

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: P955023

Luminaire Tested: **GALN-SB8A-835-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955023  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB8A-835-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

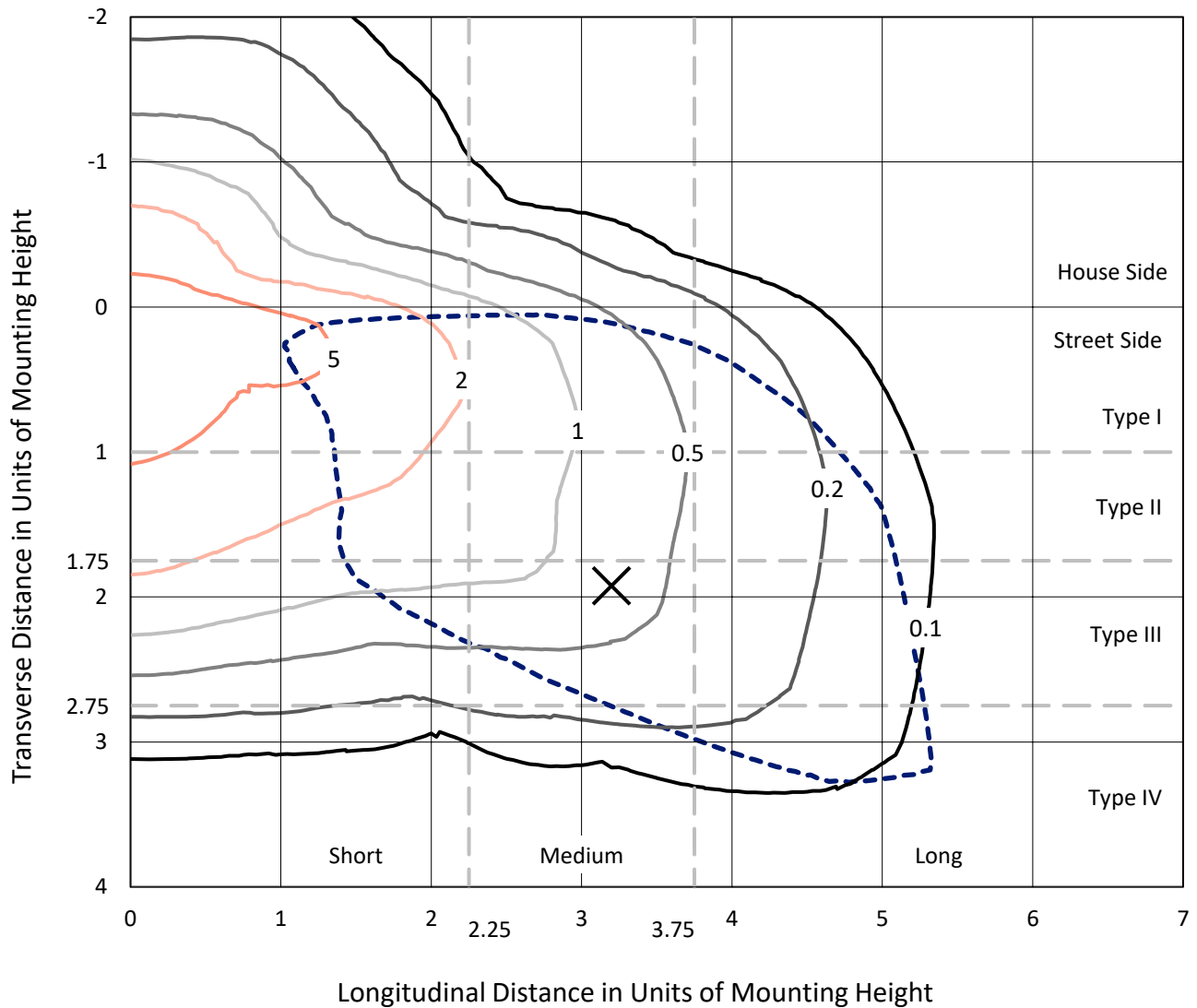
Lumens per Lamp: N/A  
Luminaire Lumens: 32882 lumens  
Efficiency: N/A  
Efficacy: 144.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): 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: P955023  
 CATALOG NUMBER: GALN-SB8A-835-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

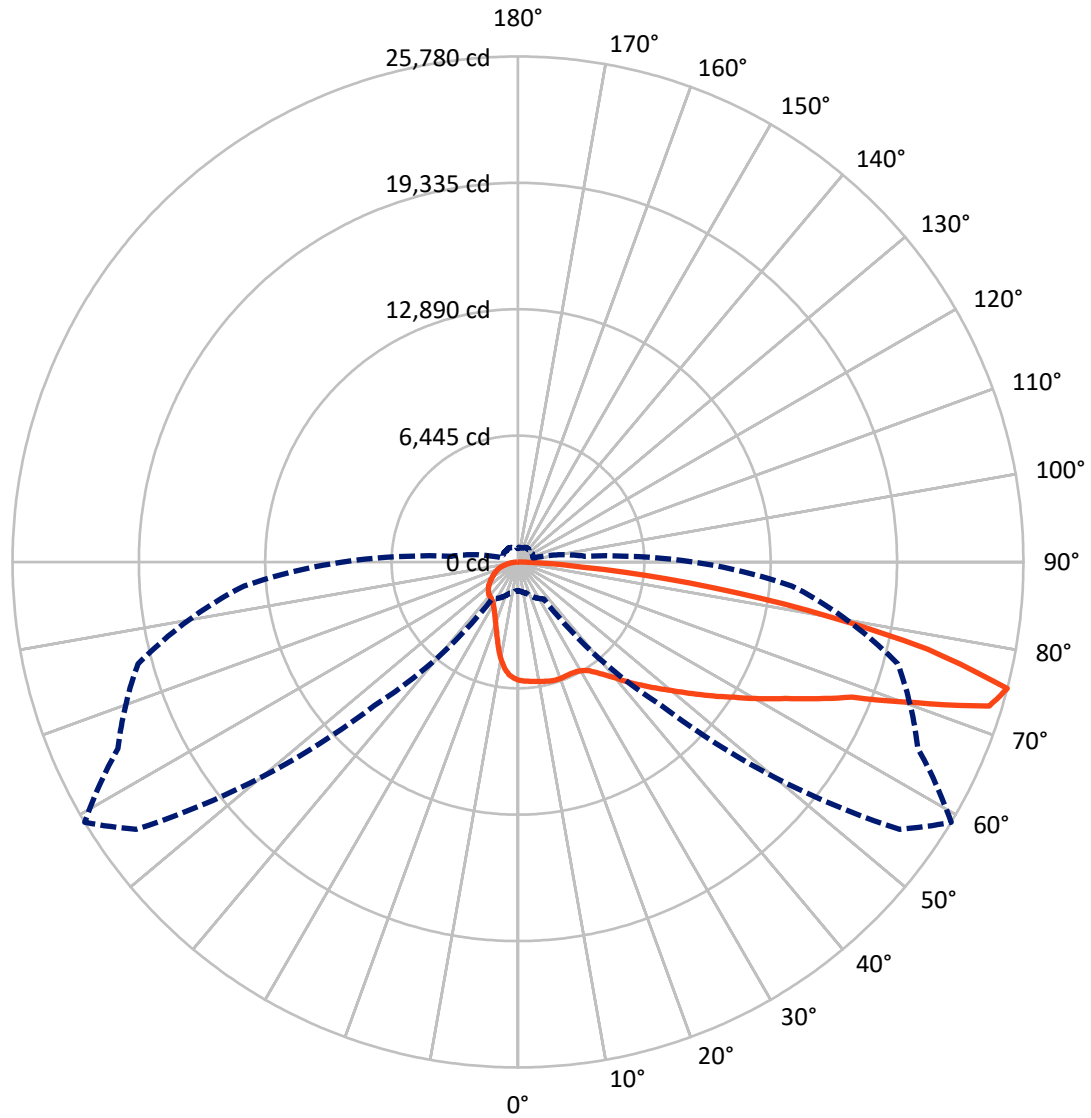
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P955023  
CATALOG NUMBER: GALN-SB8A-835-U-SL3

### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P955023  
 CATALOG NUMBER: GALN-SB8A-835-U-SL3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6167.2	0.0	6167.2
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	26714.8	0.0	26714.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	32882.0	0.0	32882.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	541.2	1.6
10°-20°	1383.3	4.2
20°-30°	2101.1	6.4
30°-40°	3123.2	9.5
40°-50°	4644.7	14.1
50°-60°	6304.7	19.2
60°-70°	7697.0	23.4
70°-80°	6040.5	18.4
80°-90°	1046.4	3.2
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°	32882.0	100.0
