

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: P850218

Luminaire Tested: **GLAN-SB7C-840-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850218  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-840-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

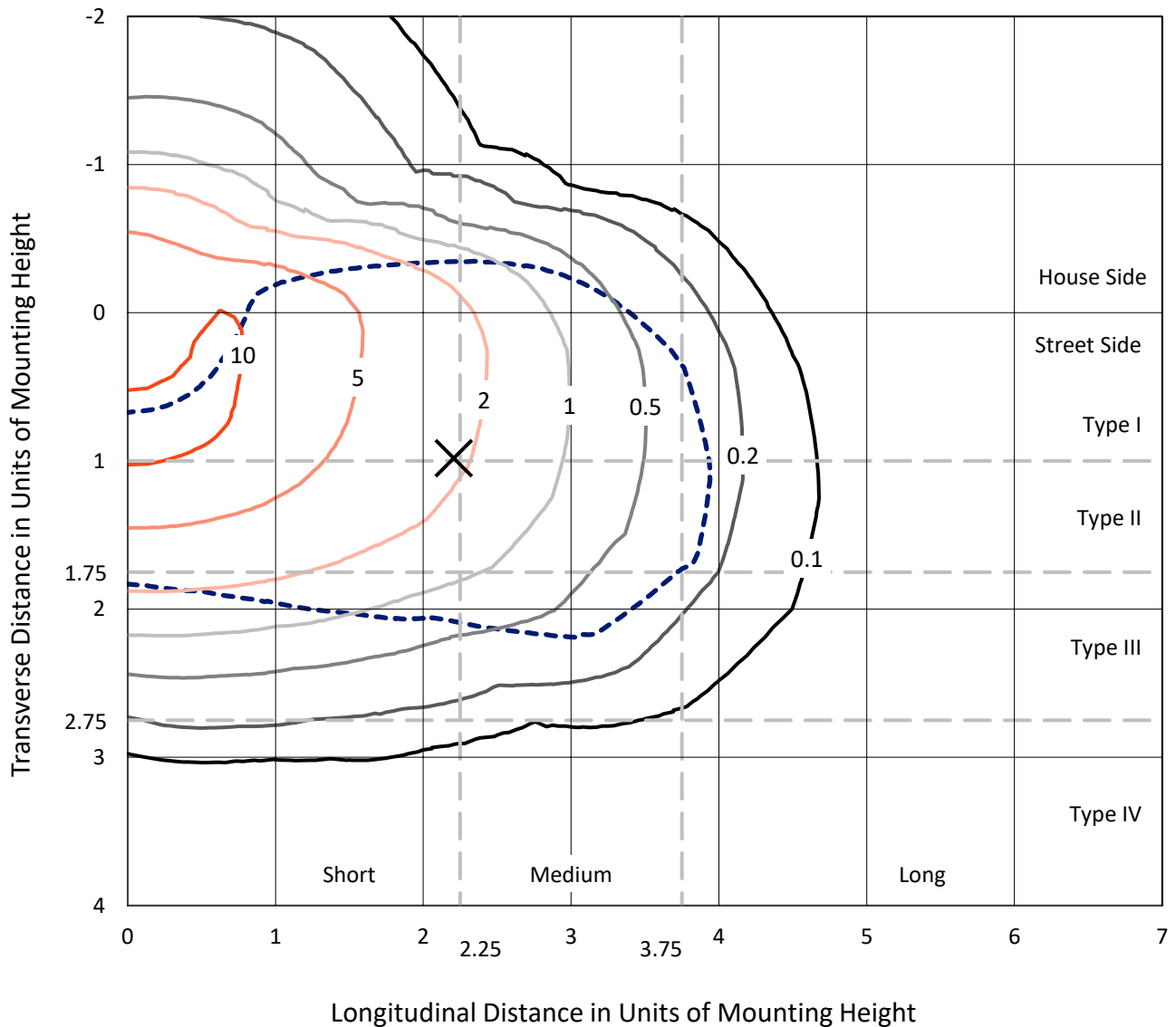
Lumens per Lamp: N/A  
Luminaire Lumens: 47397 lumens  
Efficiency: N/A  
Efficacy: 135.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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: P850218  
 CATALOG NUMBER: GLAN-SB7C-840-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

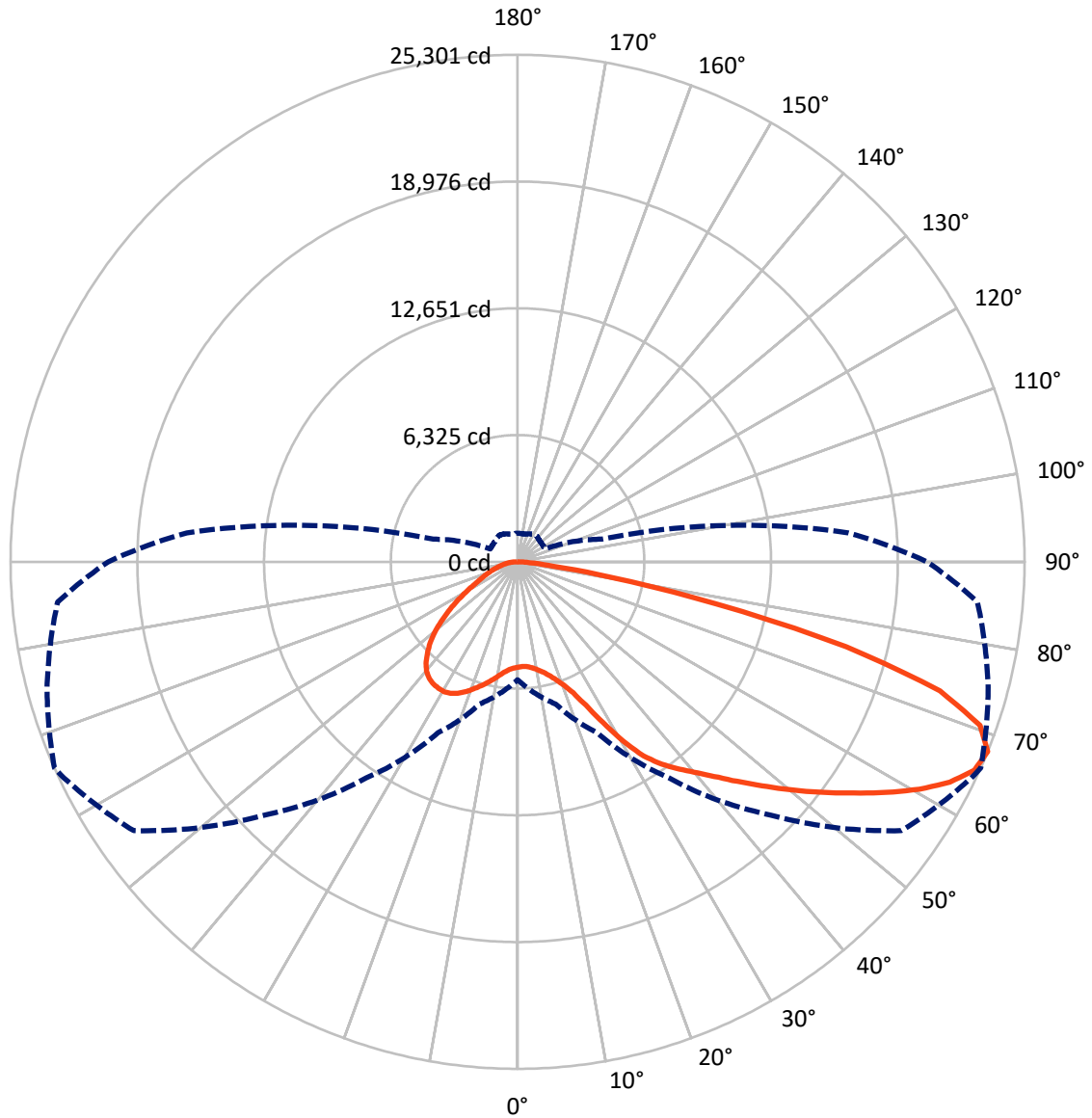
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P850218  
CATALOG NUMBER: GLAN-SB7C-840-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P850218  
 CATALOG NUMBER: GLAN-SB7C-840-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11785.1	0.0	11785.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	35611.9	0.0	35611.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	47397.0	0.0	47397.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	521.2	1.1
10°-20°	1722.0	3.6
20°-30°	3319.1	7.0
30°-40°	5819.5	12.3
40°-50°	8651.7	18.3
50°-60°	10966.9	23.1
60°-70°	10730.8	22.6
70°-80°	5118.7	10.8
80°-90°	547.1	1.2
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°	47397.0	100.0
0°-180°	47397.0	100.0

