

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: P851155

Luminaire Tested: **GLAN-SB9A-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851155
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-SB9A-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 350mA 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: 28820 lumens
Efficiency: N/A
Efficacy: 112.8 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

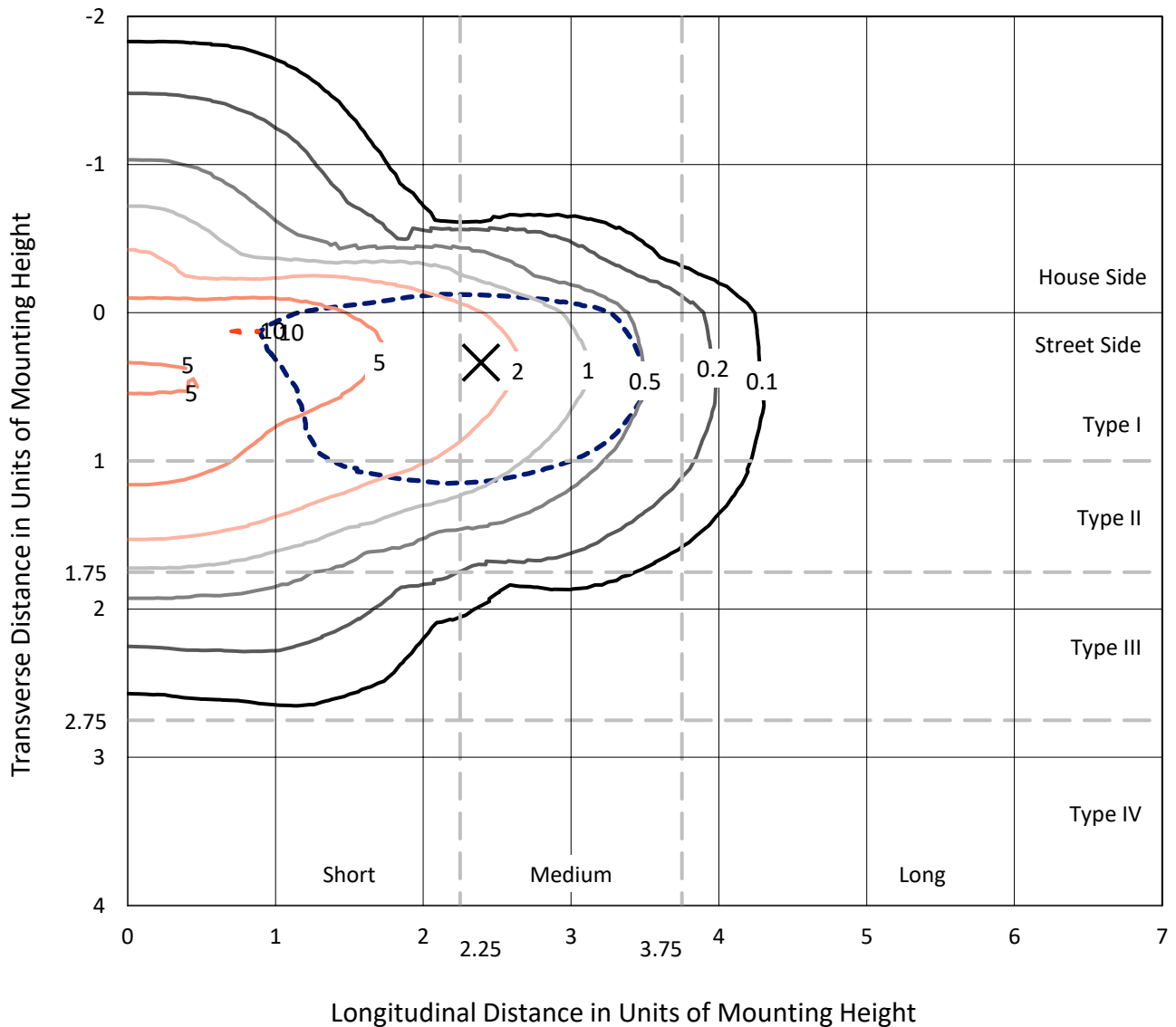
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851155
 CATALOG NUMBER: GLAN-SB9A-730-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

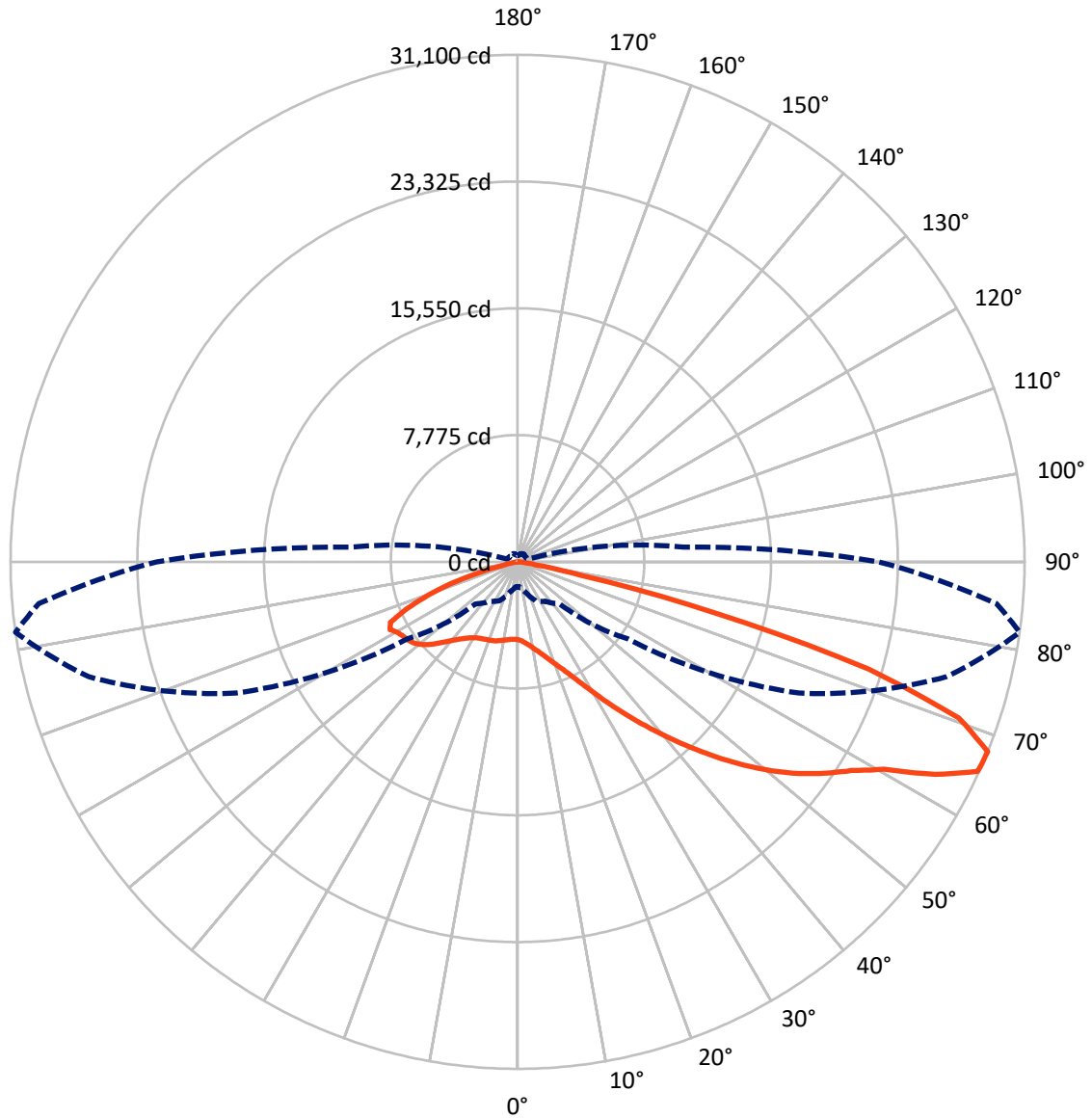
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P851155
CATALOG NUMBER: GLAN-SB9A-730-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851155
 CATALOG NUMBER: GLAN-SB9A-730-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5220.5	0.0	5220.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	23599.5	0.0	23599.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	28820.0	0.0	28820.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.4	1.5
10°-20°	1105.4	3.8
20°-30°	1770.5	6.1
30°-40°	3130.7	10.9
40°-50°	5485.3	19.0
50°-60°	7315.8	25.4
60°-70°	6810.7	23.6
70°-80°	2613.9	9.1
80°-90°	162.3	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°	28820.0	100.0
0°-180°	28820.0	100.0

Coefficient of Utilization

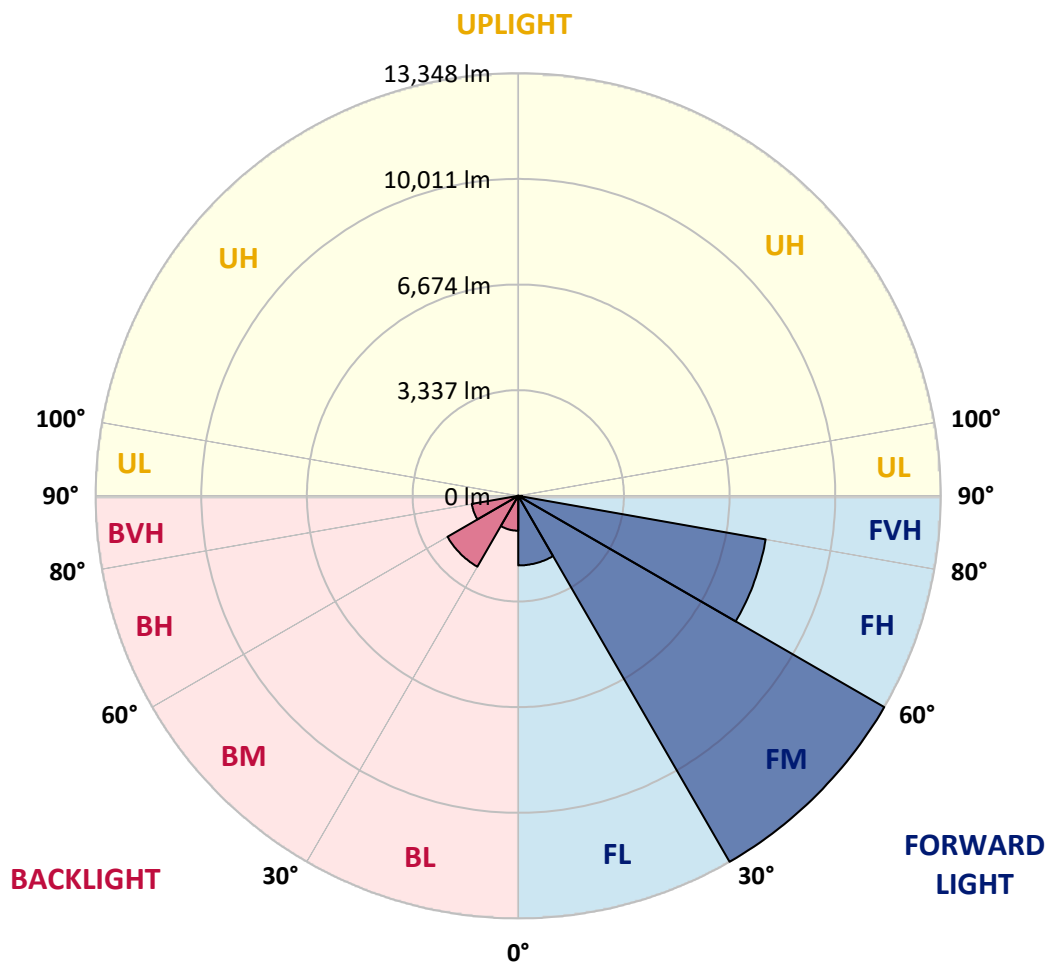


REPORT NUMBER: P851155
 CATALOG NUMBER: GLAN-SB9A-730-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2198.6	7.6			
FM (30°-60°)	13348.2	46.3			
