

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: P851736

Luminaire Tested: **GLAN-SB9D-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851736
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-SB9D-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 76040 lumens
Efficiency: N/A
Efficacy: 115.6 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

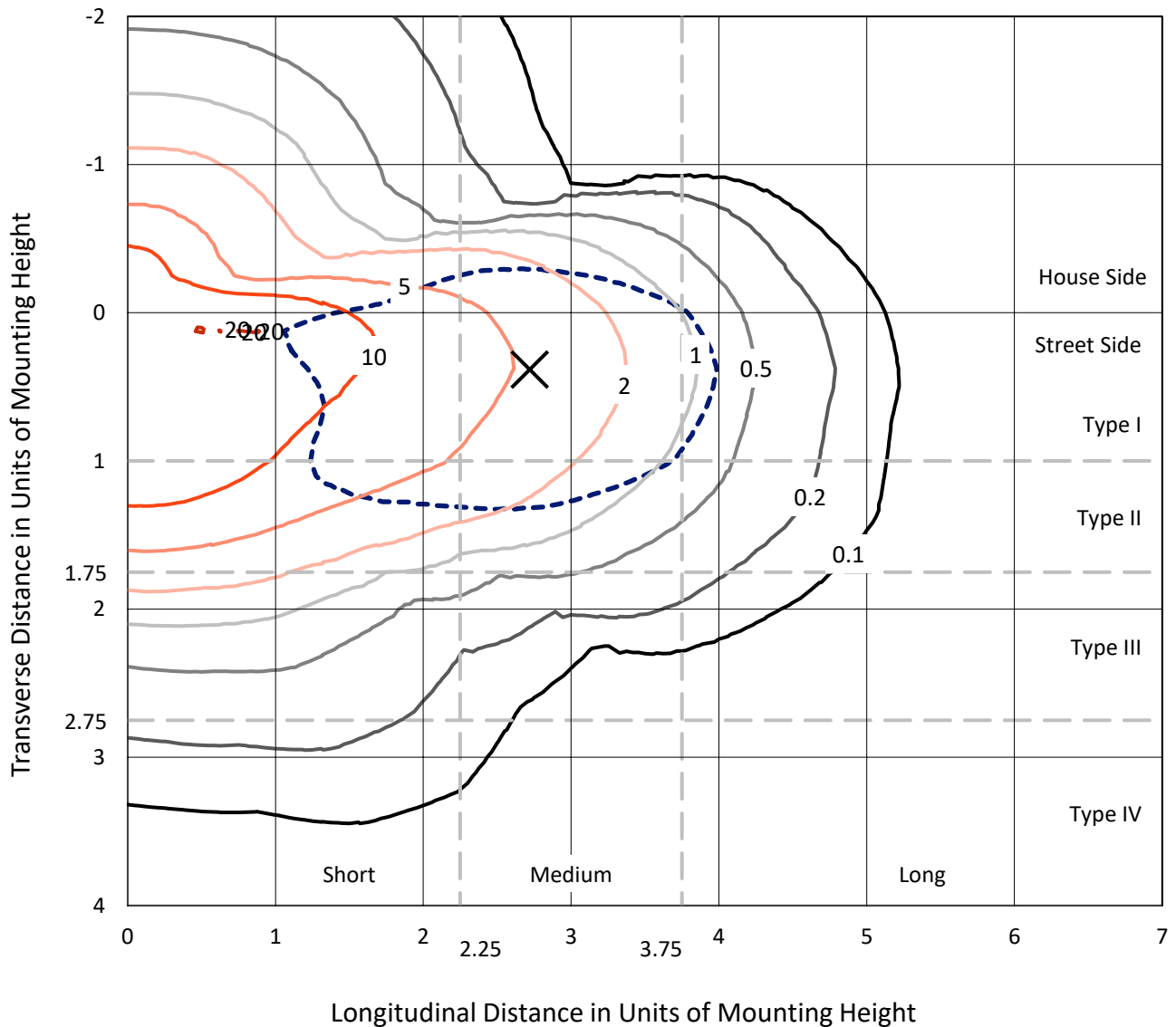
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851736
 CATALOG NUMBER: GLAN-SB9D-835-U-T2

Iso-Footcandle Lines of Horizontal Illumination

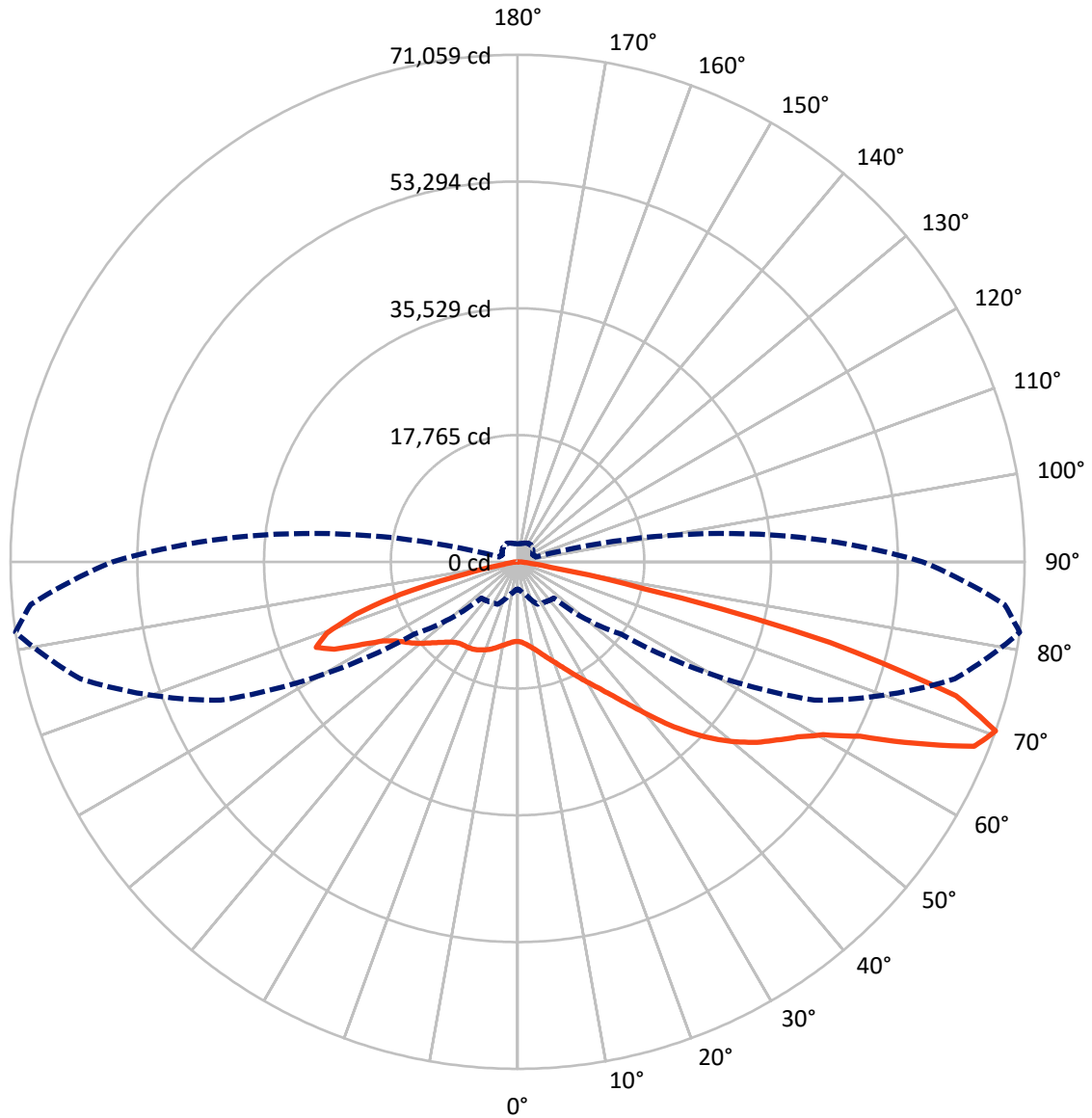
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P851736
CATALOG NUMBER: GLAN-SB9D-835-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851736
 CATALOG NUMBER: GLAN-SB9D-835-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18745.7	0.0	18745.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	57294.3	0.0	57294.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	76040.0	0.0	76040.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1052.6	1.4
10°-20°	3024.2	4.0
20°-30°	5059.2	6.7
30°-40°	7903.8	10.4
40°-50°	12587.6	16.6
50°-60°	17517.3	23.0
60°-70°	18323.8	24.1
70°-80°	9577.0	12.6
80°-90°	994.5	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°	76040.0	100.0
0°-180°	76040.0	100.0

Coefficient of Utilization

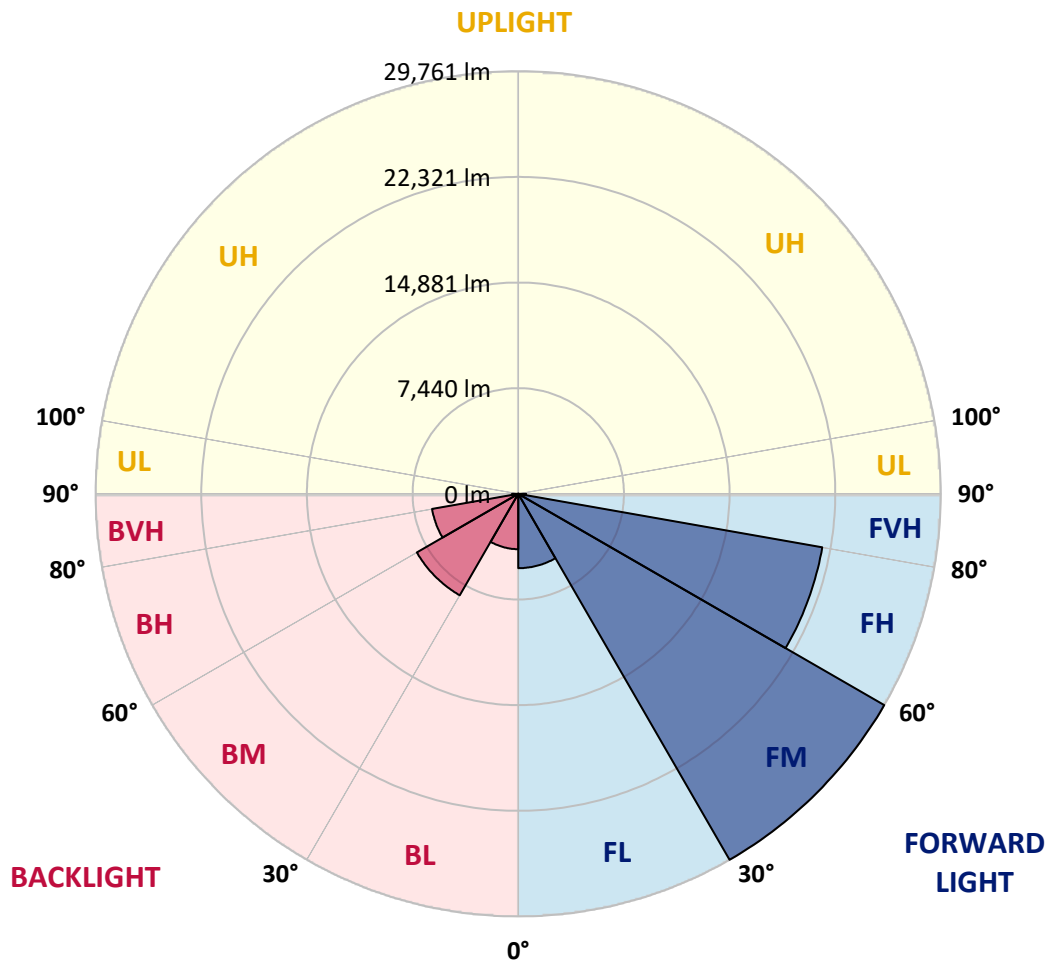


REPORT NUMBER: P851736
