

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: P952755

Luminaire Tested: **GALN-SB6C-735-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952755  
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-SB6C-735-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

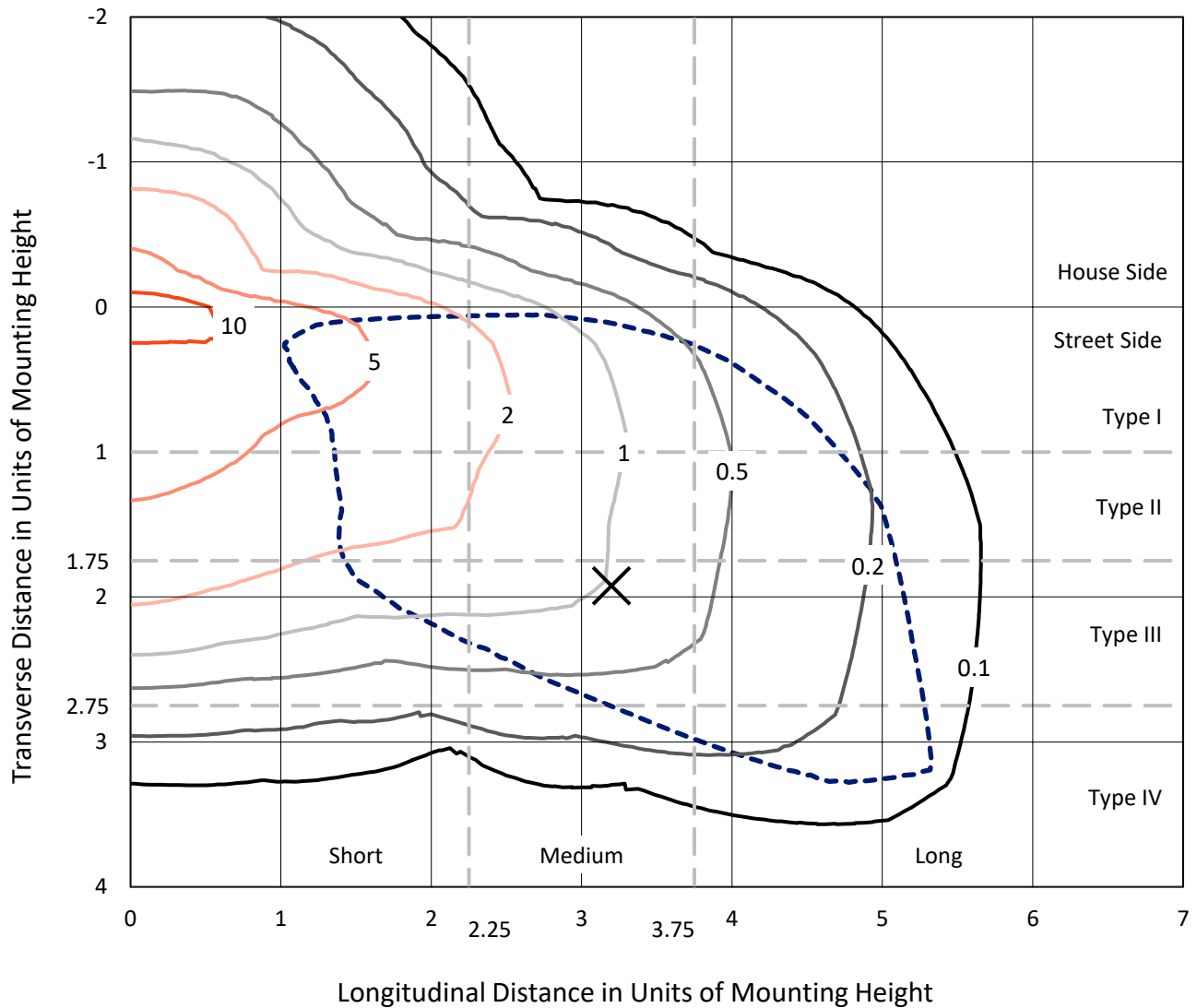
Lumens per Lamp: N/A  
Luminaire Lumens: 44385 lumens  
Efficiency: N/A  
Efficacy: 147.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P952755  
 CATALOG NUMBER: GALN-SB6C-735-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

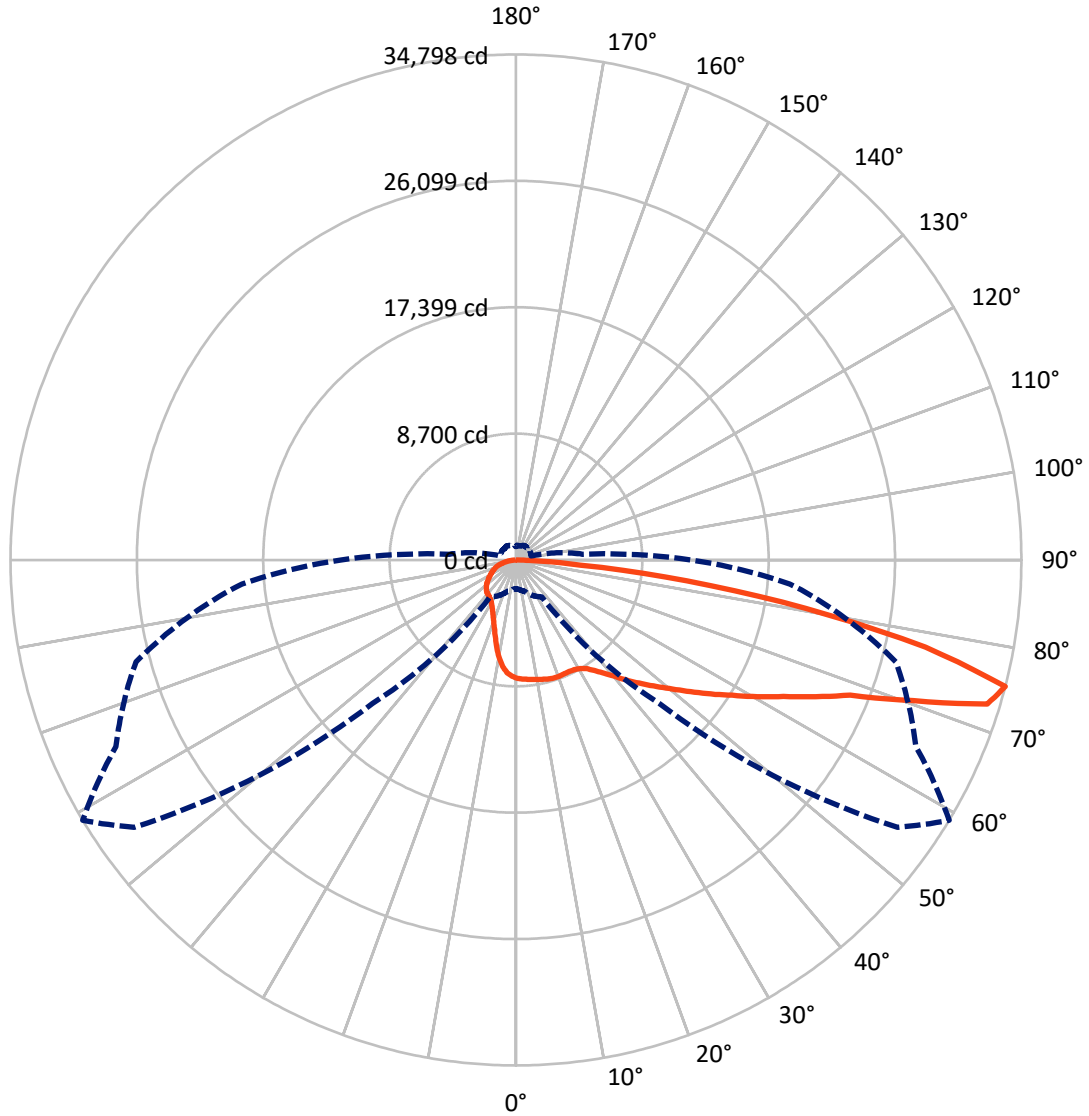
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P952755  
CATALOG NUMBER: GALN-SB6C-735-U-SL3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P952755  
 CATALOG NUMBER: GALN-SB6C-735-U-SL3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8324.7	0.0	8324.7
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	36060.3	0.0	36060.3
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	44385.0	0.0	44385.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	730.5	1.6
10°-20°	1867.2	4.2
20°-30°	2836.1	6.4
30°-40°	4215.8	9.5
40°-50°	6269.6	14.1
50°-60°	8510.2	19.2
60°-70°	10389.6	23.4
70°-80°	8153.6	18.4
80°-90°	1412.4	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°	44385.0	100.0
0°-180°	44385.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P952755

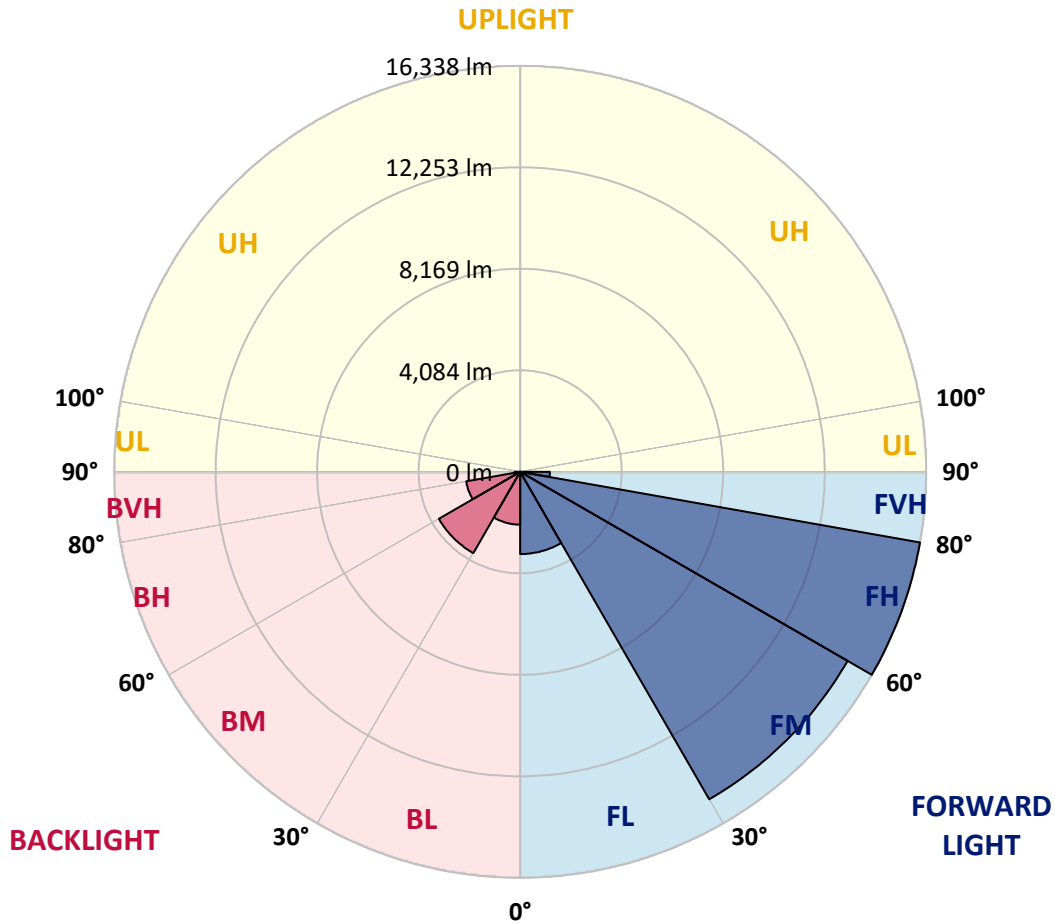
CATALOG NUMBER: GALN-SB6C-735-U-SL3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3309.4	7.5			
FM (30°-60°)	15217.0	34.3			
FH (60°-80°)	16337.7	36.8			G5
FVH (80°-90°)	1196.2	2.7			G5