FH (60°-80°)	7934.6	27.5			G4/12000
FVH (80°-90°)	118.0	0.4			G2/225
BL (0°-30°)	1102.6	3.8	B3/2500		
BM (30°-60°)	2583.6	9.0	B3/5000		
BH (60°-80°)	1490.0	5.2	B3/2500		G3/2500
BVH (80°-90°)	44.3	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: P851155
 CATALOG NUMBER: GLAN-SB9A-730-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4774.5	4774.5	4774.5	4774.5	4774.5	4774.5	4774.5	4774.5	4774.5	4774.5
2.5°	5046.3	5075.4	5058.8	5050.5	5035.9	5015.2	4998.6	4946.7	4892.8	4857.5
5°	5148.0	5177.0	5175.0	5183.3	5193.6	5199.9	5195.7	5137.6	5060.8	5000.7
7.5°	5060.8	5094.0	5121.0	5162.5	5235.1	5311.9	5349.3	5336.8	5258.0	5175.0
10°	4813.9	4849.2	4913.5	5011.0	5164.6	5330.6	5469.6	5533.9	5484.1	5392.8
12.5°	4361.6	4396.9	4523.4	4735.1	4992.4	5280.8	5546.4	5718.6	5731.1	5639.8
15°	3853.2	3888.5	4023.4	4289.0	4681.1	5143.8	5587.9	5913.7	6023.6	5944.8
17.5°	3537.8	3568.9	3670.6	3884.3	4293.1	4869.9	5573.4	6121.2	6372.2	6310.0
20°	3442.4	3469.3	3517.1	3666.5	4006.8	4585.7	5477.9	6316.2	6747.8	6712.5
22.5°	3544.0	3568.9	3583.5	3649.9	3863.6	4398.9	5357.6	6515.4	7183.5	7187.7
25°	3778.5	3803.4	3786.8	3828.3	3921.7	4340.8	5311.9	6749.9	7731.3	7777.0
27.5°	4164.5	4166.5	4127.1	4125.0	4139.6	4428.0	5359.6	7000.9	8422.3	8507.4
30°	4938.4	4907.3	4755.8	4591.9	4517.2	4689.4	5492.4	7297.7	9237.8	9389.2
32.5°	6131.5	6085.9	5807.8	5415.7	5021.4	5110.6	5731.1	7635.9	10125.8	10399.7
35°	7426.3	7413.9	7123.4	6540.3	5851.4	5710.3	6119.1	8079.9	11094.8	11530.6
37.5°	8629.8	8623.6	8457.6	7770.8	6932.5	6546.5	6741.6	8660.9	12132.3	12763.1
40°	9729.5	9748.2	9582.2	8968.0	8123.5	7619.3	7588.2	9378.9	13286.0	14105.6