 CATALOG NUMBER: GLAN-SB9D-835-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5236.2	6.9			
FM (30°-60°)	29761.3	39.1			
FH (60°-80°)	21740.1	28.6			G5
FVH (80°-90°)	556.7	0.7			G4/750
BL (0°-30°)	3899.8	5.1	B4/5000		
BM (30°-60°)	8247.4	10.8	B4/8500		
BH (60°-80°)	6160.8	8.1	B5		G5
BVH (80°-90°)	437.8	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: P851736
 CATALOG NUMBER: GLAN-SB9D-835-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	11148.4	11148.4	11148.4	11148.4	11148.4	11148.4	11148.4	11148.4	11148.4	11148.4
2.5°	11414.7	11479.3	11459.1	11438.9	11438.9	11410.7	11406.6	11366.3	11334.0	11281.6
5°	11560.0	11628.6	11620.5	11636.6	11689.1	11701.2	11713.3	11689.1	11624.5	11560.0
7.5°	11430.9	11507.5	11531.7	11628.6	11790.0	11935.2	12044.2	12088.5	12028.0	11935.2
10°	10995.1	11079.8	11164.6	11394.5	11681.0	12024.0	12314.5	12488.0	12475.9	12387.1
12.5°	10111.4	10200.2	10381.8	10829.7	11354.2	11959.4	12500.1	12863.2	12988.3	12923.8
15°	9405.3	9482.0	9619.2	10079.2	10761.1	11681.0	12568.7	13274.8	13593.6	13557.2
17.5°	9385.2	9417.4	9502.2	9720.1	10244.6	11245.3	12496.1	13678.3	14287.6	14283.5
20°	9740.2	9752.3	9800.8	9845.1	10143.7	10914.4	12310.5	14013.2	15066.3	15066.3
22.5°	10232.5	10224.4	10272.8	10232.5	10377.7	10886.1	12193.5	14307.7	15933.8	15998.4
25°	10970.9	10930.5	10918.4	10825.6	10853.9	11148.4	12322.6	14642.6	16962.7	17095.9
