

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: P852811

Luminaire Tested: **GLAN-SB6C-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35788 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

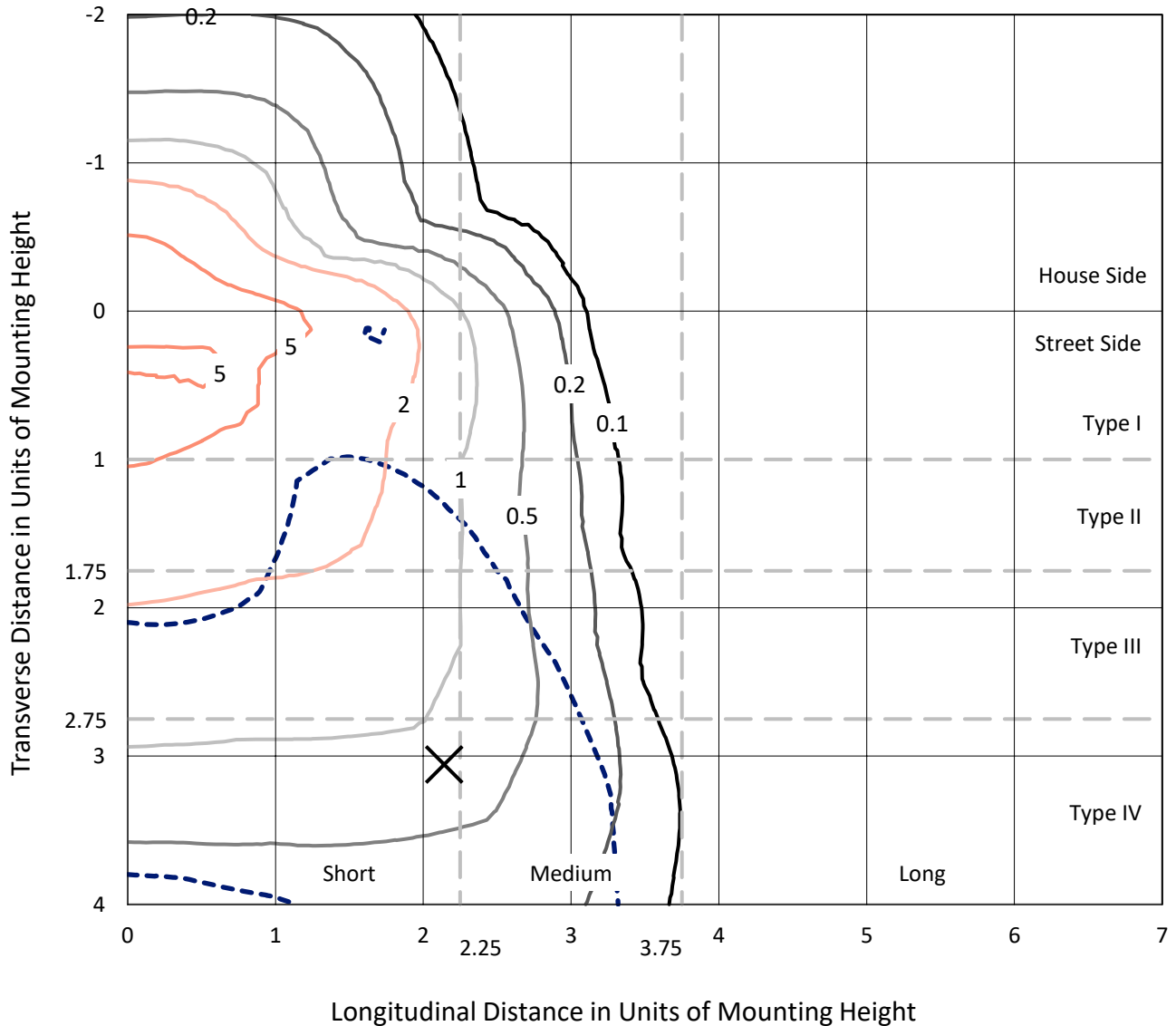
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852811
 CATALOG NUMBER: GLAN-SB6C-827-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

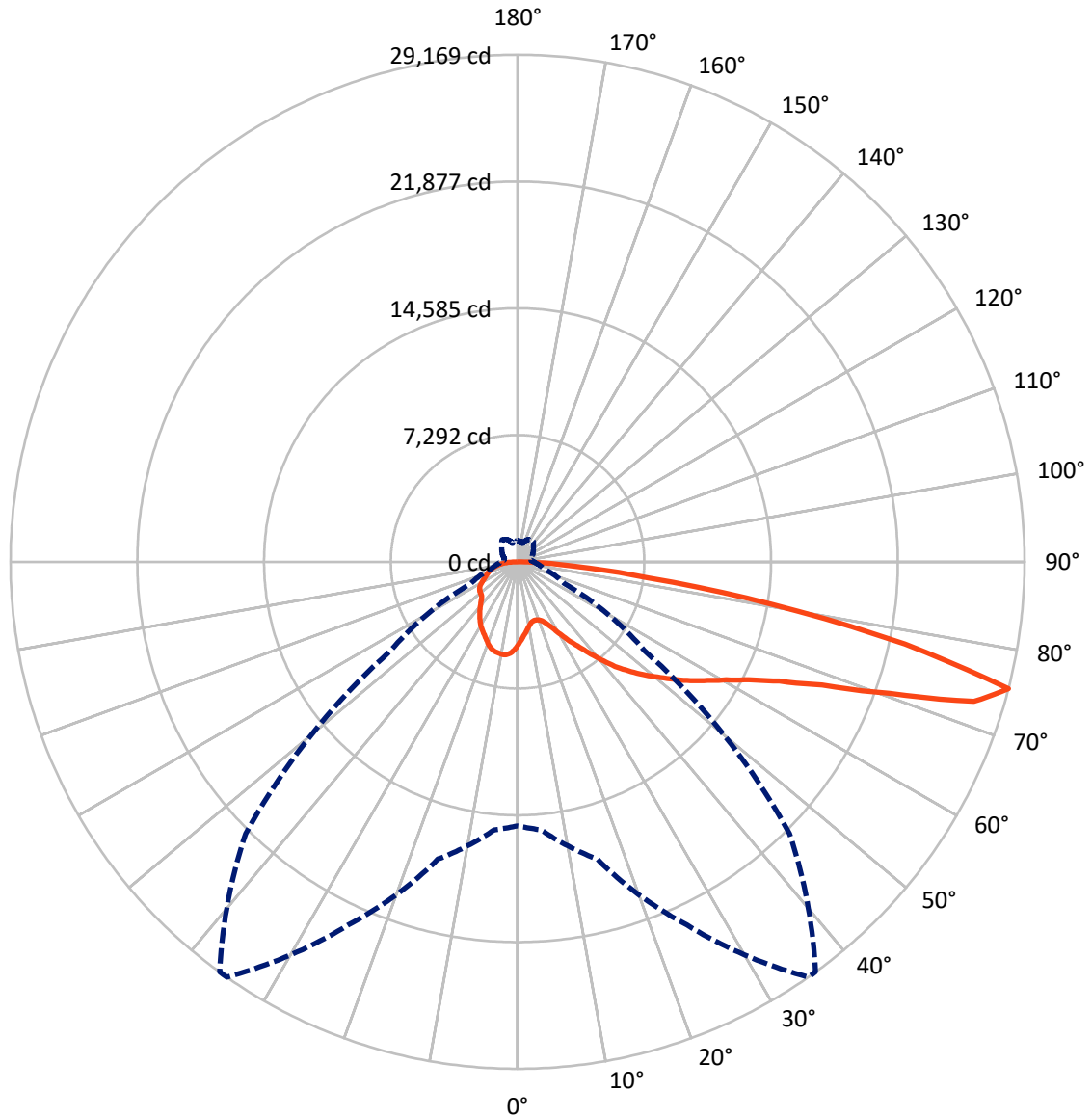
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P852811
CATALOG NUMBER: GLAN-SB6C-827-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P852811
 CATALOG NUMBER: GLAN-SB6C-827-U-T4FT

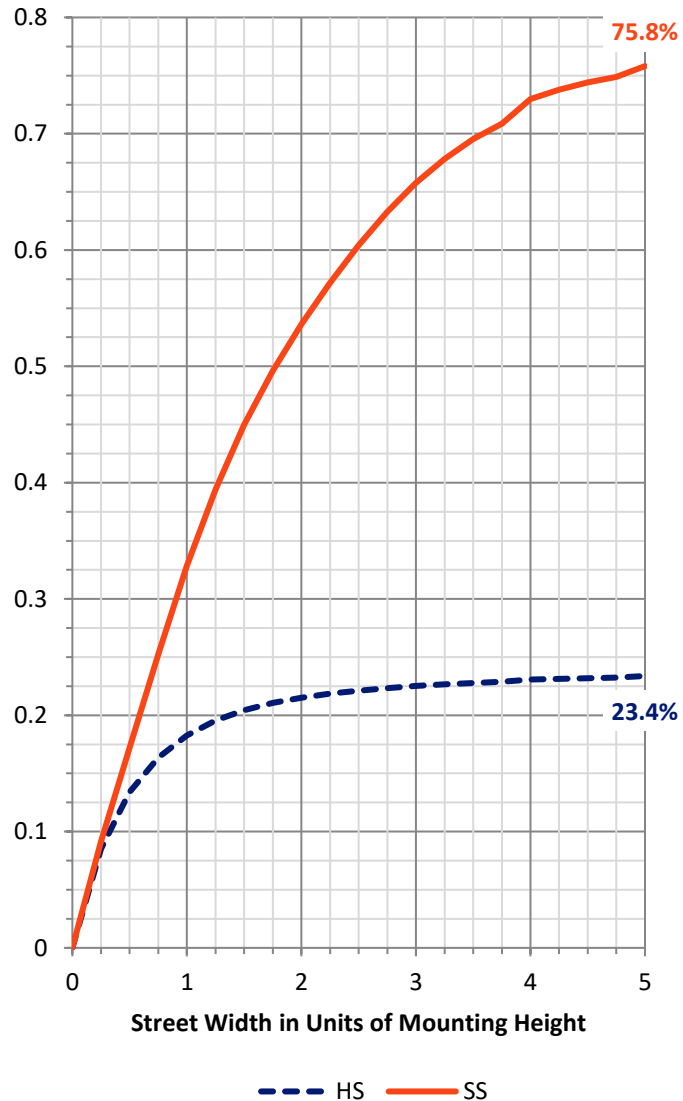
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8516.7	0.0	8516.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	27271.4	0.0	27271.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	35788.0	0.0	35788.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.5	1.3
10°-20°	1302.4	3.6
20°-30°	2187.1	6.1
30°-40°	3399.0	9.5
40°-50°	5045.0	14.1
50°-60°	6965.0	19.5
60°-70°	8450.1	23.6
70°-80°	6983.4	19.5
80°-90°	1004.4	2.8
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°	35788.0	100.0
0°-180°	35788.0	100.0

Coefficient of Utilization

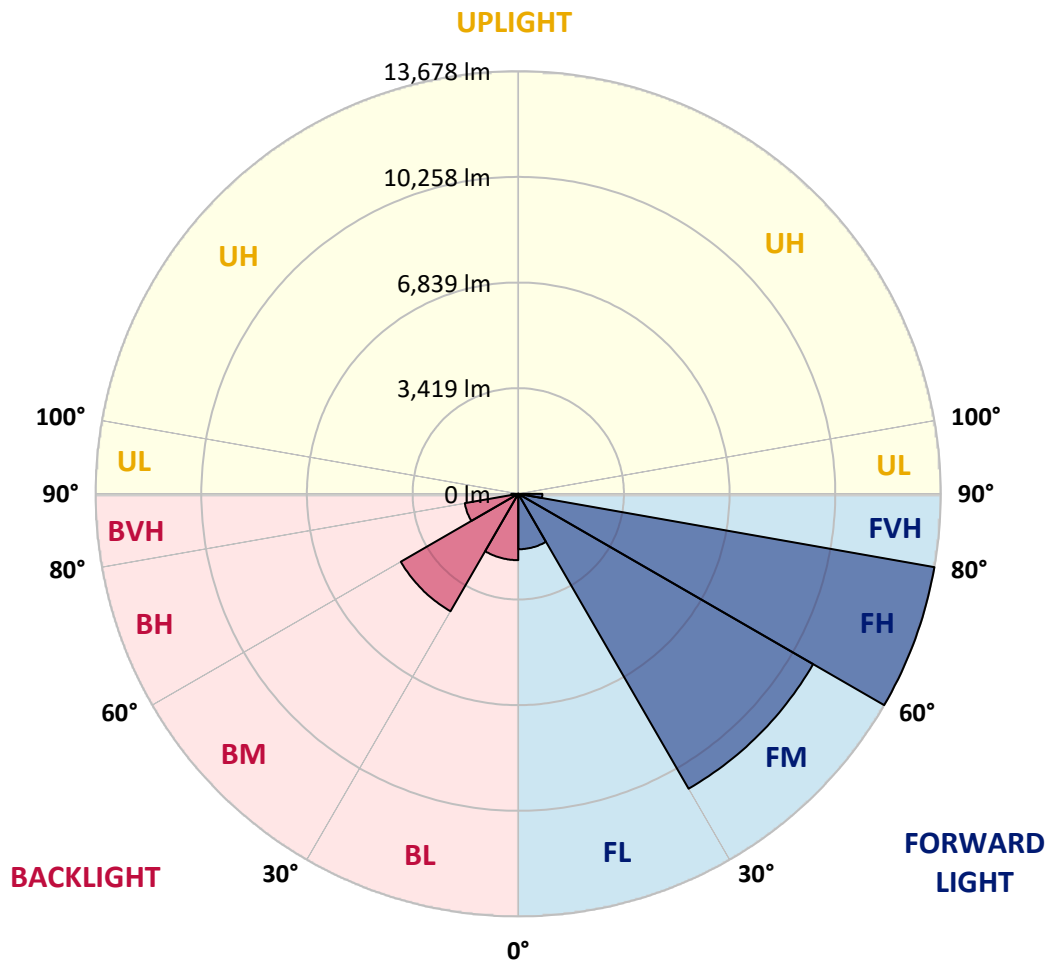


REPORT NUMBER: P852811
