

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: P848256

Luminaire Tested: **GLAN-SB4D-727-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848256
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-SB4D-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35937 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

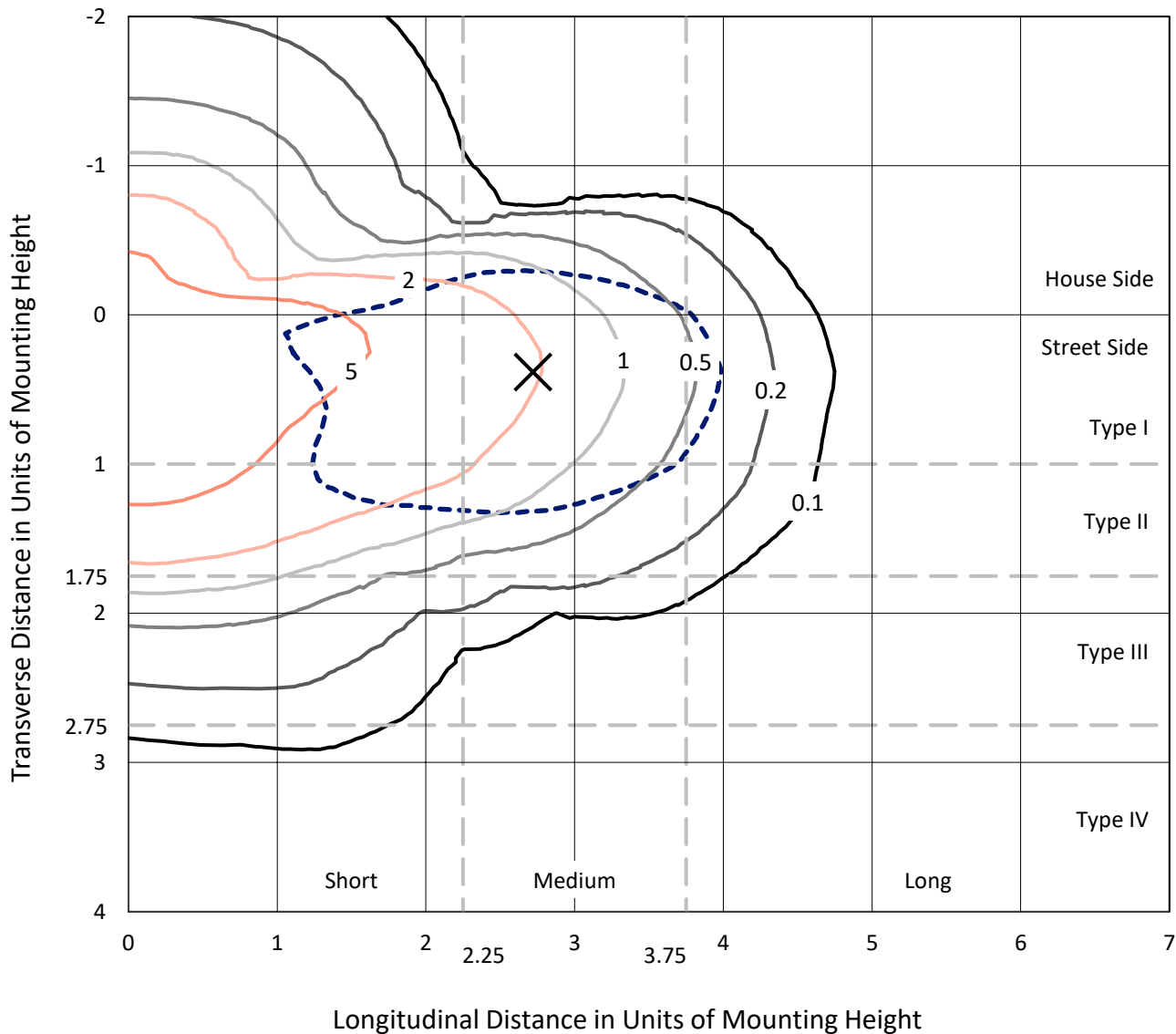
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848256
 CATALOG NUMBER: GLAN-SB4D-727-U-T2

