

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: P955368

Luminaire Tested: **GALN-SB8B-830-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8B-830-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

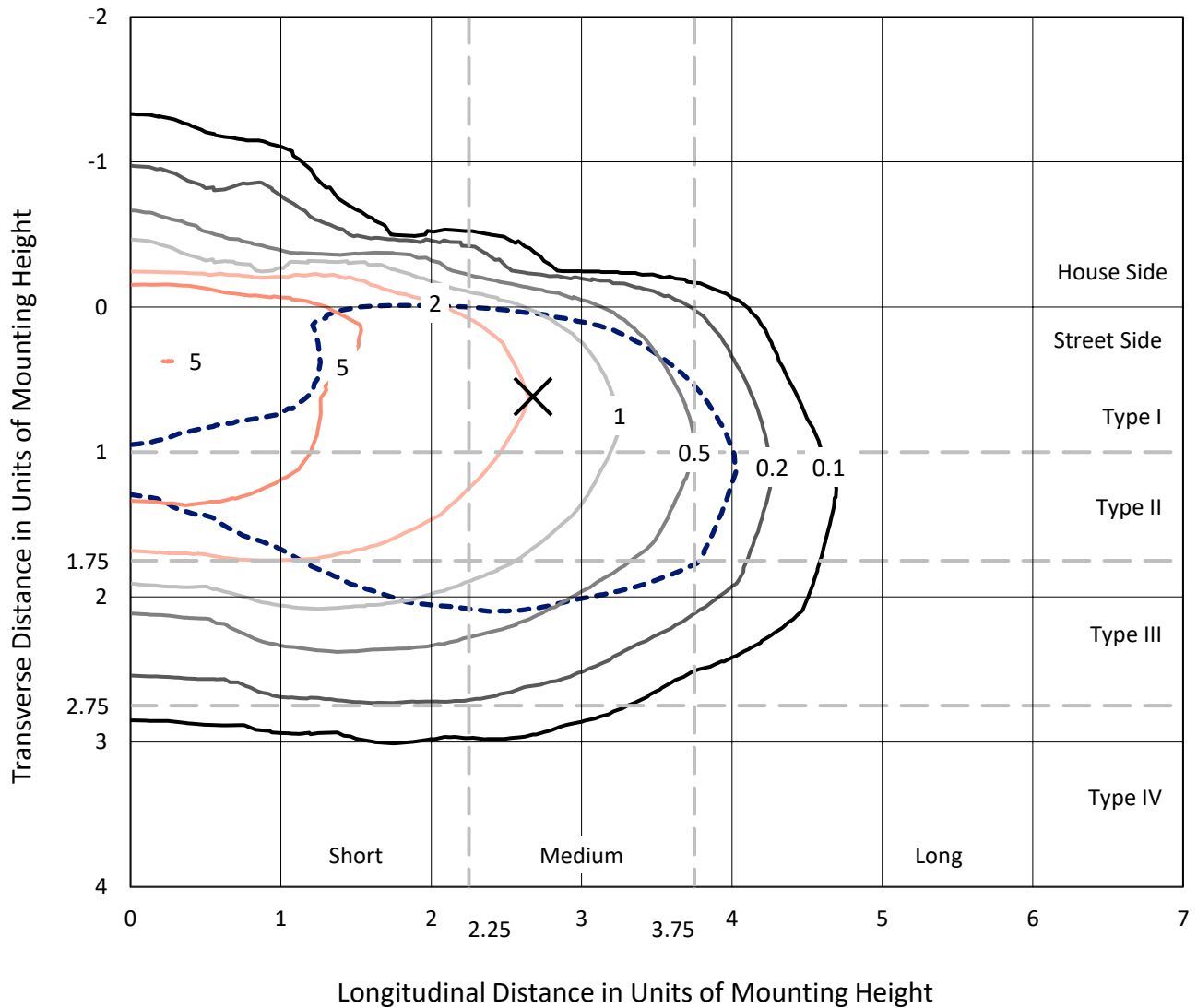
Lumens per Lamp: N/A  
Luminaire Lumens: 34063 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): 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: P955368  
 CATALOG NUMBER: GALN-SB8B-830-U-T3R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

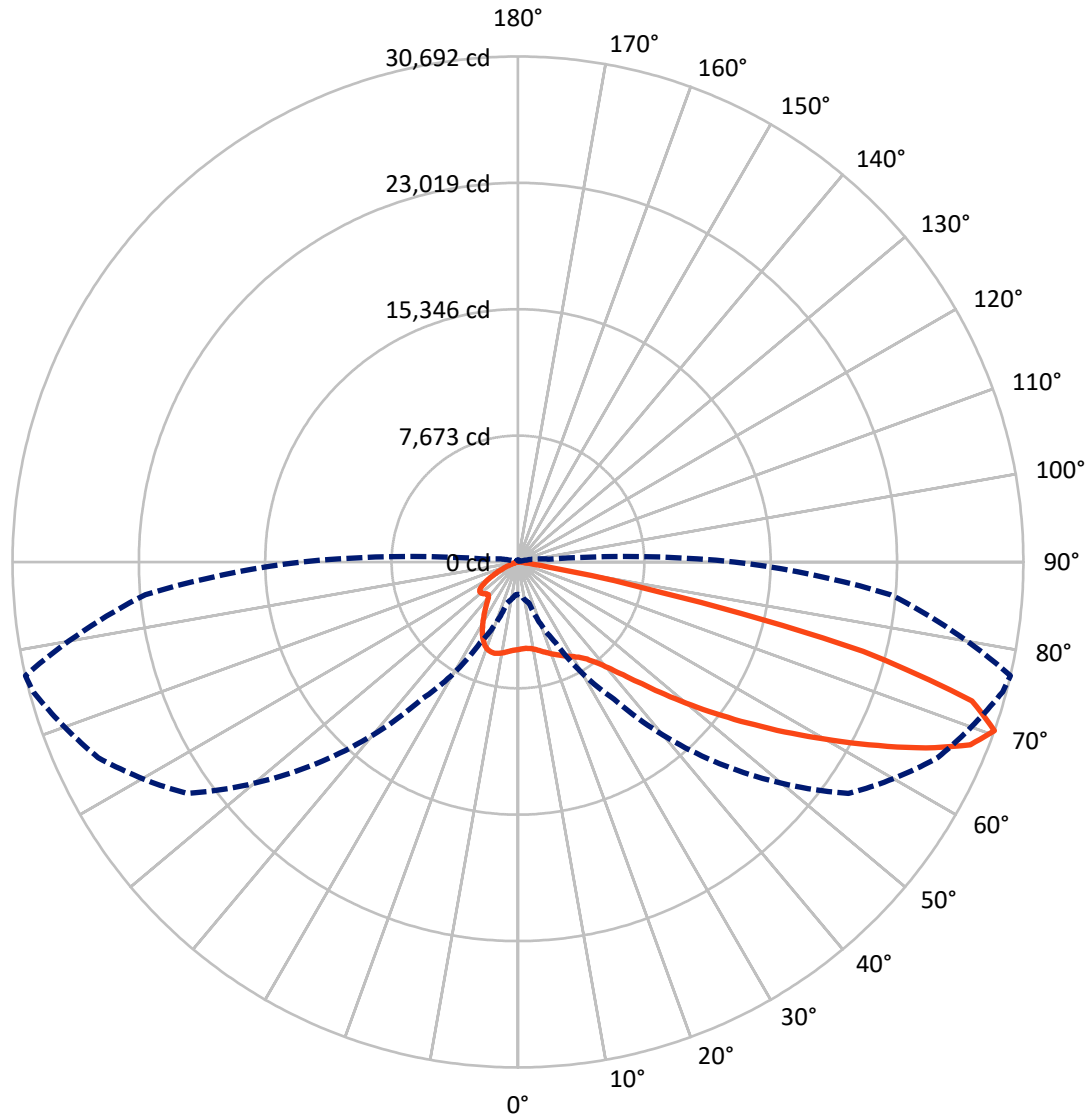
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc  
 Type III - Medium - N/A

REPORT NUMBER: P955368  
CATALOG NUMBER: GALN-SB8B-830-U-T3R-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P955368  
 CATALOG NUMBER: GALN-SB8B-830-U-T3R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3590.7	0.0	3590.7
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	30472.3	0.0	30472.3
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	34063.0	0.0	34063.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.9	1.3
10°-20°	1087.0	3.2
20°-30°	1681.3	4.9
30°-40°	3050.9	9.0
40°-50°	5758.9	16.9
50°-60°	8321.2	24.4
60°-70°	8857.7	26.0
70°-80°	4693.9	13.8
80°-90°	154.1	0.5
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°	34063.0	100.0
0°-180°	34063.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P955368

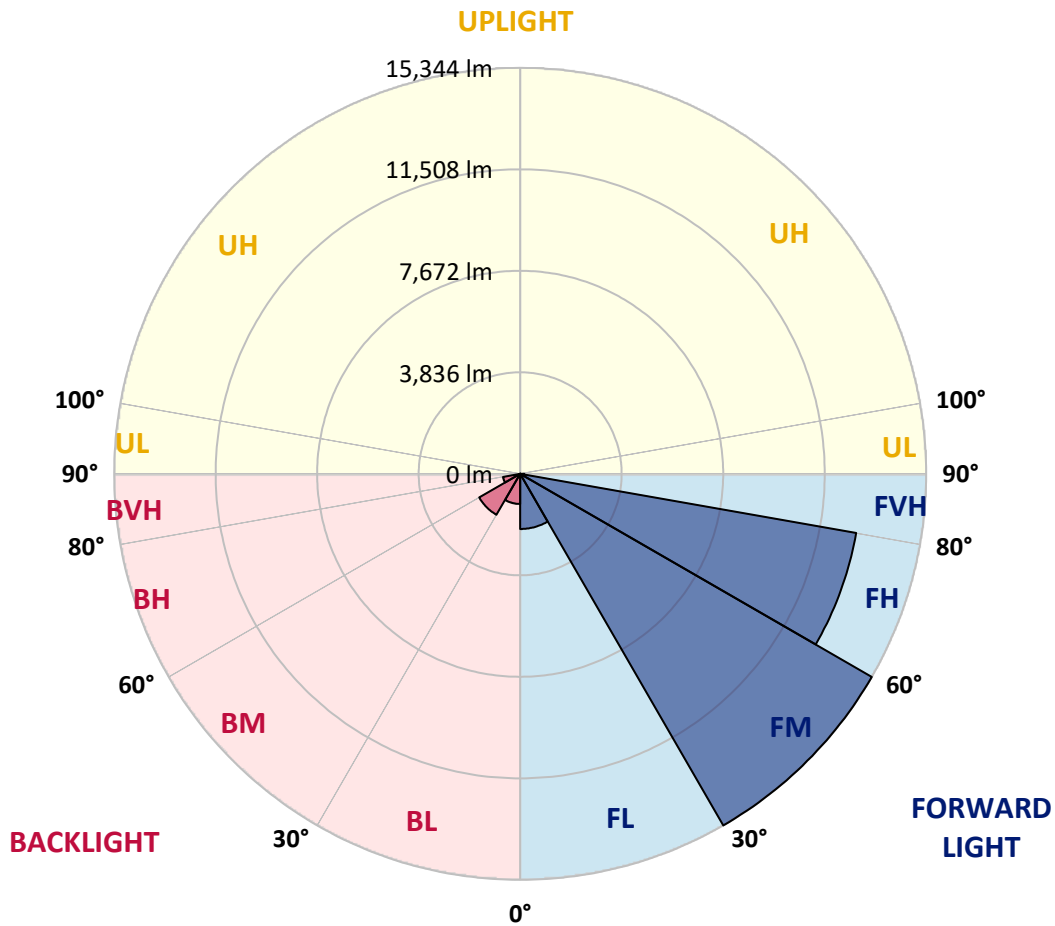
CATALOG NUMBER: GALN-SB8B-830-U-T3R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2085.5	6.1			
FM (30°-60°)	15343.5	45.0			
