

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: P853141

Luminaire Tested: **GLAN-SB9A-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853141
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-SB9A-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39009 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

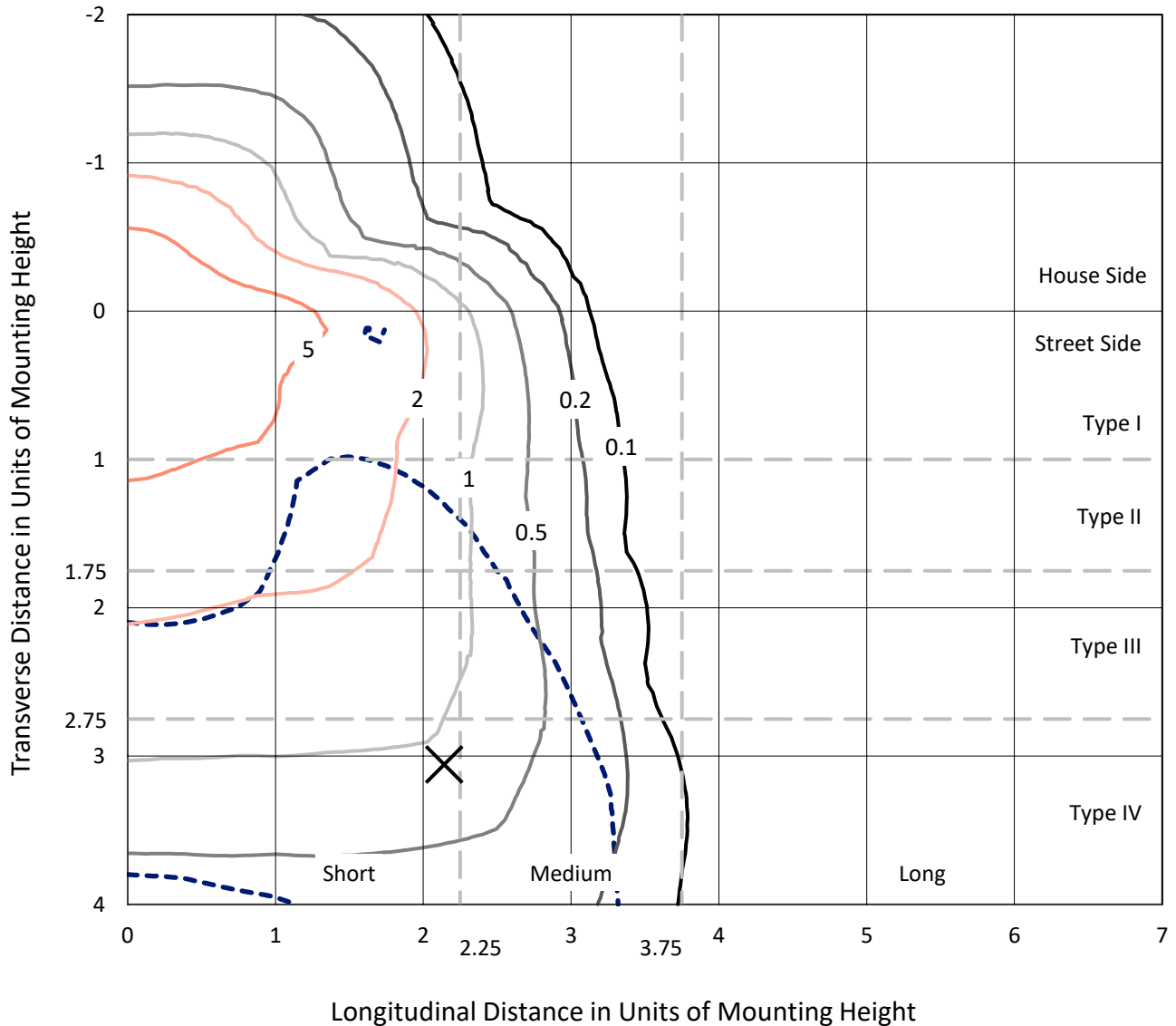
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853141
 CATALOG NUMBER: GLAN-SB9A-730-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

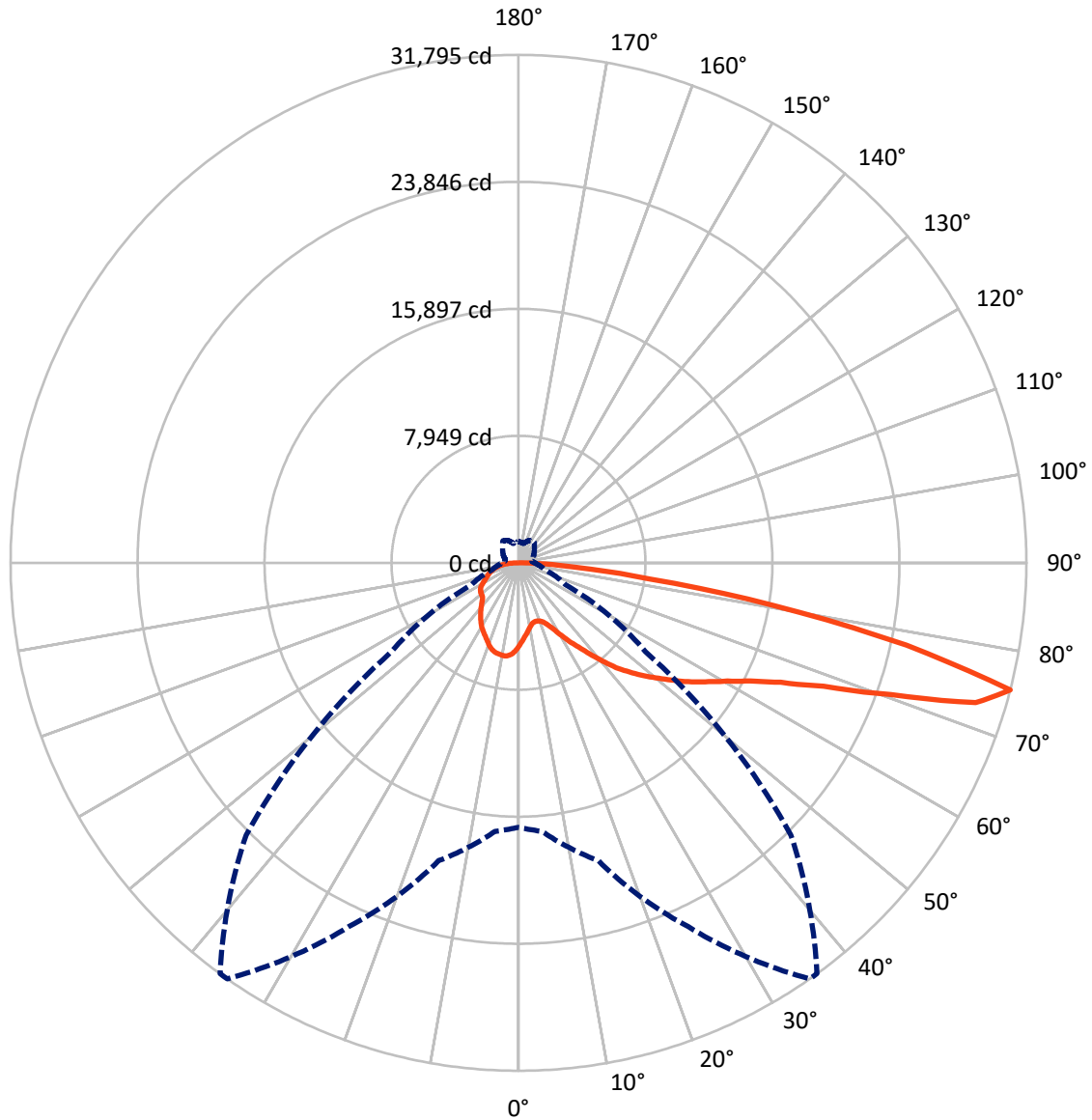
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P853141
CATALOG NUMBER: GLAN-SB9A-730-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P853141
 CATALOG NUMBER: GLAN-SB9A-730-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9283.2	0.0	9283.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	29725.8	0.0	29725.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	39009.0	0.0	39009.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.2	1.3
10°-20°	1419.6	3.6
20°-30°	2383.9	6.1
30°-40°	3704.9	9.5
40°-50°	5499.1	14.1
50°-60°	7591.9	19.5
60°-70°	9210.7	23.6
70°-80°	7611.9	19.5
80°-90°	1094.8	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°	39009.0	100.0
0°-180°	39009.0	100.0

Coefficient of Utilization

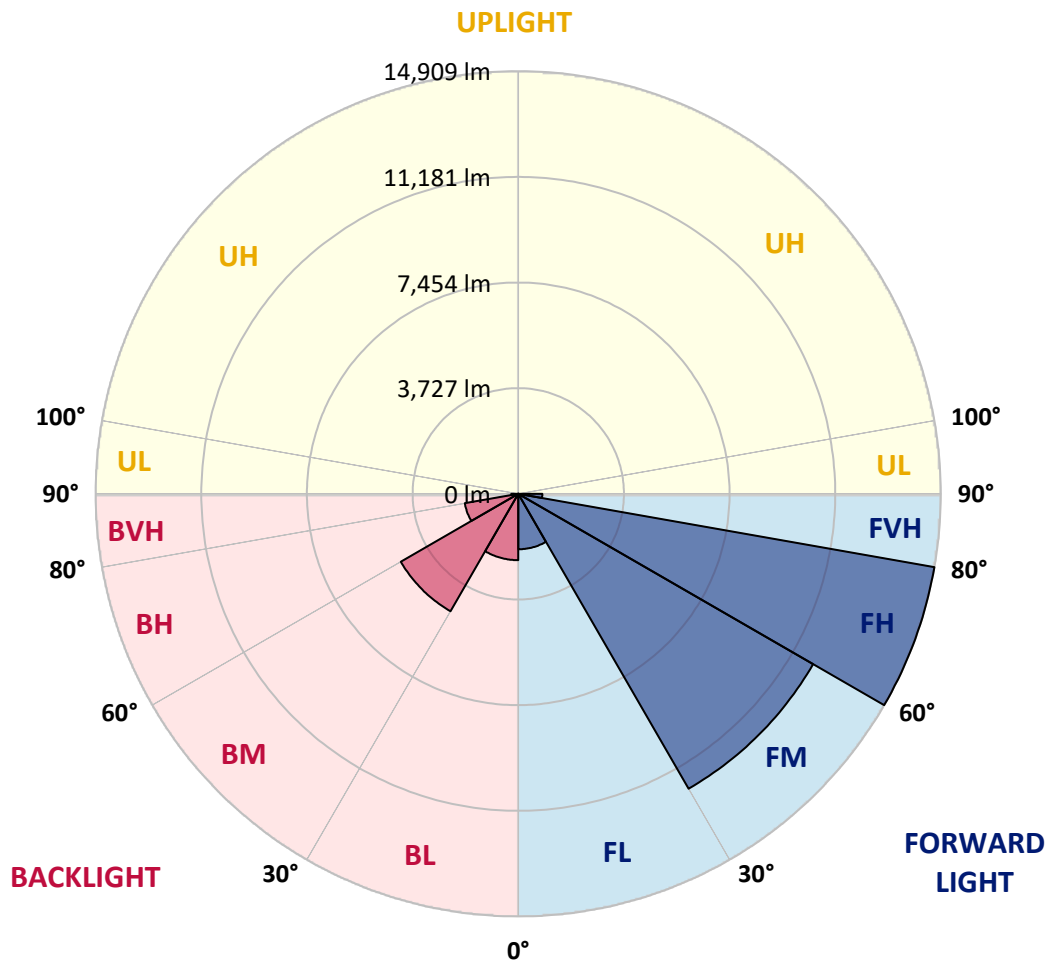


REPORT NUMBER: P853141
 CATALOG NUMBER: GLAN-SB9A-730-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1956.2	5.0			
FM (30°-60°)	12012.7	30.8			
FH (60°-80°)	14908.7	38.2			G5
FVH (80°-90°)	848.3	2.2			G5
BL (0°-30°)	2339.5	6.0	B3/2500		
BM (30°-60°)	4783.2	12.3	B3/5000		
