

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: P952492

Luminaire Tested: **GALN-SB6B-827-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952492  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-827-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

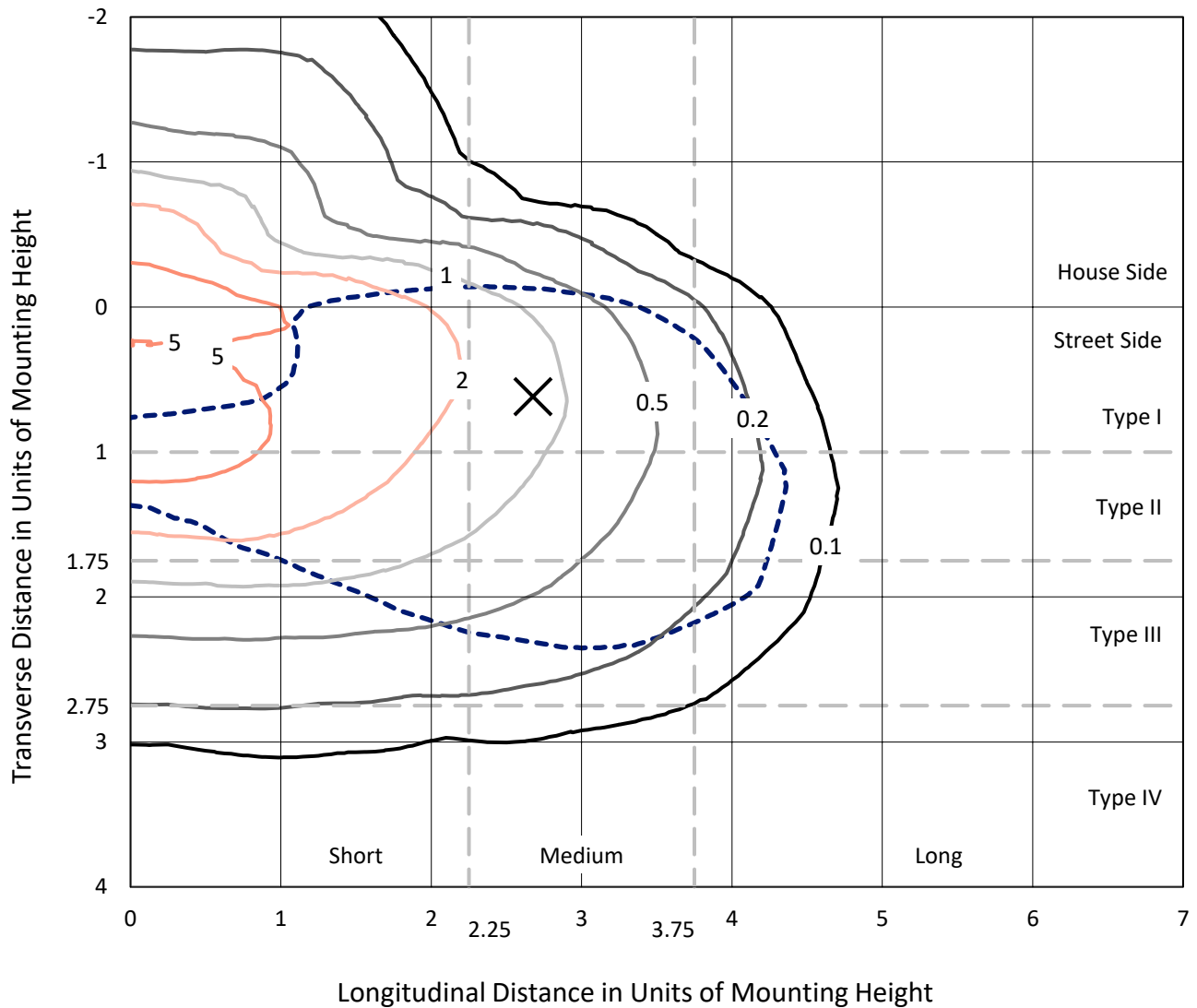
Lumens per Lamp: N/A  
Luminaire Lumens: 30483 lumens  
Efficiency: N/A  
Efficacy: 138.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): 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: P952492  
 CATALOG NUMBER: GALN-SB6B-827-U-T3R