BL (0°-30°)	2124.4	4.8	B3/2500		
BM (30°-60°)	3778.6	8.5	B3/5000		
BH (60°-80°)	2205.5	5.0	B3/2500		G3/2500
BVH (80°-90°)	216.2	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: P952755  
 CATALOG NUMBER: GALN-SB6C-735-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	8146.8	8146.8	8146.8	8146.8	8146.8	8146.8	8146.8	8146.8	8146.8	8146.8
2.5°	8216.0	8187.4	8216.0	8204.1	8199.3	8189.7	8192.1	8208.8	8199.3	8211.2
5°	8161.1	8144.4	8173.0	8165.9	8196.9	8201.7	8232.7	8251.8	8263.8	8266.2
7.5°	8070.4	8053.6	8094.2	8127.7	8194.5	8213.6	8278.1	8309.1	8325.8	8354.5
10°	7738.5	7731.3	7831.6	7958.1	8115.7	8213.6	8311.5	8364.0	8390.3	8466.7
12.5°	7151.1	7160.7	7292.0	7535.5	7850.7	8165.9	8349.7	8426.1	8466.7	8562.2
15°	6590.0	6587.6	6730.9	6991.1	7432.9	7955.8	8368.8	8500.1	8569.4	8710.3
17.5°	6265.3	6255.7	6356.0	6554.2	6964.9	7633.4	8321.1	8540.7	8688.8	8865.5
20°	6205.6	6186.5	6239.0	6336.9	6628.2	7280.0	8196.9	8540.7	8784.3	9013.5
22.5°	6422.9	6391.8	6370.3	6358.4	6487.3	6988.7	8056.0	8512.1	8925.2	9226.0
25°	6859.8	6812.1	6702.2	6594.8	6556.6	6857.4	7931.9	8504.9	9135.3	9512.5
27.5°	7566.6	7506.9	7284.8	7026.9	6795.3	6924.3	7877.0	8547.9	9366.9	9815.8
30°	8442.8	8378.4	8099.0	7702.7	7287.2	7172.6	7946.2	8674.4	9662.9	10219.3
32.5°	9228.4	9156.8	8918.0	8514.5	7953.4	7602.4	8165.9	8915.6	10128.5	10780.4
35°	9925.6	9842.0	9627.1	9254.7	8770.0	8206.5	8562.2	9343.0	10789.9	11692.5
37.5°	10608.5	10510.6	10276.6	9882.6	9543.6	9011.1	9109.0	9892.2	11668.6	12800.4
40°	11372.5	11231.7	10947.5	10558.3	10228.8	9954.2	9827.7	10565.5	12561.6	14037.2
42.5°	12112.7	11979.0	11639.9	11308.1	10895.0	10816.2	10661.0	11353.4	13538.2	15395.8