42.5°	10679.9	10700.6	10532.5	10078.1	9300.0	8806.2	8627.7	10258.6	14412.7	15547.7
45°	11325.2	11453.8	11428.9	11065.8	10507.6	9995.1	9876.8	11362.5	15697.1	17077.0
47.5°	11507.8	11626.0	11812.8	11862.6	11522.3	11018.1	11159.2	12692.6	16996.1	18608.3
50°	11057.5	11167.5	11555.5	12072.2	12308.7	12153.1	12406.2	14118.1	18326.1	20135.5
52.5°	10169.4	10281.5	10771.2	11588.7	12553.5	13043.2	13657.4	15522.8	19614.7	21581.7
55°	8885.0	9003.3	9632.0	10557.4	12086.7	13410.5	14701.1	16925.5	20795.3	22882.7
57.5°	7137.9	7225.0	7878.6	9173.4	10912.3	13045.3	15471.0	18456.8	21907.5	24160.9
60°	4652.1	4728.8	5488.3	6932.5	8965.9	11825.2	15624.5	20164.5	23384.9	25823.0
62.5°	3093.8	3145.6	3595.9	4656.2	6314.1	9482.6	14726.0	21527.8	25551.1	28715.5
65°	2122.7	2174.6	2624.8	3363.5	4079.4	6272.6	12142.7	21347.3	27514.1	31012.5
67.5°	1514.7	1558.3	1940.1	2637.3	2952.7	3643.6	8231.4	19039.9	27231.9	31099.6
70°	1085.2	1110.1	1425.5	2054.2	2346.8	2189.1	4577.4	14562.1	23843.4	28717.5
72.5°	759.4	767.7	989.8	1564.5	1890.3	1597.7	2178.7	9708.8	18033.5	22540.4
75°	514.6	525.0	666.1	1147.5	1516.8	1220.1	1153.7	5206.1	10586.5	12476.8
77.5°	315.4	319.5	429.5	784.3	1135.0	929.6	742.8	2205.7	4096.0	4021.3
80°	178.4	178.4	273.9	487.6	774.0	599.7	520.8	937.9	1296.9	1139.2
82.5°	99.6	101.7	199.2	302.9	512.5	354.8	286.3	433.7	560.2	495.9
85°	41.5	45.6	122.4	143.2	244.8	176.4	116.2	182.6	207.5	184.7
87.5°	4.1	6.2	37.3	27.0	29.0	35.3	16.6	35.3	29.0	29.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851155