0°-180°	32882.0	100.0



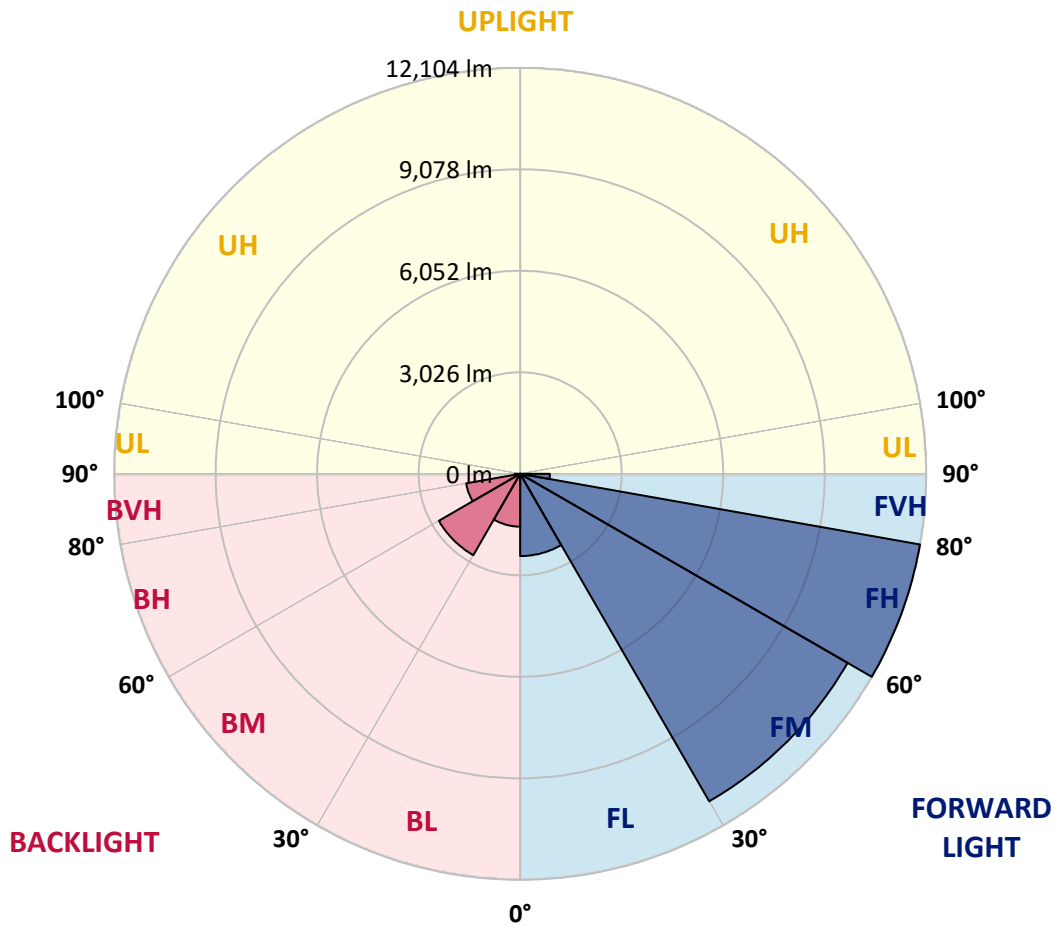
REPORT NUMBER: P955023  
 CATALOG NUMBER: GALN-SB8A-835-U-SL3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2451.7	7.5			
FM (30°-60°)	11273.3	34.3			
FH (60°-80°)	12103.5	36.8			G5
FVH (80°-90°)	886.2	2.7			G5
BL (0°-30°)	1573.8	4.8	B3/2500		
BM (30°-60°)	2799.3	8.5	B3/5000		
BH (60°-80°)	1633.9	5.0	B3/2500		G3/2500
BVH (80°-90°)	160.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type IV Medium



REPORT NUMBER: P955023

CATALOG NUMBER: GALN-SB8A-835-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	6035.4	6035.4	6035.4	6035.4	6035.4	6035.4	6035.4	6035.4	6035.4	6035.4
2.5°	6086.7	6065.5	6086.7	6077.9	6074.3	6067.3	6069.0	6081.4	6074.3	6083.2
5°	6046.0	6033.6	6054.9	6049.6	6072.6	6076.1	6099.1	6113.2	6122.1	6123.9
7.5°	5978.8	5966.4	5996.5	6021.3	6070.8	6084.9	6132.7	6155.7	6168.1	6189.3
10°	5732.9	5727.6	5801.9	5895.7	6012.4	6084.9	6157.5	6196.4	6215.8	6272.4
12.5°	5297.8	5304.9	5402.2	5582.6	5816.1	6049.6	6185.8	6242.4	6272.4	6343.2
15°	4882.1	4880.3	4986.5	5179.3	5506.5	5893.9	6199.9	6297.2	6348.5	6452.9
17.5°	4641.5	4634.5	4708.8	4855.6	5159.8	5655.1	6164.5	6327.3	6437.0	6567.9
20°	4597.3	4583.2	4622.1	4694.6	4910.4	5393.3	6072.6	6327.3	6507.7	6677.5
22.5°	4758.3	4735.3	4719.4	4710.5	4806.0	5177.5	5968.2	6306.1	6612.1	6835.0