45°	12910.2	12750.2	12339.5	11919.3	11659.0	11389.2	11468.0	12141.4	14495.6	16780.6
47.5°	13657.5	13478.5	12993.8	12525.8	12382.5	11871.6	12208.2	13008.1	15491.3	18184.6
50°	14061.1	13884.4	13480.8	13058.2	12946.0	12466.1	13010.5	13960.8	16534.7	19583.8
52.5°	14397.7	14206.7	13679.0	13445.0	13411.6	13113.1	13999.0	15049.6	17578.1	20820.6
55°	14755.9	14543.4	13870.0	13659.9	13812.7	13839.0	15171.3	16284.0	18681.2	22026.4
57.5°	15168.9	14899.1	14053.9	13841.4	14204.3	14689.0	16518.0	17563.8	19765.2	23143.8
60°	15558.1	15285.9	14407.3	14130.3	14626.9	15675.1	18062.8	19113.4	20992.5	24139.5
62.5°	15634.5	15410.1	14689.0	14686.6	15200.0	16826.0	19891.8	20677.3	22064.6	25123.2
65°	14311.8	14170.9	13743.5	14665.1	16021.3	18483.0	21928.5	22678.2	23427.9	25982.7
67.5°	10892.6	10911.7	10880.7	12659.5	15357.6	20863.6	24877.2	24819.9	25111.2	26947.4
70°	4980.7	5092.9	5823.6	8738.9	12303.7	21138.1	29752.9	29010.3	27224.3	28196.1
72.5°	2690.9	2776.9	3075.3	4233.4	7397.0	18793.4	33396.5	33924.2	30034.6	29036.6
75°	1974.6	2022.4	2230.1	2690.9	3106.4	13967.9	32090.4	34798.1	30385.6	27076.3
77.5°	1478.0	1499.5	1669.0	2132.2	1590.2	7363.6	25641.3	28819.3	26011.4	22246.0
80°	1072.1	1095.9	1222.5	1599.7	1115.0	2693.3	17606.8	20228.4	17814.5	14180.4
82.5°	740.2	749.7	804.6	1088.8	778.4	1045.8	9990.1	11862.0	9944.7	4975.9
85°	446.5	458.4	482.3	635.1	441.7	496.6	4312.2	4460.2	2972.7	1189.1
87.5°	183.9	195.8	214.9	267.4	174.3	138.5	711.5	893.0	556.3	348.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952755  
 CATALOG NUMBER: GALN-SB6C-735-U-SL3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8146.8	0°	8146.8	8146.8	8146.8	8146.8	8146.8	8146.8	8146.8	8146.8	8146.8	8146.8
