

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: P850996

Luminaire Tested: **GLAN-SB8D-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 80008 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B5 - U0 - G5

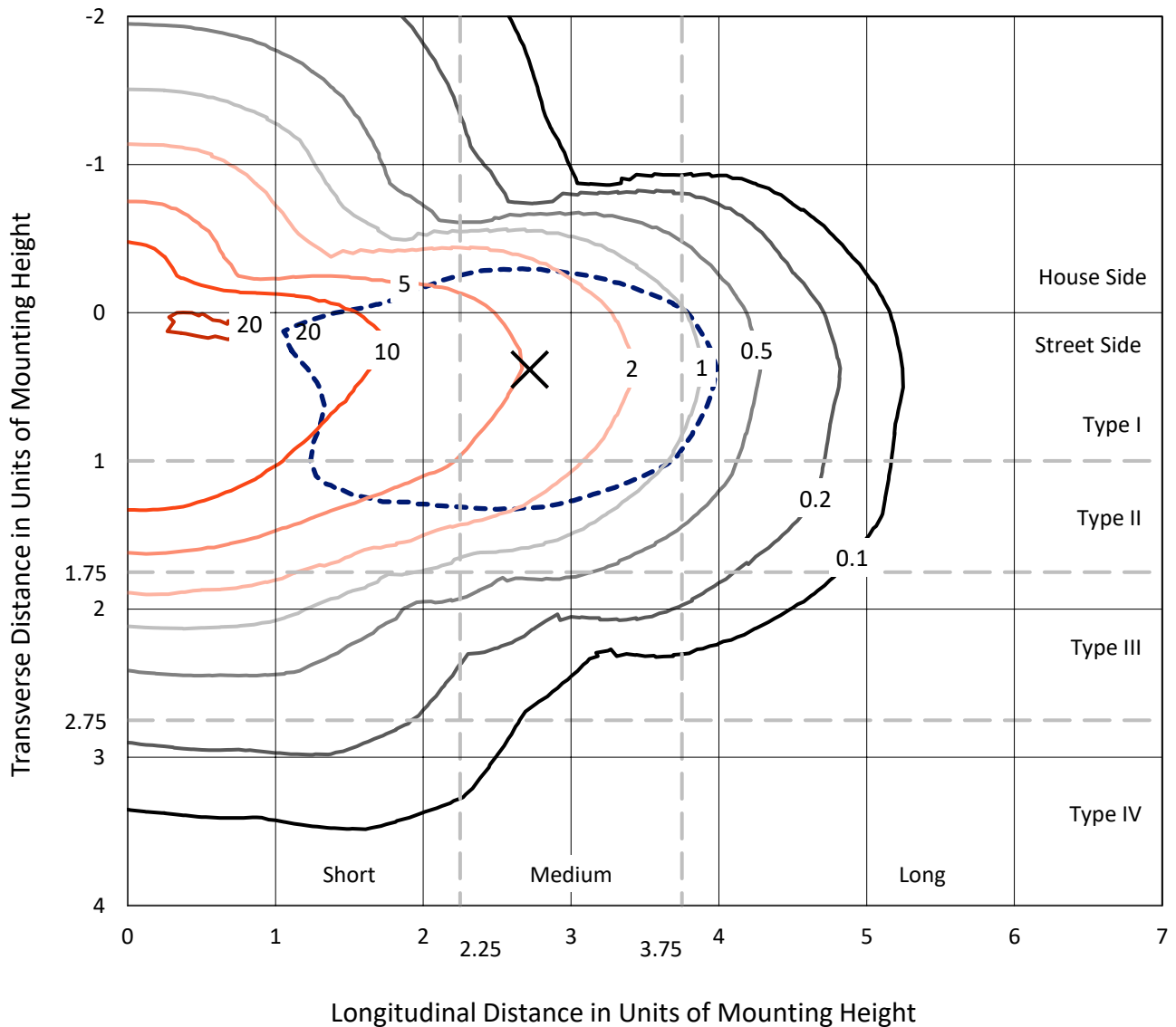
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850996
 CATALOG NUMBER: GLAN-SB8D-735-U-T2

Iso-Footcandle Lines of Horizontal Illumination

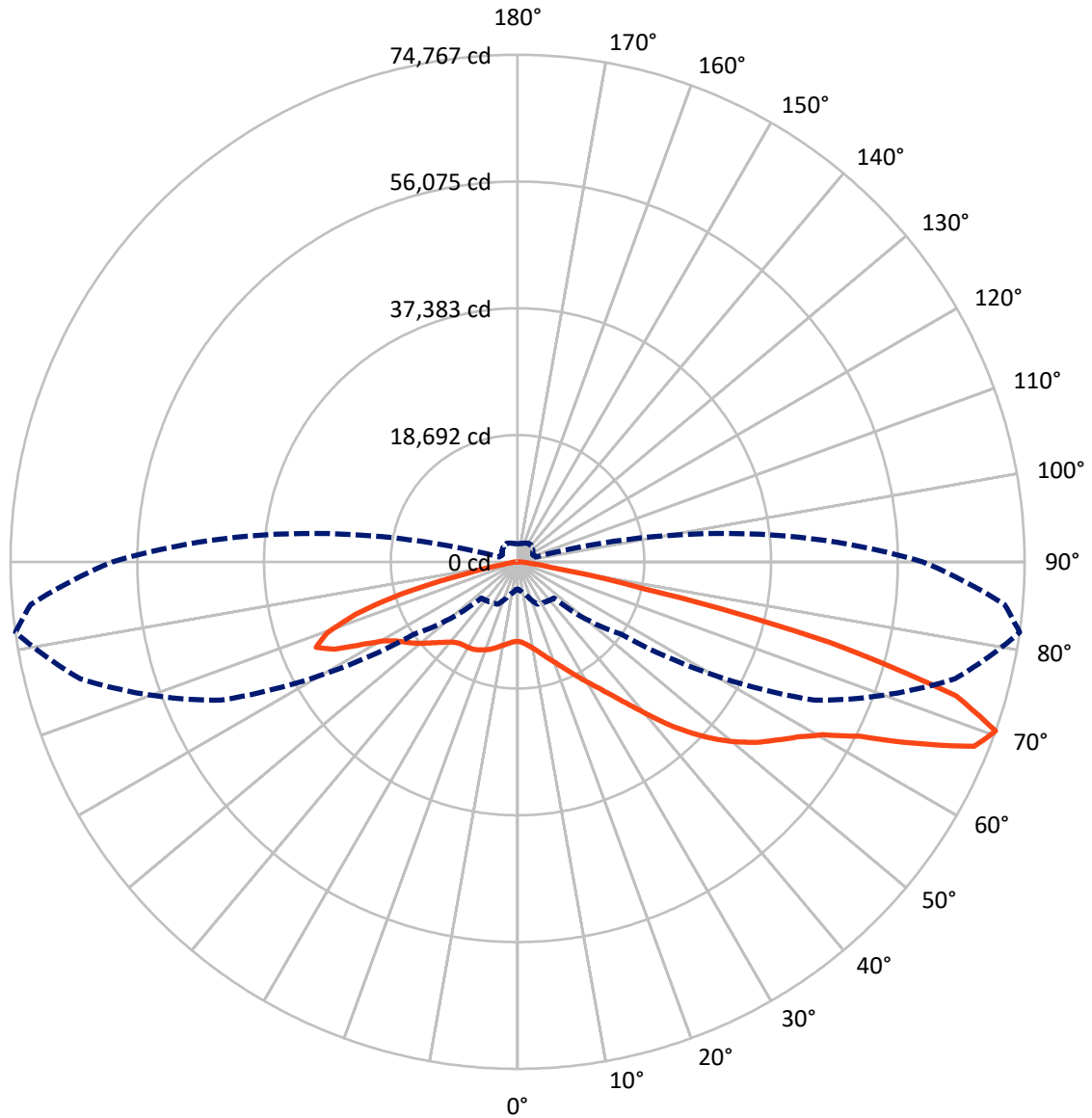
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P850996
CATALOG NUMBER: GLAN-SB8D-735-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P850996
 CATALOG NUMBER: GLAN-SB8D-735-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19723.9	0.0	19723.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	60284.1	0.0	60284.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	80008.0	0.0	80008.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1107.5	1.4
10°-20°	3182.0	4.0
20°-30°	5323.2	6.7
30°-40°	8316.2	10.4
40°-50°	13244.5	16.6
50°-60°	18431.4	23.0
60°-70°	19280.0	24.1
70°-80°	10076.8	12.6
80°-90°	1046.4	1.3
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°	80008.0	100.0
0°-180°	80008.0	100.0

Coefficient of Utilization

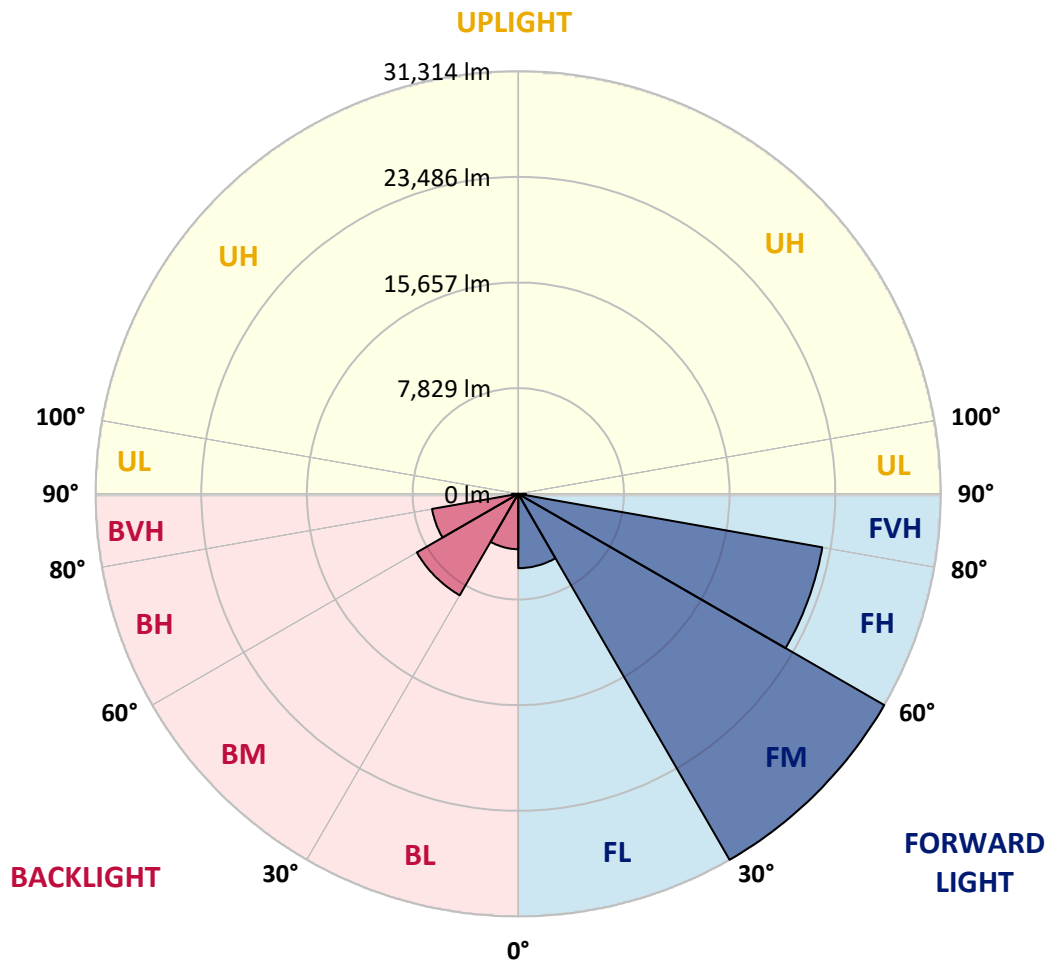


REPORT NUMBER: P850996
 CATALOG NUMBER: GLAN-SB8D-735-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5509.4	6.9			