25°	5082.0	5046.6	4965.2	4885.6	4857.3	5080.2	5876.2	6300.7	6767.7	7047.2
27.5°	5605.6	5561.4	5396.9	5205.8	5034.2	5129.8	5835.5	6332.6	6939.3	7271.9
30°	6254.8	6207.0	6000.0	5706.4	5398.6	5313.7	5886.8	6426.3	7158.7	7570.8
32.5°	6836.7	6783.7	6606.8	6307.8	5892.1	5632.1	6049.6	6605.0	7503.6	7986.5
35°	7353.2	7291.3	7132.1	6856.2	6497.1	6079.6	6343.2	6921.6	7993.6	8662.2
37.5°	7859.1	7786.6	7613.3	7321.4	7070.2	6675.8	6748.3	7328.5	8644.5	9483.0
40°	8425.2	8320.8	8110.3	7822.0	7577.9	7374.5	7280.7	7827.3	9306.1	10399.2
42.5°	8973.5	8874.5	8623.3	8377.4	8071.4	8013.0	7898.0	8411.0	10029.5	11405.7
45°	9564.3	9445.8	9141.6	8830.2	8637.4	8437.6	8495.9	8994.8	10738.9	12431.7
47.5°	10118.0	9985.3	9626.2	9279.5	9173.4	8794.9	9044.3	9636.9	11476.5	13471.8
50°	10416.9	10286.0	9987.1	9674.0	9590.9	9235.3	9638.6	10342.6	12249.5	14508.4
52.5°	10666.3	10524.8	10133.9	9960.6	9935.8	9714.7	10370.9	11149.2	13022.5	15424.6
55°	10931.7	10774.2	10275.4	10119.8	10233.0	10252.4	11239.5	12063.8	13839.7	16317.9
57.5°	11237.7	11037.8	10411.6	10254.2	10523.1	10882.1	12237.1	13011.9	14642.8	17145.8
60°	11526.0	11324.4	10673.4	10468.2	10836.2	11612.7	13381.6	14159.9	15552.0	17883.4
62.5°	11582.6	11416.4	10882.1	10880.4	11260.7	12465.3	14736.5	15318.5	16346.2	18612.2
65°	10602.7	10498.3	10181.7	10864.5	11869.2	13692.9	16245.4	16800.8	17356.2	19248.9
