

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: P851265

Luminaire Tested: **GLAN-SB9A-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851265
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-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 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: 20129 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

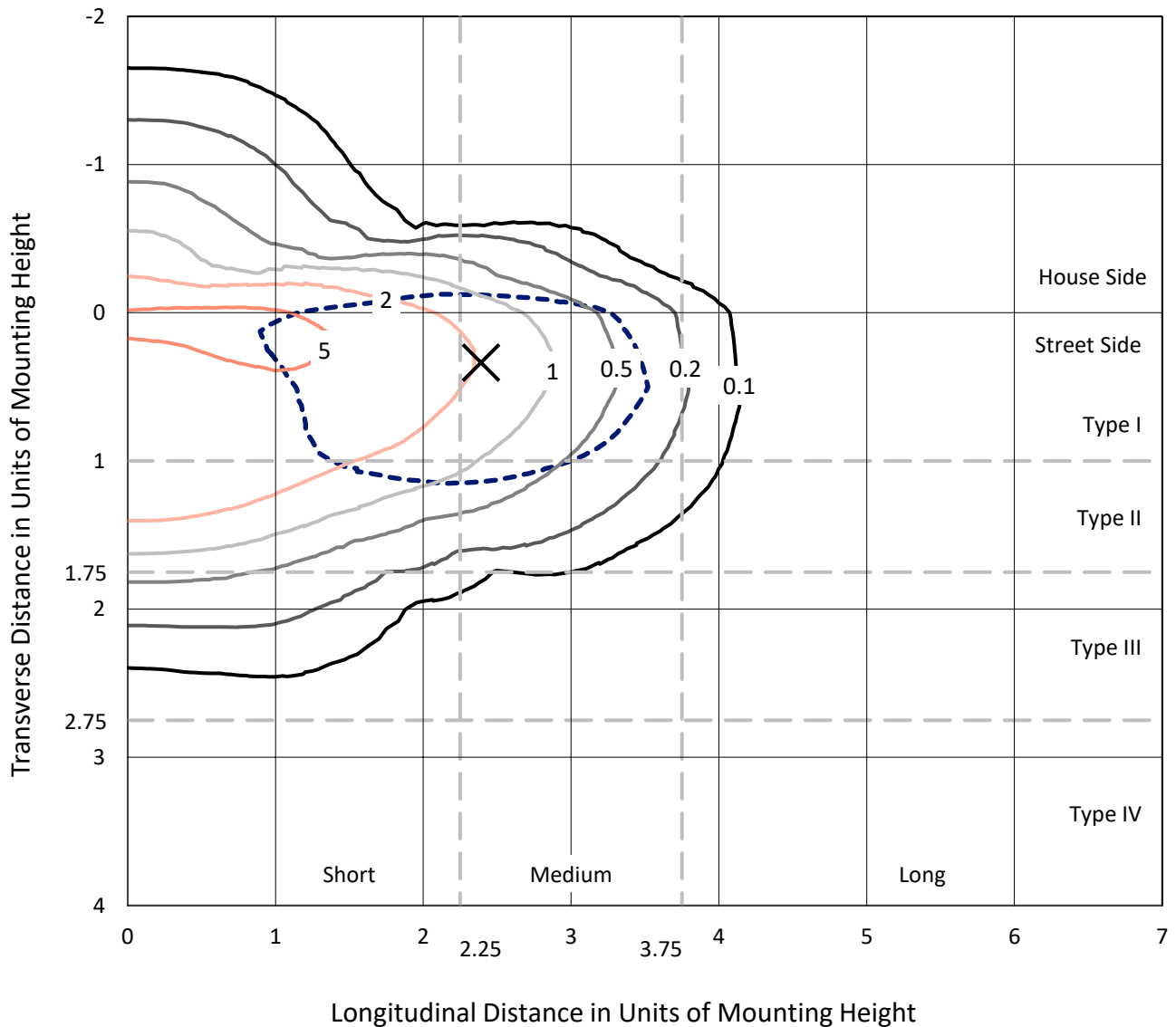
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851265
 CATALOG NUMBER: GLAN-SB9A-930-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