### Iso-Footcandle Lines of Horizontal Illumination

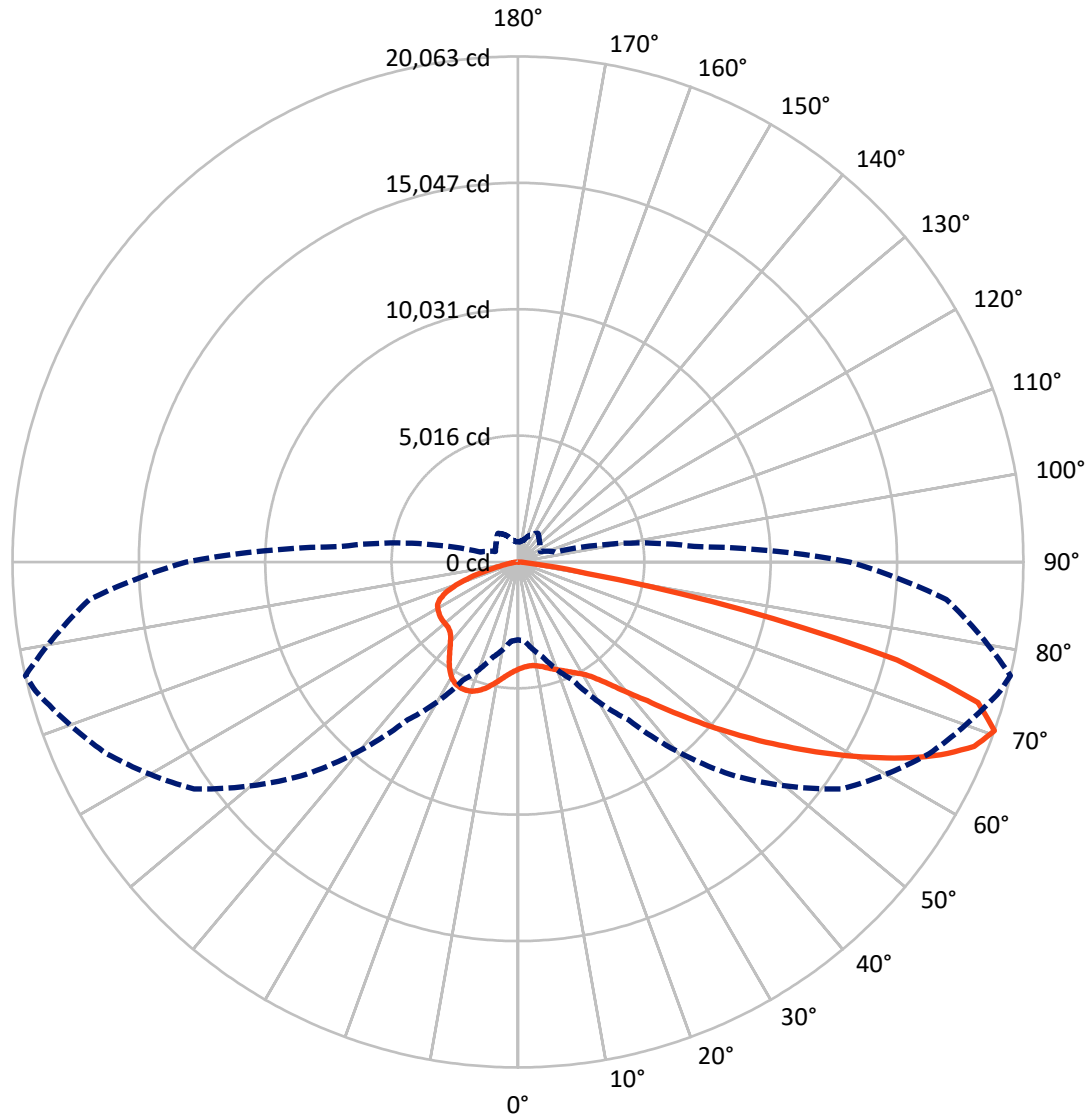
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P952492  
CATALOG NUMBER: GALN-SB6B-827-U-T3R

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P952492

CATALOG NUMBER: GALN-SB6B-827-U-T3R

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6675.3	0.0	6675.3
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	23807.7	0.0	23807.7
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	30483.0	0.0	30483.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.6	1.3
10°-20°	1170.6	3.8
20°-30°	2001.8	6.6
30°-40°	3219.2	10.6
40°-50°	5026.0	16.5
50°-60°	6713.5	22.0
60°-70°	7155.5	23.5
70°-80°	4404.9	14.5
80°-90°	386.0	1.3
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°	30483.0	100.0
0°-180°	30483.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P952492