**Coefficient of Utilization**

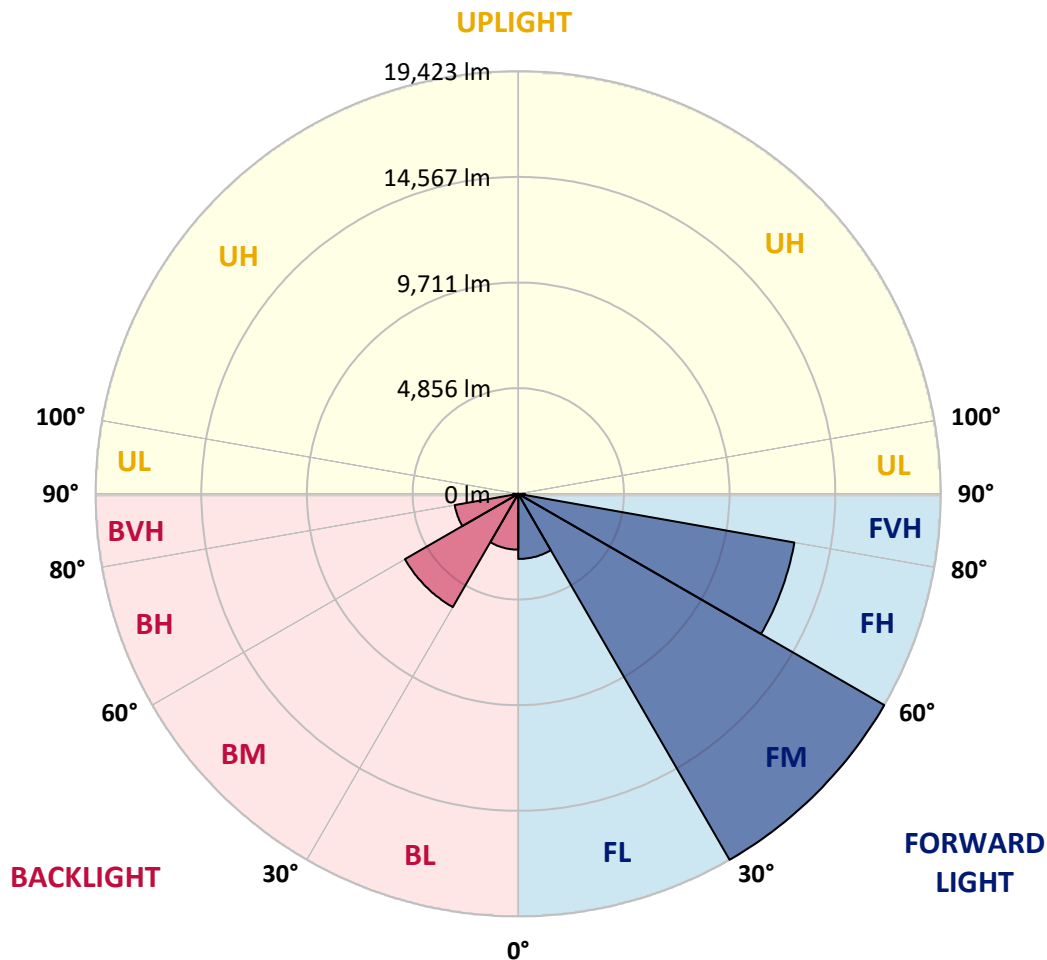


REPORT NUMBER: P850218  
 CATALOG NUMBER: GLAN-SB7C-840-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2995.0	6.3			
FM (30°-60°)	19422.9	41.0			
FH (60°-80°)	12883.8	27.2			G5
FVH (80°-90°)	310.2	0.7			G3/500
BL (0°-30°)	2567.2	5.4	B4/5000		
BM (30°-60°)	6015.3	12.7	B4/8500		
BH (60°-80°)	2965.8	6.3	B4/5000		G4/5000
BVH (80°-90°)	236.9	0.5			G3/500
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: P850218  
 CATALOG NUMBER: GLAN-SB7C-840-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	5257.0	5257.0	5257.0	5257.0	5257.0	5257.0	5257.0	5257.0	5257.0	5257.0
2.5°	5202.2	5232.1	5224.6	5212.1	5209.6	5214.6	5222.1	5229.6	5227.1	5239.5
5°	5187.2	5217.1	5214.6	5214.6	5224.6	5244.5	5257.0	5269.4	5257.0	5271.9
7.5°	5197.2	5219.6	5229.6	5239.5	5264.4	5301.8	5331.7	5359.1	5344.1	5361.5
10°	5324.2	5341.6	5351.6	5351.6	5369.0	5411.4	5441.2	5491.0	5478.6	5506.0
12.5°	5555.8	5573.2	5573.2	5563.3	5575.7	5603.1	5613.1	5667.8	5645.4	5690.3
15°	5839.7	5874.5	5847.1	5829.7	5834.7	5862.1	5859.6	5901.9	5879.5	5916.9
17.5°	6153.4	6198.3	6153.4	6151.0	6141.0	6170.9	6173.4	6210.7	6170.9	6198.3
20°	6524.5	6586.8	6549.4	6561.9	6539.4	6551.9	6564.3	6619.1	6556.9	6576.8
22.5°	7047.5	7122.2	7082.3	7129.6	7114.7	7104.7	7102.2	7199.4	7102.2	7109.7
25°	7809.5	7899.1	7829.4	7894.1	7894.1	7926.5	7963.9	8088.4	7926.5	7879.2