 CATALOG NUMBER: GLAN-SB6C-827-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1794.7	5.0			
FM (30°-60°)	11020.8	30.8			
FH (60°-80°)	13677.6	38.2			G5
FVH (80°-90°)	778.3	2.2			G5
BL (0°-30°)	2146.3	6.0	B3/2500		
BM (30°-60°)	4388.3	12.3	B3/5000		
BH (60°-80°)	1755.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	226.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



REPORT NUMBER: P852811
 CATALOG NUMBER: GLAN-SB6C-827-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4769.0	4769.0	4769.0	4769.0	4769.0	4769.0	4769.0	4769.0	4769.0	4769.0
2.5°	4397.5	4424.6	4436.2	4430.4	4459.4	4455.6	4496.2	4546.5	4616.2	4683.9
5°	4059.0	4088.0	4113.1	4136.4	4192.5	4209.9	4273.7	4370.4	4498.1	4627.8
7.5°	3743.6	3768.8	3807.5	3850.0	3944.8	3962.2	4068.6	4219.5	4397.5	4587.1
10°	3486.3	3511.4	3552.1	3600.4	3718.5	3739.7	3875.2	4076.4	4308.5	4548.4
12.5°	3376.0	3383.8	3407.0	3455.3	3557.9	3571.4	3720.4	3950.6	4221.5	4519.4
15°	3370.2	3385.7	3387.6	3412.8	3497.9	3503.7	3641.1	3869.4	4167.3	4513.6
17.5°	3428.3	3439.9	3422.5	3437.9	3509.5	3519.2	3627.5	3830.7	4149.9	4538.8
20°	3583.0	3592.7	3540.5	3519.2	3571.4	3579.2	3685.6	3855.8	4167.3	4591.0
22.5°	3911.9	3917.7	3790.0	3703.0	3706.9	3710.7	3803.6	3958.4	4235.0	4685.8
25°	4424.6	4420.8	4217.6	4049.3	3952.6	3931.3	3993.2	4124.7	4349.2	4811.6
27.5°	5024.4	4995.4	4792.2	4540.7	4329.8	4298.9	4285.3	4341.4	4511.7	4977.9