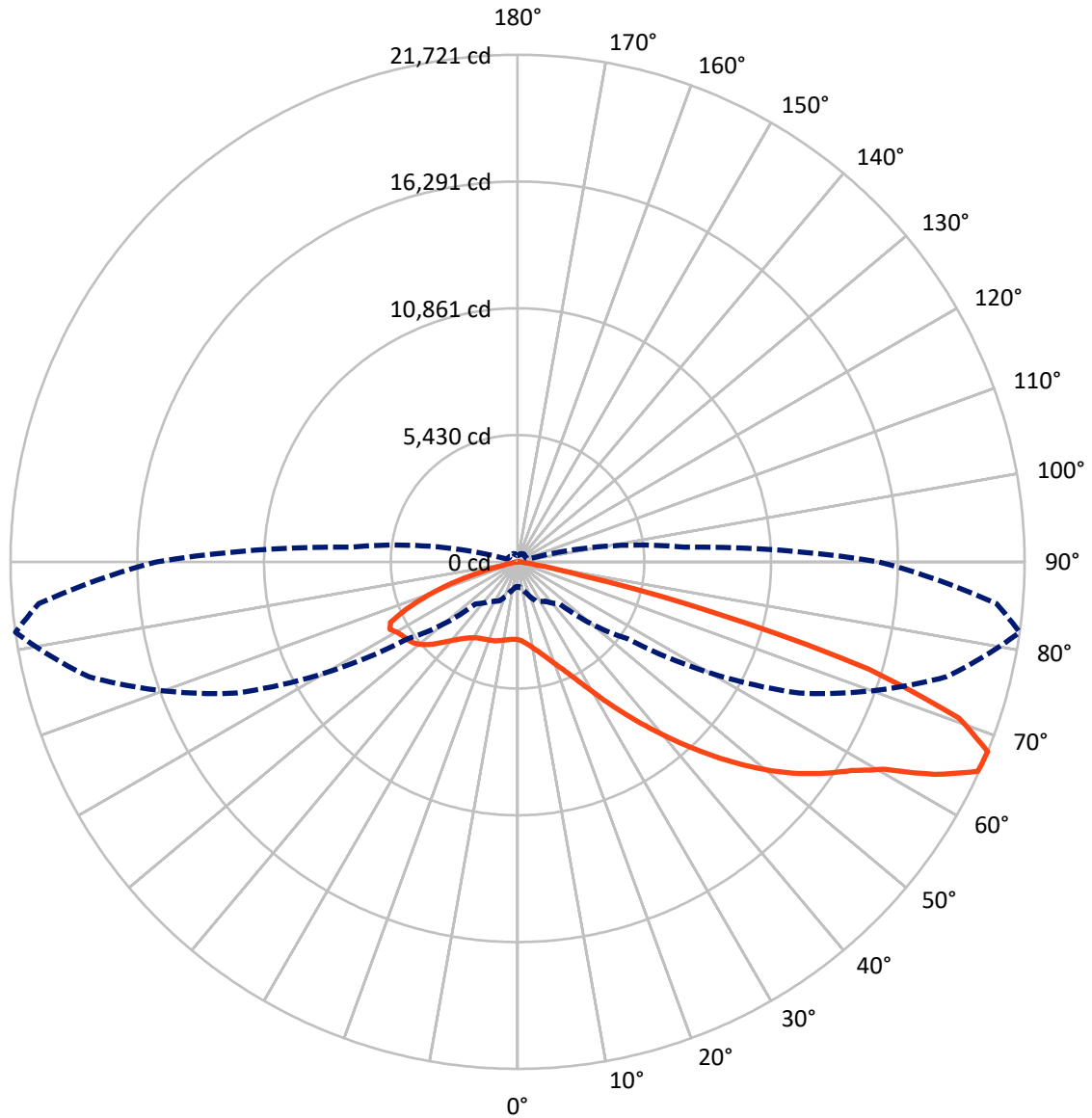
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P851265
CATALOG NUMBER: GLAN-SB9A-930-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851265
 CATALOG NUMBER: GLAN-SB9A-930-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3646.2	0.0	3646.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	16482.8	0.0	16482.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	20129.0	0.0	20129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.1	1.5
10°-20°	772.0	3.8
20°-30°	1236.6	6.1
30°-40°	2186.6	10.9
40°-50°	3831.1	19.0
50°-60°	5109.7	25.4
60°-70°	4756.8	23.6
70°-80°	1825.7	9.1
80°-90°	113.4	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°	20129.0	100.0
0°-180°	20129.0	100.0

