

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: P952156

Luminaire Tested: **GALN-SB6A-830-U-T3R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952156  
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-SB6A-830-U-T3R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

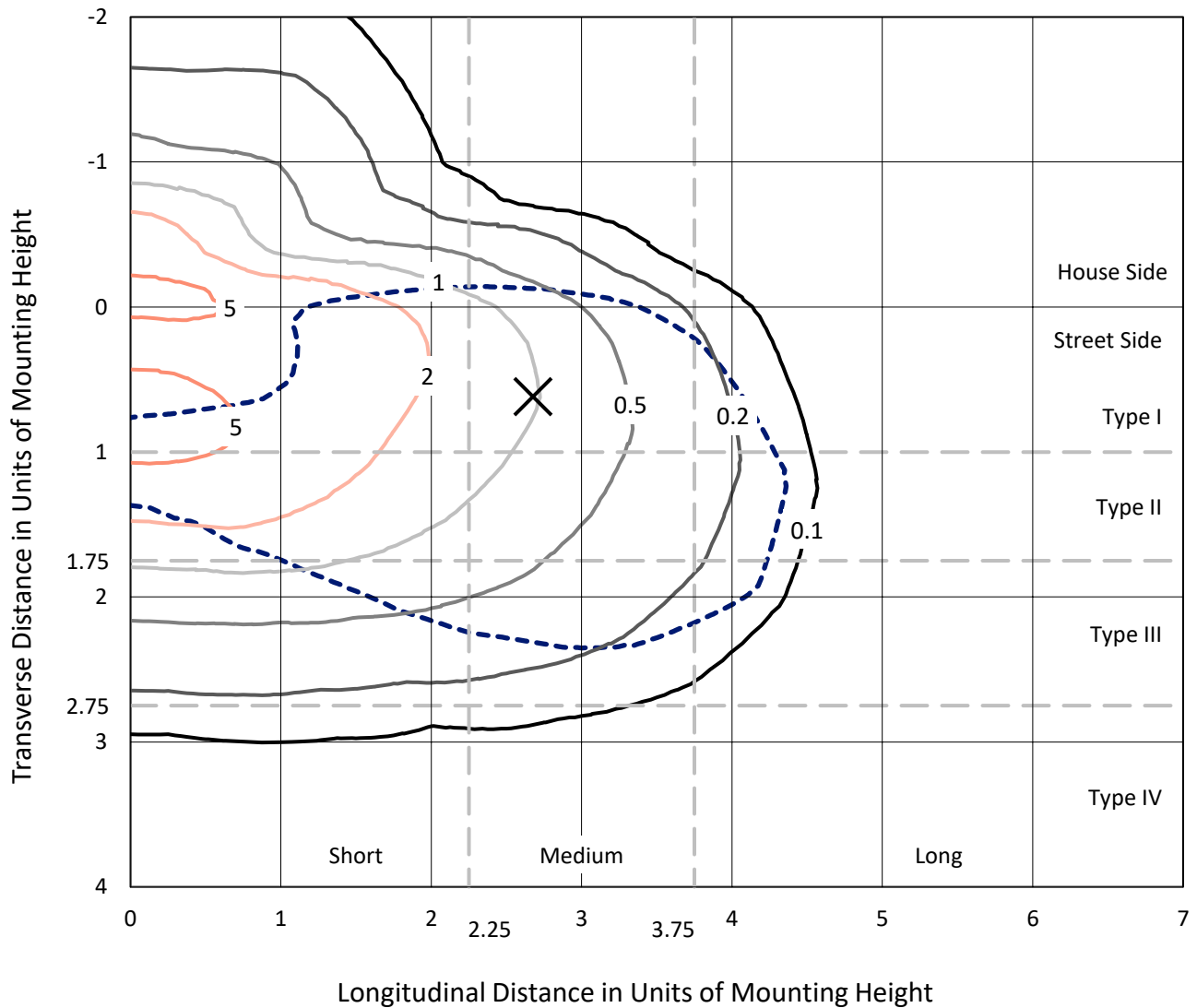
Lumens per Lamp: N/A  
Luminaire Lumens: 25092 lumens  
Efficiency: N/A  
Efficacy: 146.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): 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: P952156  
 CATALOG NUMBER: GALN-SB6A-830-U-T3R