27.5°	11955.4	11890.8	11846.5	11632.6	11560.0	11689.1	12718.0	15046.1	18108.6	18338.6
30°	13238.5	13121.5	13056.9	12685.7	12423.4	12443.6	13315.2	15582.8	19307.0	19678.2
32.5°	14989.6	14808.1	14634.6	14025.3	13545.1	13387.8	14085.8	16325.2	20606.2	21199.3
35°	16950.6	16805.3	16619.7	15679.6	14941.2	14578.1	15126.8	17362.2	22127.4	23067.5
37.5°	18838.9	18713.8	18802.6	17535.7	16583.4	16054.8	16490.6	18754.2	24003.6	25391.6
40°	20791.8	20695.0	20707.1	19496.6	18387.0	17793.9	18144.9	20501.3	26154.2	28155.5
42.5°	22914.2	22841.5	22599.4	21526.2	20279.4	19726.6	20049.4	22518.7	28462.1	31302.7
45°	25290.7	25246.3	25020.4	23789.7	22361.4	21740.0	22175.8	24746.0	30782.2	34264.3
47.5°	27344.5	27380.8	27352.6	26315.6	24834.8	23922.9	24443.4	27070.1	32940.9	37048.4
50°	28333.0	28522.7	28801.1	28478.3	27558.3	26630.3	26731.2	29313.5	34998.7	39659.0
52.5°	27816.6	28175.7	28934.2	29450.7	29805.8	29612.1	29341.8	31540.8	36935.4	42015.4
55°	25891.9	26396.3	27655.2	28902.0	30713.6	32121.8	32476.9	34010.1	38823.8	44089.3
57.5°	22385.6	23204.7	24334.5	26856.3	29906.6	33336.3	36132.5	37435.8	40825.1	46304.5
60°	16373.6	17471.1	18875.2	22627.7	27082.2	32686.7	39243.4	42697.3	43669.7	49173.3
62.5°	10478.6	11156.5	12447.7	15982.2	21102.5	29357.9	40195.6	49274.1	48491.4	53878.0
65°	7174.0	7609.8	8792.0	10777.2	13642.0	21853.0	37645.6	54204.8	56149.6	61334.4
