

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: P850215

Luminaire Tested: **GLAN-SB7C-840-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850215  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-840-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34587 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

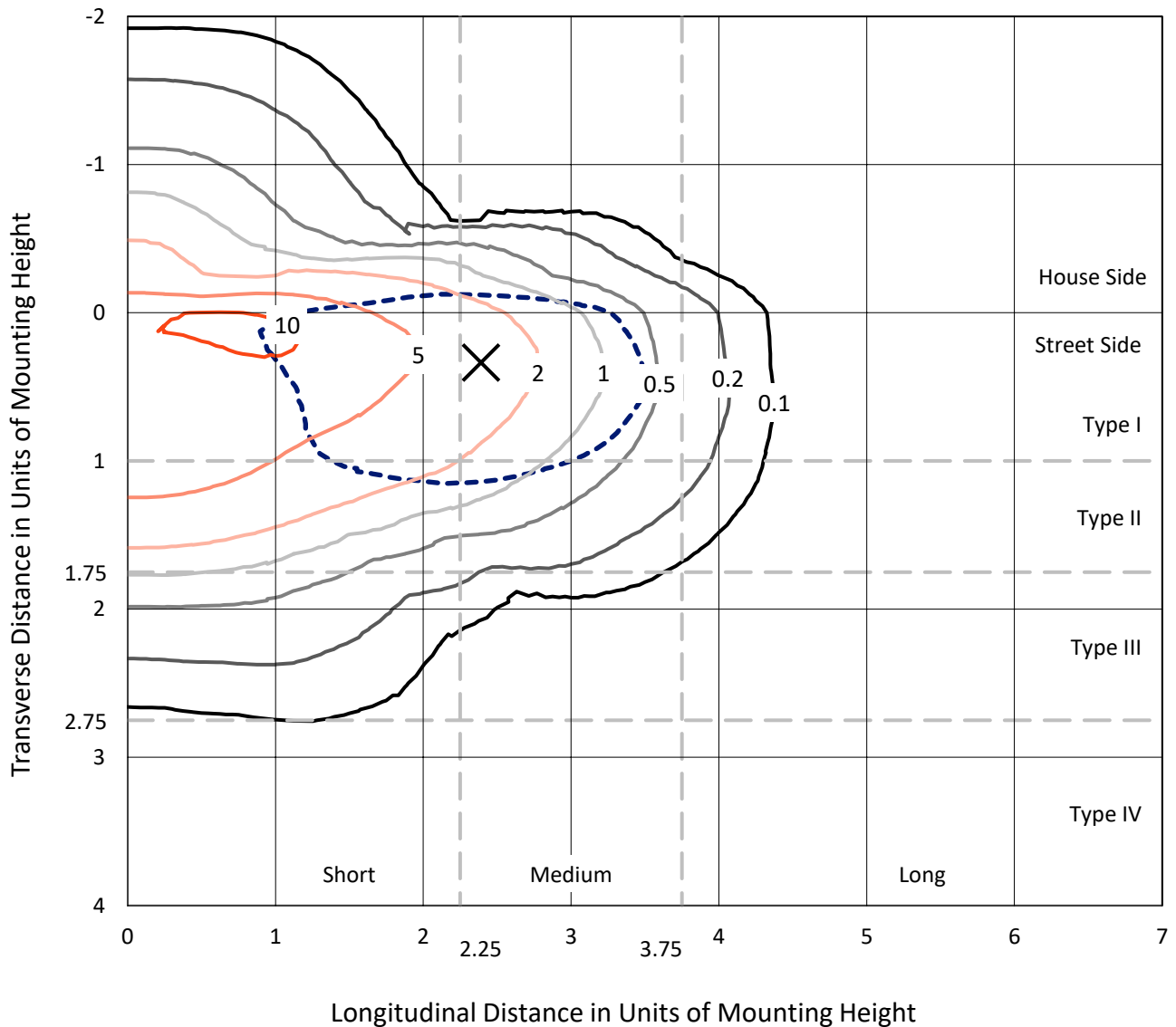
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P850215  
 CATALOG NUMBER: GLAN-SB7C-840-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

