

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: P948161

Luminaire Tested: **GALN-SB3B-750-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948161  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-750-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

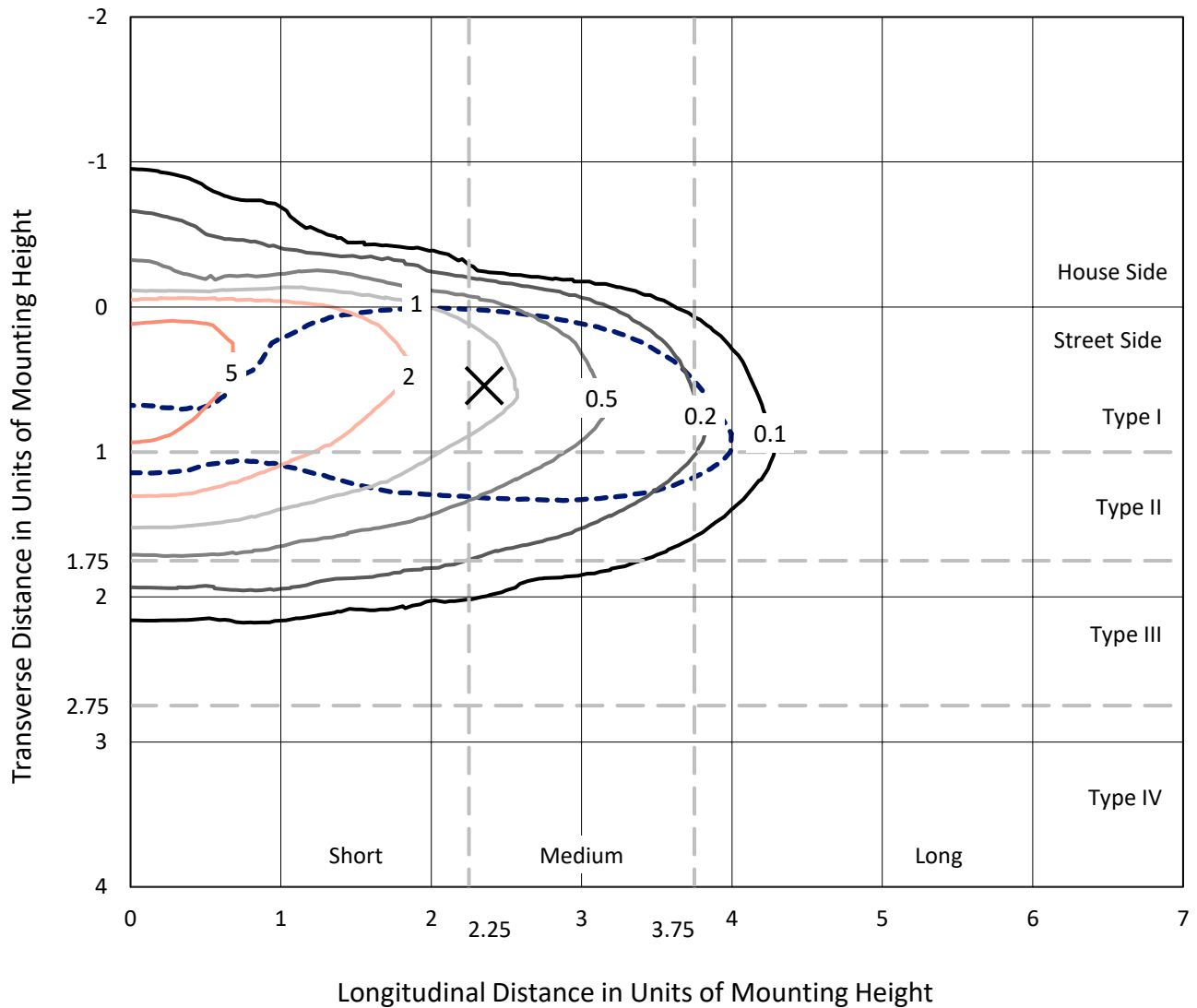
Lumens per Lamp: N/A  
Luminaire Lumens: 15134 lumens  
Efficiency: N/A  
Efficacy: 138.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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: P948161  
 CATALOG NUMBER: GALN-SB3B-750-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