### Iso-Footcandle Lines of Horizontal Illumination

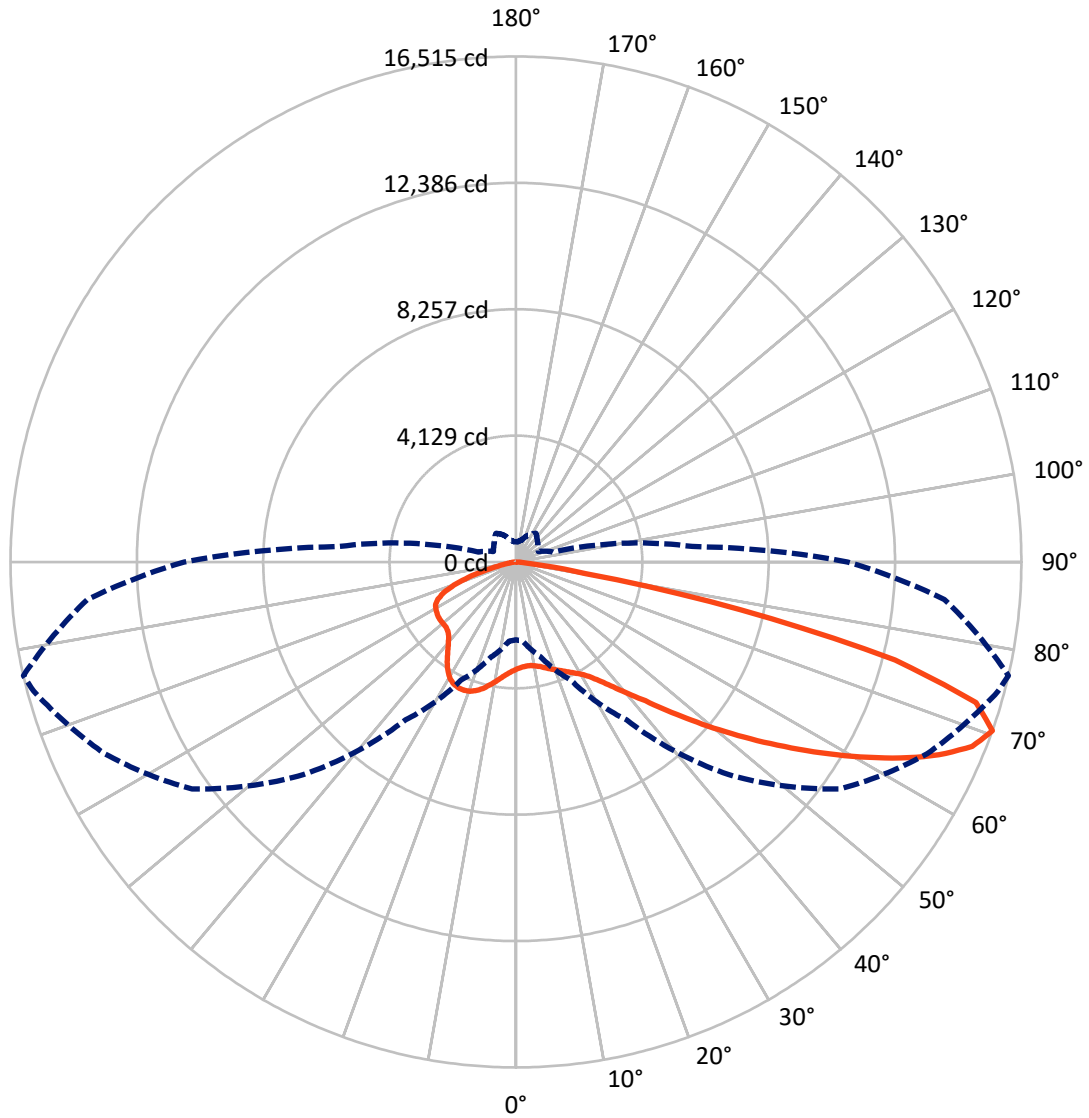
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P952156  
CATALOG NUMBER: GALN-SB6A-830-U-T3R