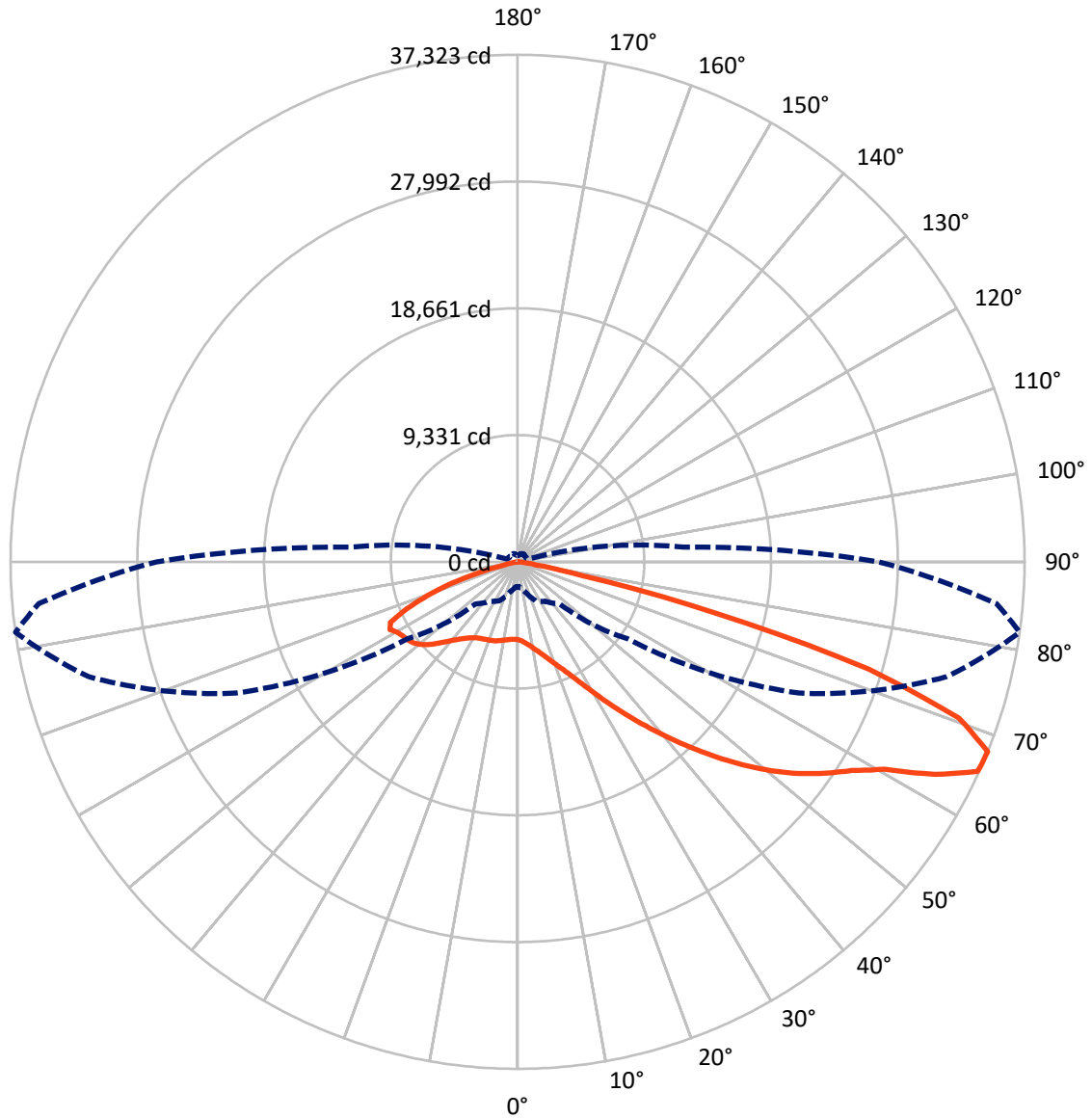
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc  
 Type II - Medium - N/A

REPORT NUMBER: P850215  
CATALOG NUMBER: GLAN-SB7C-840-U-T2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P850215  
 CATALOG NUMBER: GLAN-SB7C-840-U-T2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6265.1	0.0	6265.1
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	28321.9	0.0	28321.9
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	34587.0	0.0	34587.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	510.5	1.5
10°-20°	1326.6	3.8
20°-30°	2124.7	6.1
30°-40°	3757.2	10.9
40°-50°	6582.9	19.0
50°-60°	8779.8	25.4
60°-70°	8173.5	23.6
70°-80°	3137.0	9.1
80°-90°	194.8	0.6
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°	34587.0	100.0
0°-180°	34587.0	100.0