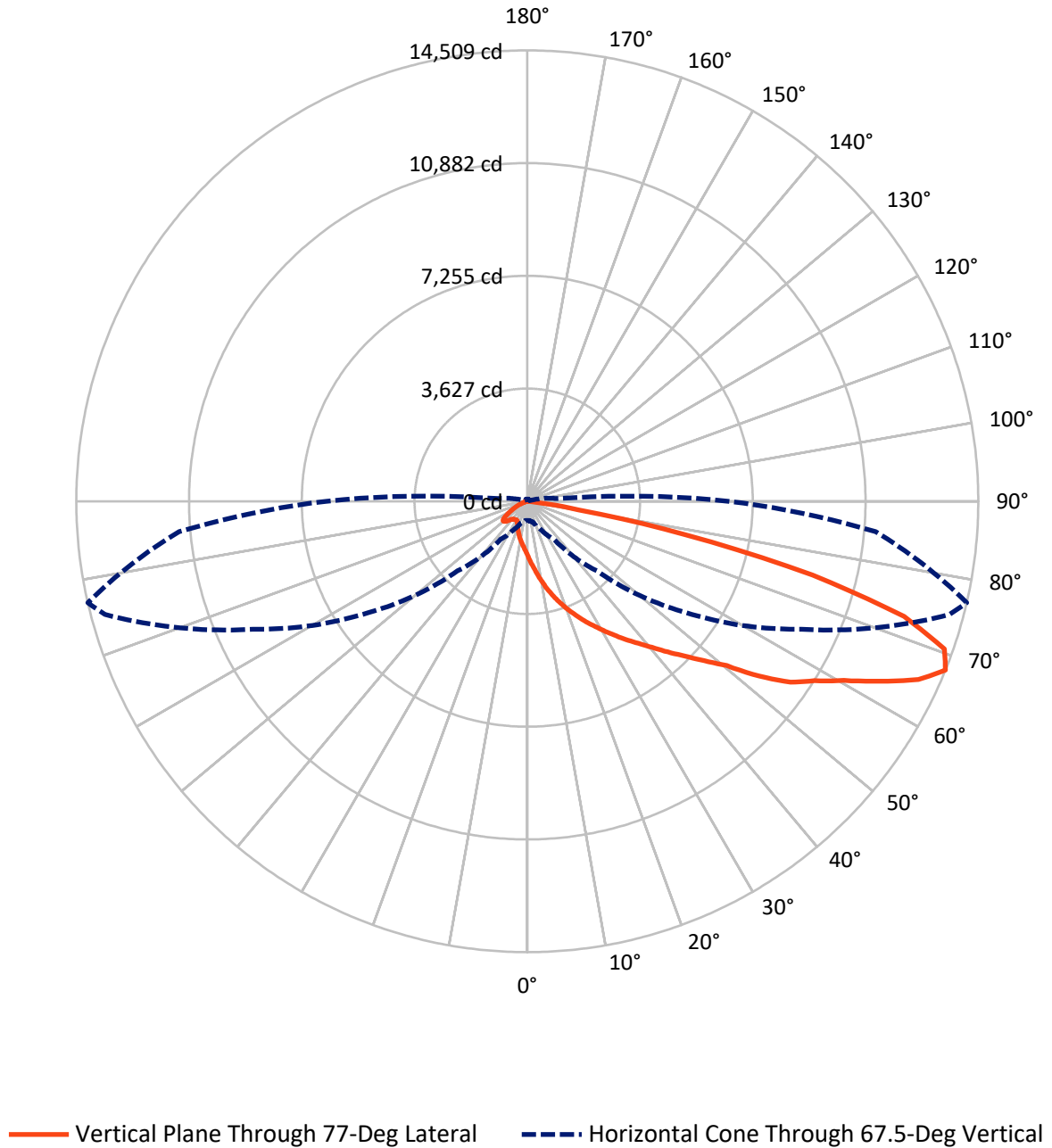
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
 Type II - Medium - N/A

REPORT NUMBER: P948161  
CATALOG NUMBER: GALN-SB3B-750-U-T2R-HSS

### Luminous Intensity Polar Plot



REPORT NUMBER: P948161  
 CATALOG NUMBER: GALN-SB3B-750-U-T2R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1113.4	0.0	1113.4
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	14020.6	0.0	14020.6
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	15134.0	0.0	15134.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.1	1.2
10°-20°	623.8	4.1
20°-30°	1203.7	8.0
30°-40°	2089.7	13.8
40°-50°	3034.1	20.0
50°-60°	3484.3	23.0
60°-70°	3025.0	20.0
70°-80°	1424.8	9.4
80°-90°	70.5	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°	15134.0	100.0
0°-180°	15134.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P948161