Iso-Footcandle Lines of Horizontal Illumination

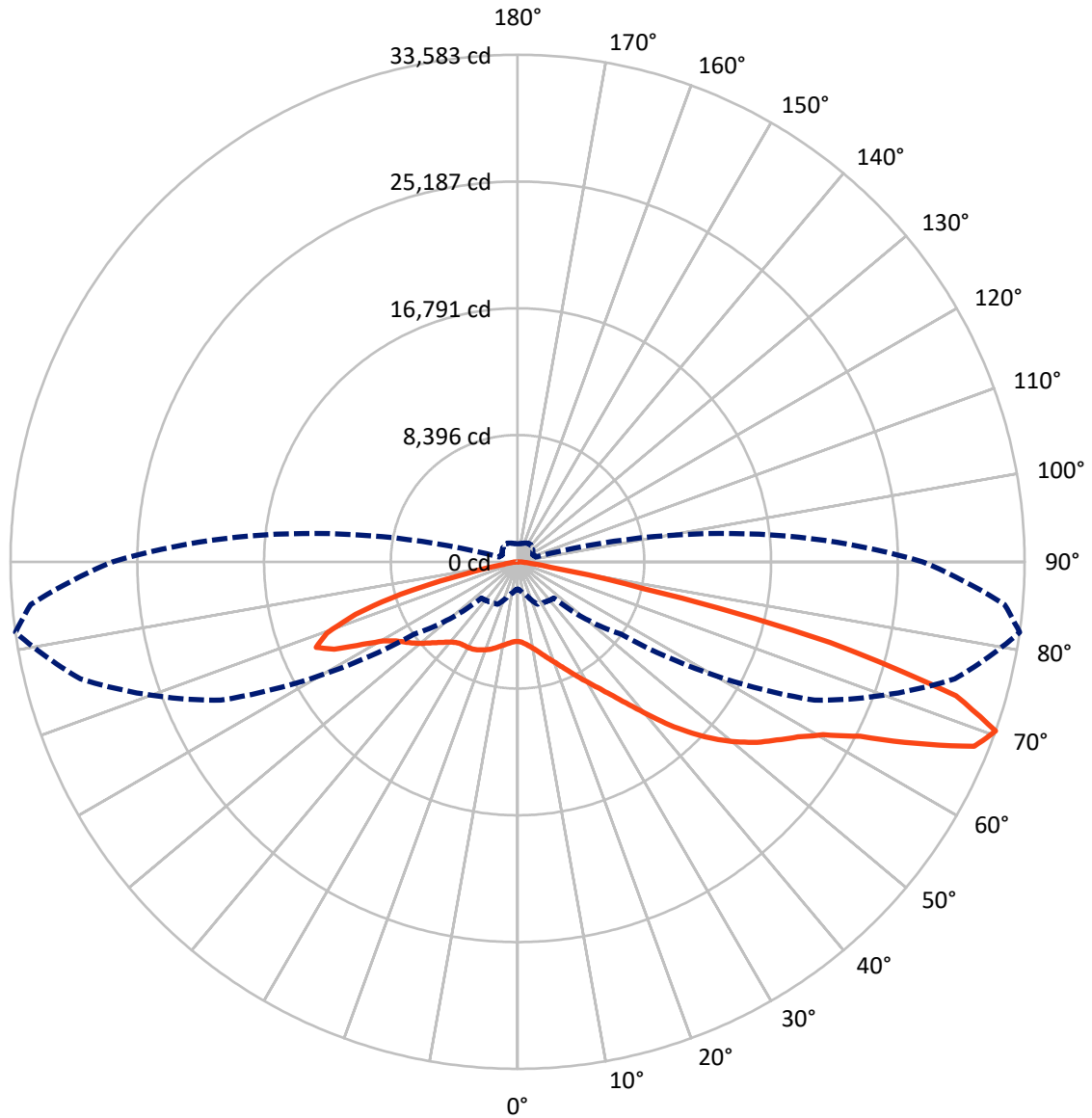
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P848256
CATALOG NUMBER: GLAN-SB4D-727-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848256
 CATALOG NUMBER: GLAN-SB4D-727-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8859.4	0.0	8859.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	27077.6	0.0	27077.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	35937.0	0.0	35937.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.5	1.4
10°-20°	1429.3	4.0
20°-30°	2391.0	6.7
30°-40°	3735.4	10.4
40°-50°	5949.0	16.6
50°-60°	8278.8	23.0
60°-70°	8660.0	24.1
70°-80°	4526.2	12.6
80°-90°	470.0	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°	35937.0	100.0
0°-180°	35937.0	100.0