27.5°	8935.1	9024.7	8887.8	8927.6	8915.2	8994.8	8955.0	9263.8	9089.5	9012.3
30°	10289.8	10449.2	10190.2	10180.2	10167.8	10294.8	10352.0	10556.2	10379.4	10302.2
32.5°	11754.1	11920.9	11612.1	11522.5	11475.2	11552.3	11505.0	11669.4	11547.4	11427.8
35°	13303.0	13467.4	13173.5	12999.2	12809.9	12648.1	12478.7	12521.1	12406.5	12224.7
37.5°	14767.3	15068.6	14757.3	14570.6	14221.9	13905.7	13432.5	13235.8	13128.7	12961.8
40°	16259.0	16430.8	16194.2	16034.8	15656.3	15160.7	14403.7	13987.8	13843.4	13681.5
42.5°	17357.2	17521.5	17394.5	17284.9	16988.6	16413.3	15434.7	14914.2	14705.0	14523.2
45°	18228.8	18350.8	18271.1	18310.9	18183.9	17626.1	16503.0	15907.8	15691.2	15469.5
47.5°	18579.9	18709.4	18836.4	19073.0	19289.6	18878.7	17651.0	16983.6	16754.5	16527.9
50°	18540.0	18672.0	19040.6	19543.6	20216.0	20079.0	18861.3	18129.1	17917.5	17658.5
52.5°	18221.3	18370.7	18843.9	19680.6	20751.4	20978.0	20094.0	19312.0	19112.8	18804.0
55°	17384.6	17474.2	18183.9	19369.3	20878.4	21605.6	21301.7	20572.1	20372.9	19942.1
57.5°	15833.1	15962.6	16996.1	18530.1	20559.6	22031.4	22362.6	21896.9	21705.2	21085.1
60°	13808.5	14015.2	15198.1	17120.6	19747.8	22028.9	23326.3	23199.3	23040.0	22210.7
62.5°	11517.5	11756.6	12894.6	15128.4	18328.4	21403.8	23929.0	24290.1	24207.9	23249.1
65°	8845.4	9009.8	10142.9	12550.9	16119.5	20061.6	23998.7	25034.7	25049.6	24038.5
