273.4	261.3	230.1	276.8	353.0	320.1	218.0	174.7
2858.2	77.5°	2640.2	910.1	200.7	192.0	171.3	223.2	301.0	269.9	178.2	138.4
837.4	80°	707.6	275.1	136.7	126.3	110.7	166.1	238.8	214.5	128.0	90.0
359.9	82.5°	283.7	115.9	79.6	70.9	60.6	114.2	188.6	173.0	95.2	57.1
112.5	85°	91.7	38.1	29.4	22.5	27.7	70.9	112.5	117.7	67.5	29.4
17.3	87.5°	12.1	5.2	5.2	6.9	5.2	12.1	34.6	32.9	19.0	3.5
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>
3981.1
3510.5
2840.9
2197.3
1794.2
1647.1
1596.9
1539.9
1460.3
1358.2
1247.5
1140.2
1055.4
998.3
955.1
958.5
927.4
856.4
787.2
728.4
688.6
660.9
609.0
565.8
505.2
437.7
370.3
330.5
294.1
231.8
169.6
133.2
88.2
57.1
22.5
0.0
0.0

F REPORT)