FM (30°-60°)	31314.3	39.1			
FH (60°-80°)	22874.5	28.6			G5
FVH (80°-90°)	585.8	0.7			G4/750
BL (0°-30°)	4103.3	5.1	B4/5000		
BM (30°-60°)	8677.7	10.8	B5		
BH (60°-80°)	6482.3	8.1	B5		G5
BVH (80°-90°)	460.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type II Medium



REPORT NUMBER: P850996
 CATALOG NUMBER: GLAN-SB8D-735-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	11730.2	11730.2	11730.2	11730.2	11730.2	11730.2	11730.2	11730.2	11730.2	11730.2
2.5°	12010.4	12078.3	12057.1	12035.8	12035.8	12006.1	12001.9	11959.4	11925.5	11870.3
5°	12163.2	12235.4	12226.9	12243.9	12299.1	12311.8	12324.5	12299.1	12231.1	12163.2
7.5°	12027.4	12108.0	12133.5	12235.4	12405.2	12558.0	12672.7	12719.4	12655.7	12558.0
10°	11568.8	11658.0	11747.2	11989.1	12290.6	12651.4	12957.1	13139.7	13126.9	13033.5
12.5°	10639.1	10732.5	10923.5	11394.8	11946.7	12583.5	13152.4	13534.5	13666.1	13598.2
15°	9896.1	9976.8	10121.1	10605.1	11322.6	12290.6	13224.6	13967.5	14302.9	14264.7
17.5°	9874.9	9908.9	9998.0	10227.3	10779.2	11832.1	13148.2	14392.1	15033.1	15028.9
20°	10248.5	10261.2	10312.2	10358.9	10673.1	11483.9	12952.9	14744.4	15852.5	15852.5
22.5°	10766.5	10758.0	10808.9	10766.5	10919.3	11454.2	12829.7	15054.4	16765.3	16833.2
25°	11543.4	11500.9	11488.2	11390.5	11420.3	11730.2	12965.6	15406.7	17847.9	17988.0
27.5°	12579.3	12511.3	12464.6	12239.6	12163.2	12299.1	13381.7	15831.3	19053.6	19295.6