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P952156  
 CATALOG NUMBER: GALN-SB6A-830-U-T3R

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5494.8	0.0	5494.8
	% Fixture	21.9	0.0	21.9
<b>Street Side</b>	Lumens	19597.2	0.0	19597.2
	% Fixture	78.1	0.0	78.1
<b>Total</b>	Lumens	25092.0	0.0	25092.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	333.9	1.3
10°-20°	963.6	3.8
20°-30°	1647.8	6.6
30°-40°	2649.8	10.6
40°-50°	4137.1	16.5
50°-60°	5526.2	22.0
60°-70°	5890.0	23.5
70°-80°	3625.9	14.5
80°-90°	317.7	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°	25092.0	100.0
0°-180°	25092.0	100.0

**Coefficient of Utilization**



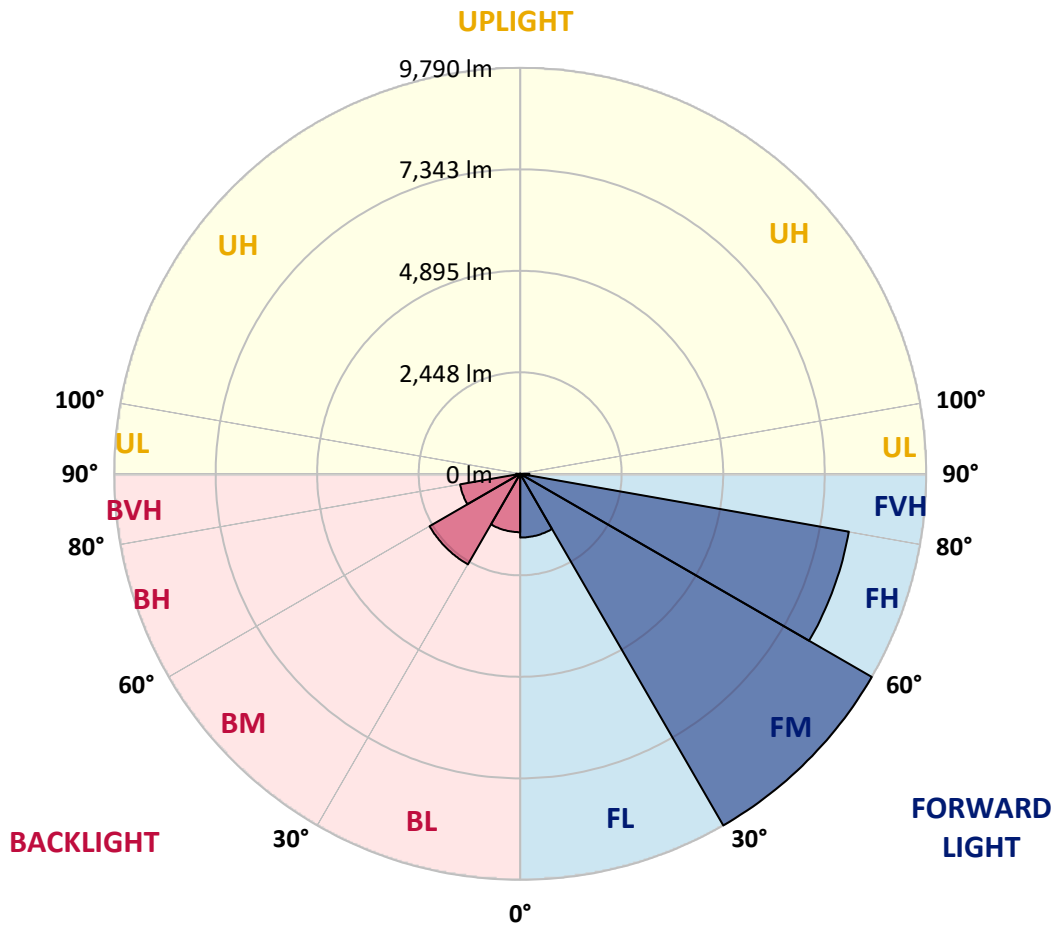
REPORT NUMBER: P952156  
 CATALOG NUMBER: GALN-SB6A-830-U-T3R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1537.3	6.1			
FM (30°-60°)	9790.4	39.0			
FH (60°-80°)	8047.4	32.1			G4/12000
FVH (80°-90°)	222.2	0.9			G2/225
BL (0°-30°)	1407.9	5.6	B3/2500		
BM (30°-60°)	2522.8	10.1	B3/5000		
BH (60°-80°)	1468.5	5.9	B3/2500		G3/2500
BVH (80°-90°)	95.6	0.4			G1/100
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: P952156  
 CATALOG NUMBER: GALN-SB6A-830-U-T3R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3500.6	3500.6	3500.6	3500.6	3500.6	3500.6	3500.6	3500.6	3500.6	3500.6
2.5°	3226.8	3225.6	3242.3	3247.4	3278.2	3300.1	3341.2	3384.9	3441.4	3447.9
