

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: P850657

Luminaire Tested: **GLAN-SB8B-735-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850657  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35043 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

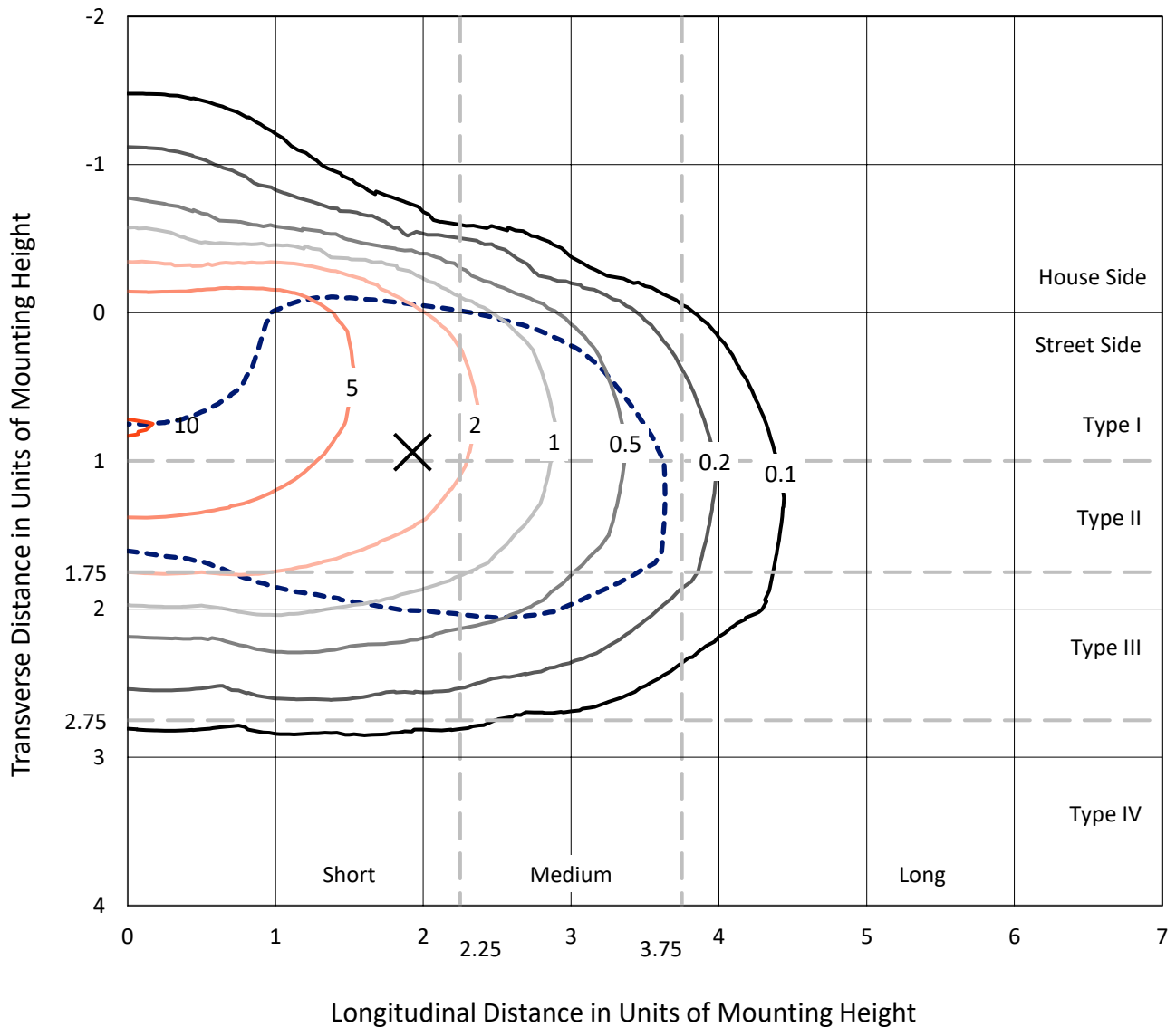
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P850657  
 CATALOG NUMBER: GLAN-SB8B-735-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

