

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: P853074

Luminaire Tested: **GLAN-SB8C-735-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853074  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8C-735-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44994 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

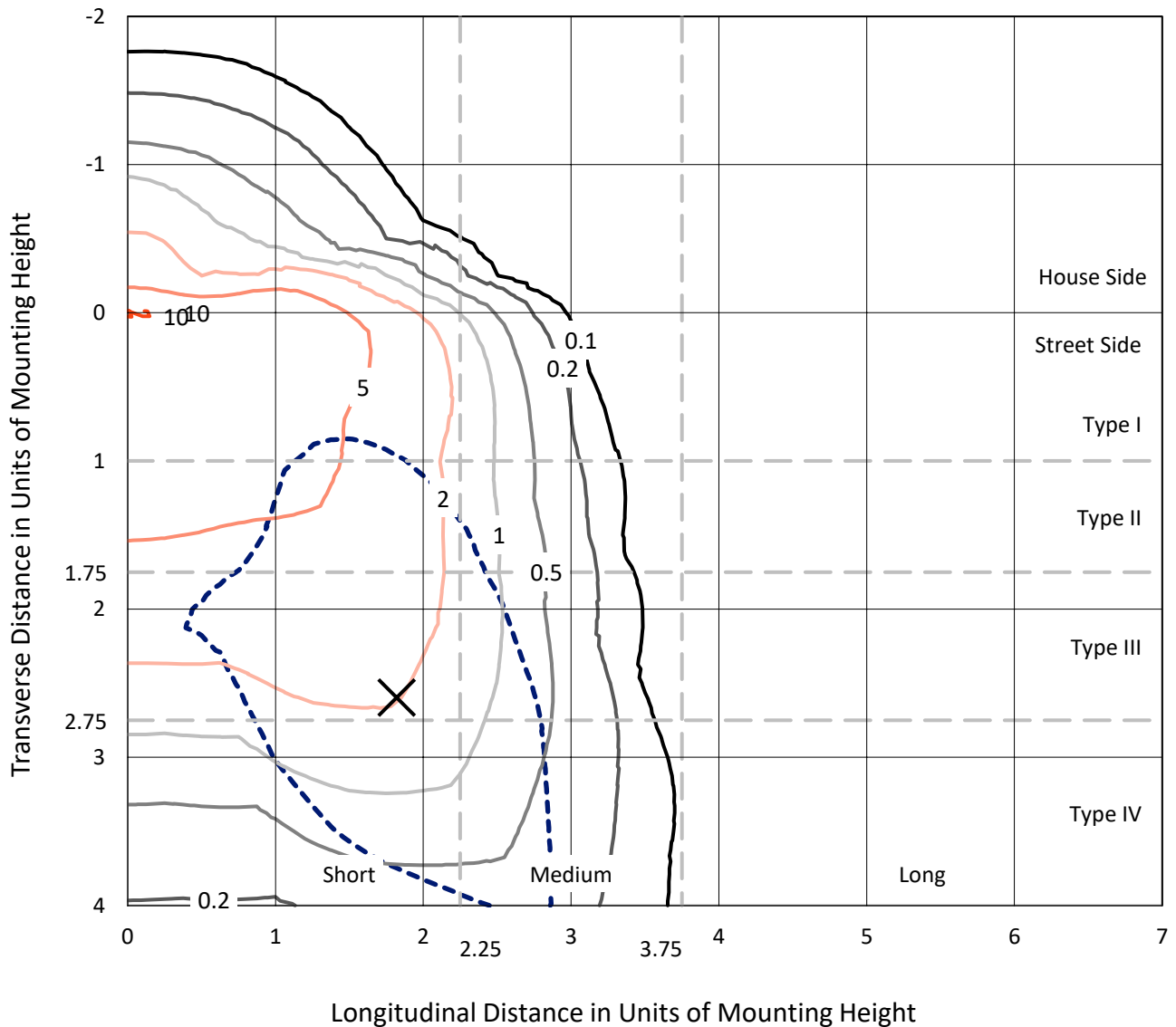
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P853074  
 CATALOG NUMBER: GLAN-SB8C-735-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