30°	13929.3	13806.2	13738.3	13347.7	13071.7	13093.0	14010.0	16395.9	20314.5	20705.1
32.5°	15771.8	15580.8	15398.2	14757.2	14252.0	14086.4	14820.9	17177.1	21681.5	22305.6
35°	17835.1	17682.3	17487.0	16497.8	15720.9	15338.8	15916.2	18268.2	23282.0	24271.2
37.5°	19822.0	19690.4	19783.8	18450.7	17448.8	16892.6	17351.1	19732.8	25256.2	26716.6
40°	21876.8	21774.9	21787.6	20514.0	19346.5	18722.4	19091.8	21571.1	27519.0	29624.7
42.5°	24109.9	24033.5	23778.8	22649.5	21337.6	20756.0	21095.6	23693.8	29947.4	32936.2
45°	26610.5	26563.8	26326.0	25031.2	23528.3	22874.5	23333.0	26037.3	32388.5	36052.3
47.5°	28771.4	28809.6	28779.9	27688.8	26130.7	25171.3	25718.9	28482.7	34659.8	38981.7
50°	29811.5	30011.1	30304.0	29964.4	28996.4	28020.0	28126.1	30843.2	36825.0	41728.5
52.5°	29268.1	29646.0	30444.1	30987.5	31361.1	31157.3	30872.9	33186.7	38862.8	44207.9
55°	27243.0	27773.7	29098.3	30410.1	32316.4	33798.0	34171.6	35784.9	40849.7	46390.0
57.5°	23553.7	24415.6	25604.3	28257.7	31467.3	35075.9	38018.0	39389.3	42955.4	48720.8
60°	17228.0	18382.8	19860.2	23808.5	28495.4	34392.4	41291.2	44925.3	45948.5	51739.3
62.5°	11025.4	11738.7	13097.2	16816.2	22203.7	30889.9	42293.2	51845.4	51021.8	56689.5
65°	7548.4	8006.9	9250.8	11339.6	14353.9	22993.3	39610.0	57033.4	59079.7	64535.1
67.5°	5485.1	5833.2	6894.6	8724.4	9352.7	13606.7	30737.0	56795.6	66912.5	72618.4
