

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: P853090

Luminaire Tested: **GLAN-SB8C-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853090
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-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 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: 39370 lumens
Efficiency: N/A
Efficacy: 98.5 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

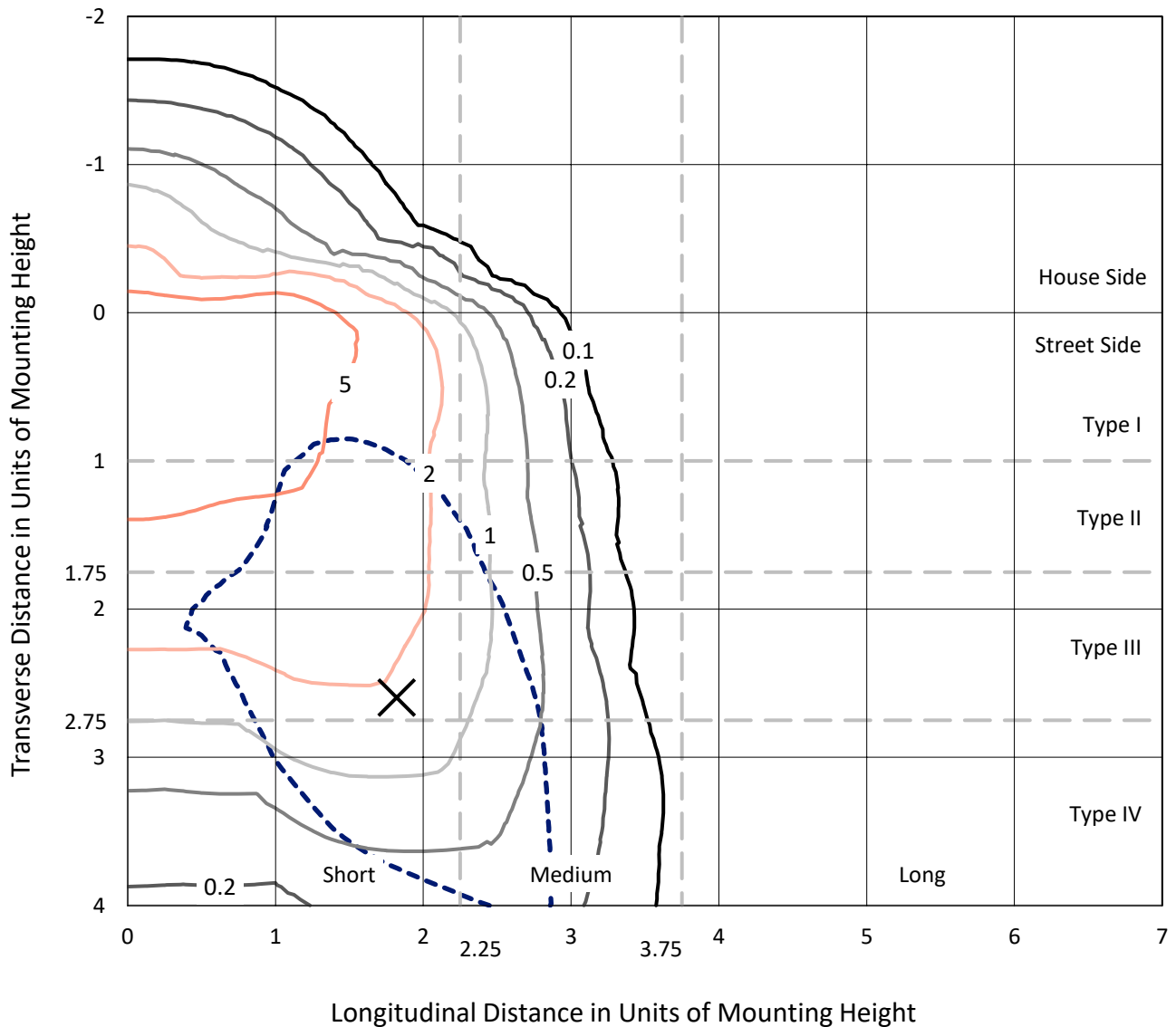
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853090
 CATALOG NUMBER: GLAN-SB8C-850-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

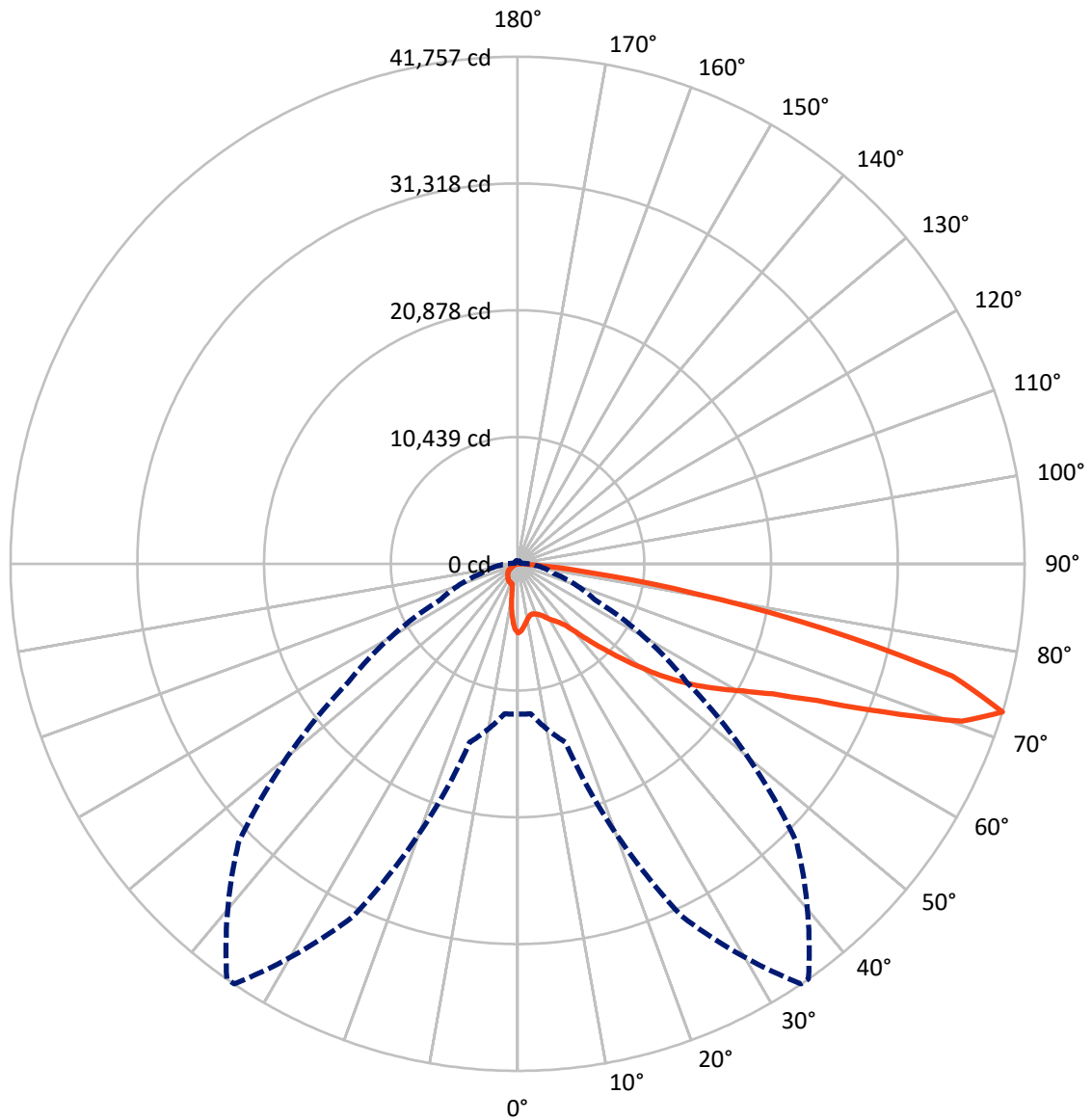
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P853090
CATALOG NUMBER: GLAN-SB8C-850-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P853090
 CATALOG NUMBER: GLAN-SB8C-850-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4430.9	0.0	4430.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	34939.1	0.0	34939.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	39370.0	0.0	39370.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.9	1.2
10°-20°	1096.9	2.8
20°-30°	1781.9	4.5
30°-40°	2973.0	7.6
40°-50°	5625.1	14.3
50°-60°	8938.2	22.7
60°-70°	11057.2	28.1
70°-80°	6873.2	17.5
80°-90°	555.5	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°	39370.0	100.0
0°-180°	39370.0	100.0

Coefficient of Utilization

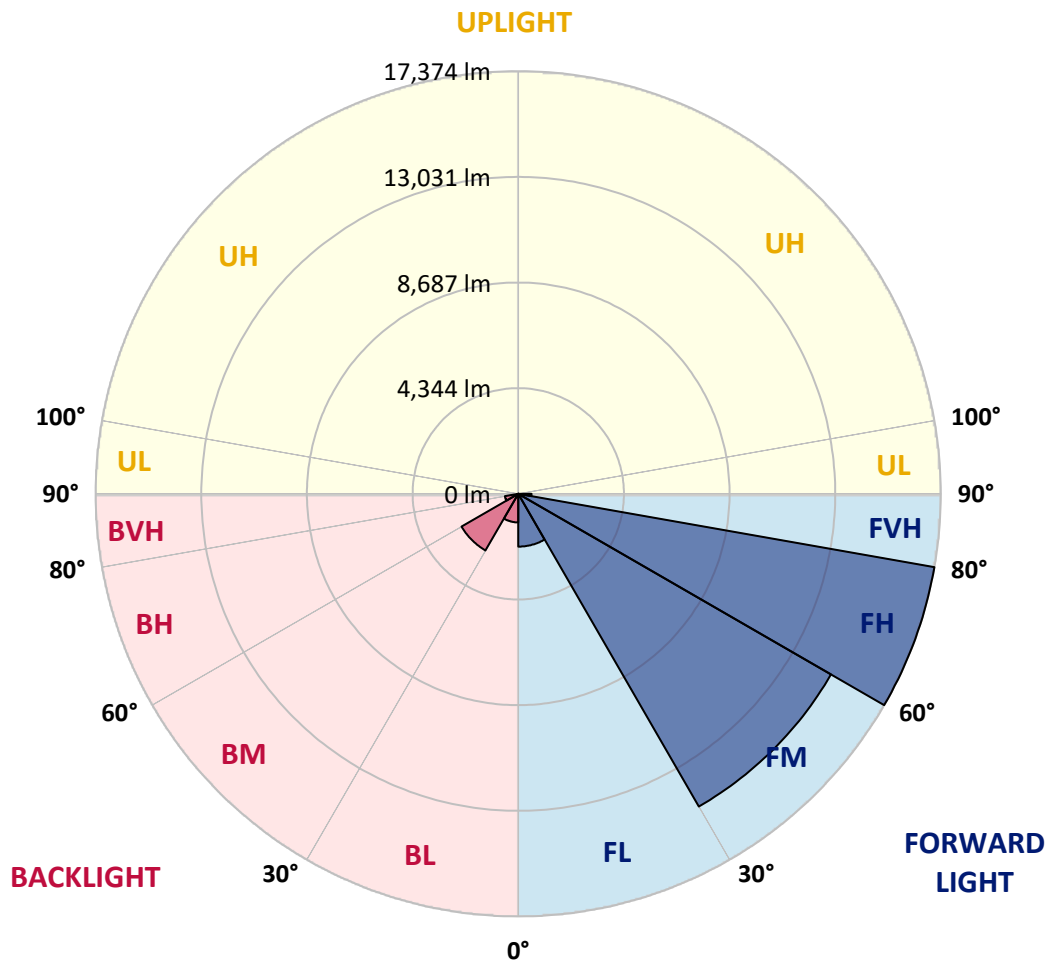


REPORT NUMBER: P853090
 CATALOG NUMBER: GLAN-SB8C-850-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2170.3	5.5			
FM (30°-60°)	14846.4	37.7			
