

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: P847085

Luminaire Tested: **GLAN-SB3A-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847085
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-SB3A-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 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: 9644 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

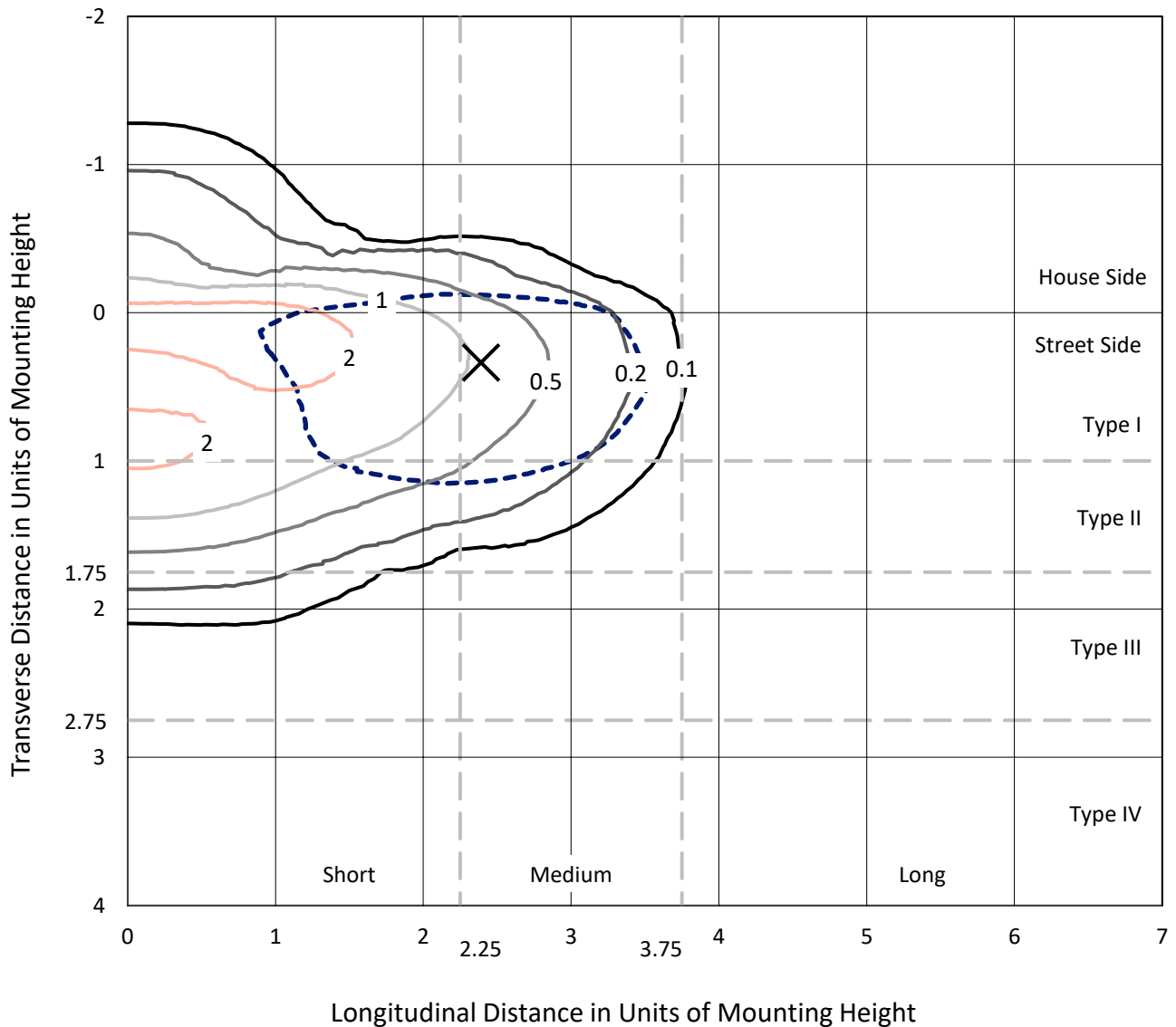
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847085
 CATALOG NUMBER: GLAN-SB3A-735-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