**Coefficient of Utilization**

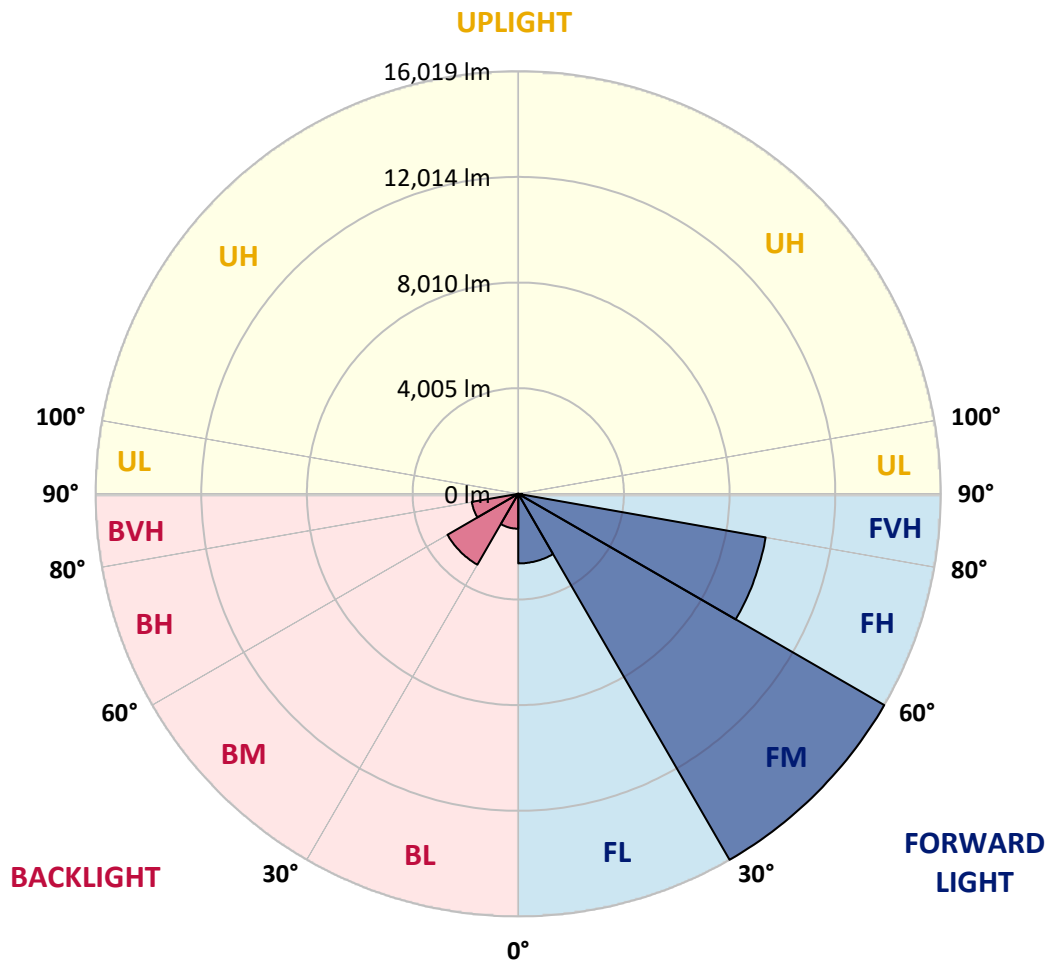


REPORT NUMBER: P850215  
 CATALOG NUMBER: GLAN-SB7C-840-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2638.6	7.6			
FM (30°-60°)	16019.3	46.3			
FH (60°-80°)	9522.3	27.5			G4/12000
FVH (80°-90°)	141.7	0.4			G2/225
BL (0°-30°)	1323.2	3.8	B3/2500		
BM (30°-60°)	3100.6	9.0	B3/5000		
BH (60°-80°)	1788.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	53.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type II Medium