BH (60°-80°)	1913.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	246.5	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: P853141
 CATALOG NUMBER: GLAN-SB9A-730-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5198.2	5198.2	5198.2	5198.2	5198.2	5198.2	5198.2	5198.2	5198.2	5198.2
2.5°	4793.3	4822.8	4835.5	4829.2	4860.8	4856.6	4900.9	4955.7	5031.6	5105.4
5°	4424.3	4455.9	4483.3	4508.6	4569.8	4588.8	4658.4	4763.8	4903.0	5044.3
7.5°	4080.5	4108.0	4150.1	4196.5	4299.9	4318.8	4434.8	4599.3	4793.3	5000.0
10°	3800.1	3827.5	3871.8	3924.5	4053.1	4076.3	4223.9	4443.3	4696.3	4957.8
12.5°	3679.9	3688.3	3713.6	3766.3	3878.1	3892.9	4055.2	4306.2	4601.4	4926.2
15°	3673.5	3690.4	3692.5	3719.9	3812.7	3819.1	3968.8	4217.6	4542.4	4919.9
17.5°	3736.8	3749.5	3730.5	3747.4	3825.4	3835.9	3954.0	4175.4	4523.4	4947.3
20°	3905.5	3916.1	3859.1	3835.9	3892.9	3901.3	4017.3	4202.9	4542.4	5004.2
22.5°	4264.0	4270.3	4131.2	4036.3	4040.5	4044.7	4145.9	4314.6	4616.2	5107.5
25°	4822.8	4818.6	4597.2	4413.7	4308.3	4285.1	4352.6	4496.0	4740.6	5244.6
27.5°	5476.6	5444.9	5223.5	4949.4	4719.5	4685.8	4671.0	4732.2	4917.7	5426.0
30°	6214.7	6185.1	5946.8	5588.3	5269.9	5215.1	5075.9	5044.3	5181.3	5672.7
32.5°	7024.4	7005.5	6720.8	6286.4	5860.4	5797.1	5563.0	5478.7	5586.2	6046.0
35°	7703.5	7686.6	7450.4	7003.4	6482.5	6404.5	6166.2	6071.3	6126.1	6524.7
37.5°	8317.1	8308.7	8106.3	7754.1	7216.3	7121.4	6853.6	6822.0	6811.5	7155.2
40°	8886.5	8865.4	8654.6	8469.0	8070.4	7983.9	7747.8	7720.3	7640.2	7931.2
42.5°	9517.1	9462.2	9156.4	9070.0	8962.4	8890.7	8749.4	8753.7	8576.5	8806.4