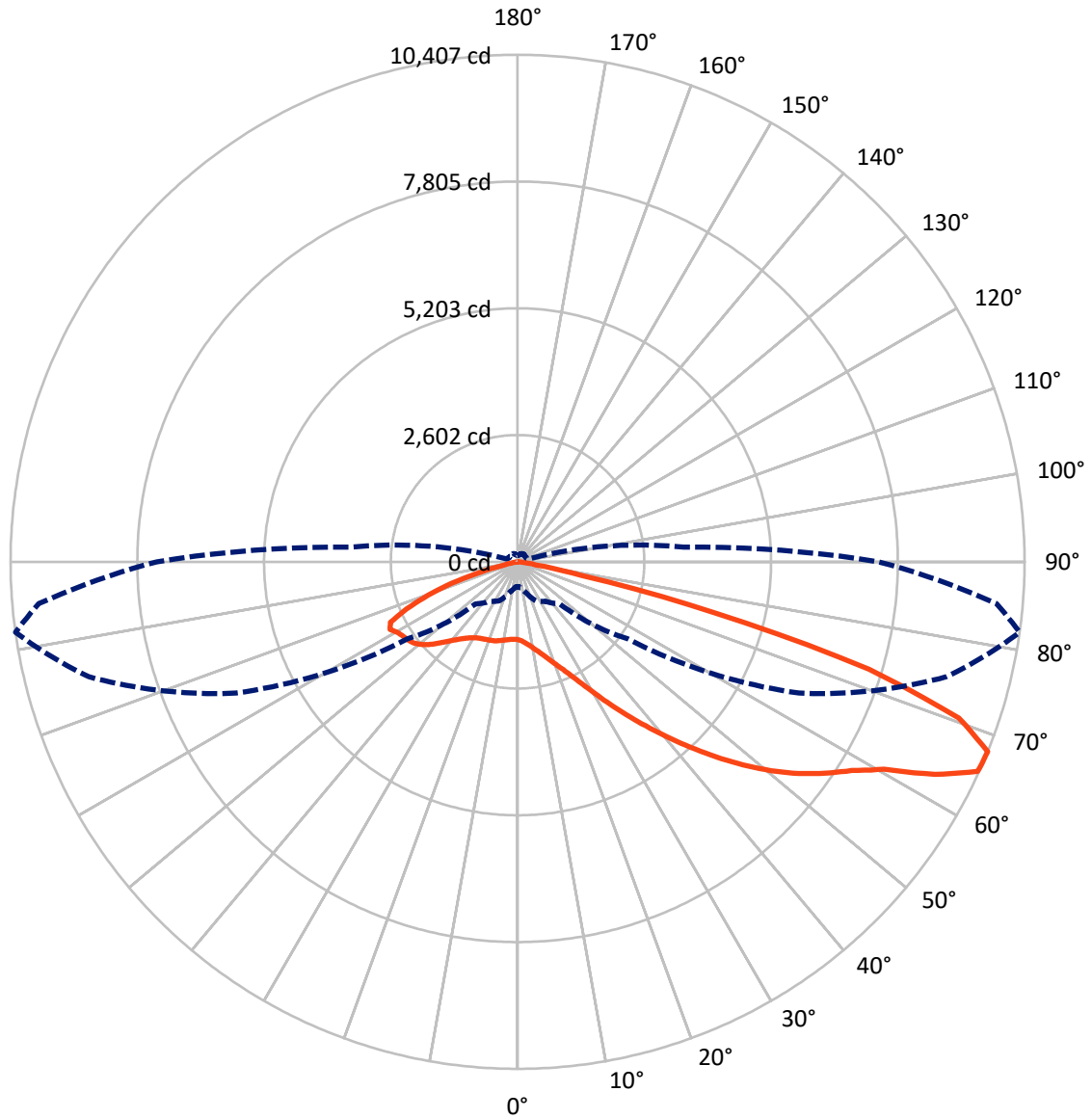
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P847085
CATALOG NUMBER: GLAN-SB3A-735-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847085
 CATALOG NUMBER: GLAN-SB3A-735-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1746.9	0.0	1746.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	7897.1	0.0	7897.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	9644.0	0.0	9644.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.3	1.5
10°-20°	369.9	3.8
20°-30°	592.4	6.1
30°-40°	1047.6	10.9
40°-50°	1835.5	19.0
50°-60°	2448.1	25.4
60°-70°	2279.0	23.6
70°-80°	874.7	9.1
80°-90°	54.3	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°	9644.0	100.0
0°-180°	9644.0	100.0