Coefficient of Utilization

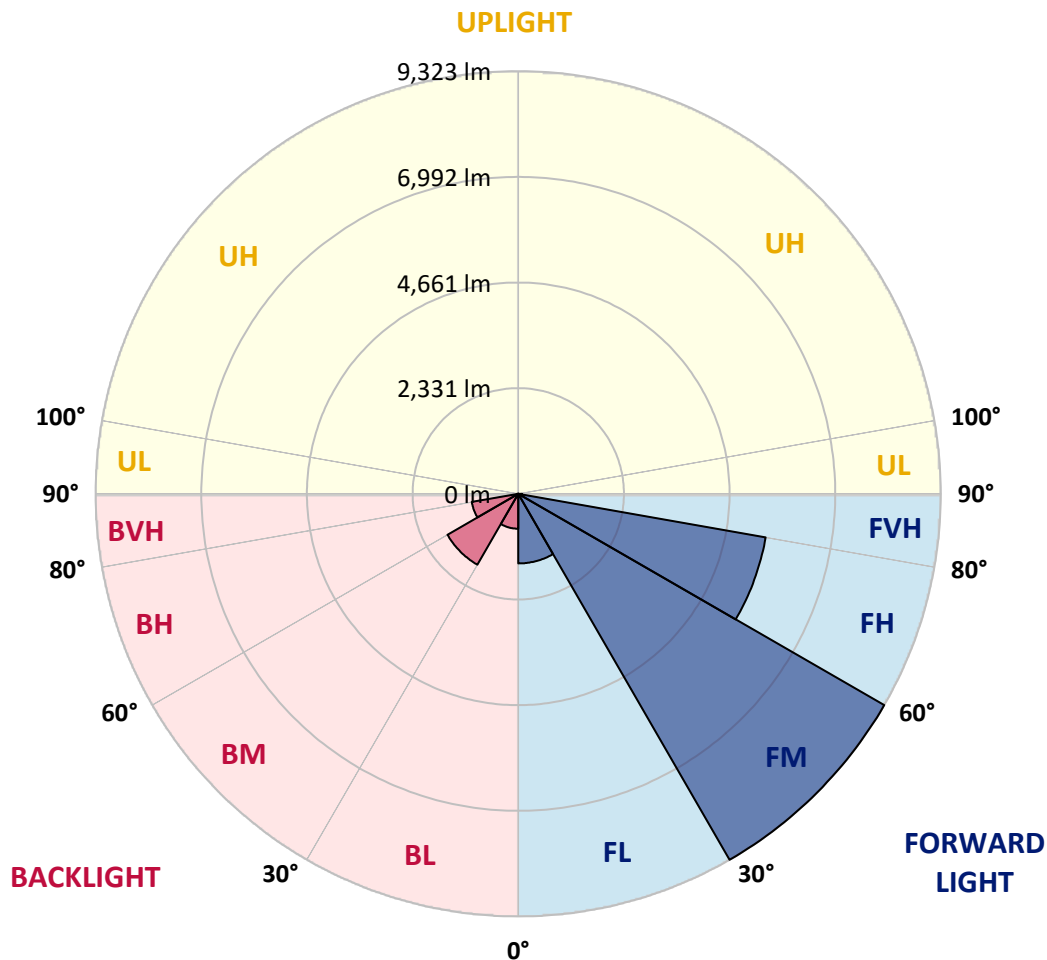


REPORT NUMBER: P851265
 CATALOG NUMBER: GLAN-SB9A-930-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1535.6	7.6			
FM (30°-60°)	9322.9	46.3			
FH (60°-80°)	5541.8	27.5			G3/7500
FVH (80°-90°)	82.4	0.4			G1/100
BL (0°-30°)	770.1	3.8	B2/1000		
BM (30°-60°)	1804.5	9.0	B2/2500		
BH (60°-80°)	1040.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	30.9	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-G3
 Type II Medium