REPORT NUMBER: P850215  
 CATALOG NUMBER: GLAN-SB7C-840-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5729.9	5729.9	5729.9	5729.9	5729.9	5729.9	5729.9	5729.9	5729.9	5729.9
2.5°	6056.1	6091.0	6071.0	6061.1	6043.7	6018.8	5998.8	5936.6	5871.8	5829.5
5°	6178.1	6213.0	6210.5	6220.5	6232.9	6240.4	6235.4	6165.7	6073.5	6001.3
7.5°	6073.5	6113.4	6145.8	6195.6	6282.7	6374.9	6419.7	6404.7	6310.1	6210.5
10°	5777.2	5819.5	5896.7	6013.8	6198.0	6397.3	6564.1	6641.3	6581.5	6472.0
12.5°	5234.4	5276.7	5428.6	5682.6	5991.4	6337.5	6656.2	6862.9	6877.9	6768.3
15°	4624.3	4666.6	4828.5	5147.2	5617.8	6173.1	6706.0	7097.0	7229.0	7134.4
17.5°	4245.8	4283.1	4405.1	4661.6	5152.2	5844.4	6688.6	7346.0	7647.3	7572.6
20°	4131.2	4163.6	4220.8	4400.1	4808.5	5503.3	6574.1	7580.1	8098.1	8055.7
22.5°	4253.2	4283.1	4300.5	4380.2	4636.7	5279.2	6429.6	7819.2	8621.0	8626.0
25°	4534.6	4564.5	4544.6	4594.4	4706.4	5209.4	6374.9	8100.5	9278.4	9333.2
27.5°	4997.8	5000.3	4953.0	4950.5	4967.9	5314.0	6432.1	8401.9	10107.6	10209.7
30°	5926.6	5889.3	5707.5	5510.8	5421.1	5627.8	6591.5	8757.9	11086.3	11268.0
32.5°	7358.5	7303.7	6970.0	6499.4	6026.2	6133.3	6877.9	9163.8	12152.1	12480.8
35°	8912.3	8897.4	8548.8	7849.0	7022.3	6853.0	7343.5	9696.7	13315.0	13837.9
37.5°	10356.6	10349.2	10150.0	9325.7	8319.7	7856.5	8090.6	10394.0	14560.1	15317.1
40°	11676.4	11698.8	11499.6	10762.5	9749.0	9143.9	9106.6	11255.6	15944.6	16928.2
42.5°	12816.9	12841.8	12640.1	12094.8	11161.0	10568.3	10354.2	12311.4	17296.8	18658.9
45°	13591.4	13745.8	13715.9	13280.1	12610.3	11995.2	11853.2	13636.2	18838.2	20494.2
47.5°	13810.5	13952.5	14176.6	14236.3	13827.9	13222.8	13392.2	15232.4	20397.0	22331.9
50°	13270.1	13402.1	13867.8	14487.8	14771.7	14585.0	14888.8	16943.2	21993.2	24164.7
52.5°	12204.4	12338.8	12926.5	13907.6	15065.6	15653.2	16390.3	18629.0	23539.6	25900.3
55°	10662.9	10804.9	11559.4	12670.0	14505.3	16094.0	17642.9	20312.4	24956.5	27461.7
57.5°	8566.2	8670.8	9455.2	11009.1	13095.8	15655.7	18566.8	22150.1	26291.3	28995.6
60°	5583.0	5675.1	6586.5	8319.7	10760.1	14191.5	18751.0	24199.5	28064.3	30990.2
62.5°	3712.9	3775.1	4315.5	5588.0	7577.6	11380.1	17672.8	25835.6	30664.0	34461.5
65°	2547.5	2609.7	3150.1	4036.6	4895.7	7527.8	14572.5	25618.9	33019.7	37218.2
67.5°	1817.8	1870.1	2328.3	3165.0	3543.5	4372.7	9878.5	22849.9	32681.1	37322.8
70°	1302.4	1332.2	1710.8	2465.3	2816.4	2627.1	5493.3	17476.1	28614.6	34464.0
72.5°	911.4	921.4	1187.8	1877.6	2268.6	1917.4	2614.7	11651.5	21642.1	27050.8
75°	617.6	630.0	799.3	1377.1	1820.3	1464.2	1384.5	6247.9	12704.9	14973.4
77.5°	378.5	383.5	515.5	941.3	1362.1	1115.6	891.5	2647.1	4915.6	4826.0
80°	214.2	214.2	328.7	585.2	928.8	719.7	625.0	1125.6	1556.4	1367.1
82.5°	119.5	122.0	239.1	363.6	615.1	425.8	343.6	520.4	672.3	595.2
85°	49.8	54.8	146.9	171.8	293.8	211.7	139.4	219.1	249.0	221.6
87.5°	5.0	7.5	44.8	32.4	34.9	42.3	19.9	42.3	34.9	34.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850215  
 CATALOG NUMBER: GLAN-SB7C-840-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5729.9	0°	5729.9	5729.9	5729.9	5729.9	5729.9	5729.9	5729.9	5729.9	5729.9	5729.9