Coefficient of Utilization

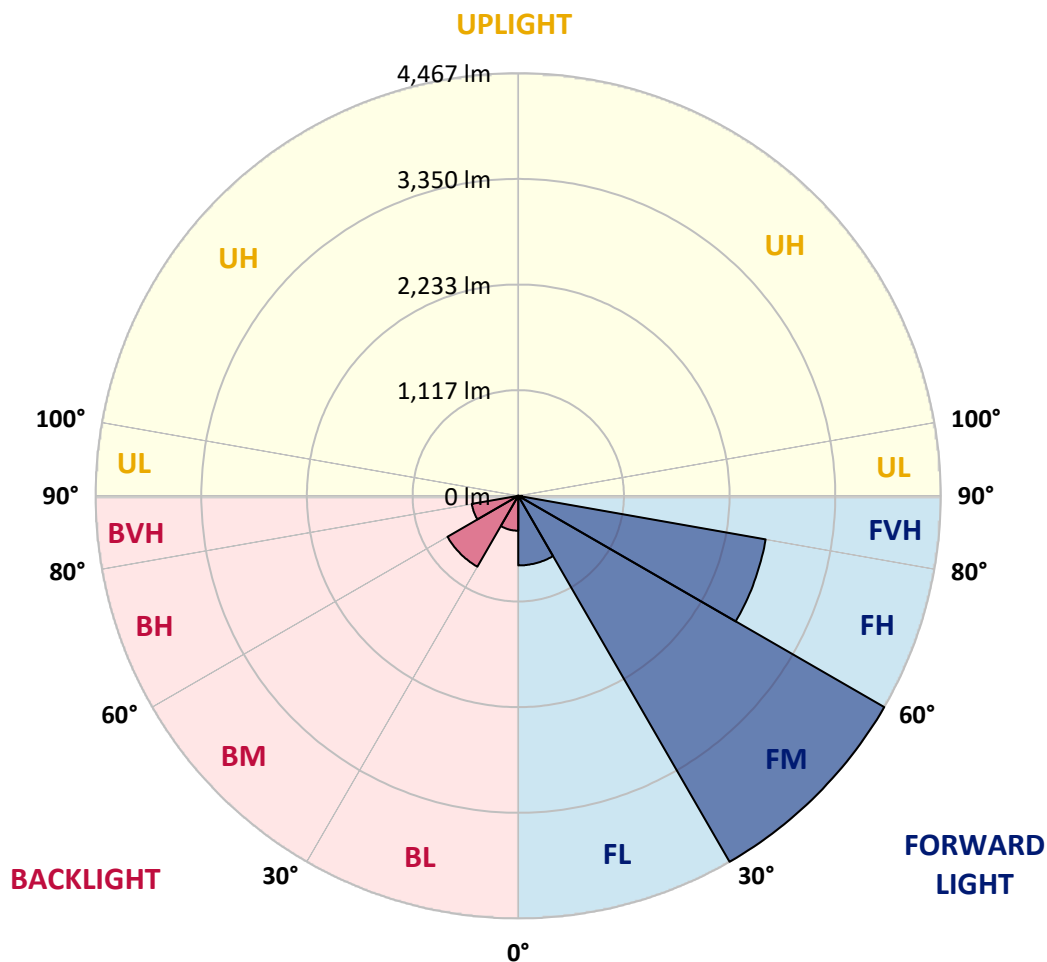


REPORT NUMBER: P847085
 CATALOG NUMBER: GLAN-SB3A-735-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	735.7	7.6			
FM (30°-60°)	4466.7	46.3			
FH (60°-80°)	2655.1	27.5			G2/5000
FVH (80°-90°)	39.5	0.4			G1/100
BL (0°-30°)	368.9	3.8	B1/500		
BM (30°-60°)	864.5	9.0	B1/1000		
BH (60°-80°)	498.6	5.2	B1/500		G1/500
BVH (80°-90°)	14.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium



REPORT NUMBER: P847085
 CATALOG NUMBER: GLAN-SB3A-735-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7
2.5°	1688.6	1698.4	1692.8	1690.0	1685.2	1678.2	1672.7	1655.3	1637.3	1625.5
5°	1722.7	1732.4	1731.7	1734.5	1737.9	1740.0	1738.6	1719.2	1693.5	1673.4
7.5°	1693.5	1704.6	1713.6	1727.5	1751.8	1777.5	1790.0	1785.9	1759.5	1731.7
10°	1610.9	1622.7	1644.2	1676.8	1728.2	1783.8	1830.3	1851.8	1835.1	1804.6
12.5°	1459.5	1471.3	1513.7	1584.5	1670.6	1767.1	1856.0	1913.6	1917.8	1887.2
15°	1289.4	1301.2	1346.3	1435.2	1566.4	1721.3	1869.9	1978.9	2015.7	1989.3
17.5°	1183.9	1194.3	1228.3	1299.8	1436.6	1629.6	1865.0	2048.3	2132.3	2111.5
20°	1151.9	1160.9	1176.9	1226.9	1340.8	1534.5	1833.1	2113.6	2258.0	2246.2
22.5°	1185.9	1194.3	1199.1	1221.4	1292.9	1472.0	1792.8	2180.2	2403.8	2405.2
25°	1264.4	1272.7	1267.2	1281.1	1312.3	1452.6	1777.5	2258.7	2587.1	2602.4
27.5°	1393.5	1394.2	1381.0	1380.4	1385.2	1481.7	1793.5	2342.7	2818.3	2846.8
30°	1652.5	1642.1	1591.4	1536.6	1511.6	1569.2	1837.9	2442.0	3091.2	3141.9
32.5°	2051.8	2036.5	1943.5	1812.2	1680.3	1710.2	1917.8	2555.2	3388.4	3480.0
35°	2485.1	2480.9	2383.7	2188.6	1958.0	1910.8	2047.6	2703.8	3712.7	3858.5
37.5°	2887.8	2885.7	2830.1	2600.3	2319.8	2190.7	2255.9	2898.2	4059.8	4270.9
40°	3255.8	3262.0	3206.5	3001.0	2718.4	2549.6	2539.2	3138.4	4445.9	4720.1
42.5°	3573.8	3580.7	3524.5	3372.4	3112.0	2946.8	2887.1	3432.8	4822.9	5202.7
45°	3789.7	3832.8	3824.4	3702.9	3516.2	3344.7	3305.1	3802.2	5252.7	5714.4
47.5°	3850.8	3890.4	3952.9	3969.6	3855.7	3687.0	3734.2	4247.3	5687.4	6226.9
50°	3700.2	3737.0	3866.8	4039.7	4118.8	4066.8	4151.5	4724.3	6132.4	6737.9
52.5°	3403.0	3440.5	3604.3	3877.9	4200.8	4364.6	4570.2	5194.4	6563.6	7221.9
55°	2973.2	3012.8	3223.1	3532.8	4044.6	4487.5	4919.4	5663.8	6958.7	7657.2
57.5°	2388.5	2417.7	2636.4	3069.7	3651.6	4365.3	5177.0	6176.2	7330.9	8084.9
60°	1556.7	1582.4	1836.5	2319.8	3000.3	3957.1	5228.4	6747.6	7825.3	8641.1
62.5°	1035.3	1052.6	1203.3	1558.1	2112.9	3173.1	4927.8	7203.8	8550.1	9609.0
65°	710.3	727.7	878.3	1125.5	1365.1	2099.0	4063.3	7143.4	9207.0	10377.7
67.5°	506.9	521.5	649.2	882.5	988.1	1219.3	2754.5	6371.3	9112.6	10406.8
70°	363.1	371.5	477.0	687.4	785.3	732.5	1531.7	4872.9	7978.7	9609.7
72.5°	254.1	256.9	331.2	523.5	632.5	534.6	729.1	3248.8	6034.5	7542.7
75°	172.2	175.7	222.9	384.0	507.6	408.3	386.1	1742.1	3542.5	4175.1
77.5°	105.5	106.9	143.7	262.5	379.8	311.1	248.6	738.1	1370.6	1345.6
80°	59.7	59.7	91.7	163.2	259.0	200.7	174.3	313.8	434.0	381.2
82.5°	33.3	34.0	66.7	101.4	171.5	118.7	95.8	145.1	187.5	165.9
85°	13.9	15.3	41.0	47.9	81.9	59.0	38.9	61.1	69.4	61.8
87.5°	1.4	2.1	12.5	9.0	9.7	11.8	5.6	11.8	9.7	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847085
 CATALOG NUMBER: GLAN-SB3A-735-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1597.7	0°	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7	1597.7