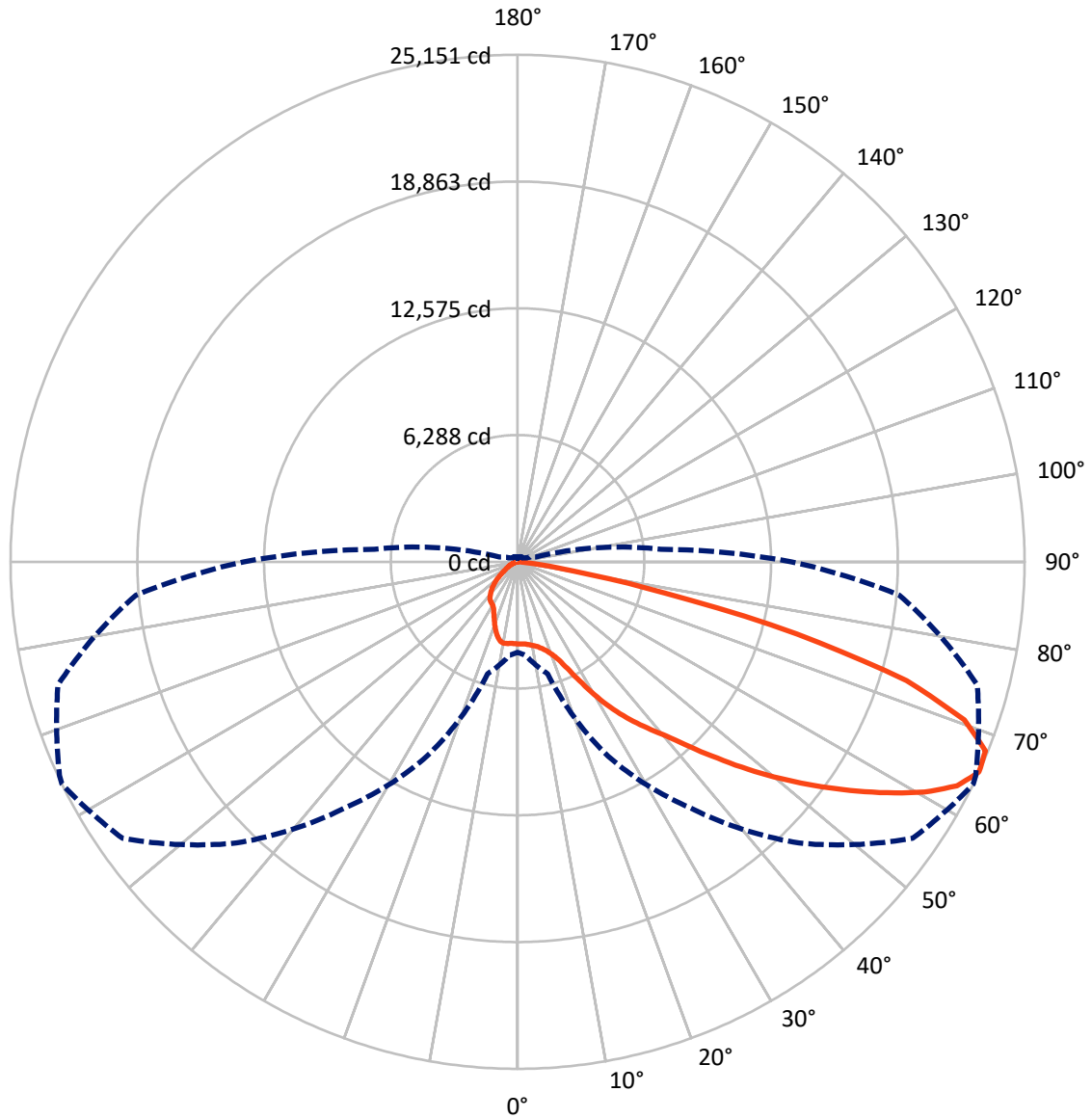
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P850657  
CATALOG NUMBER: GLAN-SB8B-735-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P850657  
 CATALOG NUMBER: GLAN-SB8B-735-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4686.3	0.0	4686.3
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	30356.7	0.0	30356.7
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	35043.0	0.0	35043.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	376.0	1.1
10°-20°	1019.9	2.9
20°-30°	1932.7	5.5
30°-40°	3910.8	11.2
40°-50°	6662.1	19.0
50°-60°	9060.0	25.9
60°-70°	8507.8	24.3
70°-80°	3408.6	9.7
80°-90°	165.1	0.5
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°	35043.0	100.0
0°-180°	35043.0	100.0