30°	5701.5	5674.4	5455.8	5126.9	4834.8	4784.5	4656.8	4627.8	4753.5	5204.3
32.5°	6444.4	6427.0	6165.8	5767.3	5376.5	5318.4	5103.7	5026.3	5125.0	5546.7
35°	7067.4	7051.9	6835.2	6425.1	5947.2	5875.6	5657.0	5570.0	5620.3	5985.9
37.5°	7630.4	7622.7	7436.9	7113.8	6620.5	6533.4	6287.7	6258.7	6249.0	6564.4
40°	8152.8	8133.4	7939.9	7769.7	7404.0	7324.7	7108.0	7082.9	7009.4	7276.3
42.5°	8731.2	8680.9	8400.4	8321.1	8222.4	8156.6	8027.0	8030.9	7868.4	8079.2
45°	9203.3	9174.3	8886.0	8839.6	8946.0	8918.9	9031.1	9060.1	8744.8	8920.8
47.5°	9710.2	9683.1	9439.3	9406.4	9694.7	9702.4	10099.0	10108.7	9599.9	9795.3
50°	10335.1	10296.4	10054.5	10095.2	10418.3	10447.3	11172.8	11107.0	10387.3	10683.3
52.5°	10747.2	10770.4	10718.1	10783.9	11225.0	11252.1	12229.1	12060.8	11167.0	11559.7
55°	11050.9	11097.3	11259.9	11410.8	12076.3	12103.4	13225.5	12968.2	11813.2	12372.3
57.5°	11441.7	11375.9	11679.7	11973.8	12885.0	12956.6	14194.8	13842.7	12385.8	13072.7
60°	12002.8	11956.3	12192.4	12627.7	13790.4	13904.6	15220.1	14630.1	12805.7	13627.9
62.5°	13140.4	13024.3	13061.0	13446.0	14931.9	15082.8	16377.1	15316.9	13014.6	13844.6
65°	14841.0	14641.7	14455.9	14722.9	16539.6	16688.6	17683.0	15856.7	12937.2	13424.8
67.5°	16982.6	16785.3	16557.0	16808.5	18907.7	19025.7	19294.6	16160.4	12327.8	11807.4