1621.3	2.5°	1608.1	1597.7	1571.3	1540.7	1500.5	1481.0	1454.6	1436.6	1421.3	1422.7
1661.6	5°	1639.3	1613.0	1553.9	1480.3	1388.7	1323.4	1254.0	1206.1	1167.2	1158.9
1717.1	7.5°	1682.4	1640.7	1537.3	1404.7	1249.8	1132.5	1027.6	960.3	912.4	897.1
1784.5	10°	1737.9	1677.5	1515.8	1309.5	1086.6	937.4	824.9	772.1	739.5	728.4
1863.6	12.5°	1802.5	1719.9	1487.3	1193.6	918.6	774.9	703.4	677.0	666.6	663.1
1960.8	15°	1883.8	1772.7	1444.2	1056.1	776.3	675.6	645.0	641.6	643.0	641.6
2077.5	17.5°	1980.3	1830.3	1374.1	914.5	680.5	624.9	613.8	616.6	620.0	619.4
2208.0	20°	2085.8	1887.2	1284.5	788.8	615.2	588.8	582.6	585.3	588.1	586.7
2358.7	22.5°	2205.9	1948.3	1185.2	690.9	571.4	555.5	548.5	549.2	549.2	546.4
2549.6	25°	2349.7	2015.7	1081.1	621.4	538.1	525.6	517.3	514.5	510.3	502.0
2781.5	27.5°	2521.2	2087.2	981.1	572.8	511.7	499.9	490.2	483.3	472.8	459.0
3060.0	30°	2714.2	2174.0	896.4	542.3	490.9	479.1	468.0	457.6	442.3	424.9
3380.1	32.5°	2941.2	2267.0	834.6	522.1	472.2	459.7	446.5	434.0	417.3	399.9
3739.7	35°	3212.0	2379.5	798.5	508.3	457.6	440.9	426.3	412.4	399.9	384.7
4130.6	37.5°	3505.7	2498.9	787.4	501.3	447.9	422.2	405.5	395.8	394.4	385.4
4553.5	40°	3827.2	2640.6	795.7	497.1	437.4	404.1	386.1	384.0	387.4	371.5
5005.5	42.5°	4167.4	2808.6	809.6	492.3	422.9	386.1	368.7	368.7	365.9	343.7
5483.2	45°	4535.5	3002.3	823.5	480.5	405.5	368.0	354.8	349.9	338.1	316.6
5963.7	47.5°	4906.2	3199.5	833.9	459.0	384.7	352.7	340.9	329.8	312.5	293.0
6435.2	50°	5258.3	3376.6	822.8	427.0	361.1	338.1	325.6	310.4	291.6	278.4
6881.6	52.5°	5572.8	3530.0	775.6	389.5	336.1	322.9	311.8	295.8	280.5	266.6
7284.4	55°	5846.4	3654.3	692.3	354.1	313.8	309.7	298.6	278.4	257.6	245.8
7683.6	57.5°	6108.8	3748.8	588.1	325.0	293.7	295.1	278.4	260.4	240.9	228.4
8221.7	60°	6458.1	3875.1	482.6	297.9	272.2	276.3	258.3	245.1	220.8	204.8
9144.5	62.5°	7016.3	4071.6	383.3	264.5	247.2	248.6	240.9	225.0	195.8	177.1
9828.4	65°	7459.3	3999.4	302.0	228.4	218.7	220.8	220.8	203.4	172.2	150.7
9865.2	67.5°	7409.3	3424.5	240.9	193.0	191.6	193.0	197.9	183.3	152.8	135.4
9114.0	70°	6825.4	2723.9	193.0	160.4	166.6	163.2	177.1	167.3	137.5	120.1
7065.6	72.5°	5569.3	1962.2	147.2	132.6	127.8	133.3	159.7	150.7	114.6	95.1
3742.5	75°	3254.4	1047.1	109.7	104.8	92.3	111.1	141.6	128.5	87.5	70.1
1147.1	77.5°	1059.6	365.2	80.5	77.1	68.7	89.6	120.8	108.3	71.5	55.5
336.1	80°	284.0	110.4	54.9	50.7	44.4	66.7	95.8	86.1	51.4	36.1
144.4	82.5°	113.9	46.5	31.9	28.5	24.3	45.8	75.7	69.4	38.2	22.9
45.1	85°	36.8	15.3	11.8	9.0	11.1	28.5	45.1	47.2	27.1	11.8
6.9	87.5°	4.9	2.1	2.1	2.8	2.1	4.9	13.9	13.2	7.6	1.4
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/>
1597.7
1408.8
1140.1
881.8
720.0
661.0
640.9
618.0
586.0
545.1
500.6
457.6
423.5
400.6
383.3
384.7
372.2
343.7
315.9
292.3
276.3
265.2
244.4
227.1
202.7
175.7
148.6
132.6
118.0
93.0
68.0
53.5
35.4
22.9
9.0
0.0
0.0

F REPORT)