

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: STREETWORKS

Report Number: P851677

Luminaire Tested: **GLAN-SB9D-735-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851677  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 71333 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5

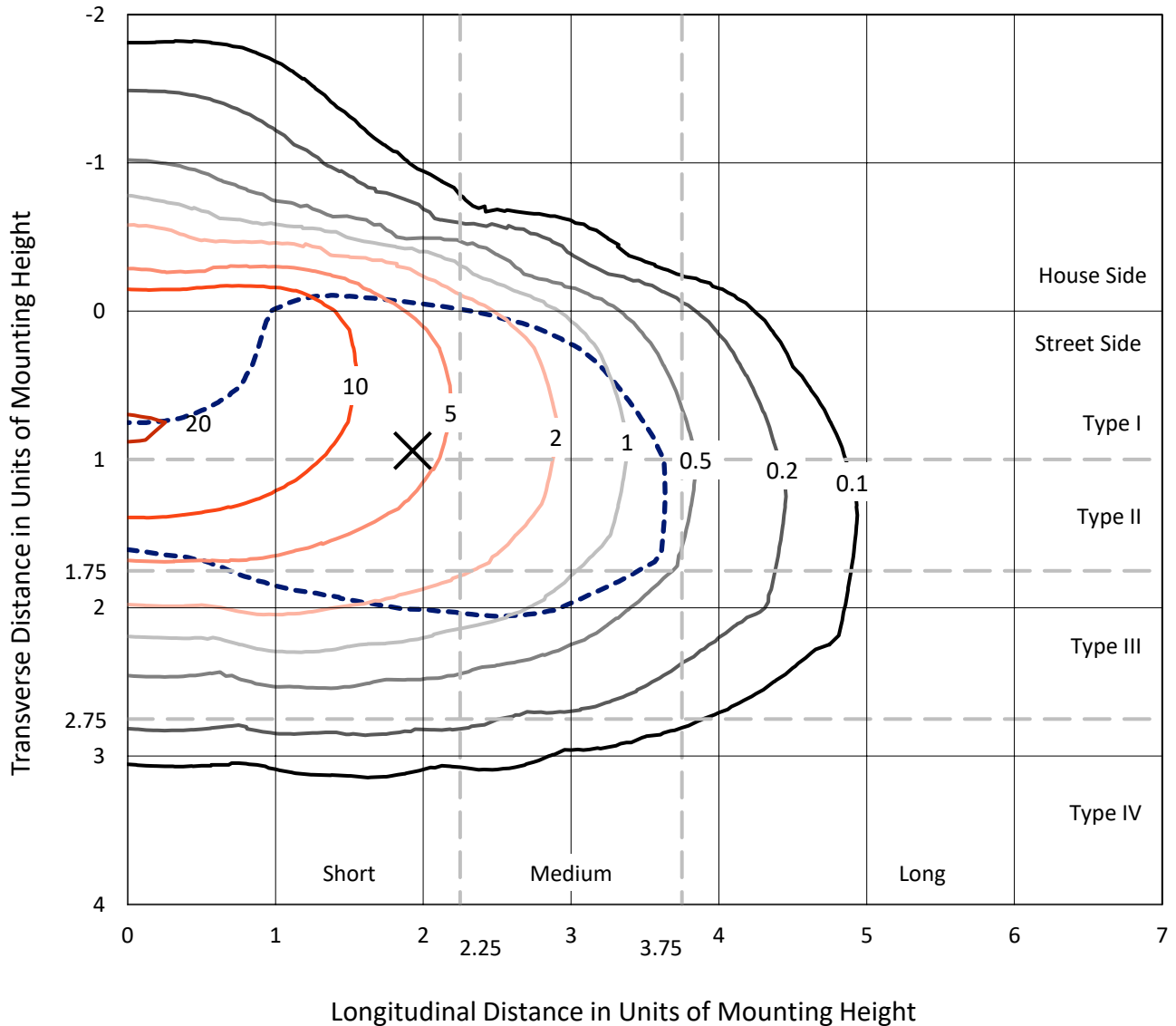
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P851677  
 CATALOG NUMBER: GLAN-SB9D-735-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

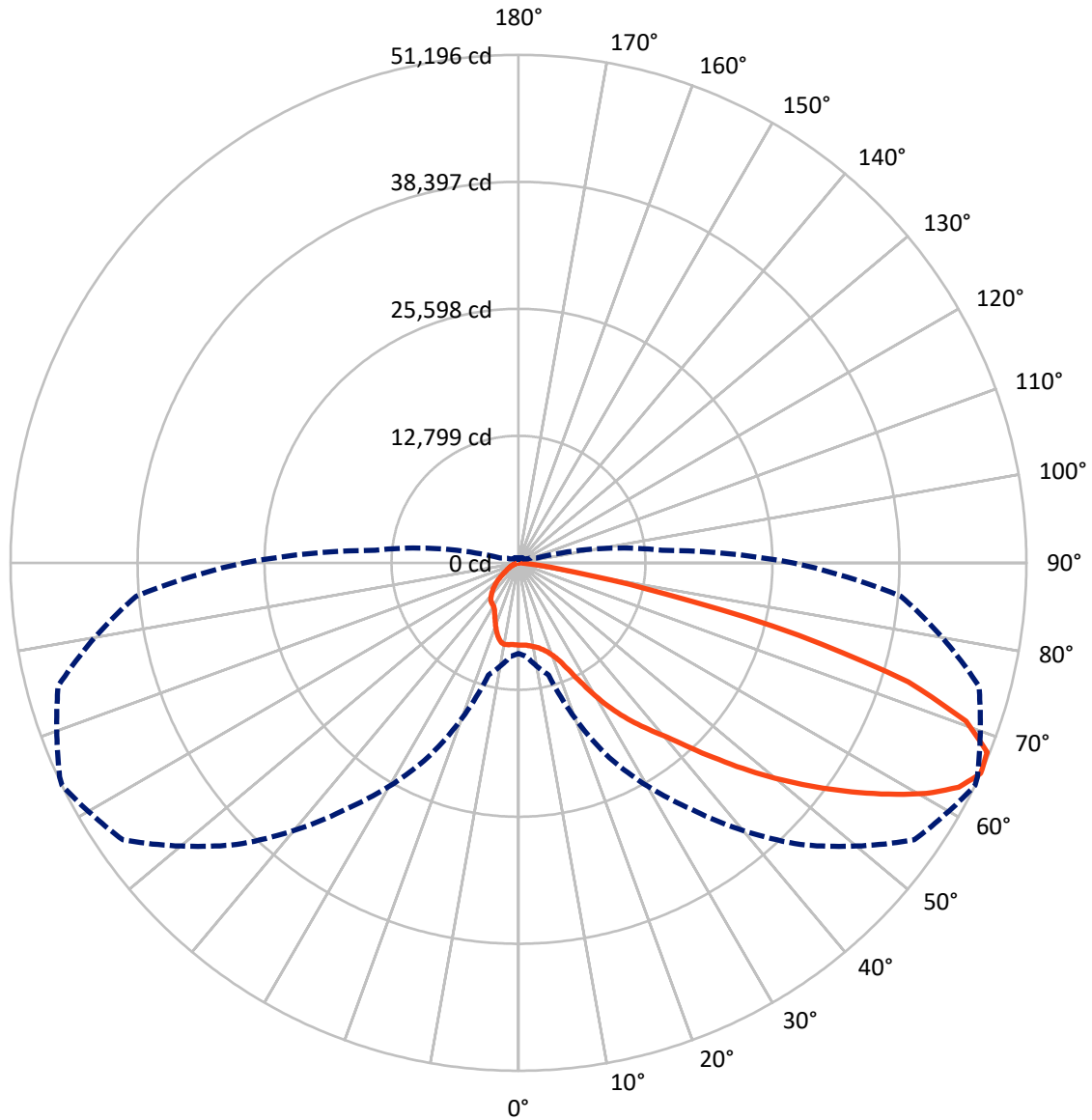
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P851677  
CATALOG NUMBER: GLAN-SB9D-735-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P851677  
 CATALOG NUMBER: GLAN-SB9D-735-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9539.4	0.0	9539.4
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	61793.6	0.0	61793.6
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	71333.0	0.0	71333.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	765.5	1.1
10°-20°	2076.2	2.9
20°-30°	3934.1	5.5
30°-40°	7960.8	11.2
40°-50°	13561.3	19.0
50°-60°	18442.3	25.9
60°-70°	17318.3	24.3
70°-80°	6938.4	9.7
80°-90°	336.1	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°	71333.0	100.0
0°-180°	71333.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P851677

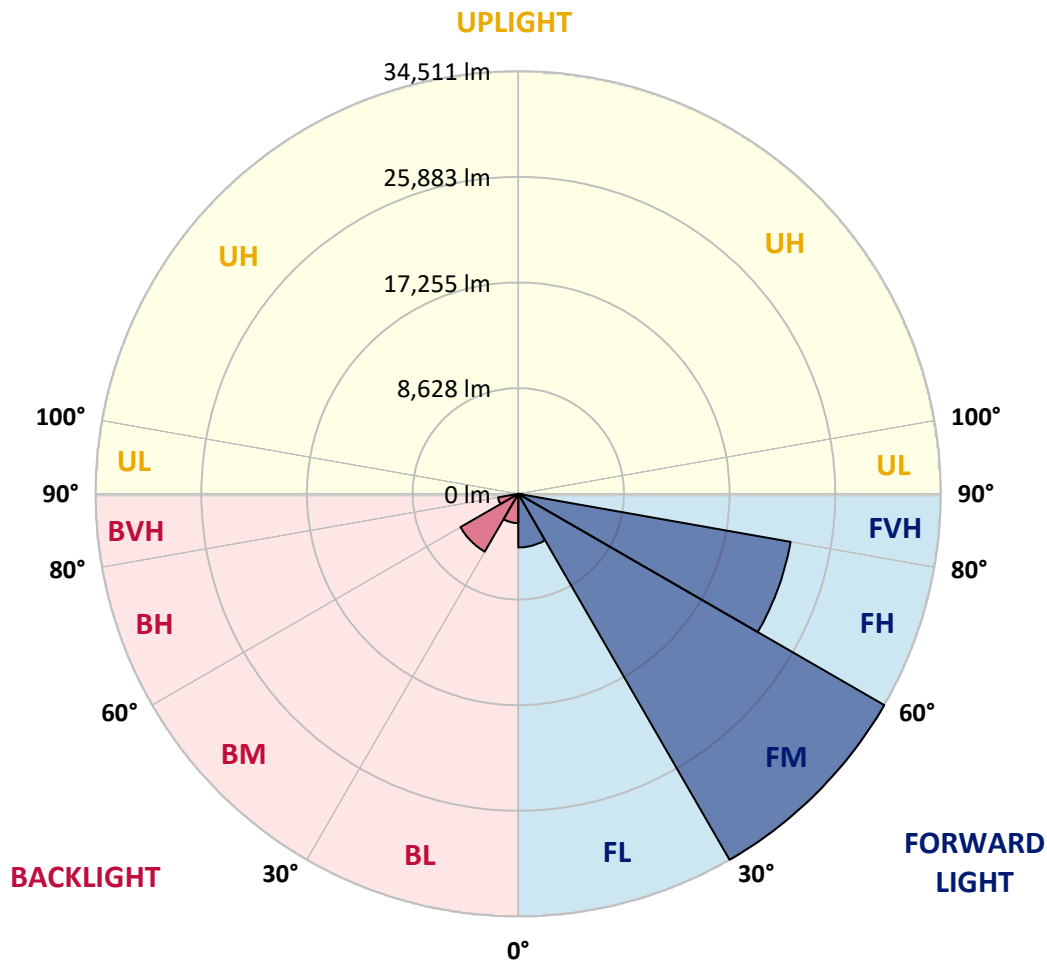
CATALOG NUMBER: GLAN-SB9D-735-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4380.7	6.1			
FM (30°-60°)	34510.8	48.4			
FH (60°-80°)	22582.4	31.7			G5
FVH (80°-90°)	319.7	0.4			G3/500
BL (0°-30°)	2395.1	3.4	B3/2500		
BM (30°-60°)	5453.6	7.6	B4/8500		