**Coefficient of Utilization**

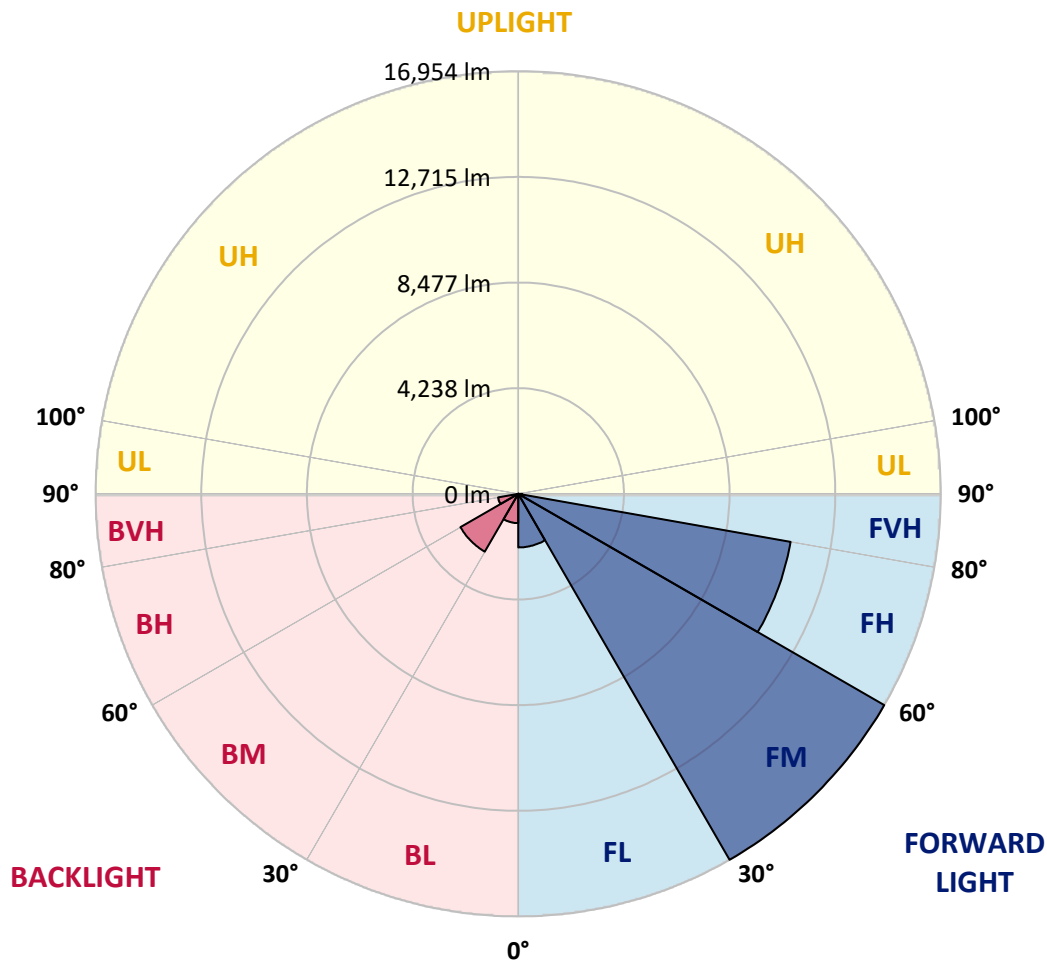


REPORT NUMBER: P850657  
 CATALOG NUMBER: GLAN-SB8B-735-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2152.0	6.1			
FM (30°-60°)	16953.8	48.4			
FH (60°-80°)	11093.8	31.7			G4/12000
FVH (80°-90°)	157.1	0.4			G2/225
BL (0°-30°)	1176.6	3.4	B3/2500		
BM (30°-60°)	2679.1	7.6	B3/5000		
BH (60°-80°)	822.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.1	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-G4**  
 Type III Short