REPORT NUMBER: P851265
 CATALOG NUMBER: GLAN-SB9A-930-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3334.7	3334.7	3334.7	3334.7	3334.7	3334.7	3334.7	3334.7	3334.7	3334.7
2.5°	3524.5	3544.8	3533.2	3527.4	3517.3	3502.8	3491.2	3455.0	3417.3	3392.7
5°	3595.6	3615.8	3614.4	3620.2	3627.4	3631.8	3628.9	3588.3	3534.7	3492.7
7.5°	3534.7	3557.9	3576.7	3605.7	3656.4	3710.0	3736.1	3727.4	3672.4	3614.4
10°	3362.2	3386.9	3431.8	3499.9	3607.2	3723.1	3820.2	3865.1	3830.3	3766.6
12.5°	3046.3	3070.9	3159.3	3307.2	3486.9	3688.3	3873.8	3994.1	4002.8	3939.0
15°	2691.2	2715.9	2810.1	2995.6	3269.5	3592.7	3902.8	4130.3	4207.1	4152.1
17.5°	2470.9	2492.7	2563.7	2713.0	2998.5	3401.4	3892.7	4275.2	4450.6	4407.1
20°	2404.3	2423.1	2456.5	2560.8	2798.5	3202.8	3826.0	4411.5	4712.9	4688.3
22.5°	2475.3	2492.7	2502.8	2549.2	2698.5	3072.4	3741.9	4550.6	5017.3	5020.2
25°	2639.1	2656.5	2644.9	2673.8	2739.1	3031.8	3710.0	4714.4	5399.9	5431.7
27.5°	2908.6	2910.1	2882.5	2881.1	2891.2	3092.7	3743.4	4889.7	5882.5	5941.9
30°	3449.2	3427.4	3321.7	3207.2	3155.0	3275.3	3836.1	5097.0	6452.0	6557.8
32.5°	4282.5	4250.6	4056.4	3782.5	3507.2	3569.5	4002.8	5333.2	7072.3	7263.6
35°	5186.8	5178.1	4975.2	4568.0	4086.8	3988.3	4273.8	5643.3	7749.1	8053.4
37.5°	6027.4	6023.0	5907.1	5427.4	4841.9	4572.3	4708.6	6049.1	8473.7	8914.3
40°	6795.5	6808.5	6692.6	6263.6	5673.8	5321.6	5299.9	6550.6	9279.5	9851.9
42.5°	7459.2	7473.7	7356.3	7038.9	6495.5	6150.6	6025.9	7165.0	10066.4	10859.1
45°	7909.9	7999.8	7982.4	7728.8	7338.9	6981.0	6898.4	7936.0	10963.5	11927.2
47.5°	8037.5	8120.1	8250.5	8285.3	8047.6	7695.4	7794.0	8865.0	11870.7	12996.8
50°	7723.0	7799.8	8070.8	8431.7	8596.9	8488.2	8665.0	9860.6	12799.7	14063.4
52.5°	7102.7	7181.0	7523.0	8094.0	8767.9	9109.9	9538.9	10841.7	13699.6	15073.5
55°	6205.6	6288.2	6727.4	7373.7	8441.8	9366.4	10267.8	11821.4	14524.3	15982.2
57.5°	4985.4	5046.2	5502.8	6407.1	7621.5	9111.4	10805.5	12891.0	15301.0	16874.9
60°	3249.2	3302.8	3833.2	4841.9	6262.2	8259.2	10912.8	14083.7	16332.9	18035.8
62.5°	2160.8	2197.0	2511.5	3252.1	4410.0	6623.0	10285.2	15035.8	17845.9	20056.0
65°	1482.6	1518.8	1833.3	2349.2	2849.2	4381.0	8480.9	14909.7	19216.9	21660.3
67.5°	1057.9	1088.4	1355.0	1842.0	2062.3	2544.9	5749.1	13298.2	19019.8	21721.2
70°	758.0	775.3	995.6	1434.7	1639.1	1528.9	3197.0	10170.7	16653.2	20057.4
72.5°	530.4	536.2	691.3	1092.7	1320.3	1115.9	1521.7	6781.0	12595.3	15743.1
75°	359.4	366.7	465.2	801.4	1059.4	852.2	805.8	3636.1	7394.0	8714.3
77.5°	220.3	223.2	300.0	547.8	792.7	649.3	518.8	1540.5	2860.8	2808.6
80°	124.6	124.6	191.3	340.6	540.6	418.8	363.8	655.1	905.8	795.6
82.5°	69.6	71.0	139.1	211.6	358.0	247.8	200.0	302.9	391.3	346.4
85°	29.0	31.9	85.5	100.0	171.0	123.2	81.2	127.5	144.9	129.0
87.5°	2.9	4.3	26.1	18.8	20.3	24.6	11.6	24.6	20.3	20.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851265
 CATALOG NUMBER: GLAN-SB9A-930-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3334.7	0°	3334.7	3334.7	3334.7	3334.7	3334.7	3334.7	3334.7	3334.7	3334.7	3334.7