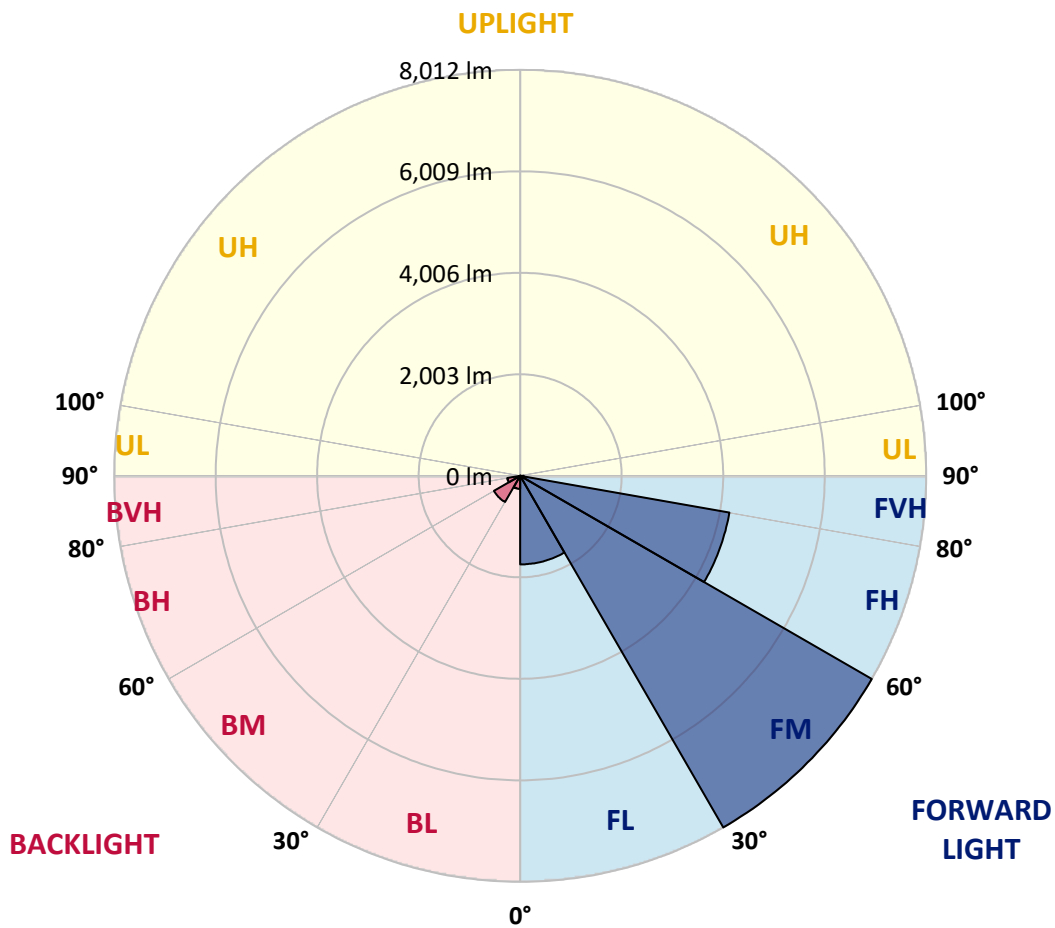
CATALOG NUMBER: GALN-SB3B-750-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1747.8	11.5			
FM (30°-60°)	8011.5	52.9			
FH (60°-80°)	4192.1	27.7			G2/5000
FVH (80°-90°)	69.2	0.5			G1/100
BL (0°-30°)	257.8	1.7	B1/500		
BM (30°-60°)	596.6	3.9	B1/1000		
BH (60°-80°)	257.8	1.7	B1/500		G1/500
BVH (80°-90°)	1.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Medium