REPORT NUMBER: P850657  
 CATALOG NUMBER: GLAN-SB8B-735-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4075.9	4075.9	4075.9	4075.9	4075.9	4075.9	4075.9	4075.9	4075.9	4075.9
2.5°	4061.8	4090.0	4082.9	4075.9	4073.5	4078.2	4080.6	4078.2	4078.2	4078.2
5°	3984.2	4007.7	4007.7	4024.2	4047.7	4075.9	4097.0	4101.7	4106.4	4113.5
7.5°	3836.2	3855.0	3869.1	3923.2	3981.9	4057.1	4120.5	4153.4	4158.1	4183.9
10°	3735.2	3758.7	3782.2	3838.6	3923.2	4035.9	4144.0	4223.9	4235.6	4296.7
12.5°	3730.5	3754.0	3784.6	3845.6	3944.3	4064.1	4195.7	4310.8	4331.9	4421.2
15°	3779.9	3808.1	3836.2	3911.4	4017.1	4162.8	4303.7	4447.0	4468.2	4595.0
17.5°	3880.9	3918.5	3939.6	4014.8	4127.5	4289.6	4475.2	4639.7	4658.5	4806.5
20°	4080.6	4125.2	4132.2	4193.3	4303.7	4477.6	4698.4	4902.8	4926.3	5095.4
22.5°	4494.0	4557.5	4501.1	4531.6	4630.3	4804.1	5043.7	5302.1	5335.0	5527.7
25°	5222.3	5311.5	5165.9	5114.2	5156.5	5337.4	5638.1	5964.6	6002.2	6157.3
27.5°	6652.9	6537.8	6317.0	6100.9	5974.0	6077.4	6415.7	6819.7	6866.7	7017.1
30°	8224.6	8123.5	7825.2	7346.0	7045.3	7028.8	7341.3	7792.3	7846.3	7989.6
32.5°	9798.5	9702.2	9378.0	8788.4	8266.8	8008.4	8224.6	8724.9	8753.1	8844.7
35°	11346.6	11248.0	10923.8	10320.0	9678.7	9091.4	9049.1	9612.9	9622.3	9718.6
37.5°	12904.2	12821.9	12476.6	11884.6	11252.7	10442.2	10049.9	10453.9	10465.7	10559.7
40°	14015.3	14050.6	13813.3	13355.2	12812.5	11926.9	11172.8	11349.0	11278.5	11435.9
42.5°	14969.1	15039.6	14832.9	14602.6	14287.8	13507.9	12563.5	12533.0	12420.2	12504.8
45°	15793.7	15852.4	15666.8	15612.8	15605.7	15058.4	14083.5	13900.2	13742.8	13726.4
47.5°	16096.7	16209.5	16289.4	16470.3	16822.6	16592.4	15655.1	15370.8	15194.6	15065.4
50°	16211.8	16331.6	16604.2	17130.4	17964.3	18063.0	17219.6	16900.2	16684.0	16449.1
52.5°	16056.8	16270.6	16637.0	17522.7	18732.5	19242.3	18720.8	18441.2	18194.6	17811.6
55°	15143.0	15356.7	16106.1	17518.0	19115.5	20069.2	20139.7	20015.2	19738.0	19134.2
57.5°	13216.6	13533.8	14720.1	16921.3	19108.4	20781.0	21530.4	21619.7	21309.6	20445.1
60°	10547.9	10977.8	12424.9	15598.7	18518.8	21166.3	22749.7	23196.0	22867.1	21737.2
62.5°	7360.0	7858.1	9227.7	13526.7	17170.3	20889.1	23640.0	24464.6	24215.6	22893.0
65°	4489.3	4649.1	5753.2	10644.2	14877.5	19728.6	23914.9	25150.6	25068.3	23600.1
67.5°	2990.5	3124.4	3441.6	7299.0	11548.7	17409.9	23257.1	25030.7	25054.2	23485.0
70°	1801.8	1916.9	2123.7	4245.0	7484.6	13780.4	21220.3	23503.8	23640.0	21946.2
72.5°	742.3	819.9	1007.8	1924.0	3876.2	8746.1	16897.8	20179.6	20496.8	18453.0
75°	420.5	460.4	592.0	965.5	1682.0	4075.9	10235.5	14325.4	14792.9	12718.6
77.5°	279.6	298.3	382.9	624.9	946.7	1390.7	4374.2	7463.4	8356.1	6946.6
80°	187.9	204.4	263.1	418.2	615.5	596.7	1393.1	2765.0	3401.6	2386.8
82.5°	126.9	129.2	187.9	274.9	390.0	289.0	411.1	859.8	1080.6	690.7
85°	72.8	70.5	138.6	159.7	173.8	119.8	124.5	258.4	338.3	291.3
87.5°	9.4	14.1	54.0	42.3	23.5	25.8	25.8	44.6	65.8	70.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850657  