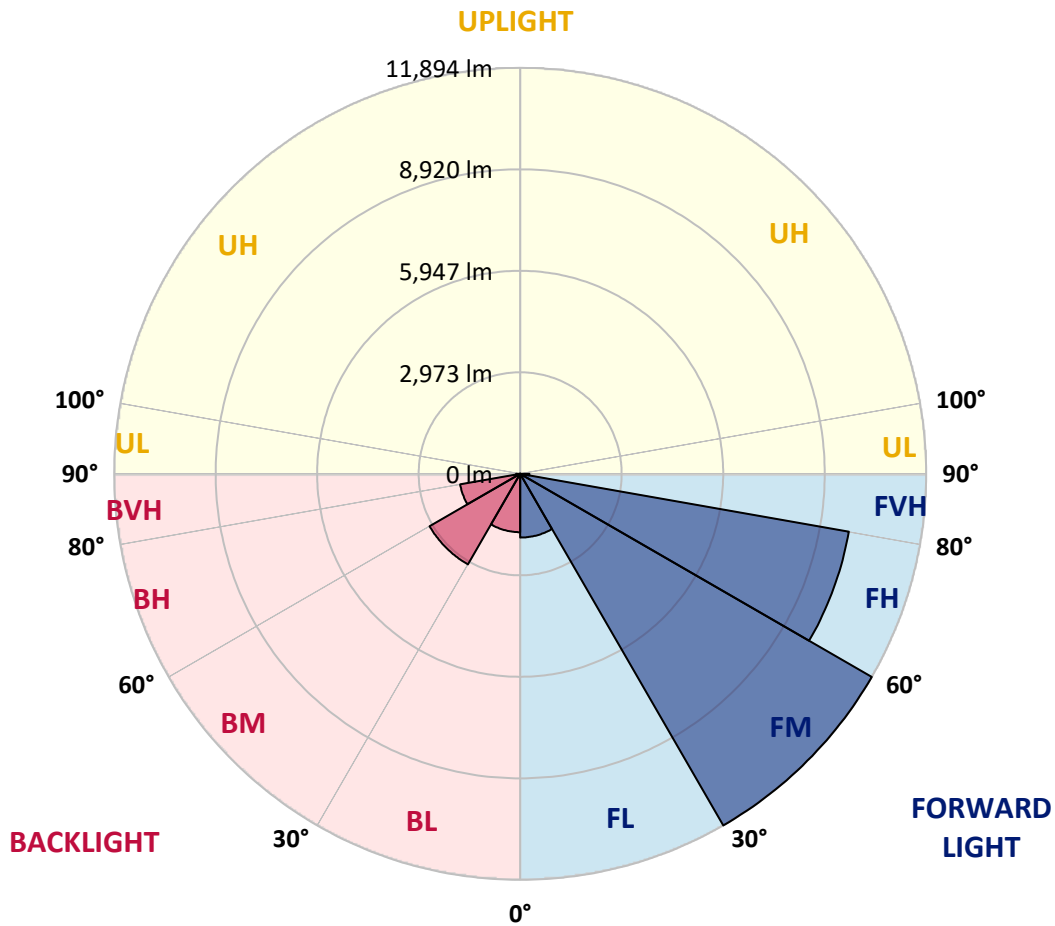
CATALOG NUMBER: GALN-SB6B-827-U-T3R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1867.6	6.1			
FM (30°-60°)	11893.8	39.0			
FH (60°-80°)	9776.4	32.1			G4/12000
FVH (80°-90°)	269.9	0.9			G3/500
BL (0°-30°)	1710.4	5.6	B3/2500		
BM (30°-60°)	3064.8	10.1	B3/5000		
BH (60°-80°)	1784.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	116.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Medium