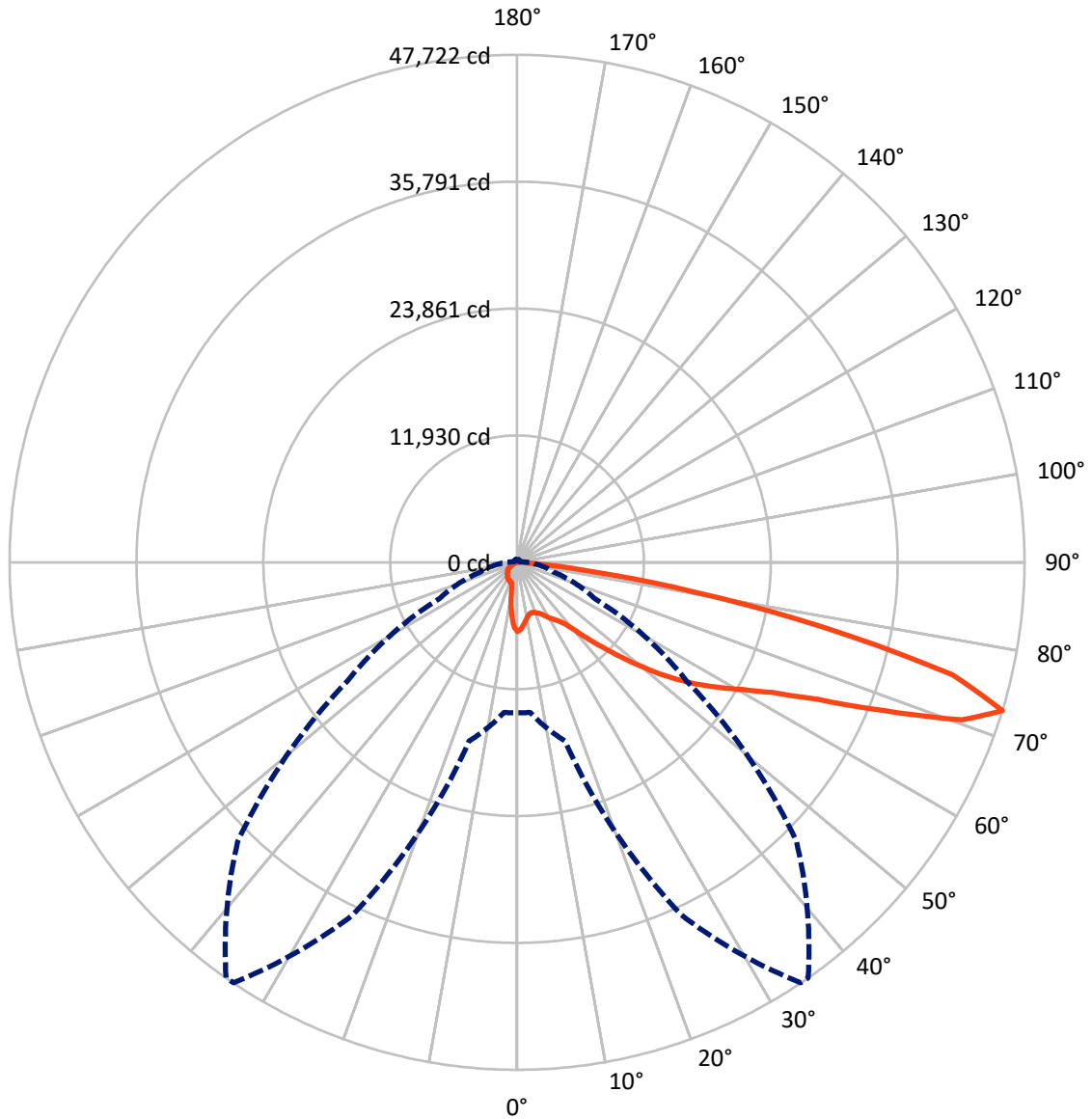
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc  
 Type IV - Short - N/A

REPORT NUMBER: P853074  
CATALOG NUMBER: GLAN-SB8C-735-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P853074  
 CATALOG NUMBER: GLAN-SB8C-735-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5063.9	0.0	5063.9
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	39930.1	0.0	39930.1
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	44994.0	0.0	44994.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	535.9	1.2
10°-20°	1253.6	2.8
20°-30°	2036.4	4.5
30°-40°	3397.8	7.6
40°-50°	6428.6	14.3
50°-60°	10215.1	22.7
60°-70°	12636.8	28.1
70°-80°	7855.1	17.5
80°-90°	634.8	1.4
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°	44994.0	100.0
0°-180°	44994.0	100.0