5°	3040.5	3040.5	3059.8	3080.3	3120.2	3163.9	3226.8	3302.7	3400.3	3415.7
7.5°	2882.4	2892.7	2909.4	2949.3	2995.5	3058.5	3154.9	3262.8	3391.3	3415.7
10°	2755.2	2766.8	2787.3	2819.5	2888.9	2976.2	3102.2	3241.0	3413.2	3451.7
12.5°	2715.4	2726.9	2738.5	2762.9	2827.2	2930.0	3080.3	3251.3	3465.9	3504.4
15°	2807.9	2822.0	2813.0	2806.6	2840.0	2933.8	3090.6	3288.5	3531.4	3586.7
17.5°	3021.2	3026.4	3005.8	2945.4	2940.3	2990.4	3139.5	3339.9	3613.7	3674.0
20°	3365.6	3356.6	3314.2	3194.7	3126.6	3116.3	3223.0	3417.0	3698.5	3762.7
22.5°	3833.4	3823.1	3738.3	3549.4	3397.8	3297.5	3343.8	3517.3	3793.6	3865.5
25°	4416.8	4402.7	4278.0	4021.0	3785.9	3537.8	3508.3	3649.6	3910.5	3977.3
27.5°	5097.9	5086.4	4951.4	4612.2	4272.9	3866.8	3712.6	3805.1	4032.6	4108.4
30°	5830.4	5863.8	5624.8	5259.8	4830.6	4296.0	3987.6	3996.6	4190.7	4258.8
32.5°	6691.4	6749.2	6461.4	5998.8	5412.8	4762.5	4334.6	4263.9	4420.7	4477.2
35°	7544.7	7610.3	7371.2	6859.8	6185.1	5312.5	4697.0	4571.0	4726.5	4788.2
37.5°	8282.4	8369.7	8246.4	7801.7	7011.4	5975.6	5169.9	4932.1	5103.1	5180.2
40°	8864.5	8998.1	8989.1	8711.6	7985.5	6780.1	5770.0	5378.1	5570.8	5654.4
42.5°	9337.4	9453.1	9553.3	9539.2	9002.0	7693.8	6475.5	5957.6	6104.1	6200.5
45°	9663.8	9787.2	10003.1	10235.7	9979.9	8671.7	7283.8	6645.2	6778.8	6924.0
47.5°	9955.5	10095.6	10375.8	10744.6	10810.1	9653.5	8169.3	7445.8	7567.8	7718.2