FH (60°-80°)	17374.5	44.1			G5
FVH (80°-90°)	547.9	1.4			G4/750
BL (0°-30°)	1177.4	3.0	B3/2500		
BM (30°-60°)	2690.0	6.8	B3/5000		
BH (60°-80°)	556.0	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.6	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: P853090
 CATALOG NUMBER: GLAN-SB8C-850-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0
2.5°	5452.2	5498.3	5507.0	5521.4	5521.4	5538.7	5567.6	5608.0	5674.3	5708.9
5°	5025.2	5059.8	5103.1	5137.7	5204.1	5212.7	5325.2	5434.9	5587.8	5703.1
7.5°	4595.4	4635.8	4693.5	4777.1	4863.7	4889.6	5059.8	5244.5	5486.8	5703.1
10°	4292.5	4295.4	4347.3	4431.0	4569.4	4601.2	4808.9	5071.4	5374.3	5668.5
12.5°	4122.3	4142.5	4165.6	4229.0	4361.7	4381.9	4604.1	4912.7	5261.8	5648.3
15°	4122.3	4136.7	4151.2	4182.9	4289.6	4306.9	4503.1	4811.8	5204.1	5657.0
17.5°	4165.6	4188.7	4177.1	4214.6	4327.1	4338.7	4511.7	4782.9	5201.2	5711.8
20°	4269.4	4286.7	4263.7	4286.7	4399.2	4422.3	4601.2	4837.7	5250.2	5807.0
22.5°	4433.9	4442.5	4387.7	4405.0	4520.4	4549.2	4757.0	4993.5	5368.5	5959.9
25°	4641.6	4658.9	4575.2	4595.4	4705.0	4739.6	4979.1	5227.2	5556.0	6170.5
27.5°	4881.0	4889.6	4817.5	4814.6	4956.0	5005.0	5247.4	5515.6	5807.0	6435.9
30°	5155.0	5181.0	5111.8	5100.2	5279.1	5319.5	5558.9	5870.5	6176.2	6834.0
32.5°	5371.4	5391.6	5351.2	5380.1	5561.8	5593.5	5936.8	6372.4	6756.1	7399.4
35°	5683.0	5694.5	5602.2	5654.1	5861.8	5942.6	6453.2	7076.3	7485.9	8109.0
37.5°	6810.9	6810.9	6418.6	6161.8	6360.9	6433.0	7159.9	7961.9	8386.0	9061.0
40°	8371.5	8345.6	7771.5	7246.5	7220.5	7361.9	8166.7	9078.3	9548.5	10203.4