45°	10031.6	10000.0	9685.8	9635.1	9751.1	9721.6	9843.9	9875.6	9531.8	9723.7
47.5°	10584.1	10554.6	10288.9	10253.0	10567.2	10575.7	11008.0	11018.5	10463.9	10676.9
50°	11265.3	11223.1	10959.5	11003.8	11355.9	11387.6	12178.4	12106.7	11322.2	11644.8
52.5°	11714.4	11739.7	11682.8	11754.5	12235.3	12264.8	13329.8	13146.3	12172.0	12600.1
55°	12045.5	12096.1	12273.3	12437.8	13163.2	13192.7	14415.8	14135.3	12876.4	13485.8
57.5°	12471.5	12399.8	12730.9	13051.4	14044.7	14122.7	15472.3	15088.5	13500.6	14249.2
60°	13083.0	13032.4	13289.7	13764.2	15031.6	15156.0	16590.0	15946.8	13958.2	14854.4
62.5°	14323.0	14196.5	14236.6	14656.2	16275.8	16440.3	17851.1	16695.4	14186.0	15090.6
65°	16176.7	15959.5	15757.0	16048.0	18028.2	18190.6	19274.5	17283.8	14101.6	14633.0
67.5°	18511.1	18296.0	18047.2	18321.3	20609.4	20738.0	21031.1	17614.9	13437.3	12870.1
70°	20436.5	20356.3	20653.7	21781.9	24732.1	24736.3	23283.4	17340.7	11617.4	9124.8
72.5°	20181.3	20132.8	21699.6	25187.6	29928.2	29816.4	25415.4	15265.7	7825.8	4116.4
75°	16556.3	16870.5	19297.7	25126.5	31794.5	31779.7	24110.0	9704.7	3237.0	1706.0
77.5°	8878.1	9375.8	12528.4	18551.2	24820.7	25193.9	16950.6	3395.2	1389.7	1092.4
80°	2895.4	3329.8	4993.7	9445.4	16128.2	16058.6	7264.8	1332.8	951.1	773.9
82.5°	1229.4	1280.0	2231.1	4460.1	8277.1	8148.4	2313.4	765.5	668.5	529.3
85°	480.8	537.7	984.8	2062.4	3585.0	3506.9	835.1	379.6	428.1	345.8
87.5°	158.2	191.9	352.2	706.5	1115.6	1075.5	204.6	130.7	185.6	158.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853141
 CATALOG NUMBER: GLAN-SB9A-730-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5198.2	0°	5198.2	5198.2	5198.2	5198.2	5198.2	5198.2	5198.2	5198.2	5198.2	5198.2