Coefficient of Utilization

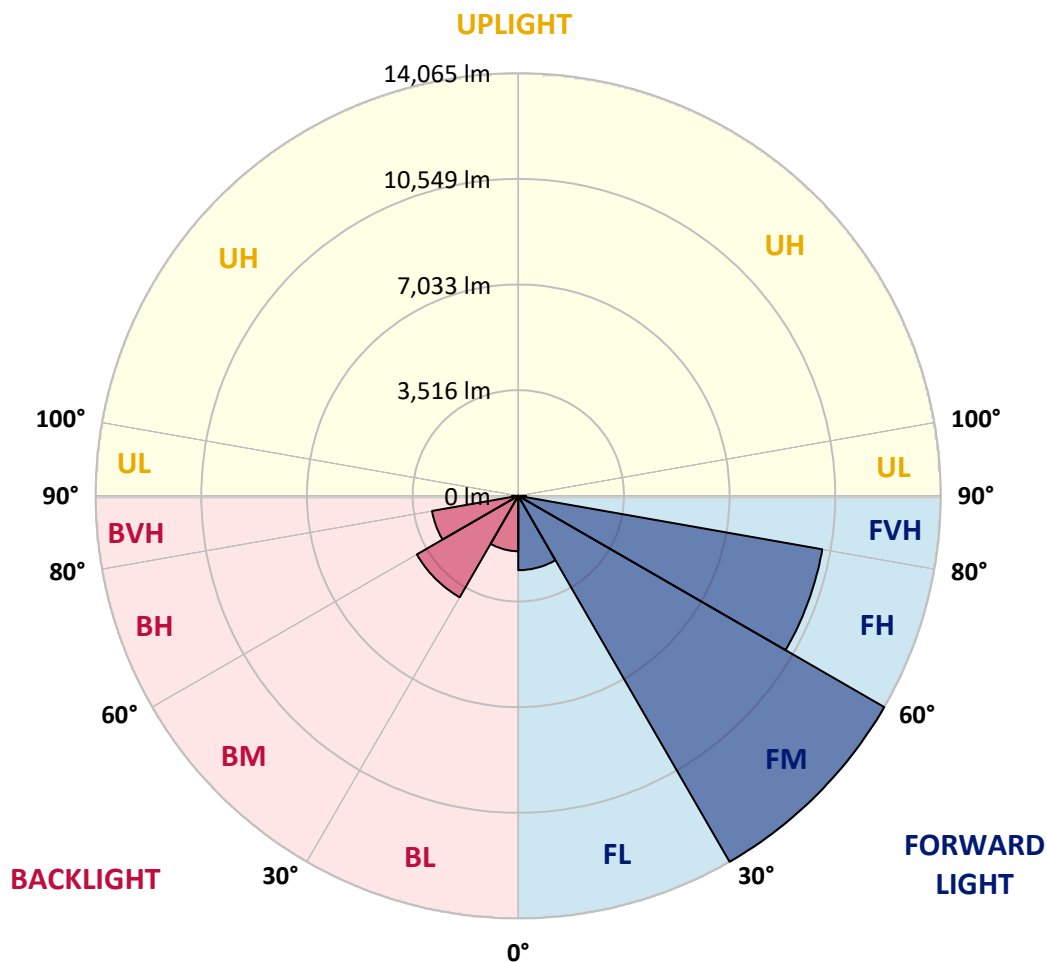


REPORT NUMBER: P848256
 CATALOG NUMBER: GLAN-SB4D-727-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2474.7	6.9			
FM (30°-60°)	14065.4	39.1			
FH (60°-80°)	10274.5	28.6			G4/12000
FVH (80°-90°)	263.1	0.7			G3/500
BL (0°-30°)	1843.1	5.1	B3/2500		
BM (30°-60°)	3897.8	10.8	B3/5000		
BH (60°-80°)	2911.6	8.1	B4/5000		G4/5000
BVH (80°-90°)	206.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



