

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: P948833

Luminaire Tested: **GALN-SB3D-735-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948833
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-SB3D-735-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 900mA 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: 25851 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

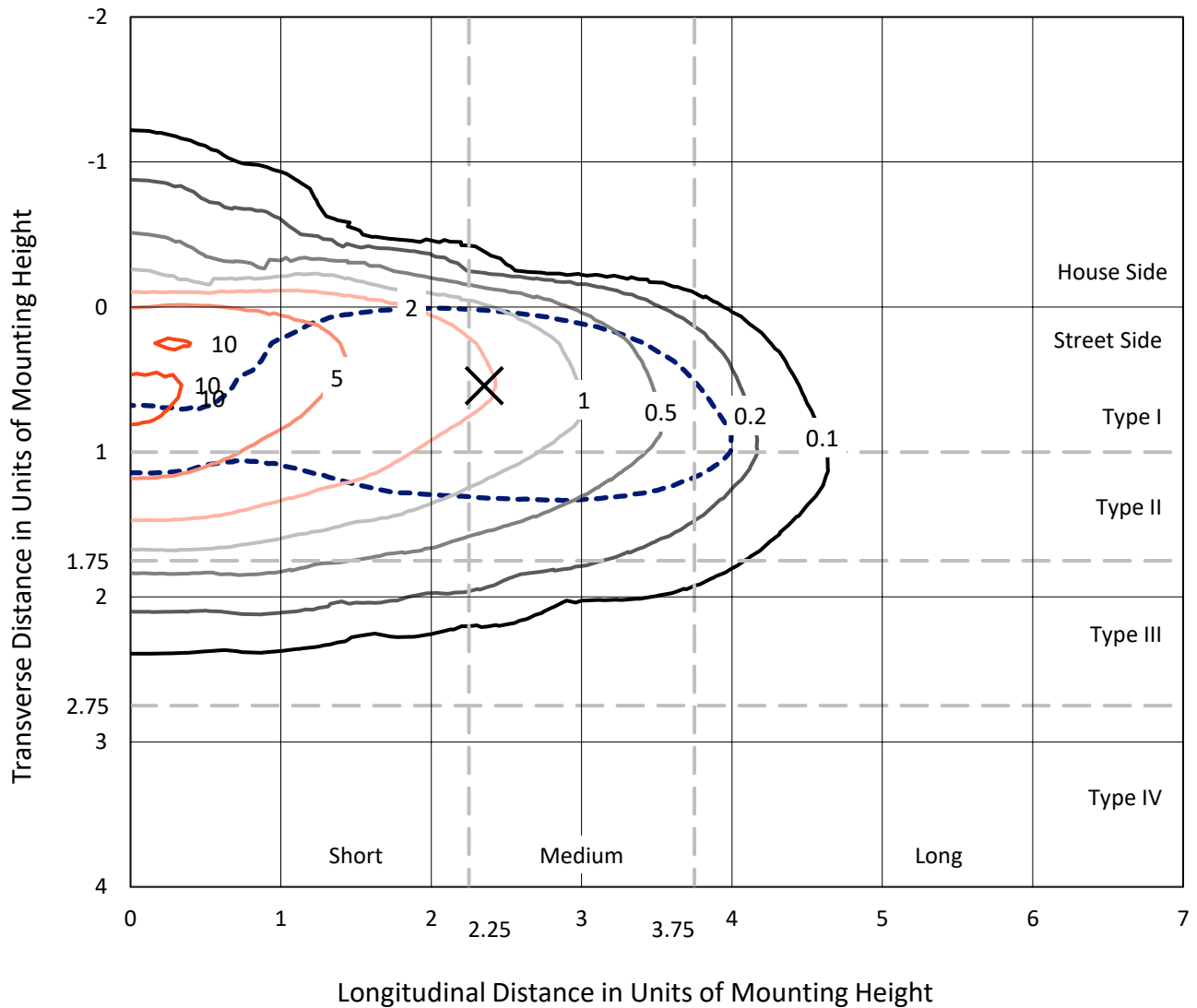
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948833
 CATALOG NUMBER: GALN-SB3D-735-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

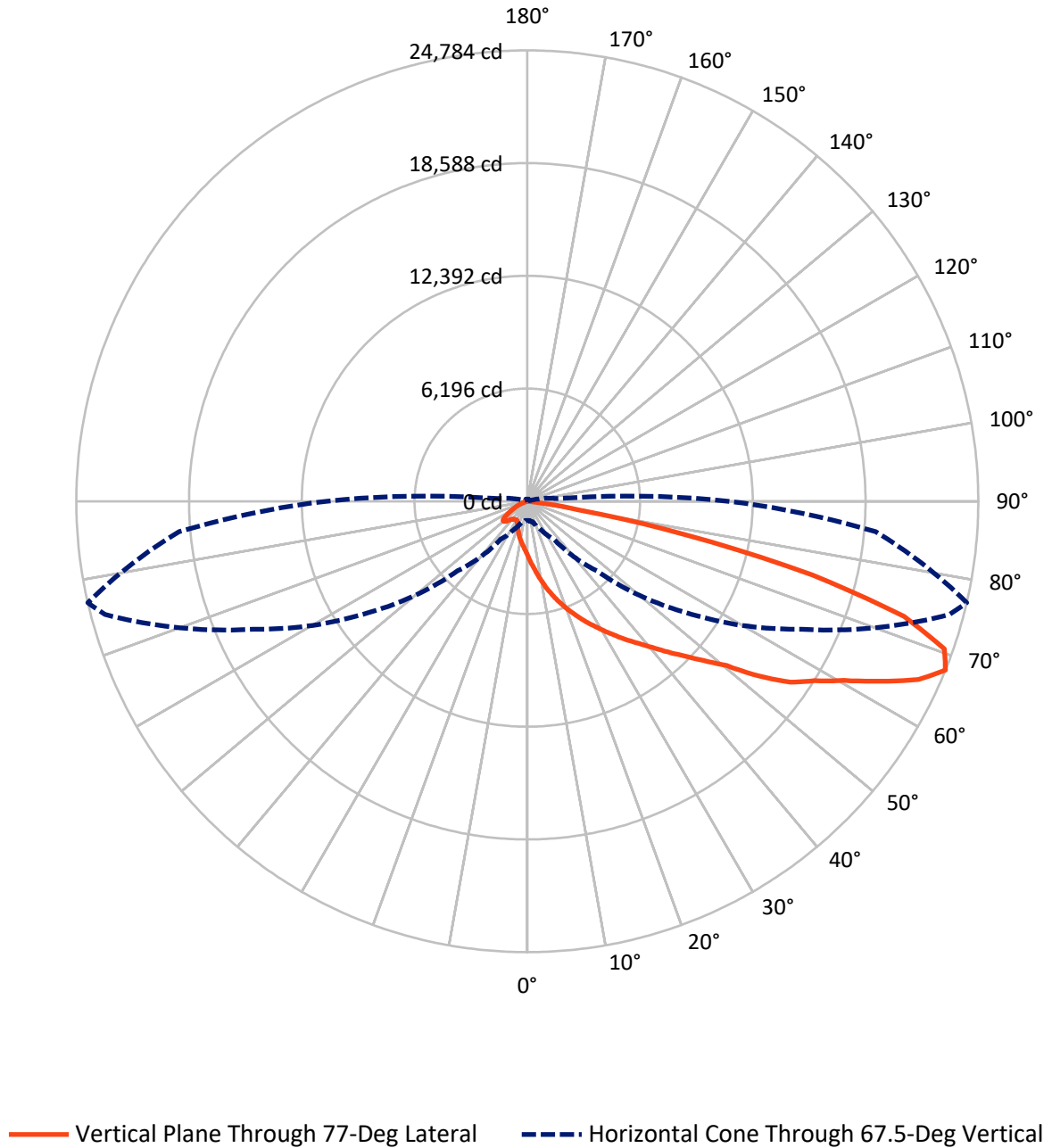
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P948833
CATALOG NUMBER: GALN-SB3D-735-U-T2R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P948833
 CATALOG NUMBER: GALN-SB3D-735-U-T2R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1901.9	0.0	1901.9
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	23949.1	0.0	23949.1
	% Fixture	92.6	0.0	92.6
Total	Lumens	25851.0	0.0	25851.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.3	1.2
10°-20°	1065.5	4.1
20°-30°	2056.1	8.0
30°-40°	3569.5	13.8
40°-50°	5182.7	20.0
50°-60°	5951.7	23.0
60°-70°	5167.2	20.0
70°-80°	2433.8	9.4
80°-90°	120.4	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°	25851.0	100.0
0°-180°	25851.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948833

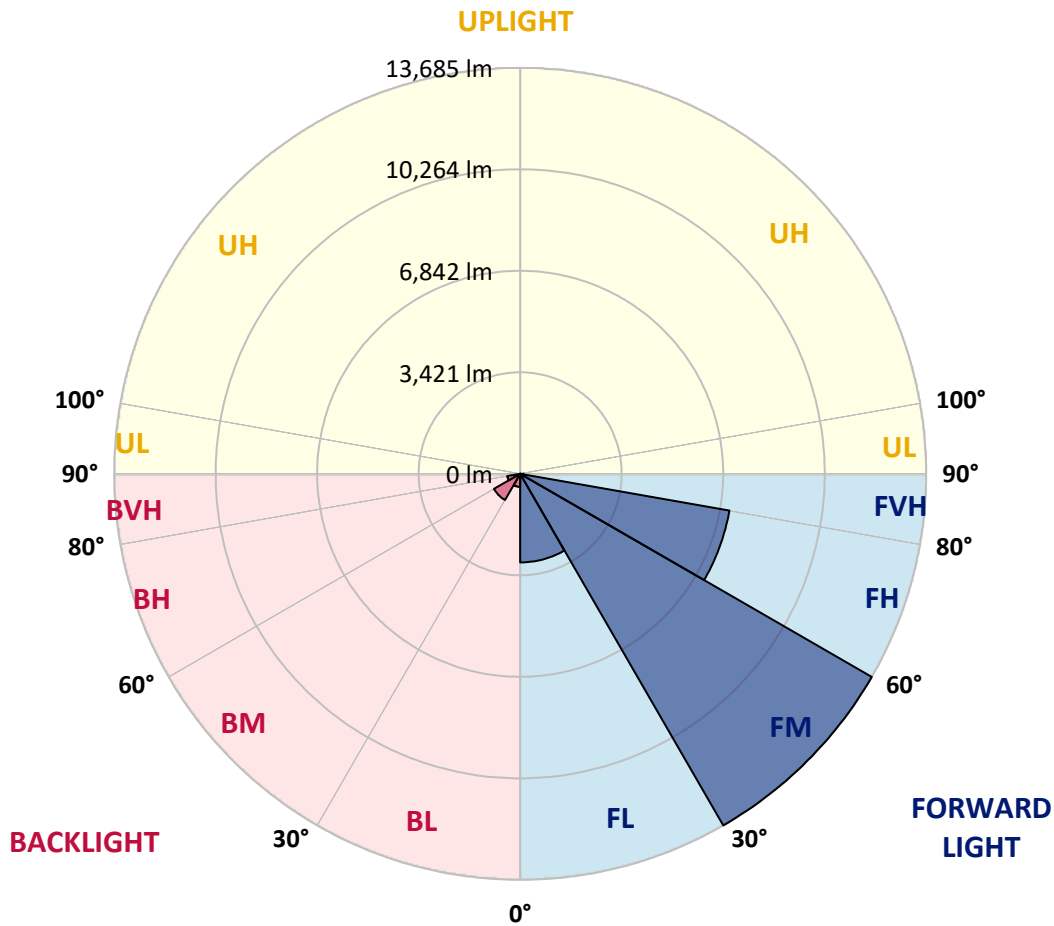
CATALOG NUMBER: GALN-SB3D-735-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2985.5	11.5			