**Coefficient of Utilization**



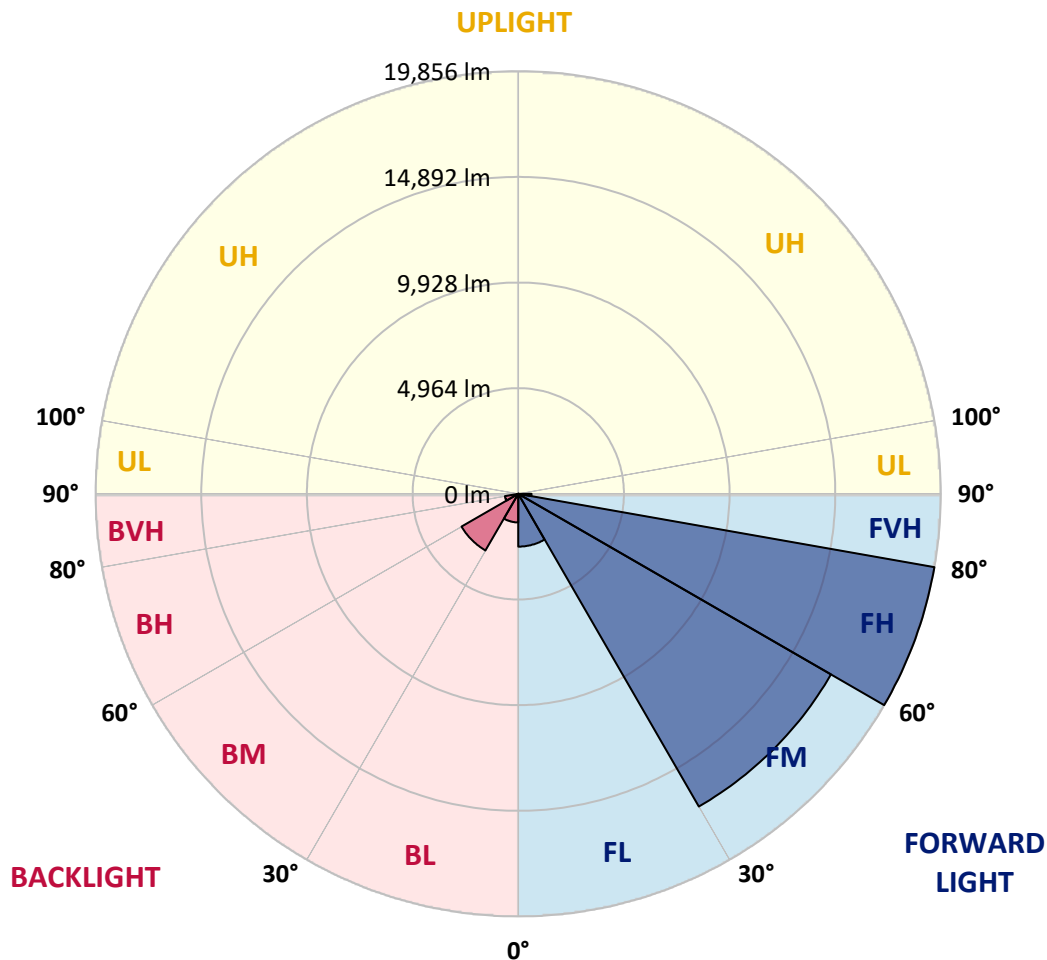
REPORT NUMBER: P853074  
 CATALOG NUMBER: GLAN-SB8C-735-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2480.3	5.5			
FM (30°-60°)	16967.2	37.7			
FH (60°-80°)	19856.4	44.1			G5
FVH (80°-90°)	626.2	1.4			G4/750
BL (0°-30°)	1345.6	3.0	B3/2500		
BM (30°-60°)	3074.2	6.8	B3/5000		
BH (60°-80°)	635.4	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.6	0.0			G0/10
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 Short