67.5°	8069.6	8083.8	8060.8	9378.6	11377.4	15456.5	18430.0	18387.5	18603.3	19963.6
70°	3689.9	3773.0	4314.3	6474.1	9115.0	15659.9	22042.0	21491.9	20168.8	20888.7
72.5°	1993.5	2057.2	2278.3	3136.2	5480.0	13922.9	24741.3	25132.2	22250.7	21511.3
75°	1462.9	1498.2	1652.1	1993.5	2301.3	10347.9	23773.7	25779.7	22510.8	20059.1
77.5°	1094.9	1110.9	1236.4	1579.6	1178.1	5455.2	18996.0	21350.4	19270.2	16480.7
80°	794.2	811.9	905.7	1185.1	826.1	1995.3	13043.7	14985.9	13197.6	10505.4
82.5°	548.4	555.4	596.1	806.6	576.7	774.8	7401.0	8787.8	7367.4	3686.3
85°	330.8	339.6	357.3	470.5	327.2	367.9	3194.6	3304.3	2202.3	880.9
87.5°	136.2	145.0	159.2	198.1	129.1	102.6	527.1	661.6	412.1	258.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955023  
 CATALOG NUMBER: GALN-SB8A-835-U-SL3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6035.4	0°	6035.4	6035.4	6035.4	6035.4	6035.4	6035.4	6035.4	6035.4	6035.4	6035.4
6053.1	2.5°	6044.3	6031.9	5998.3	5952.3	5909.8	5856.8	5833.8	5814.3	5796.6	5763.0
6100.9	5°	6081.4	6047.8	5957.6	5840.8	5708.2	5563.1	5421.6	5324.3	5241.2	5179.3
6155.7	7.5°	6138.0	6074.3	5909.8	5671.0	5366.8	5055.5	4774.2	4574.3	4424.0	4369.1
6233.5	10°	6196.4	6120.3	5833.8	5412.8	4887.4	4408.0	4034.8	3829.6	3709.3	3670.4
6325.5	12.5°	6265.4	6153.9	5715.3	5053.7	4351.4	3826.1	3500.6	3380.3	3318.4	3297.2