70°	18749.0	18675.5	18948.3	19983.3	22690.0	22693.8	21360.8	15908.9	10658.2	8371.4
72.5°	18514.9	18470.4	19907.9	23107.9	27457.0	27354.5	23316.8	14005.2	7179.6	3776.5
75°	15189.2	15477.5	17704.3	23051.7	29169.2	29155.7	22119.2	8903.4	2969.7	1565.2
77.5°	8145.0	8601.6	11494.0	17019.4	22771.2	23113.7	15551.0	3114.8	1275.0	1002.2
80°	2656.3	3054.9	4581.3	8665.4	14796.5	14732.6	6665.0	1222.7	872.5	710.0
82.5°	1127.9	1174.4	2046.9	4091.9	7593.6	7475.6	2122.3	702.3	613.3	485.6
85°	441.1	493.3	903.5	1892.1	3289.0	3217.4	766.1	348.2	392.7	317.3
87.5°	145.1	176.1	323.1	648.1	1023.4	986.7	187.7	120.0	170.3	145.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852811
 CATALOG NUMBER: GLAN-SB6C-827-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4769.0	0°	4769.0	4769.0	4769.0	4769.0	4769.0	4769.0	4769.0	4769.0	4769.0	4769.0
4782.5	2.5°	4809.6	4840.6	4877.3	4931.5	4977.9	5016.6	5057.3	5082.4	5092.1	5121.1
4790.3	5°	4844.4	4912.2	5003.1	5092.1	5179.1	5231.4	5277.8	5301.0	5322.3	5337.8
4811.6	7.5°	4902.5	4989.5	5132.7	5248.8	5322.3	5364.9	5395.8	5388.1	5395.8	5399.7
4834.8	10°	4952.8	5074.7	5244.9	5355.2	5411.3	5413.2	5405.5	5378.4	5364.9	5366.8
4869.6	12.5°	5012.8	5148.2	5332.0	5424.9	5440.3	5397.8	5364.9	5318.4	5301.0	5293.3
4921.8	15°	5094.0	5248.8	5426.8	5461.6	5422.9	5368.7	5312.6	5237.2	5198.5	5167.5