5814.6	2.5°	5767.2	5729.9	5635.3	5525.7	5381.3	5311.5	5216.9	5152.2	5097.4	5102.4
5959.0	5°	5879.3	5784.7	5573.0	5309.1	4980.4	4746.3	4497.3	4325.4	4186.0	4156.1
6158.2	7.5°	6033.7	5884.3	5513.3	5037.6	4482.3	4061.5	3685.5	3443.9	3272.1	3217.3
6399.8	10°	6232.9	6016.3	5436.1	4696.5	3897.1	3361.7	2958.3	2769.1	2652.0	2612.2
6683.6	12.5°	6464.5	6168.2	5334.0	4280.6	3294.5	2779.0	2522.5	2427.9	2390.6	2378.1
7032.3	15°	6755.8	6357.4	5179.6	3787.6	2784.0	2422.9	2313.4	2300.9	2305.9	2300.9
7450.6	17.5°	7102.0	6564.1	4928.1	3279.6	2440.4	2241.2	2201.3	2211.3	2223.7	2221.2
7918.8	20°	7480.5	6768.3	4606.8	2828.8	2206.3	2111.7	2089.3	2099.2	2109.2	2104.2
8459.1	22.5°	7911.3	6987.4	4250.7	2477.7	2049.4	1992.1	1967.2	1969.7	1969.7	1959.8
9143.9	25°	8426.8	7229.0	3877.2	2228.7	1929.9	1885.1	1855.2	1845.2	1830.3	1800.4
9975.6	27.5°	9041.8	7485.5	3518.6	2054.4	1835.3	1792.9	1758.1	1733.2	1695.8	1646.0
10974.2	30°	9734.1	7796.7	3214.8	1944.8	1760.6	1718.2	1678.4	1641.0	1586.2	1524.0
12122.2	32.5°	10548.4	8130.4	2993.2	1872.6	1693.3	1648.5	1601.2	1556.4	1496.6	1434.3
13412.1	35°	11519.6	8533.8	2863.7	1822.8	1641.0	1581.3	1529.0	1479.2	1434.3	1379.6
14814.1	37.5°	12572.9	8962.1	2823.9	1797.9	1606.2	1514.0	1454.3	1419.4	1414.4	1382.0
16330.6	40°	13725.9	9470.1	2853.7	1783.0	1568.8	1449.3	1384.5	1377.1	1389.5	1332.2
17951.7	42.5°	14946.0	10072.8	2903.5	1765.5	1516.5	1384.5	1322.3	1322.3	1312.3	1232.6
19664.9	45°	16265.8	10767.5	2953.3	1723.2	1454.3	1319.8	1272.5	1255.0	1212.7	1135.5
21388.1	47.5°	17595.6	11474.7	2990.7	1646.0	1379.6	1265.0	1222.7	1182.8	1120.6	1050.9
23079.0	50°	18858.1	12109.7	2950.9	1531.5	1294.9	1212.7	1167.9	1113.1	1045.9	998.6
24680.1	52.5°	19986.2	12660.1	2781.5	1397.0	1205.2	1157.9	1118.1	1060.8	1006.0	956.2
26124.4	55°	20967.3	13105.8	2482.7	1270.0	1125.6	1110.6	1070.8	998.6	923.9	881.5
27556.3	57.5°	21908.6	13444.5	2109.2	1165.4	1053.3	1058.3	998.6	933.8	864.1	819.3
29486.2	60°	23161.1	13897.7	1730.7	1068.3	976.1	991.1	926.3	879.0	791.9	734.6
32795.6	62.5°	25163.2	14602.4	1374.6	948.8	886.5	891.5	864.1	806.8	702.2	635.0
35248.4	65°	26752.0	14343.4	1083.2	819.3	784.4	791.9	791.9	729.6	617.6	540.4
35380.4	67.5°	26572.7	12281.5	864.1	692.3	687.3	692.3	709.7	657.4	547.8	485.6
32686.1	70°	24478.4	9769.0	692.3	575.2	597.6	585.2	635.0	600.1	493.1	430.8
25340.0	72.5°	19973.7	7037.2	527.9	475.6	458.2	478.1	572.7	540.4	410.9	341.2
13422.0	75°	11671.5	3755.2	393.4	376.0	331.2	398.4	508.0	460.7	313.8	251.5
4113.8	77.5°	3800.0	1309.8	288.9	276.4	246.5	321.2	433.3	388.5	256.5	199.2
1205.2	80°	1018.5	395.9	196.7	181.8	159.4	239.1	343.6	308.8	184.3	129.5
518.0	82.5°	408.4	166.8	114.5	102.1	87.2	164.4	271.4	249.0	137.0	82.2
161.9	85°	132.0	54.8	42.3	32.4	39.8	102.1	161.9	169.3	97.1	42.3
24.9	87.5°	17.4	7.5	7.5	10.0	7.5	17.4	49.8	47.3	27.4	5.0
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°
5729.9
5052.6
4088.9
3162.5
2582.3
2370.6
2298.4
2216.3
2101.7
1954.8
1795.4
1641.0
1519.0
1436.8
1374.6
1379.6
1334.7
1232.6
1133.0
1048.4
991.1
951.2
876.5
814.3
727.1
630.0
532.9
475.6
423.3
333.7
244.0
191.7
127.0
82.2
32.4
0.0
0.0

F REPORT)