6438.7	15°	6366.2	6182.2	5536.6	4604.4	3840.2	3401.6	3191.1	3107.9	3076.1	3074.3
6555.5	17.5°	6442.3	6187.5	5258.9	4123.3	3447.5	3145.1	2971.7	2939.9	2961.1	2992.9
6670.4	20°	6527.2	6139.8	4894.5	3684.6	3171.6	2920.4	2847.9	2869.1	2920.4	2966.4
6822.6	22.5°	6587.3	6053.1	4454.0	3343.2	2932.8	2791.3	2787.8	2832.0	2860.3	2883.3
7001.2	25°	6640.4	5906.3	3987.1	3056.6	2736.5	2713.5	2752.4	2738.2	2718.8	2738.2
7179.9	27.5°	6679.3	5674.6	3569.6	2805.4	2598.5	2660.4	2637.4	2605.6	2603.8	2614.4
7390.4	30°	6666.9	5365.0	3226.4	2566.6	2501.2	2561.3	2506.5	2501.2	2495.9	2501.2
7707.0	32.5°	6666.9	5013.0	2962.9	2402.1	2439.3	2416.3	2411.0	2398.6	2377.4	2375.6
8136.8	35°	6704.1	4661.0	2736.5	2313.7	2388.0	2333.2	2336.7	2306.6	2262.4	2241.2
8706.4	37.5°	6780.1	4378.0	2511.8	2271.2	2297.8	2296.0	2281.9	2230.6	2152.7	2085.5
9417.5	40°	6964.1	4294.8	2357.9	2251.8	2255.3	2276.5	2239.4	2140.3	1963.5	1853.8
10139.2	42.5°	7252.4	4434.6	2324.3	2204.0	2227.0	2248.2	2175.7	1945.8	1820.2	1754.7
10896.3	45°	7618.6	4678.7	2396.8	2135.0	2159.8	2196.9	1981.1	1871.5	1814.9	1816.6
11646.3	47.5°	8082.0	4935.2	2531.3	2074.9	2062.5	2083.7	1852.0	1784.8	1707.0	1726.4
12366.2	50°	8618.0	5195.2	2658.6	1993.5	1954.6	1885.6	1768.9	1705.2	1606.1	1560.2
13061.4	52.5°	9198.2	5446.4	2709.9	1894.5	1837.9	1758.3	1712.3	1634.4	1514.2	1438.1
13717.7	55°	9748.3	5674.6	2653.3	1776.0	1721.1	1659.2	1652.1	1604.4	1475.2	1369.1