 CATALOG NUMBER: GLAN-SB8B-735-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4075.9	0°	4075.9	4075.9	4075.9	4075.9	4075.9	4075.9	4075.9	4075.9	4075.9	4075.9
4080.6	2.5°	4080.6	4078.2	4071.2	4064.1	4047.7	4038.3	4043.0	4038.3	4035.9	4038.3
4111.1	5°	4111.1	4104.1	4085.3	4061.8	4028.9	3988.9	3963.1	3925.5	3890.3	3869.1
4193.3	7.5°	4193.3	4186.3	4160.4	4094.7	3988.9	3822.2	3669.5	3535.5	3434.5	3375.8
4324.9	10°	4324.9	4313.1	4273.2	4127.5	3850.3	3486.2	3183.2	2931.8	2767.4	2689.8
4479.9	12.5°	4479.9	4465.8	4395.4	4097.0	3587.2	3018.7	2600.6	2321.0	2168.3	2100.2
4658.5	15°	4663.2	4644.4	4505.8	3951.4	3204.3	2501.9	2119.0	1909.9	1811.2	1750.2
4886.3	17.5°	4891.0	4858.1	4588.0	3732.9	2788.5	2107.2	1823.0	1665.6	1578.7	1519.9
5184.7	20°	5187.0	5133.0	4653.8	3472.1	2405.6	1858.2	1623.3	1491.7	1426.0	1374.3
5607.5	22.5°	5600.5	5523.0	4733.6	3190.2	2135.4	1686.7	1475.3	1379.0	1324.9	1266.2
6197.2	25°	6112.6	6021.0	4832.3	2929.5	1949.8	1538.7	1367.2	1287.4	1223.9	1155.8
6970.1	27.5°	6829.1	6664.7	4949.8	2715.7	1790.1	1411.9	1268.6	1179.3	1106.5	1050.1
7846.3	30°	7627.9	7357.7	5053.1	2586.5	1644.4	1294.4	1139.4	1050.1	982.0	942.0
8633.3	32.5°	8384.3	8017.8	5121.3	2530.1	1512.9	1160.5	998.4	902.1	850.4	838.7
9403.9	35°	9098.5	8614.5	5114.2	2476.1	1395.4	1026.6	859.8	761.1	721.2	728.3
10233.1	37.5°	9920.7	9251.2	5064.9	2391.5	1299.1	904.4	740.0	653.1	617.8	620.2
11240.9	40°	10876.8	9986.5	5034.3	2231.7	1193.4	791.7	641.3	570.9	545.0	535.6
12302.8	42.5°	11896.4	10698.3	5039.0	2050.9	1061.8	690.7	573.2	514.5	491.0	483.9
13484.4	45°	12920.6	11377.2	5046.1	1862.9	923.2	613.1	523.9	474.5	460.4	451.0
14682.5	47.5°	13883.8	11955.1	4914.5	1660.9	787.0	554.4	483.9	451.0	439.3	427.6
15885.3	50°	14781.2	12340.4	4597.4	1426.0	678.9	507.4	453.4	429.9	418.2	406.4
16975.3	52.5°	15478.9	12401.4	4073.5	1184.0	603.7	472.2	434.6	413.5	399.4	387.6
17856.3	55°	15789.0	12018.5	3328.8	958.5	545.0	441.6	415.8	394.7	378.2	366.5
18549.3	57.5°	15709.1	11212.7	2595.9	770.5	488.6	411.1	392.3	378.2	359.4	340.6
19110.8	60°	15316.8	10134.5	1956.9	641.3	437.0	378.2	366.5	354.7	328.9	300.7
19326.9	62.5°	14637.9	8779.0	1395.4	530.9	380.6	340.6	335.9	326.5	289.0	237.3
19007.4	65°	13599.5	7132.2	939.7	441.6	326.5	298.3	300.7	284.3	234.9	176.2
17837.5	67.5°	12081.9	5215.2	601.4	361.8	272.5	249.0	251.4	242.0	199.7	150.3
15619.8	70°	10148.6	3453.3	392.3	274.9	218.5	192.6	206.7	209.1	169.1	122.2
11988.0	72.5°	7439.9	2039.1	274.9	204.4	159.7	133.9	169.1	173.8	136.3	91.6
7212.0	75°	4240.3	967.9	206.7	148.0	98.7	94.0	131.6	131.6	94.0	61.1
3122.1	77.5°	1780.7	404.1	145.7	96.3	56.4	54.0	89.3	82.2	47.0	28.2
761.1	80°	514.5	180.9	77.5	47.0	23.5	21.1	35.2	25.8	11.7	4.7
289.0	82.5°	202.0	79.9	30.5	18.8	9.4	9.4	4.7	0.0	0.0	0.0
164.4	85°	119.8	32.9	14.1	7.0	2.3	0.0	0.0	0.0	0.0	0.0
35.2	87.5°	30.5	7.0	4.7	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°
<hr/>
4075.9
4047.7
3873.8
3378.2
2682.8
2093.1
1752.5
1515.2
1364.9
1256.8
1148.8
1038.3
935.0
845.7
728.3
629.6
533.3
481.6
451.0
427.6
406.4
385.3
364.1
338.3
296.0
232.6
171.5
143.3
117.5
86.9
56.4
28.2
4.7
0.0
0.0
0.0
0.0

F REPORT)