FM (30°-60°)	13684.8	52.9			
FH (60°-80°)	7160.7	27.7			G3/7500
FVH (80°-90°)	118.1	0.5			G2/225
BL (0°-30°)	440.3	1.7	B1/500		
BM (30°-60°)	1019.0	3.9	B2/2500		
BH (60°-80°)	440.3	1.7	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Medium



REPORT NUMBER: P948833
 CATALOG NUMBER: GALN-SB3D-735-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0
2.5°	4127.2	4152.9	4115.9	4045.3	3939.4	3870.3	3701.8	3542.8	3366.3	3310.1
5°	5030.9	5053.4	5011.7	4934.6	4793.4	4658.5	4437.0	4104.7	3759.6	3648.8
7.5°	5700.3	5713.2	5697.1	5626.5	5491.7	5339.2	5091.9	4698.6	4186.6	4064.6
10°	6181.9	6223.7	6218.8	6191.6	6101.7	5978.1	5714.8	5266.9	4664.9	4507.6
12.5°	6501.4	6547.9	6575.2	6636.2	6631.4	6552.7	6321.6	5848.0	5141.7	4957.1
15°	6594.5	6644.2	6748.6	6889.9	7015.1	7055.2	6893.1	6417.9	5666.6	5430.7
17.5°	6541.5	6618.6	6743.8	6966.9	7241.4	7422.8	7405.1	6968.5	6143.4	5873.7
20°	6658.7	6732.5	6830.5	7018.3	7337.7	7666.8	7798.4	7495.0	6617.0	6334.4
22.5°	7307.2	7294.4	7304.0	7334.5	7525.5	7851.4	8122.7	7973.4	7085.7	6796.7
25°	8334.6	8276.8	8178.9	8013.5	7965.4	8122.7	8405.2	8397.2	7580.1	7270.3
27.5°	9512.9	9503.2	9273.7	8875.6	8650.8	8589.8	8724.7	8809.8	8069.7	7739.0
30°	10641.4	10667.1	10357.3	9914.2	9501.6	9262.5	9140.5	9201.5	8567.4	8244.7
32.5°	11623.8	11651.1	11314.0	10795.5	10285.0	9996.1	9739.2	9588.3	9109.9	8758.4
35°	12453.7	12481.0	12094.2	11521.1	10976.9	10715.2	10424.7	10012.1	9655.7	9328.3
37.5°	13195.4	13187.4	12668.8	12091.0	11556.4	11349.3	11196.8	10533.8	10217.6	9901.4