67.5°	5889.5	6362.6	7346.3	9418.2	13161.1	17867.7	23386.1	25156.7	25301.1	24310.0
70°	2873.8	3496.3	4460.1	6121.1	9418.2	14503.3	21784.9	24155.6	24476.8	23518.1
72.5°	1192.8	1394.5	1920.0	3020.7	5406.4	9786.7	18567.4	21441.2	22036.4	20838.6
75°	804.4	871.6	1098.2	1548.9	2462.9	4826.1	13390.2	15987.5	16946.3	15738.5
77.5°	620.1	662.4	799.4	1083.3	1464.3	1825.4	7167.0	9634.8	10130.4	9378.3
80°	488.1	520.5	597.7	789.4	1038.4	976.2	2443.0	4365.4	4651.8	3902.2
82.5°	423.3	435.8	428.3	535.4	689.8	570.3	801.9	1611.2	1778.1	1290.0
85°	306.3	341.2	356.1	331.2	366.1	288.9	328.7	570.3	627.5	560.3
87.5°	124.5	184.3	226.6	214.2	134.5	82.2	102.1	166.8	191.8	209.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850218  
 CATALOG NUMBER: GLAN-SB7C-840-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5257.0	0°	5257.0	5257.0	5257.0	5257.0	5257.0	5257.0	5257.0	5257.0	5257.0	5257.0
5259.4	2.5°	5261.9	5279.4	5291.8	5306.8	5316.7	5331.7	5361.5	5379.0	5381.5	5393.9
5299.3	5°	5309.2	5334.2	5361.5	5401.4	5446.2	5483.6	5540.8	5580.7	5595.6	5608.1
5396.4	7.5°	5411.4	5446.2	5496.0	5565.7	5630.5	5680.3	5750.0	5797.3	5844.7	5862.1
5550.8	10°	5563.3	5613.1	5685.3	5779.9	5849.6	5914.4	5986.6	6026.4	6073.8	6093.7
5735.1	12.5°	5752.5	5804.8	5899.4	6031.4	6096.2	6141.0	6165.9	6155.9	6165.9	6183.3
5956.7	15°	5969.2	6026.4	6133.5	6275.5	6320.3	6280.5	6225.7	6175.9	6168.4	6173.4