 CATALOG NUMBER: GLAN-SB9A-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4774.5	0°	4774.5	4774.5	4774.5	4774.5	4774.5	4774.5	4774.5	4774.5	4774.5	4774.5
4845.0	2.5°	4805.6	4774.5	4695.6	4604.4	4484.0	4425.9	4347.1	4293.1	4247.5	4251.6
4965.4	5°	4899.0	4820.1	4643.8	4423.8	4149.9	3954.9	3747.4	3604.2	3488.0	3463.1
5131.4	7.5°	5027.6	4903.1	4594.0	4197.7	3734.9	3384.3	3071.0	2869.7	2726.5	2680.9
5332.7	10°	5193.6	5013.1	4529.7	3913.4	3247.3	2801.2	2465.1	2307.4	2209.8	2176.6
5569.2	12.5°	5386.6	5139.7	4444.6	3566.9	2745.2	2315.7	2101.9	2023.1	1992.0	1981.6
5859.7	15°	5629.4	5297.4	4315.9	3156.0	2319.8	2018.9	1927.6	1917.3	1921.4	1917.3
6208.3	17.5°	5917.8	5469.6	4106.4	2732.7	2033.5	1867.5	1834.3	1842.6	1852.9	1850.9
6598.4	20°	6233.2	5639.8	3838.7	2357.2	1838.4	1759.6	1740.9	1749.2	1757.5	1753.3
7048.7	22.5°	6592.2	5822.4	3542.0	2064.6	1707.7	1660.0	1639.2	1641.3	1641.3	1633.0
7619.3	25°	7021.7	6023.6	3230.7	1857.1	1608.1	1570.7	1545.9	1537.6	1525.1	1500.2
8312.3	27.5°	7534.2	6237.4	2931.9	1711.8	1529.3	1494.0	1464.9	1444.2	1413.1	1371.6
9144.4	30°	8111.0	6496.7	2678.8	1620.5	1467.0	1431.7	1398.5	1367.4	1321.8	1269.9
10100.9	32.5°	8789.6	6774.8	2494.1	1560.4	1411.0	1373.6	1334.2	1296.9	1247.1	1195.2
11175.8	35°	9598.8	7110.9	2386.2	1518.9	1367.4	1317.6	1274.0	1232.5	1195.2	1149.5
12344.0	37.5°	10476.5	7467.8	2353.0	1498.1	1338.4	1261.6	1211.8	1182.7	1178.6	1151.6
13607.6	40°	11437.2	7891.1	2377.9	1485.7	1307.2	1207.6	1153.7	1147.5	1157.8	1110.1
14958.4	42.5°	12454.0	8393.2	2419.4	1471.2	1263.7	1153.7	1101.8	1101.8	1093.5	1027.1
16386.0	45°	13553.7	8972.2	2460.9	1435.9	1211.8	1099.7	1060.3	1045.8	1010.5	946.2