40°	13633.6	13667.3	13224.3	12587.0	12068.5	11917.6	11907.9	11180.8	10866.1	10559.5
42.5°	13762.0	13821.4	13500.4	12977.1	12506.7	12343.0	12595.0	11880.7	11620.6	11322.0
45°	13530.9	13588.7	13442.6	13079.8	12805.3	12699.4	13185.7	12606.2	12426.5	12131.1
47.5°	12856.7	12928.9	12964.2	12887.2	12884.0	12991.5	13715.5	13370.4	13383.2	13081.4
50°	11551.6	11673.6	11997.8	12270.7	12692.9	13222.7	14230.8	14198.7	14461.9	14201.9
52.5°	9179.0	9352.3	10469.6	11216.1	12164.8	13179.3	14797.4	15527.8	16354.6	15974.1
55°	7376.3	7376.3	8284.8	9681.4	11134.2	12893.6	15044.7	16391.5	17643.6	17553.7
57.5°	6013.4	6085.6	6665.1	7899.6	9642.9	12213.0	15197.2	16934.1	18682.2	18616.4
60°	3711.4	3867.1	4961.9	6180.3	7946.1	11001.0	15100.8	17483.1	19942.4	19995.3
62.5°	2090.1	2147.9	2635.9	4446.6	6178.7	9371.6	14364.0	17789.7	21554.1	21778.8
65°	1443.1	1472.0	1659.9	2767.5	4282.9	7461.3	12924.1	17598.7	23169.0	23623.3
67.5°	1048.2	1062.7	1179.9	1690.4	2541.2	5409.8	10667.1	16635.5	24024.6	24783.9
70°	805.8	815.5	900.6	1110.9	1500.9	3339.0	7747.1	14720.4	23404.9	24311.9
72.5°	655.0	664.6	730.4	821.9	995.3	1974.5	4695.4	11954.5	20669.6	21648.8
75°	552.2	565.1	624.5	683.8	780.2	1268.2	2202.4	8325.0	15543.9	16186.0
77.5°	306.6	282.5	507.3	566.7	658.2	802.6	1030.6	4899.3	8705.4	8883.6
80°	191.0	197.4	402.9	455.9	505.7	404.5	472.0	1886.2	3017.9	2867.0
82.5°	11.2	25.7	309.8	329.1	346.7	173.4	178.2	640.5	727.2	667.8
85°	0.0	0.0	141.3	114.0	120.4	49.8	51.4	149.3	97.9	105.9