REPORT NUMBER: P948161  
 CATALOG NUMBER: GALN-SB3B-750-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1745.2	1745.2	1745.2	1745.2	1745.2	1745.2	1745.2	1745.2	1745.2	1745.2
2.5°	2416.2	2431.2	2409.6	2368.2	2306.2	2265.8	2167.1	2074.1	1970.7	1937.8
5°	2945.3	2958.4	2934.0	2888.9	2806.2	2727.2	2597.6	2403.0	2201.0	2136.1
7.5°	3337.2	3344.7	3335.3	3293.9	3215.0	3125.7	2981.0	2750.7	2450.9	2379.5
10°	3619.1	3643.5	3640.7	3624.7	3572.1	3499.7	3345.6	3083.4	2731.0	2638.9
12.5°	3806.1	3833.4	3849.3	3885.1	3882.2	3836.2	3700.9	3423.6	3010.1	2902.0
15°	3860.6	3889.8	3950.8	4033.5	4106.8	4130.3	4035.4	3757.2	3317.4	3179.3
17.5°	3829.6	3874.7	3948.0	4078.6	4239.4	4345.5	4335.2	4079.6	3596.5	3438.7
20°	3898.2	3941.4	3998.8	4108.7	4295.7	4488.4	4565.5	4387.8	3873.8	3708.4
22.5°	4277.9	4270.4	4276.0	4293.9	4405.7	4596.5	4755.3	4667.9	4148.2	3979.0
25°	4879.3	4845.5	4788.2	4691.4	4663.2	4755.3	4920.7	4916.0	4437.6	4256.3
27.5°	5569.1	5563.5	5429.1	5196.0	5064.5	5028.8	5107.7	5157.5	4724.3	4530.7
30°	6229.8	6244.8	6063.5	5804.1	5562.6	5422.5	5351.1	5386.8	5015.6	4826.7
32.5°	6805.0	6820.9	6623.6	6320.0	6021.2	5852.0	5701.6	5613.3	5333.3	5127.4
35°	7290.8	7306.8	7080.3	6744.8	6426.2	6273.0	6102.9	5861.4	5652.8	5461.1
37.5°	7725.0	7720.3	7416.7	7078.4	6765.5	6644.2	6555.0	6166.8	5981.7	5796.6
40°	7981.6	8001.3	7741.9	7368.8	7065.3	6976.9	6971.3	6545.6	6361.4	6181.9
42.5°	8056.7	8091.5	7903.6	7597.2	7321.8	7226.0	7373.5	6955.3	6803.1	6628.3
45°	7921.4	7955.2	7869.7	7657.3	7496.6	7434.6	7719.4	7380.1	7274.8	7101.9
47.5°	7526.7	7569.0	7589.7	7544.6	7542.7	7605.6	8029.5	7827.4	7835.0	7658.3
50°	6762.7	6834.1	7023.9	7183.7	7430.8	7741.0	8331.2	8312.4	8466.5	8314.2
52.5°	5373.7	5475.2	6129.2	6566.2	7121.7	7715.6	8662.9	9090.5	9574.5	9351.8
55°	4318.3	4318.3	4850.2	5667.8	6518.3	7548.3	8807.6	9596.1	10329.1	10276.5
57.5°	3520.4	3562.7	3902.0	4624.7	5645.3	7149.9	8896.9	9913.7	10937.2	10898.6
60°	2172.8	2263.9	2904.9	3618.2	4651.9	6440.3	8840.5	10235.2	11674.9	11705.9
62.5°	1223.6	1257.4	1543.1	2603.2	3617.2	5486.4	8409.2	10414.6	12618.4	12750.0
65°	844.9	861.8	971.7	1620.2	2507.3	4368.1	7566.2	10302.8	13563.9	13829.8
67.5°	613.7	622.1	690.7	989.6	1487.7	3167.1	6244.8	9738.9	14064.8	14509.3
70°	471.8	477.4	527.2	650.3	878.7	1954.7	4535.4	8617.8	13702.0	14233.0
72.5°	383.4	389.1	427.6	481.2	582.7	1155.9	2748.9	6998.5	12100.6	12673.9
75°	323.3	330.8	365.6	400.3	456.7	742.4	1289.4	4873.7	9099.9	9475.8
77.5°	179.5	165.4	297.0	331.7	385.3	469.9	603.3	2868.2	5096.4	5200.7
80°	111.8	115.6	235.9	266.9	296.0	236.8	276.3	1104.2	1766.8	1678.4
82.5°	6.6	15.0	181.4	192.7	203.0	101.5	104.3	375.0	425.7	390.9
85°	0.0	0.0	82.7	66.7	70.5	29.1	30.1	87.4	57.3	62.0
87.5°	0.0	0.0	0.0	1.9	0.0	2.8	5.6	7.5	2.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948161  