17821.9	47.5°	14661.7	9561.4	2492.0	1371.6	1149.5	1054.1	1018.8	985.6	933.7	875.6
19230.8	50°	15713.7	10090.6	2458.8	1276.1	1079.0	1010.5	973.2	927.5	871.5	832.1
20565.0	52.5°	16653.7	10549.1	2317.7	1164.1	1004.3	964.9	931.7	883.9	838.3	796.8
21768.5	55°	17471.2	10920.6	2068.7	1058.2	937.9	925.4	892.2	832.1	769.8	734.5
22961.6	57.5°	18255.6	11202.7	1757.5	971.1	877.7	881.9	832.1	778.1	720.0	682.7
24569.7	60°	19299.3	11580.4	1442.1	890.2	813.4	825.8	771.9	732.5	659.8	612.1
27327.3	62.5°	20967.5	12167.6	1145.4	790.6	738.7	742.8	720.0	672.3	585.1	529.1
29371.2	65°	22291.4	11951.8	902.6	682.7	653.6	659.8	659.8	608.0	514.6	450.3
29481.1	67.5°	22142.0	10233.7	720.0	576.8	572.7	576.8	591.4	547.8	456.5	404.6
27236.0	70°	20396.9	8140.1	576.8	479.3	498.0	487.6	529.1	500.1	410.8	359.0
21114.9	72.5°	16643.3	5863.9	439.9	396.3	381.8	398.4	477.2	450.3	342.4	284.3
11184.1	75°	9725.4	3129.0	327.8	313.3	276.0	332.0	423.3	383.9	261.4	209.6
3427.8	77.5°	3166.4	1091.4	240.7	230.3	205.4	267.7	361.0	323.7	213.7	166.0
1004.3	80°	848.7	329.9	163.9	151.5	132.8	199.2	286.3	257.3	153.5	107.9
431.6	82.5°	340.3	139.0	95.4	85.1	72.6	136.9	226.2	207.5	114.1	68.5
134.9	85°	110.0	45.6	35.3	27.0	33.2	85.1	134.9	141.1	80.9	35.3
20.7	87.5°	14.5	6.2	6.2	8.3	6.2	14.5	41.5	39.4	22.8	4.1
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°
4774.5
4210.1
3407.1
2635.2
2151.7
1975.4
1915.2
1846.7
1751.3
1628.8
1496.1
1367.4
1265.7
1197.3
1145.4
1149.5
1112.2
1027.1
944.1
873.6
825.8
792.6
730.4
678.5
605.9
525.0
444.0
396.3
352.7
278.0
203.3
159.8
105.8
68.5
27.0
0.0
0.0

F REPORT)