87.5°	0.0	0.0	0.0	3.2	0.0	4.8	9.6	12.8	4.8	6.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948833
 CATALOG NUMBER: GALN-SB3D-735-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2981.0	0°	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0	2981.0
3133.5	2.5°	3021.1	2908.8	2680.8	2457.7	2276.3	2107.7	1987.3	1873.4	1815.6	1812.4
3335.8	5°	3112.6	2876.7	2420.8	2017.8	1693.6	1433.5	1265.0	1144.6	1083.6	1062.7
3584.6	7.5°	3241.1	2886.3	2192.8	1632.6	1250.5	1027.4	931.1	892.5	879.7	865.2
3865.5	10°	3403.2	2908.8	1988.9	1314.7	985.6	873.3	834.7	818.7	809.1	799.4
4181.7	12.5°	3584.6	2929.6	1786.7	1091.6	866.8	809.1	781.8	762.5	749.7	738.4
4506.0	15°	3761.2	2942.5	1576.4	935.9	805.8	759.3	730.4	709.5	691.9	679.0
4823.9	17.5°	3936.1	2960.1	1378.9	842.8	756.1	709.5	680.6	655.0	640.5	626.1
5157.8	20°	4130.4	2956.9	1192.7	777.0	706.3	659.8	629.3	605.2	590.7	574.7
5510.9	22.5°	4310.2	2940.9	1029.0	720.8	655.0	610.0	576.3	552.2	537.8	524.9
5872.1	25°	4517.3	2928.0	892.5	669.4	606.8	561.8	524.9	502.5	486.4	475.2
6234.9	27.5°	4716.3	2908.8	793.0	622.8	560.2	516.9	481.6	455.9	441.5	433.4
6608.9	30°	4912.1	2903.9	756.1	577.9	518.5	475.2	439.8	415.8	404.5	401.3
7019.9	32.5°	5148.1	2916.8	772.1	561.8	480.0	436.6	402.9	385.3	374.0	374.0
7477.4	35°	5400.2	2913.6	796.2	576.3	454.3	398.1	372.4	361.2	350.0	350.0
7984.7	37.5°	5716.4	2918.4	815.5	600.4	444.7	366.0	351.6	337.1	330.7	330.7
8540.1	40°	6188.3	3077.3	805.8	621.2	441.5	343.5	314.6	309.8	305.0	305.0
9167.7	42.5°	6766.2	3422.5	818.7	622.8	439.8	327.5	288.9	298.6	287.3	285.7