5213.0	2.5°	5242.5	5276.2	5316.3	5375.4	5426.0	5468.1	5512.4	5539.8	5550.4	5582.0
5221.4	5°	5280.5	5354.3	5453.4	5550.4	5645.3	5702.2	5752.8	5778.1	5801.3	5818.2
5244.6	7.5°	5343.7	5438.6	5594.7	5721.2	5801.3	5847.7	5881.5	5873.0	5881.5	5885.7
5269.9	10°	5398.5	5531.4	5717.0	5837.2	5898.3	5900.4	5892.0	5862.5	5847.7	5849.8
5307.9	12.5°	5463.9	5611.5	5811.9	5913.1	5930.0	5883.6	5847.7	5797.1	5778.1	5769.7
5364.8	15°	5552.5	5721.2	5915.2	5953.2	5911.0	5851.9	5790.8	5708.5	5666.4	5632.6
5461.8	17.5°	5660.0	5845.6	5995.3	5967.9	5877.2	5780.2	5681.1	5556.7	5470.2	5434.4
5594.7	20°	5809.8	5976.4	6056.5	5936.3	5799.2	5651.6	5482.9	5331.1	5250.9	5215.1
5763.4	22.5°	5991.1	6151.4	6115.5	5881.5	5687.5	5451.3	5240.4	5128.6	5088.6	5063.2
5980.6	25°	6208.3	6345.4	6157.7	5801.3	5504.0	5185.6	5023.2	4987.3	4968.4	4949.4
6246.3	27.5°	6490.9	6564.7	6189.4	5683.2	5217.2	4903.0	4843.9	4850.3	4843.9	4812.3
6615.3	30°	6864.2	6849.4	6218.9	5491.3	4888.2	4647.8	4652.0	4679.4	4683.7	4662.6
7129.9	32.5°	7355.5	7205.8	6233.6	5242.5	4574.0	4424.3	4428.5	4458.0	4479.1	4443.3
7802.6	35°	7950.2	7621.2	6210.4	4930.4	4331.5	4211.3	4179.7	4188.1	4194.4	4160.7
8618.7	37.5°	8644.0	8087.3	6107.1	4584.5	4131.2	4002.5	3935.0	3878.1	3844.4	3812.7
9542.4	40°	9405.3	8595.5	5917.3	4247.1	3907.6	3781.1	3679.9	3572.3	3458.4	3416.3
10520.8	42.5°	10202.4	9118.5	5687.5	3924.5	3650.3	3547.0	3439.5	3283.4	3112.6	3026.1
11537.3	45°	11029.1	9654.1	5461.8	3606.1	3386.7	3342.5	3218.0	3030.4	2844.8	2735.1
12555.8	47.5°	11838.9	10160.2	5130.7	3285.5	3140.0	3188.5	3091.5	2918.6	2711.9	2539.0