50°	9981.2	10102.0	10536.4	11059.4	11400.0	10596.8	9120.2	8344.0	8458.4	8619.0
52.5°	9360.5	9550.7	10308.9	11050.4	11671.1	11385.8	10064.8	9278.3	9406.8	9599.6
55°	7265.9	7544.7	9642.0	10706.0	11574.7	11896.0	10963.0	10271.7	10436.1	10637.9
57.5°	6258.3	6380.4	7653.9	10078.9	11135.2	12028.4	11721.2	11275.3	11540.0	11761.1
60°	5624.8	5726.3	6479.4	9103.5	10556.9	11818.9	12307.2	12210.8	12668.3	12931.8
62.5°	4946.3	5042.7	5727.6	7601.3	9816.7	11470.6	12677.3	13074.4	13824.9	14112.8
65°	4272.9	4355.1	5011.8	6386.9	8876.1	11122.4	12868.8	13821.1	14895.4	15193.5
67.5°	3522.4	3590.5	4211.2	5388.3	7732.3	10645.6	12963.9	14408.3	15827.1	16082.8
70°	2541.9	2594.6	3235.8	4261.3	6296.9	9825.7	12925.4	14824.7	16310.3	16514.6
72.5°	1201.6	1249.1	2002.2	2766.8	4447.7	8229.7	12145.3	14494.4	15819.4	15717.8
75°	641.3	682.4	1150.1	1517.7	2349.1	5641.5	9938.8	12485.9	13283.9	12790.4
77.5°	434.4	466.5	711.9	911.1	1073.0	2678.1	6388.1	8644.7	8317.0	7502.3
80°	344.4	377.8	583.4	616.8	519.2	967.7	2639.6	4001.7	2874.7	2299.0
82.5°	264.7	302.0	490.9	447.2	282.7	397.1	768.5	1265.8	736.4	560.3
85°	161.9	201.8	385.5	285.3	159.4	181.2	260.9	352.1	224.9	187.6
87.5°	82.2	115.7	195.3	104.1	72.0	42.4	69.4	69.4	59.1	51.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952156  
 CATALOG NUMBER: GALN-SB6A-830-U-T3R