FH (60°-80°)	12893.3	37.9			G5
FVH (80°-90°)	150.0	0.4			G2/225
BL (0°-30°)	1140.8	3.3	B3/2500		
BM (30°-60°)	1787.5	5.2	B2/2500		
BH (60°-80°)	658.3	1.9	B2/1000		G2/1000
BVH (80°-90°)	4.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Medium



REPORT NUMBER: P955368  
 CATALOG NUMBER: GALN-SB8B-830-U-T3R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	5313.2	5313.2	5313.2	5313.2	5313.2	5313.2	5313.2	5313.2	5313.2	5313.2
2.5°	4988.4	5033.6	5027.1	5057.2	5068.0	5111.0	5154.0	5212.1	5276.6	5274.5
5°	4706.6	4751.8	4762.5	4803.4	4855.0	4921.7	5009.9	5126.1	5246.5	5265.9
7.5°	4373.2	4420.5	4448.5	4530.2	4624.9	4762.5	4906.7	5076.6	5276.6	5304.6
10°	4039.8	4082.8	4119.4	4235.5	4386.1	4590.4	4824.9	5070.1	5339.0	5379.9
12.5°	3833.3	3874.1	3915.0	4016.1	4203.2	4452.8	4771.1	5100.3	5442.3	5500.4
15°	3760.1	3796.7	3829.0	3919.3	4093.5	4377.5	4760.4	5162.6	5573.5	5650.9
17.5°	3770.9	3790.2	3811.7	3880.6	4050.5	4343.1	4779.7	5270.2	5728.4	5797.2
20°	3833.3	3844.0	3846.2	3893.5	4044.1	4338.8	4818.5	5373.4	5874.6	5967.1
22.5°	3912.8	3917.2	3912.8	3945.1	4084.9	4371.0	4870.1	5498.2	6038.1	6124.2
25°	4285.0	4203.2	4100.0	4037.6	4153.8	4433.4	4947.5	5666.0	6216.7	6300.6
27.5°	5440.1	5205.7	4835.7	4420.5	4295.7	4523.8	5055.1	5835.9	6397.4	6472.7
30°	7315.9	7008.3	6380.2	5444.4	4751.8	4713.1	5194.9	6005.9	6588.8	6670.6
32.5°	9195.9	9120.7	8395.7	7100.8	5777.9	5134.7	5427.2	6236.0	6842.6	6907.2
35°	11097.5	10944.8	10351.1	9071.2	7358.9	5993.0	5814.4	6537.2	7176.1	7249.2
37.5°	12553.8	12461.3	12093.5	11039.4	9234.7	7318.0	6477.0	7004.0	7660.1	7741.8