13566.0	50°	12612.8	10634.7	4588.8	2960.8	2939.7	3142.1	3049.3	2800.5	2564.3	2342.9
14557.1	52.5°	13380.4	11018.5	3895.0	2665.5	2832.1	3129.5	2994.5	2720.4	2431.5	2199.5
15489.2	55°	14032.0	11216.8	3226.5	2412.5	2676.1	3021.9	2929.1	2625.5	2243.8	1997.0
16128.2	57.5°	14403.2	11056.5	2669.8	2163.6	2461.0	2844.8	2817.4	2423.0	2020.2	1830.4
16252.6	60°	14242.9	10407.0	2214.2	1946.4	2256.4	2652.9	2623.4	2222.7	1849.4	1670.2
15586.2	62.5°	13359.3	9169.1	1853.6	1756.6	2070.9	2456.8	2429.3	2068.7	1718.7	1545.8
13816.9	65°	11579.5	7458.9	1573.2	1598.5	1883.2	2220.6	2260.6	1940.1	1615.3	1446.6
10689.6	67.5°	8831.7	5402.8	1353.9	1461.4	1699.7	1988.6	2104.6	1847.3	1528.9	1368.6
6185.1	70°	5033.7	3068.3	1168.3	1328.5	1537.3	1773.5	1984.4	1773.5	1436.1	1303.2
2317.6	72.5°	1908.5	1408.7	1010.1	1195.7	1381.3	1592.2	1851.5	1657.5	1328.5	1229.4
1197.8	75°	1018.6	858.3	849.8	1039.6	1202.0	1415.0	1684.9	1543.6	1248.4	1299.0
828.8	77.5°	693.8	607.3	710.7	889.9	1005.9	1218.9	1507.8	1370.7	1081.8	1077.6
573.6	80°	480.8	430.2	577.8	717.0	778.2	1024.9	1315.9	1176.7	881.5	822.4
354.3	82.5°	288.9	280.5	432.3	535.6	550.4	790.8	1090.3	986.9	721.2	628.4
210.9	85°	158.2	166.6	276.3	314.2	320.5	552.5	854.1	763.4	554.6	466.0
75.9	87.5°	44.3	56.9	101.2	124.4	153.9	286.8	508.2	453.4	278.4	194.0
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°
5198.2
5579.9
5822.4
5892.0
5854.1
5765.5
5643.2
5436.5
5210.9
5067.5
4949.4
4818.6
4673.1
4460.1
4183.9
3833.8
3435.2
3036.7
2726.7
2520.0
2323.9
2174.2
1976.0
1805.1
1644.9
1518.3
1419.2
1343.3
1286.4
1212.6
1341.2
993.2
786.6
632.6
470.3
194.0
0.0

F REPORT)