REPORT NUMBER: P853074  
 CATALOG NUMBER: GLAN-SB8C-735-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	6521.1	6521.1	6521.1	6521.1	6521.1	6521.1	6521.1	6521.1	6521.1	6521.1
2.5°	6231.0	6283.8	6293.7	6310.1	6310.1	6329.9	6362.9	6409.0	6484.9	6524.4
5°	5743.1	5782.6	5832.1	5871.7	5947.5	5957.4	6086.0	6211.2	6386.0	6517.8
7.5°	5251.9	5298.0	5364.0	5459.6	5558.5	5588.1	5782.6	5993.6	6270.6	6517.8
10°	4905.7	4909.0	4968.3	5063.9	5222.2	5258.5	5495.8	5795.8	6142.0	6478.3
12.5°	4711.2	4734.3	4760.6	4833.2	4984.8	5007.9	5261.7	5614.5	6013.4	6455.2
15°	4711.2	4727.7	4744.1	4780.4	4902.4	4922.2	5146.4	5499.1	5947.5	6465.1
17.5°	4760.6	4787.0	4773.8	4816.7	4945.3	4958.4	5156.2	5466.2	5944.2	6527.7
20°	4879.3	4899.1	4872.7	4899.1	5027.7	5054.0	5258.5	5528.8	6000.2	6636.5
22.5°	5067.2	5077.1	5014.5	5034.3	5166.1	5199.1	5436.5	5706.8	6135.4	6811.3
25°	5304.6	5324.4	5228.8	5251.9	5377.1	5416.7	5690.3	5973.9	6349.7	7051.9
27.5°	5578.2	5588.1	5505.7	5502.4	5664.0	5720.0	5996.9	6303.5	6636.5	7355.2
30°	5891.4	5921.1	5842.0	5828.8	6033.2	6079.4	6353.0	6709.1	7058.5	7810.2
32.5°	6138.7	6161.8	6115.6	6148.6	6356.3	6392.6	6784.9	7282.7	7721.2	8456.4
35°	6494.8	6508.0	6402.5	6461.8	6699.2	6791.5	7375.0	8087.1	8555.3	9267.4
37.5°	7783.8	7783.8	7335.5	7042.0	7269.5	7351.9	8182.7	9099.3	9583.9	10355.4
40°	9567.4	9537.7	8881.7	8281.6	8252.0	8413.5	9333.3	10375.1	10912.5	11660.9
42.5°	11469.7	11423.5	10530.1	9936.7	9837.8	9893.8	10662.0	11947.7	12495.0	13253.3
45°	13157.7	13144.5	12326.9	11529.0	11351.0	11529.0	12320.3	13787.4	14179.7	14977.5
47.5°	14572.0	14572.0	13975.3	13454.4	13362.1	13467.6	14565.4	15828.1	15791.8	16813.9
50°	16200.6	16187.5	15620.4	15396.2	15491.8	15640.2	17150.1	17977.6	17460.0	18617.2
52.5°	17341.4	17420.5	17226.0	17189.7	17677.6	17934.8	19774.4	20081.0	18953.5	20328.3
55°	18244.7	18337.0	18561.2	18815.0	19754.6	20090.9	22316.3	22075.6	20203.0	21811.9
57.5°	19523.9	19392.0	19738.1	20239.3	21759.1	22164.6	24779.0	23958.1	21208.5	23015.2
60°	21076.7	21096.4	21155.8	21788.8	23760.3	24281.2	27205.5	25738.4	21854.7	23753.7
62.5°	22942.7	22972.3	23094.3	24066.9	26447.2	26938.4	29790.2	27195.6	22151.4	23546.0
65°	22814.1	22939.4	24301.0	27627.5	30532.0	31016.6	32806.8	28217.6	21703.1	21647.0
67.5°	20783.2	20987.7	23265.8	31880.4	36690.5	37231.2	36453.1	28418.7	19767.8	16833.6
70°	18119.4	18191.9	20931.6	35704.7	43821.5	44368.8	39717.0	26206.5	15000.6	9389.4
72.5°	14150.0	14166.5	17380.9	36591.6	47692.0	47721.7	37155.3	19454.6	8067.4	3606.7
75°	10108.1	10009.2	11641.1	29674.8	41958.8	42295.1	27855.0	9125.6	3082.5	1704.5
77.5°	5420.0	5528.8	6587.1	17598.5	28985.8	29559.4	15198.4	2630.9	1569.3	1160.5
80°	1674.8	1767.1	2700.1	8057.5	16418.2	16764.4	5634.3	1170.4	1094.5	827.5
82.5°	527.5	547.3	1259.4	3385.8	6814.6	6972.8	1631.9	662.7	748.4	547.3
85°	151.7	155.0	560.5	1262.7	1684.7	1717.7	458.3	257.2	428.6	339.6
87.5°	16.5	52.7	211.0	211.0	148.4	145.1	49.5	56.0	122.0	42.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853074  
 CATALOG NUMBER: GLAN-SB8C-735-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6521.1	0°	6521.1	6521.1	6521.1	6521.1	6521.1	6521.1	6521.1	6521.1	6521.1	6521.1