6225.7	17.5°	6225.7	6268.0	6392.5	6512.0	6479.7	6315.3	6195.8	6116.1	6076.3	6063.8
6569.3	20°	6584.3	6584.3	6686.4	6761.1	6544.4	6265.5	6078.7	5949.2	5867.1	5832.2
7037.5	22.5°	7020.1	6980.2	7045.0	6992.7	6532.0	6126.1	5867.1	5642.9	5518.4	5468.6
7692.4	25°	7572.9	7525.6	7508.2	7184.4	6442.3	5904.4	5483.6	5212.1	5102.6	5075.2
8636.2	27.5°	8407.1	8287.6	8061.0	7289.0	6278.0	5555.8	5035.3	4783.8	4721.5	4724.0
9849.0	30°	9517.8	9278.7	8723.4	7306.4	6009.0	5062.7	4577.1	4397.8	4367.9	4380.4
10867.5	32.5°	10546.3	10319.7	9400.8	7226.8	5595.6	4579.6	4166.2	4046.7	4001.9	4016.8
11644.5	35°	11353.1	11290.9	10028.3	7114.7	5087.6	4126.4	3797.7	3695.6	3608.4	3588.5
12376.6	37.5°	12115.1	12090.2	10499.0	6957.8	4584.6	3805.1	3501.3	3366.8	3239.8	3170.1
13186.0	40°	12951.9	12927.0	10807.8	6716.3	4138.8	3526.2	3234.9	3058.0	2901.2	2774.2
14102.4	42.5°	13893.2	13746.3	10954.7	6370.1	3760.3	3289.6	3018.2	2779.1	2572.4	2455.4
15138.3	45°	14921.7	14590.5	10952.2	5929.3	3441.5	3073.0	2786.6	2447.9	2256.2	2146.6
16201.7	47.5°	16012.4	15397.3	10817.7	5441.2	3132.8	2833.9	2428.0	2169.0	2042.0	1974.8
17357.2	50°	17138.0	16151.9	10588.6	4880.9	2816.5	2562.5	2203.9	2027.1	1930.0	1867.7
18502.7	52.5°	18196.4	16836.7	10312.2	4245.9	2495.2	2298.5	2104.3	1967.3	1865.2	1795.5
19613.3	55°	19180.0	17426.9	9921.2	3595.9	2233.8	2121.7	2057.0	1942.4	1825.4	1743.2