REPORT NUMBER: P848256
 CATALOG NUMBER: GLAN-SB4D-727-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5268.8	5268.8	5268.8	5268.8	5268.8	5268.8	5268.8	5268.8	5268.8	5268.8
2.5°	5394.7	5425.2	5415.6	5406.1	5406.1	5392.8	5390.9	5371.8	5356.5	5331.7
5°	5463.3	5495.7	5491.9	5499.6	5524.3	5530.1	5535.8	5524.3	5493.8	5463.3
7.5°	5402.3	5438.5	5450.0	5495.7	5572.0	5640.7	5692.1	5713.1	5684.5	5640.7
10°	5196.4	5236.4	5276.4	5385.1	5520.5	5682.6	5819.9	5901.9	5896.2	5854.2
12.5°	4778.7	4820.7	4906.5	5118.2	5366.1	5652.1	5907.6	6079.3	6138.4	6107.9
15°	4445.0	4481.3	4546.1	4763.5	5085.7	5520.5	5940.0	6273.8	6424.4	6407.2
17.5°	4435.5	4450.7	4490.8	4593.8	4841.7	5314.6	5905.7	6464.5	6752.4	6750.5
20°	4603.3	4609.0	4631.9	4652.9	4794.0	5158.2	5818.0	6622.7	7120.4	7120.4
22.5°	4835.9	4832.1	4855.0	4835.9	4904.6	5144.9	5762.7	6761.9	7530.4	7560.9
25°	5184.9	5165.8	5160.1	5116.3	5129.6	5268.8	5823.7	6920.2	8016.7	8079.6
27.5°	5650.2	5619.7	5598.7	5497.6	5463.3	5524.3	6010.6	7110.9	8558.2	8666.9
30°	6256.6	6201.3	6170.8	5995.3	5871.4	5880.9	6292.8	7364.5	9124.6	9300.0
32.5°	7084.2	6998.4	6916.4	6628.4	6401.5	6327.2	6657.0	7715.4	9738.6	10018.9
35°	8011.0	7942.3	7854.6	7410.3	7061.3	6889.7	7149.0	8205.5	10457.5	10901.8
37.5°	8903.4	8844.3	8886.2	8287.5	7837.4	7587.6	7793.6	8863.4	11344.3	12000.2
40°	9826.3	9780.6	9786.3	9214.2	8689.8	8409.5	8575.4	9689.0	12360.6	13306.5
42.5°	10829.4	10795.1	10680.6	10173.4	9584.2	9322.9	9475.5	10642.5	13451.4	14793.9
45°	11952.6	11931.6	11824.8	11243.2	10568.1	10274.5	10480.4	11695.1	14547.9	16193.5
47.5°	12923.2	12940.3	12927.0	12436.9	11737.1	11306.1	11552.1	12793.5	15568.1	17509.3
50°	13390.4	13480.0	13611.6	13459.0	13024.2	12585.7	12633.3	13853.8	16540.6	18743.1
52.5°	13146.3	13316.0	13674.5	13918.6	14086.4	13994.9	13867.1	14906.4	17455.9	19856.7
55°	12236.7	12475.1	13070.0	13659.3	14515.5	15181.0	15348.8	16073.4	18348.4	20836.9
57.5°	10579.6	10966.7	11500.6	12692.4	14134.1	15755.0	17076.4	17692.4	19294.2	21883.8
60°	7738.3	8257.0	8920.6	10694.0	12799.2	15447.9	18546.7	20179.0	20638.6	23239.6
62.5°	4952.3	5272.6	5882.8	7553.3	9973.2	13874.7	18996.7	23287.3	22917.3	25463.1
65°	3390.5	3596.4	4155.2	5093.4	6447.3	10327.9	17791.5	25617.5	26536.7	28987.1
67.5°	2463.7	2620.1	3096.8	3918.7	4200.9	6111.7	13806.1	25510.7	30054.9	32617.8
70°	1796.3	1906.9	2307.4	3096.8	3232.2	3400.0	8363.7	21685.5	29978.7	33582.7