42.5°	10036.0	9995.7	9213.9	8694.6	8608.1	8657.1	9329.3	10454.3	10933.2	11596.7
45°	11513.0	11501.5	10786.1	10088.0	9932.2	10088.0	10780.3	12064.0	12407.3	13105.4
47.5°	12750.6	12750.6	12228.4	11772.7	11691.9	11784.2	12744.8	13849.7	13817.9	14712.2
50°	14175.7	14164.1	13667.9	13471.8	13555.4	13685.2	15006.5	15730.5	15277.6	16290.2
52.5°	15173.8	15243.0	15072.8	15041.1	15468.0	15693.0	17302.7	17571.0	16584.4	17787.4
55°	15964.2	16045.0	16241.1	16463.3	17285.4	17579.7	19526.9	19316.3	17677.7	19085.5
57.5°	17083.5	16968.1	17271.0	17709.5	19039.3	19394.2	21681.8	20963.5	18557.6	20138.4
60°	18442.2	18459.5	18511.4	19065.3	20790.4	21246.2	23804.9	22521.2	19123.0	20784.6
62.5°	20075.0	20100.9	20207.7	21058.7	23141.5	23571.3	26066.6	23796.3	19382.6	20602.9
65°	19962.5	20072.1	21263.5	24174.2	26715.7	27139.7	28706.1	24690.6	18990.3	18941.3
67.5°	18185.5	18364.3	20357.7	27895.5	32104.4	32577.5	31896.7	24866.5	17297.0	14729.5
70°	15854.6	15918.0	18315.3	31241.8	38344.1	38822.9	34752.6	22930.9	13125.6	8215.8
72.5°	12381.3	12395.8	15208.4	32017.8	41730.8	41756.7	32511.1	17022.9	7059.0	3155.9
75°	8844.6	8758.1	10186.0	25965.6	36714.2	37008.4	24373.2	7985.0	2697.2	1491.4
77.5°	4742.5	4837.7	5763.7	15398.8	25362.7	25864.7	13298.7	2302.0	1373.1	1015.4
80°	1465.5	1546.2	2362.6	7050.3	14366.0	14668.9	4930.0	1024.1	957.7	724.1
82.5°	461.6	478.9	1102.0	2962.6	5962.8	6101.2	1428.0	579.8	654.8	478.9
85°	132.7	135.6	490.4	1104.9	1474.1	1503.0	401.0	225.0	375.0	297.1
87.5°	14.4	46.2	184.6	184.6	129.8	126.9	43.3	49.0	106.7	37.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853090