20741.4	57.5°	20054.1	17810.4	9246.4	2985.8	2047.0	1999.7	2007.2	1900.1	1765.6	1695.9
21852.1	60°	20781.3	18091.8	8247.8	2420.5	1895.1	1880.2	1930.0	1820.4	1663.5	1583.8
22790.9	62.5°	21217.1	18086.8	7022.6	1982.3	1765.6	1770.6	1827.9	1720.8	1561.4	1486.7
23281.5	65°	21179.7	17643.5	5677.8	1695.9	1641.1	1646.1	1720.8	1611.2	1476.7	1431.9
23035.0	67.5°	20430.2	16562.8	4355.5	1509.1	1504.1	1526.5	1613.7	1536.5	1424.4	1419.5
21565.7	70°	18400.6	14319.0	3137.7	1359.7	1362.2	1394.5	1509.1	1489.2	1397.0	1407.0
18131.6	72.5°	14754.8	10917.3	2106.8	1202.8	1205.3	1257.6	1409.5	1451.8	1369.6	1501.6
12864.7	75°	9826.6	6808.4	1354.7	1036.0	1038.4	1105.7	1322.3	1379.6	1294.9	1496.7
6693.8	77.5°	4721.5	3060.5	981.2	871.6	871.6	933.9	1143.0	1235.2	1103.2	1163.0
2151.6	80°	1631.1	1150.5	772.0	702.3	687.3	729.6	963.7	1070.8	951.3	876.6
702.3	82.5°	642.5	597.7	620.1	545.4	495.6	523.0	749.6	884.0	699.8	632.5
396.0	85°	368.6	388.5	438.3	361.1	286.4	321.2	550.3	635.0	527.9	465.7
129.5	87.5°	99.6	137.0	201.7	186.8	129.5	137.0	261.5	351.1	303.8	234.1
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°
5257.0
5391.4
5605.6
5864.6
6103.6
6188.3
6190.8
6081.2
5824.7
5461.2
5080.1
4731.5
4422.7
4036.7
3603.4
3172.6
2786.6
2462.9
2141.6
1959.8
1845.3
1765.6
1710.8
1651.0
1548.9
1464.3
1429.4
1426.9
1404.5
1521.6
1509.1
1065.8
821.8
630.0
475.6
241.6
0.0

F REPORT)