BH (60°-80°)	1674.3	2.3	B3/2500		G3/2500
BVH (80°-90°)	16.4	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type III Short



REPORT NUMBER: P851677  
 CATALOG NUMBER: GLAN-SB9D-735-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	8296.8	8296.8	8296.8	8296.8	8296.8	8296.8	8296.8	8296.8	8296.8	8296.8
2.5°	8268.1	8325.5	8311.1	8296.8	8292.0	8301.6	8306.3	8301.6	8301.6	8301.6
5°	8110.3	8158.1	8158.1	8191.6	8239.4	8296.8	8339.8	8349.4	8358.9	8373.3
7.5°	7809.0	7847.3	7876.0	7985.9	8105.5	8258.5	8387.6	8454.6	8464.1	8516.7
10°	7603.4	7651.2	7699.0	7813.8	7985.9	8215.5	8435.4	8598.0	8621.9	8746.3
12.5°	7593.8	7641.6	7703.8	7828.1	8029.0	8272.9	8540.7	8775.0	8818.0	8999.7
15°	7694.2	7751.6	7809.0	7962.0	8177.2	8473.7	8760.6	9052.3	9095.4	9353.6
17.5°	7899.9	7976.4	8019.4	8172.4	8402.0	8731.9	9109.7	9444.4	9482.7	9784.0
20°	8306.3	8397.2	8411.5	8535.9	8760.6	9114.5	9564.0	9980.0	10027.9	10372.2
22.5°	9148.0	9277.1	9162.3	9224.5	9425.3	9779.2	10267.0	10793.0	10859.9	11252.0
25°	10630.4	10812.1	10515.6	10410.4	10496.5	10864.7	11476.8	12141.5	12218.0	12533.6
27.5°	13542.6	13308.3	12858.8	12418.9	12160.6	12371.0	13059.6	13882.1	13977.8	14283.8
30°	16741.8	16536.2	15928.8	14953.3	14341.2	14307.7	14943.7	15861.9	15971.9	16263.6
32.5°	19945.7	19749.7	19089.7	17889.5	16827.9	16301.8	16741.8	17760.3	17817.7	18004.2
35°	23097.1	22896.2	22236.3	21007.3	19701.8	18506.3	18420.3	19567.9	19587.1	19783.1
37.5°	26267.5	26100.2	25397.2	24192.1	22905.8	21256.0	20457.4	21279.9	21303.8	21495.1
40°	28529.4	28601.1	28118.2	27185.7	26081.0	24278.2	22743.2	23101.8	22958.4	23278.8