 CATALOG NUMBER: GALN-SB3B-750-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1745.2	0°	1745.2	1745.2	1745.2	1745.2	1745.2	1745.2	1745.2	1745.2	1745.2	1745.2
1834.5	2.5°	1768.7	1702.9	1569.4	1438.8	1332.6	1233.9	1163.4	1096.7	1062.9	1061.0
1952.9	5°	1822.2	1684.1	1417.2	1181.3	991.5	839.2	740.5	670.1	634.4	622.1
2098.5	7.5°	1897.4	1689.7	1283.7	955.8	732.1	601.5	545.1	522.5	515.0	506.5
2263.0	10°	1992.3	1702.9	1164.4	769.7	577.0	511.2	488.7	479.3	473.6	468.0
2448.1	12.5°	2098.5	1715.1	1046.0	639.1	507.5	473.6	457.7	446.4	438.9	432.3
2638.0	15°	2201.9	1722.6	922.9	547.9	471.8	444.5	427.6	415.4	405.0	397.5
2824.0	17.5°	2304.3	1733.0	807.3	493.4	442.6	415.4	398.5	383.4	375.0	366.5
3019.5	20°	2418.1	1731.1	698.3	454.9	413.5	386.2	368.4	354.3	345.8	336.4
3226.3	22.5°	2523.3	1721.7	602.4	422.0	383.4	357.1	337.4	323.3	314.8	307.3
3437.7	25°	2644.5	1714.2	522.5	391.9	355.2	328.9	307.3	294.2	284.8	278.2
3650.1	27.5°	2761.1	1702.9	464.3	364.6	328.0	302.6	281.9	266.9	258.4	253.7
3869.1	30°	2875.7	1700.1	442.6	338.3	303.5	278.2	257.5	243.4	236.8	234.9
4109.7	32.5°	3013.9	1707.6	452.0	328.9	281.0	255.6	235.9	225.5	219.0	219.0
4377.5	35°	3161.4	1705.7	466.1	337.4	266.0	233.1	218.0	211.5	204.9	204.9
4674.5	37.5°	3346.6	1708.5	477.4	351.5	260.3	214.3	205.8	197.4	193.6	193.6
4999.6	40°	3622.9	1801.6	471.8	363.7	258.4	201.1	184.2	181.4	178.6	178.6
5367.1	42.5°	3961.2	2003.6	479.3	364.6	257.5	191.7	169.2	174.8	168.2	167.3
5781.5	45°	4331.4	2224.5	527.2	344.9	256.6	187.0	161.6	168.2	157.9	157.9
6261.8	47.5°	4698.9	2443.4	576.1	316.7	253.7	186.1	155.1	151.3	148.5	149.4
6887.7	50°	5205.4	2622.0	594.9	278.2	247.2	184.2	142.8	143.8	141.9	143.8
7770.1	52.5°	5757.1	2659.6	572.3	234.9	228.4	178.6	134.4	138.1	137.2	139.1
8391.3	55°	6101.1	2619.2	472.7	195.5	199.2	156.0	125.9	133.4	133.4	133.4
8998.4	57.5°	6456.3	2447.2	335.5	158.8	165.4	127.8	118.4	128.7	127.8	126.9
9729.5	60°	6711.9	2169.0	220.8	130.6	131.6	105.3	110.0	121.2	120.3	115.6
10483.3	62.5°	6902.7	1861.7	141.9	110.9	100.6	94.9	100.6	110.0	106.2	95.9
11122.3	65°	6881.1	1436.0	109.0	94.9	82.7	82.7	87.4	95.9	84.6	67.7
11244.5	67.5°	6479.8	971.7	90.2	79.9	69.5	68.6	72.4	79.9	72.4	57.3
10618.6	70°	5762.7	635.3	72.4	62.0	55.4	50.7	58.3	68.6	61.1	46.0
9039.8	72.5°	4677.3	387.2	54.5	45.1	40.4	32.9	46.0	56.4	48.9	33.8
6286.2	75°	3026.1	197.4	37.6	29.1	21.6	19.7	33.8	42.3	33.8	20.7
2789.3	77.5°	1157.8	82.7	20.7	13.2	11.3	9.4	18.8	25.4	14.1	4.7
540.4	80°	222.7	34.8	10.3	6.6	5.6	3.8	2.8	1.9	0.0	0.0
95.9	82.5°	38.5	11.3	3.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0
18.8	85°	13.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	87.5°	4.7	0.0	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

180°
1745.2
1059.1
620.3
504.7
466.1
430.4
396.6
365.6
335.5
306.4
277.2
253.7
234.0
219.0
204.9
193.6
178.6
166.3
157.9
149.4
143.8
139.1
133.4
126.9
115.6
94.0
65.8
55.4
44.2
32.0
17.9
3.8
0.0
0.0
0.0
0.0
0.0

F REPORT)