67.5°	5213.1	5543.9	6552.7	8291.7	8888.9	12931.8	29212.6	53978.8	63594.0	69016.9
70°	3800.9	4034.9	4882.2	6552.7	6839.1	7194.2	17697.0	45884.8	63432.6	71058.5
72.5°	2816.4	2977.8	3546.7	5084.0	5535.9	4858.0	8759.8	33348.4	54507.4	64271.8
75°	2037.6	2158.7	2578.3	3889.6	4430.3	3700.0	4369.8	19488.5	38020.8	45211.0
77.5°	1557.5	1650.3	1924.6	2848.6	3546.7	2776.0	2711.4	8965.5	18027.9	18116.7
80°	1250.8	1311.3	1460.6	2005.3	2719.5	2078.0	1767.3	3619.3	5697.3	4821.7
82.5°	920.0	1020.8	1234.7	1408.2	1944.8	1432.4	1077.3	1827.8	2166.7	1864.1
85°	524.5	593.1	746.5	1008.7	1242.7	875.6	617.3	811.0	1008.7	827.2
87.5°	185.6	242.1	262.3	395.4	540.7	363.1	238.1	234.0	330.9	246.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851736
 CATALOG NUMBER: GLAN-SB9D-835-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
11148.4	0°	11148.4	11148.4	11148.4	11148.4	11148.4	11148.4	11148.4	11148.4	11148.4	11148.4
11269.5	2.5°	11229.1	11208.9	11128.2	11019.3	10906.3	10797.4	10761.1	10684.4	10631.9	10603.7
11531.7	5°	11455.1	11390.5	11200.9	10958.8	10704.6	10430.2	10236.5	10059.0	9929.9	9808.8
11890.8	7.5°	11777.9	11664.9	11338.1	10914.4	10462.5	10006.5	9667.6	9409.4	9235.9	9122.9
12310.5	10°	12153.1	11979.6	11479.3	10845.8	10147.8	9494.1	9094.7	8872.7	8763.8	8703.3
12790.6	12.5°	12584.8	12338.7	11624.5	10688.4	9667.6	8921.2	8646.8	8582.2	8586.3	8590.3
13395.9	15°	13117.4	12774.5	11741.5	10345.5	9042.2	8481.3	8432.9	8537.8	8646.8	8699.2