40°	13840.2	13797.1	13672.4	12977.6	11332.0	9051.8	7507.3	7726.7	8331.2	8428.0
42.5°	14851.2	14952.3	15023.3	14829.7	13493.8	11030.8	8892.6	8742.1	9266.9	9365.9
45°	15885.9	15920.3	16206.4	16486.0	15640.6	13100.2	10454.3	9931.6	10430.7	10553.3
47.5°	16550.6	16688.2	17191.6	17684.2	17445.4	15152.3	12132.2	11336.3	11779.4	12009.6
50°	16600.0	16860.3	17553.0	18411.3	18759.7	17105.5	13956.3	12936.7	13407.8	13661.6
52.5°	15776.2	16180.6	17254.0	18510.2	19469.6	18759.7	15842.8	14537.1	15141.6	15472.9
55°	12095.6	12624.8	16128.9	17972.4	19497.6	20013.8	17679.9	16204.2	17073.3	17447.6
57.5°	10538.2	10805.0	12680.7	17038.8	18979.1	20519.3	19340.5	17791.7	19174.9	19639.5
60°	8767.9	9118.5	10635.0	15511.6	18275.7	20568.8	20807.6	19839.6	21452.9	21975.6
62.5°	5958.5	6339.3	7847.2	12887.2	17314.2	20545.1	22010.0	21947.7	23984.7	24546.2
65°	3691.3	3930.1	4923.9	10523.2	15969.8	20571.0	23268.4	24507.5	26656.4	27226.5
67.5°	2916.9	3026.6	3545.0	8079.5	13653.0	19990.2	24524.7	26914.5	29171.0	29622.8
70°	1959.7	2026.3	2579.2	5416.5	10157.5	17309.9	24501.0	28123.5	30466.0	30691.9
72.5°	1032.5	1084.2	1507.9	2508.2	6134.9	12304.3	20652.7	26677.9	29177.5	28837.6
75°	516.3	602.3	1015.3	1273.5	2620.0	6862.0	12824.8	21033.4	22965.1	21648.7
77.5°	391.5	473.2	838.9	838.9	912.1	2310.3	5431.5	11471.8	10581.3	8810.9
80°	249.5	322.7	733.5	634.6	380.7	587.2	1415.4	3213.7	2247.9	1710.1
82.5°	146.3	210.8	610.9	419.5	213.0	217.3	400.1	684.0	582.9	453.9
85°	58.1	137.7	419.5	165.6	83.9	53.8	120.5	146.3	120.5	90.3