70°	3999.2	4245.4	5137.0	6894.6	7196.0	7569.6	18620.5	48279.2	66742.7	74766.6
72.5°	2963.3	3133.1	3731.7	5349.3	5824.8	5111.5	9216.9	35088.6	57351.8	67625.7
75°	2144.0	2271.3	2712.8	4092.6	4661.5	3893.1	4597.8	20505.5	40004.9	47570.2
77.5°	1638.7	1736.4	2025.1	2997.3	3731.7	2920.9	2852.9	9433.4	18968.7	19062.1
80°	1316.1	1379.8	1536.9	2110.0	2861.4	2186.4	1859.5	3808.2	5994.6	5073.3
82.5°	968.0	1074.1	1299.1	1481.7	2046.3	1507.1	1133.5	1923.2	2279.8	1961.4
85°	551.9	624.1	785.4	1061.4	1307.6	921.3	649.6	853.3	1061.4	870.3
87.5°	195.3	254.7	276.0	416.1	568.9	382.1	250.5	246.2	348.1	259.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850996
 CATALOG NUMBER: GLAN-SB8D-735-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
11730.2	0°	11730.2	11730.2	11730.2	11730.2	11730.2	11730.2	11730.2	11730.2	11730.2	11730.2
11857.5	2.5°	11815.1	11793.9	11708.9	11594.3	11475.4	11360.8	11322.6	11241.9	11186.8	11157.0
12133.5	5°	12052.8	11984.9	11785.4	11530.6	11263.2	10974.5	10770.7	10583.9	10448.0	10320.7
12511.3	7.5°	12392.5	12273.6	11929.7	11483.9	11008.4	10528.7	10172.1	9900.4	9717.8	9599.0
12952.9	10°	12787.3	12604.7	12078.3	11411.8	10677.3	9989.5	9569.2	9335.7	9221.1	9157.4
13458.1	12.5°	13241.6	12982.6	12231.1	11246.2	10172.1	9386.7	9098.0	9030.1	9034.3	9038.6
14094.9	15°	13802.0	13441.1	12354.3	10885.3	9514.0	8923.9	8873.0	8983.4	9098.0	9153.2