9875.7	45°	7398.7	3799.7	900.6	589.1	438.2	319.5	276.1	287.3	269.7	269.7
10696.0	47.5°	8026.4	4173.7	984.0	541.0	433.4	317.8	264.9	258.4	253.6	255.2
11765.1	50°	8891.6	4478.7	1016.1	475.2	422.2	314.6	244.0	245.6	242.4	245.6
13272.4	52.5°	9833.9	4542.9	977.6	401.3	390.1	305.0	229.6	236.0	234.4	237.6
14333.5	55°	10421.5	4473.9	807.5	333.9	340.3	266.5	215.1	227.9	227.9	227.9
15370.5	57.5°	11028.3	4180.1	573.1	271.3	282.5	218.3	202.3	219.9	218.3	216.7
16619.4	60°	11464.9	3705.0	377.2	223.1	224.7	179.8	187.8	207.1	205.5	197.4
17906.9	62.5°	11790.8	3180.1	242.4	189.4	171.8	162.1	171.8	187.8	181.4	163.7
18998.5	65°	11753.8	2452.9	186.2	162.1	141.3	141.3	149.3	163.7	144.5	115.6
19207.1	67.5°	11068.4	1659.9	154.1	136.4	118.8	117.2	123.6	136.4	123.6	97.9
18138.0	70°	9843.6	1085.2	123.6	105.9	94.7	86.7	99.5	117.2	104.3	78.7
15441.2	72.5°	7989.5	661.4	93.1	77.1	69.0	56.2	78.7	96.3	83.5	57.8
10737.7	75°	5169.0	337.1	64.2	49.8	36.9	33.7	57.8	72.2	57.8	35.3
4764.5	77.5°	1977.7	141.3	35.3	22.5	19.3	16.1	32.1	43.3	24.1	8.0
923.0	80°	380.5	59.4	17.7	11.2	9.6	6.4	4.8	3.2	0.0	0.0
163.7	82.5°	65.8	19.3	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0
32.1	85°	22.5	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.2	87.5°	8.0	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

<u>180°</u>
2981.0
1809.1
1059.5
862.0
796.2
735.2
677.4
624.5
573.1
523.3
473.6
433.4
399.7
374.0
350.0
330.7
305.0
284.1
269.7
255.2
245.6
237.6
227.9
216.7
197.4
160.5
112.4
94.7
75.4
54.6
30.5
6.4
0.0
0.0
0.0
0.0
0.0

F REPORT)