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3500.6	0°	3500.6	3500.6	3500.6	3500.6	3500.6	3500.6	3500.6	3500.6	3500.6	3500.6
3482.6	2.5°	3513.4	3539.1	3582.8	3623.9	3656.1	3686.9	3717.7	3734.4	3739.6	3760.1
3501.8	5°	3554.5	3602.1	3686.9	3766.6	3816.7	3847.5	3869.4	3882.2	3884.8	3891.2
3554.5	7.5°	3630.4	3706.2	3824.4	3904.1	3941.3	3938.8	3929.8	3897.7	3884.8	3873.2
3631.6	10°	3737.0	3837.3	3982.5	4037.7	4014.6	3952.9	3873.2	3779.4	3735.7	3693.3
3737.0	12.5°	3869.4	3996.6	4139.2	4136.7	4022.3	3864.2	3679.2	3535.3	3444.0	3378.5
3866.8	15°	4030.0	4176.5	4285.7	4198.4	3947.8	3663.8	3392.6	3205.0	3122.7	3050.8
3997.9	17.5°	4195.8	4352.6	4402.7	4179.1	3760.1	3366.9	3059.8	2912.0	2831.0	2792.5
4139.2	20°	4357.7	4513.2	4472.1	4068.6	3474.9	3030.2	2756.5	2675.5	2658.8	2667.8
4276.8	22.5°	4528.6	4667.4	4486.2	3855.2	3111.2	2685.8	2535.5	2538.0	2575.3	2602.3
4420.7	25°	4703.4	4797.2	4449.0	3546.8	2720.5	2432.7	2395.4	2436.5	2509.8	2562.5
4582.6	27.5°	4871.7	4912.9	4368.0	3165.2	2385.1	2251.5	2257.9	2342.7	2453.2	2526.5
4779.2	30°	5061.9	5015.7	4212.5	2735.9	2152.5	2096.0	2149.9	2248.9	2359.4	2424.9
5027.2	32.5°	5276.5	5104.3	3965.8	2338.8	1988.0	1971.3	2060.0	2124.2	2173.1	2192.3
5356.2	35°	5543.8	5229.0	3649.6	2060.0	1840.2	1880.1	1964.9	1932.8	1913.5	1903.2
5798.3	37.5°	5890.8	5397.3	3279.5	1878.8	1720.7	1814.5	1849.2	1749.0	1673.2	1635.9
6334.2	40°	6308.5	5644.1	2923.6	1738.7	1644.9	1758.0	1697.6	1576.8	1480.4	1427.7
6936.9	42.5°	6772.4	5902.4	2624.1	1633.3	1602.5	1711.7	1585.8	1441.9	1286.4	1269.7
7655.2	45°	7259.4	6168.4	2419.8	1552.4	1581.9	1671.9	1521.5	1288.9	1178.4	1246.5
8376.2	47.5°	7746.5	6412.6	2296.4	1492.0	1571.7	1626.9	1465.0	1204.1	1125.7	1224.7
9148.5	50°	8288.8	6631.0	2241.2	1448.3	1560.1	1608.9	1380.2	1182.3	1070.5	1136.0
9947.8	52.5°	8827.2	6800.7	2200.1	1404.6	1543.4	1594.8	1339.1	1156.6	1003.6	1007.5
10752.3	55°	9364.4	6911.2	2155.1	1346.8	1506.1	1563.9	1335.2	1128.3	953.5	935.5
11603.0	57.5°	9937.5	6974.1	2099.8	1282.5	1441.9	1485.6	1331.3	1106.5	938.1	908.6
12473.0	60°	10521.0	7066.7	2027.9	1204.1	1355.8	1391.7	1322.3	1098.7	929.1	879.0
13292.9	62.5°	11044.0	7098.8	1941.8	1129.6	1245.2	1299.2	1303.1	1092.3	904.7	818.6
13974.0	65°	11387.1	6960.0	1791.4	1044.8	1125.7	1204.1	1265.8	1070.5	861.0	774.9
14310.7	67.5°	11373.0	6564.2	1556.2	935.5	1010.1	1098.7	1211.8	1033.2	808.3	720.9
14056.2	70°	10843.5	5782.9	1258.1	808.3	882.9	985.7	1142.4	977.9	745.3	661.8
12498.7	72.5°	9300.1	4526.1	913.7	659.2	735.1	868.7	1052.5	911.1	681.1	609.1
9237.2	75°	6643.9	2864.4	619.4	506.3	571.9	736.4	940.7	832.7	622.0	611.7
4626.3	77.5°	3393.9	1368.6	409.9	370.1	398.4	580.9	790.3	744.1	631.0	505.0
1315.9	80°	1103.9	505.0	258.3	251.9	264.7	386.8	611.7	610.4	478.1	343.1
318.7	82.5°	352.1	217.2	168.3	161.9	155.5	242.9	426.6	483.2	322.6	217.2
114.4	85°	140.1	129.8	99.0	91.2	65.5	114.4	223.6	321.3	240.3	156.8
29.6	87.5°	51.4	51.4	27.0	19.3	14.1	38.6	60.4	96.4	137.5	81.0
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>
3500.6
3771.7
3901.5
3875.8
3680.5
3363.1
3043.1
2804.0
2664.0
2608.7
2576.6
2544.5
2440.4
2202.6
1913.5
1644.9
1431.6
1286.4
1282.5
1270.9
1184.8
1034.5
948.4
912.4
882.9
818.6
774.9
724.8
669.5
605.3
577.0
449.8
303.3
215.9
160.6
79.7
0.0

F REPORT)