14081.8	17.5°	13718.6	13234.5	11761.7	9780.6	8428.9	8198.9	8352.2	8578.2	8743.6	8816.2
14848.4	20°	14364.2	13702.5	11616.5	8981.7	7924.5	7968.9	8243.3	8533.8	8715.4	8808.2
15724.0	22.5°	15102.6	14202.8	11269.5	8142.4	7513.0	7718.8	8041.5	8324.0	8513.6	8606.4
16752.9	25°	15945.9	14763.7	10724.8	7436.3	7157.9	7436.3	7759.1	7993.1	8146.5	8231.2
17902.8	27.5°	16882.0	15348.7	9998.5	6875.5	6847.2	7145.8	7412.1	7593.7	7674.4	7738.9
19125.4	30°	17822.1	15881.3	9118.9	6451.8	6576.9	6859.3	7049.0	7129.7	7153.9	7166.0
20489.2	32.5°	18838.9	16341.3	8194.9	6100.8	6318.6	6580.9	6693.9	6730.2	6617.2	6540.6
22143.5	35°	20069.6	16833.6	7291.1	5822.4	6064.4	6290.4	6326.7	6294.4	6161.3	6003.9
24217.4	37.5°	21590.7	17446.9	6568.8	5624.6	5826.4	5975.7	5931.3	5923.2	5935.3	5749.7
26711.0	40°	23454.8	18245.8	6040.2	5471.3	5632.7	5665.0	5539.9	5608.5	5669.0	5386.6
29446.7	42.5°	25524.7	19210.1	5705.3	5366.4	5471.3	5394.7	5201.0	5277.6	5269.6	4898.4
32194.4	45°	27635.0	20259.2	5588.3	5289.7	5322.0	5168.7	4954.9	4975.0	4805.6	4470.7
34829.2	47.5°	29733.1	21384.9	5661.0	5225.2	5136.4	4962.9	4797.5	4708.7	4458.6	4208.4
37355.1	50°	31790.9	22567.2	5927.3	5096.1	4882.2	4781.4	4660.3	4502.9	4236.6	4022.8
39743.7	52.5°	33699.4	23757.5	6225.8	4882.2	4563.5	4624.0	4547.3	4365.8	4103.5	3885.6
42003.3	55°	35507.1	24947.8	6342.9	4587.7	4264.9	4486.8	4442.4	4107.5	3792.8	3615.3