42.5°	30470.9	30614.4	30193.5	29724.9	29084.1	27496.5	25574.1	25512.0	25282.4	25454.6
45°	32149.4	32268.9	31891.2	31781.2	31766.8	30652.6	28668.1	28295.1	27974.7	27941.2
47.5°	32766.3	32995.8	33158.4	33526.6	34243.9	33775.3	31867.2	31288.6	30930.0	30667.0
50°	33000.6	33244.5	33799.2	34870.3	36567.9	36768.8	35052.1	34401.7	33961.8	33483.6
52.5°	32685.0	33120.1	33866.1	35668.9	38131.7	39169.4	38107.8	37538.7	37036.6	36257.1
55°	30824.8	31259.9	32785.4	35659.4	38911.1	40852.6	40996.1	40742.6	40178.4	38949.4
57.5°	26903.5	27549.1	29964.0	34444.7	38896.8	42301.6	43827.0	44008.7	43377.5	41617.7
60°	21471.2	22346.3	25292.0	31752.5	37696.5	43085.8	46308.9	47217.5	46548.0	44247.8
62.5°	14982.0	15995.8	18783.7	27534.8	34951.6	42521.5	48121.3	49799.7	49292.8	46600.6
65°	9138.4	9463.6	11711.1	21667.2	30284.4	40159.2	48680.8	51196.1	51028.7	48040.0
67.5°	6087.5	6360.1	7005.6	14857.7	23508.3	35439.4	47341.8	50952.2	51000.0	47805.6
70°	3667.8	3902.1	4322.9	8641.1	15235.4	28051.2	43195.8	47843.9	48121.3	44673.4
72.5°	1511.1	1668.9	2051.5	3916.5	7890.3	17803.4	34396.9	41077.4	41722.9	37562.6
75°	856.0	937.3	1205.1	1965.4	3423.9	8296.8	20835.2	29160.6	30112.2	25889.7
77.5°	569.1	607.3	779.5	1272.0	1927.1	2830.9	8904.1	15192.4	17009.6	14140.4
80°	382.6	416.0	535.6	851.2	1252.9	1214.6	2835.7	5628.4	6924.3	4858.5
82.5°	258.2	263.0	382.6	559.5	793.8	588.2	836.8	1750.2	2199.7	1405.9
85°	148.2	143.5	282.1	325.2	353.9	243.9	253.4	526.0	688.6	593.0
87.5°	19.1	28.7	110.0	86.1	47.8	52.6	52.6	90.9	133.9	143.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851677  