8170.6	2.5°	8158.7	8142.0	8096.6	8034.5	7977.2	7905.6	7874.6	7848.3	7824.4	7779.1
8235.1	5°	8208.8	8163.5	8041.7	7884.1	7705.0	7509.3	7318.2	7186.9	7074.7	6991.1
8309.1	7.5°	8285.3	8199.3	7977.2	7654.9	7244.2	6824.0	6444.4	6174.5	5971.6	5897.6
8414.2	10°	8364.0	8261.4	7874.6	7306.3	6597.2	5950.1	5446.3	5169.3	5007.0	4954.4
8538.3	12.5°	8457.2	8306.7	7714.6	6821.6	5873.7	5164.6	4725.2	4562.9	4479.3	4450.6
8691.2	15°	8593.3	8344.9	7473.4	6215.1	5183.7	4591.5	4307.4	4195.2	4152.2	4149.8
8848.7	17.5°	8695.9	8352.1	7098.6	5565.7	4653.6	4245.3	4011.3	3968.3	3997.0	4040.0
9003.9	20°	8810.5	8287.6	6606.7	4973.5	4281.1	3942.1	3844.2	3872.8	3942.1	4004.1
9209.3	22.5°	8891.7	8170.6	6012.2	4512.7	3958.8	3767.8	3763.0	3822.7	3860.9	3891.9
9450.4	25°	8963.4	7972.5	5381.8	4125.9	3693.7	3662.7	3715.2	3696.1	3669.9	3696.1
9691.6	27.5°	9015.9	7659.7	4818.3	3786.9	3507.5	3591.1	3560.0	3517.1	3514.7	3529.0
9975.7	30°	8999.2	7241.8	4355.1	3464.5	3376.2	3457.4	3383.3	3376.2	3369.0	3376.2
10403.1	32.5°	8999.2	6766.7	3999.4	3242.5	3292.6	3261.6	3254.4	3237.7	3209.0	3206.7
10983.3	35°	9049.3	6291.5	3693.7	3123.1	3223.4	3149.4	3154.1	3113.5	3053.8	3025.2
11752.2	37.5°	9152.0	5909.5	3390.5	3065.8	3101.6	3099.2	3080.1	3010.9	2905.8	2815.1
12712.0	40°	9400.3	5797.3	3182.8	3039.5	3044.3	3072.9	3022.8	2889.1	2650.3	2502.3
13686.2	42.5°	9789.5	5985.9	3137.4	2975.1	3006.1	3034.7	2936.8	2626.4	2456.9	2368.6
14708.1	45°	10283.7	6315.4	3235.3	2881.9	2915.4	2965.5	2674.2	2526.2	2449.8	2452.1
15720.5	47.5°	10909.3	6661.6	3416.8	2800.7	2784.0	2812.7	2499.9	2409.2	2304.1	2330.4