87.5°	0.0	32.3	73.1	0.0	6.5	4.3	8.6	10.8	10.8	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955368  
 CATALOG NUMBER: GALN-SB8B-830-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5313.2	0°	5313.2	5313.2	5313.2	5313.2	5313.2	5313.2	5313.2	5313.2	5313.2	5313.2
5317.5	2.5°	5336.9	5341.2	5354.1	5356.2	5326.1	5287.4	5272.3	5265.9	5240.1	5237.9
5351.9	5°	5401.4	5420.8	5401.4	5345.5	5212.1	5025.0	4883.0	4766.8	4661.4	4629.2
5470.2	7.5°	5530.5	5549.8	5491.8	5272.3	4936.8	4564.6	4229.1	3992.4	3779.5	3699.9
5614.4	10°	5715.5	5741.3	5558.4	5115.3	4521.6	3923.6	3355.7	2955.6	2643.7	2516.8
5810.1	12.5°	5947.8	5958.5	5595.0	4876.5	3981.7	3127.7	2323.2	1895.1	1617.6	1514.4
6046.7	15°	6203.8	6188.7	5599.3	4551.7	3246.0	2211.3	1516.5	1245.5	1133.6	1099.2
6283.4	17.5°	6472.7	6410.3	5513.3	4082.8	2439.3	1512.2	1125.0	1060.5	1041.1	1032.5
6517.8	20°	6737.2	6597.4	5356.2	3469.7	1751.0	1129.3	1021.8	1002.4	991.7	987.4
6754.4	22.5°	6978.2	6739.4	5087.3	2757.7	1271.3	998.1	965.8	948.6	929.3	920.7
6984.6	25°	7212.6	6821.1	4708.8	2093.0	1017.5	933.6	907.8	875.5	849.7	838.9
7232.0	27.5°	7440.6	6872.8	4235.5	1548.8	907.8	873.3	826.0	780.8	761.5	757.2
7496.6	30°	7683.7	6890.0	3697.7	1155.1	841.1	798.1	729.2	677.6	666.8	669.0
7853.7	32.5°	7980.6	6915.8	3155.7	946.5	785.2	707.7	626.0	572.2	563.6	572.2
8374.2	35°	8335.5	6967.4	2632.9	871.2	735.7	615.2	527.0	481.8	473.2	479.7
9041.1	37.5°	8817.4	7051.3	2144.6	856.1	694.8	537.8	443.1	406.6	406.6	408.7
9858.5	40°	9458.4	7275.0	1708.0	845.4	673.3	479.7	374.3	359.2	365.7	370.0
10899.6	42.5°	10239.2	7750.4	1413.3	832.5	649.6	453.9	339.9	333.4	344.2	348.5