 CATALOG NUMBER: GLAN-SB8C-850-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5706.0	0°	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0	5706.0
5732.0	2.5°	5717.6	5720.5	5683.0	5619.5	5550.3	5492.6	5420.4	5362.7	5322.4	5310.8
5783.9	5°	5758.0	5737.8	5631.0	5437.8	5207.0	5007.9	4785.8	4609.8	4494.4	4445.4
5838.7	7.5°	5818.5	5760.8	5527.2	5146.4	4705.0	4312.7	3914.6	3605.9	3409.8	3311.7
5890.7	10°	5870.5	5755.1	5354.1	4725.2	4050.2	3455.9	2919.4	2547.2	2339.5	2241.4
5951.2	12.5°	5919.5	5752.2	5129.1	4226.2	3311.7	2584.7	2085.7	1901.0	1843.4	1823.2
6049.3	15°	6011.8	5760.8	4846.4	3655.0	2576.1	1953.0	1771.2	1768.4	1779.9	1774.1
6199.3	17.5°	6138.7	5769.5	4526.2	3049.2	1987.6	1722.2	1713.5	1739.5	1756.8	1748.2
6386.8	20°	6303.2	5804.1	4185.8	2449.2	1707.8	1664.5	1684.7	1707.8	1722.2	1707.8
6637.8	22.5°	6534.0	5864.7	3813.6	1967.4	1618.3	1629.9	1647.2	1673.2	1687.6	1667.4
6958.0	25°	6816.7	5959.9	3447.3	1710.7	1575.1	1589.5	1615.5	1644.3	1661.6	1641.4
7361.9	27.5°	7183.0	6112.8	3109.8	1653.0	1531.8	1540.5	1578.0	1621.2	1644.3	1618.3
7935.9	30°	7713.8	6363.8	2818.4	1678.9	1505.8	1485.6	1537.6	1598.2	1624.1	1601.0
8717.7	32.5°	8417.7	6718.6	2639.5	1719.3	1494.3	1422.2	1471.2	1549.1	1592.4	1578.0
9738.9	35°	9340.8	7258.0	2570.3	1765.5	1485.6	1355.8	1390.4	1474.1	1549.1	1563.5
11025.5	37.5°	10460.1	8008.1	2590.5	1785.7	1459.7	1301.0	1318.3	1390.4	1488.5	1534.7
12473.7	40°	11732.3	8882.1	2705.9	1765.5	1430.8	1254.9	1257.8	1312.6	1399.1	1468.3
14031.4	42.5°	13044.8	9903.3	2919.4	1690.5	1404.9	1214.5	1205.8	1243.3	1301.0	1350.1