6550.8	2.5°	6534.3	6537.6	6494.8	6422.2	6343.1	6277.2	6194.8	6128.8	6082.7	6069.5
6610.2	5°	6580.5	6557.4	6435.4	6214.5	5950.8	5723.3	5469.4	5268.3	5136.5	5080.4
6672.8	7.5°	6649.7	6583.8	6316.7	5881.6	5377.1	4928.8	4473.8	4121.0	3896.9	3784.8
6732.1	10°	6709.1	6577.2	6118.9	5400.2	4628.8	3949.6	3336.4	2911.1	2673.7	2561.6
6801.4	12.5°	6765.1	6573.9	5861.8	4829.9	3784.8	2954.0	2383.6	2172.6	2106.7	2083.6
6913.5	15°	6870.6	6583.8	5538.7	4177.1	2944.1	2232.0	2024.3	2021.0	2034.1	2027.6
7084.9	17.5°	7015.7	6593.7	5172.7	3484.8	2271.5	1968.2	1958.3	1988.0	2007.8	1997.9
7299.2	20°	7203.6	6633.2	4783.7	2799.0	1951.7	1902.3	1925.4	1951.7	1968.2	1951.7
7586.0	22.5°	7467.3	6702.5	4358.4	2248.4	1849.5	1862.7	1882.5	1912.2	1928.6	1905.6
7952.0	25°	7790.4	6811.3	3939.7	1955.0	1800.1	1816.6	1846.2	1879.2	1899.0	1875.9
8413.5	27.5°	8209.1	6986.0	3554.0	1889.1	1750.6	1760.5	1803.4	1852.8	1879.2	1849.5
9069.6	30°	8815.7	7272.8	3221.0	1918.8	1720.9	1697.9	1757.2	1826.4	1856.1	1829.7
9963.0	32.5°	9620.2	7678.3	3016.6	1964.9	1707.8	1625.3	1681.4	1770.4	1819.9	1803.4
11130.1	35°	10675.2	8294.8	2937.5	2017.7	1697.9	1549.5	1589.1	1684.7	1770.4	1786.9
12600.5	37.5°	11954.3	9152.0	2960.6	2040.7	1668.2	1486.9	1506.7	1589.1	1701.2	1753.9
14255.5	40°	13408.2	10151.0	3092.4	2017.7	1635.2	1434.1	1437.4	1500.1	1599.0	1678.1
16035.8	42.5°	14908.3	11318.0	3336.4	1931.9	1605.6	1388.0	1378.1	1420.9	1486.9	1542.9
17812.8	45°	16335.8	12518.1	3577.1	1813.3	1569.3	1341.8	1318.7	1335.2	1348.4	1371.5
19543.6	47.5°	17582.0	13362.1	3507.8	1704.5	1519.8	1289.1	1249.5	1242.9	1203.3	1200.0
21089.9	50°	18442.5	13546.7	3115.5	1595.7	1447.3	1229.7	1167.1	1127.5	1058.3	1025.3
22247.0	52.5°	18716.1	12818.1	2545.2	1486.9	1328.6	1150.6	1061.6	998.9	913.2	883.6
22913.0	55°	18353.5	11390.6	2034.1	1355.0	1163.8	1045.1	946.2	863.8	794.5	758.3
22985.5	57.5°	17466.6	9574.0	1608.9	1200.0	989.1	926.4	827.5	745.1	685.7	649.5
22181.1	60°	15996.2	7602.5	1272.6	1015.4	844.0	797.8	695.6	642.9	590.1	547.3
20104.1	62.5°	13764.3	5426.6	998.9	804.4	705.5	652.8	593.4	553.9	491.2	431.9
16368.8	65°	10741.1	3319.9	771.5	590.1	567.1	540.7	504.4	468.2	392.3	333.0
10678.4	67.5°	6775.0	1572.6	550.6	445.1	448.4	435.2	418.7	389.0	333.0	280.2
4783.7	70°	2983.6	761.6	362.7	339.6	333.0	333.0	346.2	336.3	283.5	234.1
1661.6	72.5°	1015.4	408.8	270.3	257.2	240.7	237.4	290.1	280.2	227.5	181.3
827.5	75°	530.8	273.6	197.8	184.6	145.1	174.7	230.8	217.6	161.5	118.7
547.3	77.5°	346.2	194.5	135.2	118.7	82.4	115.4	171.4	151.7	95.6	59.3
359.4	80°	217.6	128.6	79.1	56.0	39.6	62.6	92.3	65.9	36.3	13.2
211.0	82.5°	115.4	65.9	29.7	19.8	16.5	19.8	23.1	16.5	6.6	0.0
108.8	85°	46.2	23.1	9.9	6.6	3.3	0.0	6.6	3.3	0.0	0.0
19.8	87.5°	16.5	3.3	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°
6521.1
6092.6
5100.2
3801.3
2564.9
2077.0
2024.3
1994.6
1948.4
1902.3
1872.6
1849.5
1826.4
1803.4
1786.9
1767.1
1704.5
1566.0
1384.7
1196.8
1028.6
880.3
758.3
642.9
537.4
422.0
323.1
273.6
224.2
171.4
108.8
52.7
9.9
0.0
0.0
0.0
0.0

F REPORT)