14816.6	17.5°	14434.5	13925.1	12375.5	10291.0	8868.7	8626.8	8788.1	9025.8	9199.9	9276.3
15623.2	20°	15113.8	14417.5	12222.6	9450.4	8338.1	8384.8	8673.5	8979.1	9170.2	9267.8
16544.5	22.5°	15890.7	14944.0	11857.5	8567.3	7905.0	8121.5	8461.2	8758.4	8957.9	9055.5
17627.1	25°	16778.0	15534.1	11284.4	7824.4	7531.4	7824.4	8164.0	8410.2	8571.6	8660.7
18837.1	27.5°	17763.0	16149.7	10520.2	7234.2	7204.5	7518.7	7798.9	7989.9	8074.8	8142.8
20123.4	30°	18752.1	16710.1	9594.7	6788.5	6920.1	7217.3	7416.8	7501.7	7527.2	7539.9
21558.4	32.5°	19822.0	17194.1	8622.5	6419.1	6648.4	6924.3	7043.2	7081.4	6962.5	6881.9
23299.0	35°	21116.9	17712.0	7671.5	6126.2	6380.9	6618.7	6656.9	6622.9	6482.8	6317.2
25481.2	37.5°	22717.4	18357.3	6911.6	5918.2	6130.4	6287.5	6240.8	6232.3	6245.1	6049.8
28104.9	40°	24678.8	19197.9	6355.4	5756.8	5926.6	5960.6	5829.0	5901.2	5964.9	5667.7
30983.3	42.5°	26856.7	20212.6	6003.1	5646.4	5756.8	5676.2	5472.4	5553.0	5544.6	5154.0
33874.4	45°	29077.1	21316.4	5879.9	5565.8	5599.7	5438.4	5213.4	5234.6	5056.3	4704.0
36646.7	47.5°	31284.7	22500.9	5956.4	5497.9	5404.5	5221.9	5047.8	4954.4	4691.2	4428.0
39304.4	50°	33449.9	23744.8	6236.6	5362.0	5137.0	5030.9	4903.5	4737.9	4457.7	4232.7
41817.7	52.5°	35458.0	24997.2	6550.7	5137.0	4801.6	4865.3	4784.6	4593.6	4317.6	4088.4
44195.1	55°	37359.9	26249.6	6673.8	4827.1	4487.4	4720.9	4674.2	4321.9	3990.7	3803.9