 CATALOG NUMBER: GLAN-SB9D-735-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8296.8	0°	8296.8	8296.8	8296.8	8296.8	8296.8	8296.8	8296.8	8296.8	8296.8	8296.8
8306.3	2.5°	8306.3	8301.6	8287.2	8272.9	8239.4	8220.3	8229.8	8220.3	8215.5	8220.3
8368.5	5°	8368.5	8354.2	8315.9	8268.1	8201.1	8119.8	8067.2	7990.7	7919.0	7876.0
8535.9	7.5°	8535.9	8521.5	8468.9	8335.0	8119.8	7780.3	7469.5	7196.9	6991.3	6871.7
8803.7	10°	8803.7	8779.8	8698.5	8402.0	7837.7	7096.5	6479.6	5967.9	5633.2	5475.4
9119.3	12.5°	9119.3	9090.6	8947.1	8339.8	7302.1	6144.9	5293.7	4724.6	4413.8	4275.1
9482.7	15°	9492.3	9454.0	9171.9	8043.3	6522.6	5092.8	4313.4	3887.8	3686.9	3562.6
9946.6	17.5°	9956.1	9889.2	9339.2	7598.6	5676.2	4289.5	3710.8	3390.4	3213.5	3094.0
10553.9	20°	10558.7	10448.7	9473.1	7067.8	4896.8	3782.6	3304.4	3036.6	2902.7	2797.5
11414.6	22.5°	11400.3	11242.5	9635.7	6494.0	4346.8	3433.5	3003.1	2807.0	2697.0	2577.5
12614.9	25°	12442.8	12256.3	9836.6	5963.2	3969.1	3132.2	2783.1	2620.5	2491.4	2352.7
14188.2	27.5°	13901.3	13566.5	10075.7	5528.0	3643.9	2874.0	2582.3	2400.6	2252.3	2137.6
15971.9	30°	15527.2	14977.2	10286.1	5265.0	3347.4	2634.9	2319.3	2137.6	1998.9	1917.6
17573.8	32.5°	17067.0	16321.0	10424.8	5150.2	3079.6	2362.3	2032.3	1836.3	1731.1	1707.2
19142.3	35°	18520.7	17535.6	10410.4	5040.2	2840.5	2089.7	1750.2	1549.4	1468.1	1482.4
20830.4	37.5°	20194.4	18831.5	10310.0	4868.1	2644.4	1841.1	1506.3	1329.4	1257.7	1262.4
22881.9	40°	22140.7	20328.3	10247.8	4542.9	2429.3	1611.5	1305.5	1162.0	1109.4	1090.3
25043.3	42.5°	24216.0	21777.2	10257.4	4174.7	2161.5	1405.9	1166.8	1047.3	999.4	985.1