16692.3	50°	11632.8	7012.6	3588.7	2690.9	2638.4	2545.3	2387.7	2301.7	2168.0	2105.9
17630.6	52.5°	12415.9	7351.7	3657.9	2557.2	2480.8	2373.4	2311.3	2206.2	2043.9	1941.2
18516.5	55°	13158.5	7659.7	3581.5	2397.2	2323.2	2239.6	2230.1	2165.6	1991.3	1848.1
19304.4	57.5°	13860.5	7917.6	3390.5	2234.9	2163.2	2113.1	2177.6	2146.5	1926.9	1743.0
20049.4	60°	14455.0	8094.2	3113.5	2070.1	2020.0	1993.7	2091.6	2082.1	1836.1	1630.8
20717.9	62.5°	14927.8	8163.5	2807.9	1912.5	1900.6	1852.8	1972.2	1972.2	1721.5	1521.0
21305.3	65°	15297.9	8096.6	2497.5	1757.3	1781.2	1709.6	1826.6	1812.2	1599.7	1423.1
21981.0	67.5°	15625.0	7877.0	2153.7	1604.5	1659.4	1568.7	1673.8	1640.3	1466.0	1325.2
22566.0	70°	15770.6	7366.0	1762.1	1451.7	1518.6	1430.2	1521.0	1458.9	1315.6	1220.1
21923.7	72.5°	14600.7	6122.0	1387.2	1291.7	1349.0	1277.4	1356.2	1284.6	1153.2	1110.3
18931.9	75°	12079.3	4593.9	1067.3	1117.4	1160.4	1105.5	1158.0	1105.5	986.1	1017.2
13984.6	77.5°	8772.3	3101.6	816.6	933.6	952.7	924.0	969.4	909.7	802.3	795.1
6969.6	80°	4362.3	1817.0	639.9	737.8	730.6	711.5	764.1	735.4	644.7	682.9
1881.5	82.5°	1263.1	778.4	465.6	518.1	503.8	508.6	546.8	561.1	840.5	833.3
585.0	85°	396.4	305.6	279.4	288.9	274.6	281.7	322.3	639.9	592.1	346.2
181.5	87.5°	102.7	105.1	69.2	74.0	76.4	90.7	102.7	389.2	186.2	121.8
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>
8146.8
7757.6
6921.9
5768.6
4873.3
4457.8
4159.3
4056.7
4025.6
3908.6
3712.8
3552.9
3402.4
3237.7
3053.8
2846.1
2521.4
2368.6
2464.1
2397.2
2122.6
1938.8
1848.1
1733.5
1623.6
1513.8
1413.5
1315.6
1201.0
1074.5
928.8
759.3
675.7
852.4
374.9
128.9
0.0

F REPORT)