5010.8	17.5°	5192.7	5362.9	5500.3	5475.2	5392.0	5303.0	5212.0	5097.9	5018.6	4985.7
5132.7	20°	5330.1	5482.9	5556.4	5446.1	5320.4	5184.9	5030.2	4890.9	4817.4	4784.5
5287.5	22.5°	5496.4	5643.5	5610.6	5395.8	5217.8	5001.2	4807.7	4705.1	4668.4	4645.2
5486.8	25°	5695.7	5821.5	5649.3	5322.3	5049.5	4757.4	4608.4	4575.5	4558.1	4540.7
5730.5	27.5°	5955.0	6022.7	5678.3	5214.0	4786.4	4498.1	4444.0	4449.8	4444.0	4414.9
6069.1	30°	6297.4	6283.8	5705.4	5037.9	4484.6	4264.0	4267.9	4293.1	4296.9	4277.6
6541.2	32.5°	6748.2	6610.8	5718.9	4809.6	4196.3	4059.0	4062.8	4089.9	4109.3	4076.4
7158.3	35°	7293.8	6991.9	5697.6	4523.3	3973.8	3863.6	3834.5	3842.3	3848.1	3817.1
7907.0	37.5°	7930.3	7419.5	5602.8	4206.0	3790.0	3672.0	3610.1	3557.9	3526.9	3497.9
8754.4	40°	8628.7	7885.8	5428.7	3896.5	3585.0	3468.9	3376.0	3277.4	3172.9	3134.2
9652.1	42.5°	9360.0	8365.6	5217.8	3600.4	3348.9	3254.1	3155.5	3012.3	2855.6	2776.3
10584.6	45°	10118.4	8857.0	5010.8	3308.3	3107.1	3066.5	2952.3	2780.1	2609.9	2509.3
11519.1	47.5°	10861.3	9321.3	4707.1	3014.2	2880.7	2925.2	2836.2	2677.6	2488.0	2329.4
12445.8	50°	11571.3	9756.6	4209.9	2716.3	2696.9	2882.7	2797.6	2569.3	2352.6	2149.4
13355.1	52.5°	12275.6	10108.7	3573.4	2445.4	2598.3	2871.1	2747.2	2495.7	2230.7	2017.9
14210.2	55°	12873.4	10290.6	2960.1	2213.3	2455.1	2772.4	2687.3	2408.7	2058.5	1832.1