15586.3	45°	14293.9	10953.4	3130.0	1586.6	1373.1	1174.1	1153.9	1168.3	1179.9	1200.1
17100.8	47.5°	15384.4	11691.9	3069.4	1491.4	1329.9	1127.9	1093.3	1087.6	1052.9	1050.0
18453.7	50°	16137.3	11853.4	2726.1	1396.2	1266.4	1076.0	1021.2	986.6	926.0	897.2
19466.3	52.5°	16376.7	11215.9	2227.0	1301.0	1162.6	1006.8	928.9	874.1	799.1	773.1
20049.0	55°	16059.4	9966.8	1779.9	1185.6	1018.3	914.5	827.9	755.8	695.2	663.5
20112.5	57.5°	15283.4	8377.3	1407.8	1050.0	865.4	810.6	724.1	652.0	600.0	568.3
19408.6	60°	13996.8	6652.2	1113.5	888.5	738.5	698.1	608.7	562.5	516.4	478.9
17591.2	62.5°	12043.8	4748.3	874.1	703.9	617.3	571.2	519.3	484.6	429.8	377.9
14322.8	65°	9398.5	2904.9	675.0	516.4	496.2	473.1	441.4	409.6	343.3	291.4
9343.7	67.5°	5928.2	1376.0	481.8	389.4	392.3	380.8	366.4	340.4	291.4	245.2
4185.8	70°	2610.7	666.4	317.3	297.1	291.4	291.4	302.9	294.2	248.1	204.8
1453.9	72.5°	888.5	357.7	236.5	225.0	210.6	207.7	253.9	245.2	199.0	158.7
724.1	75°	464.4	239.4	173.1	161.5	126.9	152.9	201.9	190.4	141.4	103.9
478.9	77.5°	302.9	170.2	118.3	103.9	72.1	101.0	150.0	132.7	83.7	51.9
314.4	80°	190.4	112.5	69.2	49.0	34.6	54.8	80.8	57.7	31.7	11.5
184.6	82.5°	101.0	57.7	26.0	17.3	14.4	17.3	20.2	14.4	5.8	0.0
95.2	85°	40.4	20.2	8.7	5.8	2.9	0.0	5.8	2.9	0.0	0.0
17.3	87.5°	14.4	2.9	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°
5706.0
5331.0
4462.7
3326.1
2244.3
1817.4
1771.2
1745.3
1704.9
1664.5
1638.5
1618.3
1598.2
1578.0
1563.5
1546.2
1491.4
1370.3
1211.6
1047.2
900.0
770.2
663.5
562.5
470.2
369.2
282.7
239.4
196.2
150.0
95.2
46.2
8.7
0.0
0.0
0.0
0.0

F REPORT)