46682.9	57.5°	39431.7	27756.7	6538.0	4432.2	4232.7	4555.4	4377.1	3986.5	3795.4	3655.3
49922.2	60°	42301.6	30121.5	6245.1	3944.0	3990.7	4309.1	4003.5	3842.1	3634.1	3477.0
54779.0	62.5°	47069.3	34532.5	5773.8	3460.0	3706.3	3944.0	3825.1	3663.8	3451.5	3298.7
63083.1	65°	54116.7	40662.9	4886.5	3082.2	3387.9	3587.4	3634.1	3472.8	3252.0	3090.7
70359.8	67.5°	60060.4	44509.3	3697.8	2768.0	3061.0	3298.7	3430.3	3273.2	3039.7	2882.7
72062.2	70°	59733.5	41715.8	2823.2	2458.1	2772.3	3014.3	3184.1	3061.0	2810.5	2661.9
65456.3	72.5°	53055.4	34897.6	2284.1	2144.0	2479.3	2717.1	2920.9	2827.5	2572.7	2428.4
47952.3	75°	38977.5	24772.2	1825.5	1825.5	2114.2	2407.2	2632.2	2572.7	2339.2	2237.4
20131.9	77.5°	16429.9	10392.9	1430.7	1515.6	1757.6	2067.5	2347.7	2369.0	2165.2	2292.5
5323.8	80°	4368.6	2865.7	1091.1	1193.0	1379.8	1706.7	2042.1	2033.6	1812.8	1693.9
1978.4	82.5°	1664.2	1129.3	776.9	840.6	997.7	1307.6	1617.5	1668.5	1447.7	1252.4
776.9	85°	641.1	484.0	479.7	505.2	581.6	866.1	1222.7	1265.1	1091.1	925.5
216.5	87.5°	165.6	144.3	178.3	169.8	267.5	462.8	700.5	726.0	666.5	386.3
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°
11730.2
11191.0
10371.6
9624.4
9174.4
9047.1
9148.9
9293.3
9293.3
9081.0
8686.2
8168.2
7569.6
6907.3
6325.7
6062.5
5676.2
5149.7
4716.7
4428.0
4215.7
4092.6
3786.9
3642.6
3468.5
3298.7
3099.2
2886.9
2674.6
2428.4
2207.6
2080.3
1575.1
1252.4
955.2
551.9
0.0

F REPORT)