14796.5	57.5°	13213.9	10143.5	2449.3	1985.0	2257.8	2609.9	2584.7	2223.0	1853.4	1679.3
14910.6	60°	13066.8	9547.7	2031.4	1785.7	2070.1	2433.8	2406.7	2039.2	1696.7	1532.3
14299.2	62.5°	12256.2	8412.0	1700.6	1611.6	1899.9	2253.9	2228.8	1897.9	1576.8	1418.1
12676.0	65°	10623.3	6843.0	1443.3	1466.5	1727.7	2037.2	2074.0	1779.9	1482.0	1327.2
9806.9	67.5°	8102.5	4956.7	1242.1	1340.7	1559.4	1824.4	1930.8	1694.8	1402.6	1255.6
5674.4	70°	4618.1	2815.0	1071.8	1218.9	1410.4	1627.1	1820.5	1627.1	1317.5	1195.6
2126.2	72.5°	1750.9	1292.4	926.7	1097.0	1267.2	1460.7	1698.7	1520.7	1218.9	1127.9
1098.9	75°	934.5	787.4	779.7	953.8	1102.8	1298.2	1545.8	1416.2	1145.3	1191.8
760.3	77.5°	636.5	557.2	652.0	816.4	922.8	1118.2	1383.3	1257.5	992.5	988.6
526.2	80°	441.1	394.7	530.1	657.8	713.9	940.3	1207.2	1079.6	808.7	754.5
325.0	82.5°	265.1	257.3	396.6	491.4	505.0	725.5	1000.2	905.4	661.7	576.5
193.5	85°	145.1	152.8	253.4	288.3	294.1	506.9	783.5	700.4	508.8	427.6
69.6	87.5°	40.6	52.2	92.9	114.1	141.2	263.1	466.3	416.0	255.4	178.0
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°
4769.0
5119.2
5341.7
5405.5
5370.7
5289.4
5177.2
4987.6
4780.6
4649.0
4540.7
4420.8
4287.3
4091.9
3838.4
3517.3
3151.6
2785.9
2501.5
2311.9
2132.0
1994.7
1812.8
1656.1
1509.1
1393.0
1302.0
1232.4
1180.2
1112.4
1230.5
911.2
721.6
580.4
431.4
178.0
0.0

F REPORT)