REPORT NUMBER: P952492  
 CATALOG NUMBER: GALN-SB6B-827-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7
2.5°	3920.1	3918.6	3938.9	3945.1	3982.6	4009.1	4059.1	4112.2	4180.8	4188.6
5°	3693.8	3693.8	3717.2	3742.2	3790.5	3843.6	3920.1	4012.2	4130.9	4149.6
7.5°	3501.7	3514.2	3534.5	3582.9	3639.1	3715.6	3832.7	3963.8	4120.0	4149.6
10°	3347.2	3361.2	3386.2	3425.2	3509.5	3615.7	3768.7	3937.3	4146.5	4193.3
12.5°	3298.8	3312.8	3326.9	3356.5	3434.6	3559.5	3742.2	3949.8	4210.5	4257.3
15°	3411.2	3428.4	3417.4	3409.6	3450.2	3564.2	3754.6	3995.1	4290.1	4357.3
17.5°	3670.3	3676.6	3651.6	3578.2	3572.0	3632.9	3814.0	4057.5	4390.0	4463.4
20°	4088.7	4077.8	4026.3	3881.1	3798.4	3785.9	3915.4	4151.2	4493.1	4571.1
22.5°	4657.0	4644.5	4541.5	4312.0	4127.8	4006.0	4062.2	4273.0	4608.6	4696.0
25°	5365.8	5348.6	5197.2	4884.9	4599.2	4297.9	4262.0	4433.8	4750.7	4831.9
27.5°	6193.2	6179.2	6015.2	5603.1	5190.9	4697.6	4510.3	4622.7	4899.0	4991.1
30°	7083.1	7123.7	6833.3	6389.9	5868.5	5219.0	4844.3	4855.3	5091.0	5173.8
32.5°	8129.1	8199.3	7849.6	7287.6	6575.7	5785.7	5265.9	5180.0	5370.5	5439.2
35°	9165.7	9245.3	8954.9	8333.6	7514.0	6453.9	5706.1	5553.1	5742.0	5817.0
37.5°	10061.8	10168.0	10018.1	9477.9	8517.8	7259.5	6280.6	5991.8	6199.4	6293.1
40°	10769.0	10931.4	10920.5	10583.2	9701.2	8236.8	7009.7	6533.5	6767.7	6869.2
42.5°	11343.5	11484.0	11605.8	11588.6	10936.1	9346.8	7866.8	7237.6	7415.6	7532.7
45°	11740.1	11890.0	12152.2	12434.8	12124.1	10534.8	8848.8	8072.9	8235.2	8411.6
47.5°	12094.5	12264.6	12605.0	13053.0	13132.7	11727.6	9924.4	9045.5	9193.8	9376.5
50°	12125.7	12272.4	12800.1	13435.5	13849.2	12873.5	11079.7	10136.7	10275.7	10470.8
52.5°	11371.6	11602.7	12523.8	13424.6	14178.6	13832.1	12227.2	11271.7	11427.8	11662.0
55°	8826.9	9165.7	11713.5	13006.2	14061.6	14451.9	13318.4	12478.5	12678.3	12923.5
57.5°	7603.0	7751.3	9298.4	12244.3	13527.6	14612.7	14239.5	13697.8	14019.4	14287.9
60°	6833.3	6956.6	7871.5	11059.4	12825.1	14358.2	14951.4	14834.3	15390.1	15710.2
62.5°	6009.0	6126.1	6958.2	9234.4	11925.9	13935.1	15401.0	15883.5	16795.2	17144.9
65°	5190.9	5290.8	6088.6	7759.1	10783.1	13512.0	15633.7	16790.5	18095.6	18457.8
67.5°	4279.2	4361.9	5116.0	6546.0	9393.6	12932.8	15749.2	17504.0	19227.5	19538.2
70°	3088.0	3152.0	3931.1	5176.9	7649.8	11936.8	15702.4	18009.8	19814.5	20062.7
72.5°	1459.7	1517.5	2432.3	3361.2	5403.2	9997.8	14754.7	17608.6	19218.1	19094.8
75°	779.0	829.0	1397.3	1843.8	2853.8	6853.6	12074.2	15168.4	16137.9	15538.4
77.5°	527.7	566.7	864.9	1106.9	1303.6	3253.5	7760.6	10502.1	10104.0	9114.2
80°	418.4	459.0	708.8	749.4	630.7	1175.6	3206.7	4861.5	3492.4	2793.0
82.5°	321.6	366.9	596.4	543.3	343.5	482.4	933.6	1537.8	894.6	680.7
85°	196.7	245.1	468.4	346.6	193.6	220.1	316.9	427.8	273.2	227.9
87.5°	99.9	140.5	237.3	126.5	87.4	51.5	84.3	84.3	71.8	62.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952492  
 CATALOG NUMBER: GALN-SB6B-827-U-T3R