14301.4	57.5°	10268.3	5865.6	2511.8	1655.7	1602.6	1565.5	1613.2	1590.2	1427.5	1291.3
14853.3	60°	10708.8	5996.5	2306.6	1533.6	1496.5	1477.0	1549.5	1542.5	1360.3	1208.1
15348.6	62.5°	11059.0	6047.8	2080.2	1416.9	1408.0	1372.7	1461.1	1461.1	1275.4	1126.8
15783.7	65°	11333.2	5998.3	1850.2	1301.9	1319.6	1266.5	1353.2	1342.6	1185.1	1054.3
16284.3	67.5°	11575.5	5835.5	1595.5	1188.7	1229.4	1162.2	1240.0	1215.2	1086.1	981.7
16717.7	70°	11683.5	5457.0	1305.4	1075.5	1125.0	1059.6	1126.8	1080.8	974.7	903.9
16241.9	72.5°	10816.7	4535.4	1027.7	957.0	999.4	946.4	1004.7	951.7	854.4	822.5
14025.4	75°	8948.8	3403.3	790.7	827.8	859.7	819.0	857.9	819.0	730.5	753.5
10360.3	77.5°	6498.9	2297.8	605.0	691.6	705.8	684.6	718.2	673.9	594.3	589.0
5163.4	80°	3231.7	1346.1	474.1	546.6	541.3	527.1	566.0	544.8	477.6	505.9
1393.9	82.5°	935.7	576.7	344.9	383.8	373.2	376.8	405.1	415.7	622.6	617.3
433.4	85°	293.6	226.4	207.0	214.0	203.4	208.7	238.8	474.1	438.7	256.5
134.4	87.5°	76.1	77.8	51.3	54.8	56.6	67.2	76.1	288.3	138.0	90.2
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>
6035.4
5747.1
5128.0
4273.6
3610.3
3302.5
3081.4
3005.3
2982.3
2895.7
2750.6
2632.1
2520.7
2398.6
2262.4
2108.5
1867.9
1754.7
1825.5
1776.0
1572.5
1436.3
1369.1
1284.2
1202.8
1121.5
1047.2
974.7
889.7
796.0
<b>688.1</b>
562.5
500.6
631.5
277.7
95.5
0.0

F REPORT)