3384.0	2.5°	3356.4	3334.7	3279.6	3215.9	3131.8	3091.2	3036.2	2998.5	2966.6	2969.5
3468.0	5°	3421.6	3366.6	3243.4	3089.8	2898.5	2762.2	2617.3	2517.3	2436.2	2418.8
3584.0	7.5°	3511.5	3424.5	3208.6	2931.8	2608.6	2363.7	2144.9	2004.3	1904.3	1872.4
3724.5	10°	3627.4	3501.4	3163.7	2733.3	2268.1	1956.5	1721.7	1611.6	1543.4	1520.2
3889.8	12.5°	3762.2	3589.8	3104.3	2491.2	1917.3	1617.3	1468.1	1413.0	1391.3	1384.0
4092.6	15°	3931.8	3699.9	3014.4	2204.3	1620.2	1410.1	1346.3	1339.1	1342.0	1339.1
4336.1	17.5°	4133.2	3820.2	2868.0	1908.6	1420.3	1304.3	1281.1	1286.9	1294.2	1292.7
4608.6	20°	4353.5	3939.0	2681.1	1646.3	1284.0	1229.0	1215.9	1221.7	1227.5	1224.6
4923.1	22.5°	4604.2	4066.6	2473.8	1442.0	1192.7	1159.4	1144.9	1146.3	1146.3	1140.5
5321.6	25°	4904.2	4207.1	2256.5	1297.1	1123.2	1097.1	1079.7	1073.9	1065.2	1047.8
5805.6	27.5°	5262.2	4356.4	2047.8	1195.6	1068.1	1043.5	1023.2	1008.7	986.9	957.9
6386.8	30°	5665.1	4537.6	1871.0	1131.9	1024.6	1000.0	976.8	955.0	923.2	886.9
7054.9	32.5°	6139.0	4731.8	1742.0	1089.8	985.5	959.4	931.9	905.8	871.0	834.8
7805.6	35°	6704.2	4966.5	1666.6	1060.8	955.0	920.3	889.8	860.8	834.8	802.9
8621.5	37.5°	7317.2	5215.8	1643.4	1046.3	934.8	881.1	846.4	826.1	823.2	804.3
9504.1	40°	7988.2	5511.4	1660.8	1037.7	913.0	843.5	805.8	801.4	808.7	775.3
10447.5	42.5°	8698.3	5862.2	1689.8	1027.5	882.6	805.8	769.5	769.5	763.7	717.4
11444.6	45°	9466.4	6266.5	1718.8	1002.9	846.4	768.1	740.6	730.4	705.8	660.9
12447.5	47.5°	10240.3	6678.1	1740.5	957.9	802.9	736.2	711.6	688.4	652.2	611.6
13431.5	50°	10975.1	7047.6	1717.3	891.3	753.6	705.8	679.7	647.8	608.7	581.1
14363.4	52.5°	11631.6	7367.9	1618.8	813.0	701.4	673.9	650.7	617.4	585.5	556.5
15203.9	55°	12202.6	7627.3	1444.9	739.1	655.1	646.4	623.2	581.1	537.7	513.0
16037.3	57.5°	12750.4	7824.4	1227.5	678.2	613.0	615.9	581.1	543.5	502.9	476.8
17160.4	60°	13479.4	8088.2	1007.2	621.7	568.1	576.8	539.1	511.6	460.9	427.5
19086.4	62.5°	14644.5	8498.3	800.0	552.2	515.9	518.8	502.9	469.6	408.7	369.6
20513.9	65°	15569.2	8347.6	630.4	476.8	456.5	460.9	460.9	424.6	359.4	314.5
20590.8	67.5°	15464.8	7147.6	502.9	402.9	400.0	402.9	413.0	382.6	318.8	282.6
19022.7	70°	14246.0	5685.4	402.9	334.8	347.8	340.6	369.6	349.3	286.9	250.7
14747.4	72.5°	11624.3	4095.5	307.2	276.8	266.7	278.3	333.3	314.5	239.1	198.5
7811.4	75°	6792.6	2185.4	229.0	218.8	192.7	231.9	295.6	268.1	182.6	146.4
2394.1	77.5°	2211.5	762.3	168.1	160.9	143.5	187.0	252.2	226.1	149.3	115.9
701.4	80°	592.7	230.4	114.5	105.8	92.8	139.1	200.0	179.7	107.2	75.4
301.4	82.5°	237.7	97.1	66.7	59.4	50.7	95.6	158.0	144.9	79.7	47.8
94.2	85°	76.8	31.9	24.6	18.8	23.2	59.4	94.2	98.5	56.5	24.6
14.5	87.5°	10.1	4.3	4.3	5.8	4.3	10.1	29.0	27.5	15.9	2.9
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°
<hr/>
3334.7
2940.5
2379.6
1840.5
1502.9
1379.7
1337.6
1289.8
1223.2
1137.7
1044.9
955.0
884.0
836.2
800.0
802.9
776.8
717.4
659.4
610.1
576.8
553.6
510.1
473.9
423.2
366.7
310.1
276.8
246.4
194.2
142.0
111.6
73.9
47.8
18.8
0.0
0.0

F REPORT)