12147.3	45°	11114.7	8352.7	1310.0	811.0	628.1	471.1	324.8	316.2	329.1	331.3
13545.5	47.5°	12020.3	8942.1	1297.1	787.3	606.6	496.9	320.5	301.2	316.2	318.4
15038.3	50°	12936.7	9327.2	1310.0	750.7	572.2	496.9	322.7	286.1	299.0	305.5
16587.1	52.5°	13859.5	9503.6	1301.4	671.1	512.0	466.8	322.7	273.2	286.1	290.4
18260.7	55°	14754.4	9469.1	1170.2	552.8	434.5	413.0	314.1	262.4	271.0	273.2
19841.7	57.5°	15462.1	8989.4	927.1	430.2	352.8	344.2	286.1	249.5	256.0	253.8
21291.6	60°	15832.1	7935.4	662.5	331.3	277.5	271.0	251.7	232.3	236.6	225.9
22519.8	62.5°	15836.4	6541.5	443.1	262.4	221.6	215.1	215.1	208.7	204.4	182.8
23470.6	65°	15498.7	4994.9	294.7	208.7	178.5	167.8	180.7	178.5	163.5	133.4
23761.0	67.5°	14732.9	3274.0	223.7	163.5	137.7	131.2	144.1	150.6	139.8	111.9
22702.7	70°	13158.3	1905.9	185.0	126.9	103.3	96.8	116.2	129.1	116.2	90.3
19405.1	72.5°	10929.7	1028.2	150.6	94.6	71.0	64.5	92.5	105.4	92.5	66.7
12450.6	75°	7092.2	550.7	116.2	62.4	36.6	40.9	68.8	77.4	64.5	43.0
3654.7	77.5°	2381.3	243.1	73.1	30.1	17.2	17.2	40.9	47.3	30.1	15.1
664.7	80°	531.3	101.1	30.1	12.9	6.5	6.5	8.6	8.6	4.3	0.0
204.4	82.5°	174.2	40.9	12.9	4.3	0.0	0.0	0.0	0.0	0.0	0.0
51.6	85°	66.7	15.1	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.2	87.5°	25.8	2.2	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>
5313.2
5242.2
4609.8
3667.6
2463.0
1482.1
1099.2
1030.4
983.1
918.5
834.6
752.9
669.0
570.0
477.5
406.6
370.0
348.5
333.4
320.5
307.6
290.4
273.2
253.8
223.7
176.4
129.1
109.7
86.0
64.5
38.7
12.9
0.0
0.0
0.0
0.0
0.0

F REPORT)