44367.7	57.5°	37476.1	26380.1	6213.7	4212.4	4022.8	4329.4	4160.0	3788.8	3607.2	3474.0
47446.3	60°	40203.7	28627.6	5935.3	3748.4	3792.8	4095.4	3804.9	3651.6	3453.9	3304.6
52062.3	62.5°	44734.9	32819.8	5487.5	3288.4	3522.5	3748.4	3635.4	3482.1	3280.4	3135.1
59954.5	65°	51432.8	38646.2	4644.2	2929.3	3219.8	3409.5	3453.9	3300.5	3090.7	2937.4
66870.3	67.5°	57081.7	42301.8	3514.4	2630.8	2909.2	3135.1	3260.2	3110.9	2889.0	2739.7
68488.3	70°	56771.0	39646.9	2683.2	2336.2	2634.8	2864.8	3026.2	2909.2	2671.1	2529.9
62210.0	72.5°	50424.1	33166.8	2170.8	2037.6	2356.4	2582.3	2776.0	2687.2	2445.1	2308.0
45574.1	75°	37044.4	23543.6	1735.0	1735.0	2009.4	2287.8	2501.6	2445.1	2223.2	2126.4
19133.5	77.5°	15615.0	9877.4	1359.8	1440.5	1670.4	1965.0	2231.3	2251.5	2057.8	2178.8
5059.8	80°	4151.9	2723.6	1037.0	1133.8	1311.3	1622.0	1940.8	1932.7	1722.9	1609.9
1880.3	82.5°	1581.7	1073.3	738.4	798.9	948.2	1242.7	1537.3	1585.7	1375.9	1190.3
738.4	85°	609.3	460.0	455.9	480.2	552.8	823.1	1162.0	1202.4	1037.0	879.6
205.8	87.5°	157.4	137.2	169.5	161.4	254.2	439.8	665.8	690.0	633.5	367.2
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°
11148.4
10636.0
9857.2
9147.1
8719.4
8598.4
8695.2
8832.4
8832.4
8630.6
8255.4
7763.1
7194.2
6564.8
6012.0
5761.8
5394.7
4894.3
4482.8
4208.4
4006.7
3889.6
3599.1
3461.9
3296.5
3135.1
2945.5
2743.7
2542.0
2308.0
2098.1
1977.1
1496.9
1190.3
907.9
524.5
0.0

F REPORT)