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4252.7	0°	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7	4252.7
4230.8	2.5°	4268.3	4299.5	4352.6	4402.5	4441.6	4479.0	4516.5	4536.8	4543.0	4568.0
4254.2	5°	4318.2	4376.0	4479.0	4575.8	4636.7	4674.2	4700.7	4716.3	4719.4	4727.3
4318.2	7.5°	4410.3	4502.4	4646.1	4742.9	4788.1	4785.0	4774.1	4735.1	4719.4	4705.4
4411.9	10°	4539.9	4661.7	4838.1	4905.2	4877.1	4802.2	4705.4	4591.4	4538.4	4486.8
4539.9	12.5°	4700.7	4855.3	5028.6	5025.4	4886.5	4694.5	4469.7	4294.8	4184.0	4104.3
4697.6	15°	4895.9	5073.8	5206.5	5100.4	4795.9	4450.9	4121.5	3893.6	3793.7	3706.2
4856.8	17.5°	5097.3	5287.7	5348.6	5077.0	4568.0	4090.3	3717.2	3537.6	3439.3	3392.4
5028.6	20°	5294.0	5482.9	5432.9	4942.7	4221.4	3681.3	3348.7	3250.4	3230.1	3241.0
5195.6	22.5°	5501.6	5670.2	5450.1	4683.5	3779.6	3262.9	3080.2	3083.3	3128.6	3161.4
5370.5	25°	5713.9	5827.9	5404.8	4308.9	3305.0	2955.3	2910.0	2960.0	3049.0	3113.0
5567.2	27.5°	5918.4	5968.4	5306.5	3845.2	2897.6	2735.2	2743.0	2846.0	2980.3	3069.3
5806.0	30°	6149.5	6093.3	5117.6	3323.8	2615.0	2546.3	2611.9	2732.1	2866.3	2945.9
6107.3	32.5°	6410.2	6201.0	4817.8	2841.3	2415.1	2394.9	2502.6	2580.6	2640.0	2663.4
6507.0	35°	6734.9	6352.4	4433.8	2502.6	2235.6	2284.0	2387.0	2348.0	2324.6	2312.1
7044.0	37.5°	7156.5	6557.0	3984.1	2282.4	2090.4	2204.4	2246.5	2124.8	2032.7	1987.4
7695.1	40°	7663.8	6856.7	3551.7	2112.3	1998.3	2135.7	2062.3	1915.6	1798.5	1734.5
8427.3	42.5°	8227.4	7170.5	3187.9	1984.3	1946.8	2079.5	1926.5	1751.6	1562.7	1542.4
9300.0	45°	8819.1	7493.7	2939.7	1885.9	1921.8	2031.1	1848.4	1565.9	1431.6	1514.3
10175.8	47.5°	9410.8	7790.3	2789.8	1812.5	1909.3	1976.5	1779.7	1462.8	1367.6	1487.8
11114.0	50°	10069.6	8055.7	2722.7	1759.5	1895.3	1954.6	1676.7	1436.3	1300.5	1380.1
12085.1	52.5°	10723.8	8261.8	2672.7	1706.4	1875.0	1937.4	1626.8	1405.1	1219.3	1224.0
13062.4	55°	11376.3	8396.0	2618.1	1636.1	1829.7	1900.0	1622.1	1370.7	1158.4	1136.5
14095.9	57.5°	12072.6	8472.5	2551.0	1558.1	1751.6	1804.7	1617.4	1344.2	1139.7	1103.8
15152.8	60°	12781.4	8584.9	2463.5	1462.8	1647.0	1690.8	1606.5	1334.8	1128.7	1067.8
16148.9	62.5°	13416.8	8624.0	2358.9	1372.3	1512.8	1578.4	1583.0	1327.0	1099.1	994.5
16976.3	65°	13833.6	8455.4	2176.3	1269.2	1367.6	1462.8	1537.8	1300.5	1046.0	941.4
17385.3	67.5°	13816.5	7974.5	1890.6	1136.5	1227.1	1334.8	1472.2	1255.2	982.0	875.8
17076.2	70°	13173.2	7025.3	1528.4	982.0	1072.5	1197.4	1387.9	1188.1	905.5	804.0
15184.0	72.5°	11298.3	5498.5	1110.0	800.9	893.0	1055.4	1278.6	1106.9	827.4	740.0
11221.8	75°	8071.3	3479.9	752.5	615.1	694.7	894.6	1142.8	1011.6	755.6	743.1
5620.3	77.5°	4123.1	1662.7	498.0	449.6	484.0	705.7	960.1	903.9	766.5	613.5
1598.6	80°	1341.1	613.5	313.8	306.0	321.6	469.9	743.1	741.6	580.8	416.8
387.2	82.5°	427.8	263.8	204.5	196.7	188.9	295.1	518.3	587.0	391.9	263.8
138.9	85°	170.2	157.7	120.2	110.8	79.6	138.9	271.6	390.3	291.9	190.5
35.9	87.5°	62.4	62.4	32.8	23.4	17.2	46.8	73.4	117.1	167.0	98.4
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>
4252.7
4582.1
4739.7
4708.5
4471.2
4085.6
3696.9
3406.5
3236.3
3169.2
3130.2
3091.1
2964.7
2675.9
2324.6
1998.3
1739.2
1562.7
1558.1
1544.0
1439.4
1256.8
1152.2
1108.4
1072.5
994.5
941.4
880.5
<i>813.4</i>
735.3
701.0
546.4
368.4
262.3
195.1
96.8
0.0

F REPORT)