27448.7	45°	26301.0	23159.2	10271.7	3792.1	1879.3	1248.1	1066.4	966.0	937.3	918.1
29887.5	47.5°	28261.6	24335.6	10003.9	3380.9	1602.0	1128.6	985.1	918.1	894.2	870.3
32335.9	50°	30088.3	25119.8	9358.4	2902.7	1382.0	1032.9	922.9	875.1	851.2	827.3
34554.7	52.5°	31508.6	25244.2	8292.0	2410.1	1229.0	961.2	884.7	841.6	812.9	789.0
36348.0	55°	32139.8	24464.7	6776.1	1951.1	1109.4	899.0	846.4	803.4	769.9	746.0
37758.7	57.5°	31977.2	22824.5	5284.1	1568.5	994.7	836.8	798.6	769.9	731.6	693.4
38901.6	60°	31178.6	20629.5	3983.4	1305.5	889.5	769.9	746.0	722.1	669.5	612.1
39341.5	62.5°	29796.6	17870.3	2840.5	1080.7	774.7	693.4	683.8	664.7	588.2	483.0
38691.2	65°	27683.0	14518.1	1912.8	899.0	664.7	607.3	612.1	578.6	478.2	358.6
36309.7	67.5°	24593.8	10616.0	1224.2	736.4	554.7	506.9	511.7	492.5	406.5	306.0
31795.5	70°	20658.2	7029.5	798.6	559.5	444.7	392.1	420.8	425.6	344.3	248.7
24402.5	72.5°	15144.6	4150.8	559.5	416.0	325.2	272.6	344.3	353.9	277.4	186.5
14680.7	75°	8631.5	1970.2	420.8	301.3	200.8	191.3	267.8	267.8	191.3	124.3
6355.3	77.5°	3624.8	822.5	296.5	196.1	114.8	110.0	181.7	167.4	95.6	57.4
1549.4	80°	1047.3	368.2	157.8	95.6	47.8	43.0	71.7	52.6	23.9	9.6
588.2	82.5°	411.3	162.6	62.2	38.3	19.1	19.1	9.6	0.0	0.0	0.0
334.7	85°	243.9	66.9	28.7	14.3	4.8	0.0	0.0	0.0	0.0	0.0
71.7	87.5°	62.2	14.3	9.6	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°
8296.8
8239.4
7885.5
6876.5
5461.0
4260.8
3567.4
3084.4
2778.3
2558.4
2338.4
2113.6
1903.2
1721.5
1482.4
1281.6
1085.5
980.3
918.1
870.3
827.3
784.2
741.2
688.6
602.5
473.4
349.1
291.7
239.1
176.9
114.8
57.4
9.6
0.0
0.0
0.0
0.0

F REPORT)