72.5°	1331.0	1407.3	1676.2	2402.7	2616.3	2295.9	4139.9	15760.7	25760.6	30375.3
75°	963.0	1020.2	1218.5	1838.3	2093.8	1748.6	2065.2	9210.4	17968.9	21367.0
77.5°	736.1	779.9	909.6	1346.3	1676.2	1312.0	1281.4	4237.2	8520.1	8562.1
80°	591.1	619.7	690.3	947.7	1285.3	982.1	835.2	1710.5	2692.6	2278.8
82.5°	434.8	482.5	583.5	665.5	919.1	677.0	509.1	863.8	1024.0	881.0
85°	247.9	280.3	352.8	476.7	587.3	413.8	291.8	383.3	476.7	390.9
87.5°	87.7	114.4	123.9	186.9	255.5	171.6	112.5	110.6	156.4	116.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848256
 CATALOG NUMBER: GLAN-SB4D-727-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5268.8	0°	5268.8	5268.8	5268.8	5268.8	5268.8	5268.8	5268.8	5268.8	5268.8	5268.8
5326.0	2.5°	5307.0	5297.4	5259.3	5207.8	5154.4	5102.9	5085.7	5049.5	5024.7	5011.4
5450.0	5°	5413.7	5383.2	5293.6	5179.2	5059.1	4929.4	4837.9	4753.9	4692.9	4635.7
5619.7	7.5°	5566.3	5512.9	5358.4	5158.2	4944.6	4729.2	4569.0	4446.9	4364.9	4311.5
5818.0	10°	5743.6	5661.6	5425.2	5125.8	4795.9	4487.0	4298.2	4193.3	4141.8	4113.2
6044.9	12.5°	5947.7	5831.4	5493.8	5051.4	4569.0	4216.2	4086.5	4056.0	4057.9	4059.8
6331.0	15°	6199.4	6037.3	5549.1	4889.3	4273.4	4008.3	3985.5	4035.0	4086.5	4111.3
6655.1	17.5°	6483.5	6254.7	5558.7	4622.4	3983.6	3874.9	3947.3	4054.1	4132.3	4166.6
7017.5	20°	6788.6	6475.9	5490.0	4244.8	3745.2	3766.2	3895.8	4033.1	4118.9	4162.8
7431.3	22.5°	7137.6	6712.4	5326.0	3848.2	3550.7	3647.9	3800.5	3934.0	4023.6	4067.5
7917.5	25°	7536.1	6977.4	5068.6	3514.4	3382.9	3514.4	3667.0	3777.6	3850.1	3890.1
8461.0	27.5°	7978.5	7253.9	4725.3	3249.4	3236.0	3377.2	3503.0	3588.8	3627.0	3657.5
9038.8	30°	8422.9	7505.6	4309.6	3049.2	3108.3	3241.8	3331.4	3369.5	3381.0	3386.7
9683.3	32.5°	8903.4	7723.0	3872.9	2883.3	2986.2	3110.2	3163.6	3180.7	3127.3	3091.1
10465.2	35°	9485.0	7955.7	3445.8	2751.7	2866.1	2972.9	2990.0	2974.8	2911.9	2837.5
11445.3	37.5°	10203.9	8245.5	3104.5	2658.2	2753.6	2824.1	2803.2	2799.4	2805.1	2717.4
12623.8	40°	11084.9	8623.1	2854.7	2585.8	2662.1	2677.3	2618.2	2650.6	2679.2	2545.7
13916.7	42.5°	12063.2	9078.8	2696.4	2536.2	2585.8	2549.5	2458.0	2494.2	2490.4	2315.0
15215.3	45°	13060.5	9574.6	2641.1	2500.0	2515.2	2442.8	2341.7	2351.2	2271.1	2112.9
16460.5	47.5°	14052.1	10106.7	2675.4	2469.5	2427.5	2345.5	2267.3	2225.4	2107.1	1988.9
17654.2	50°	15024.6	10665.4	2801.3	2408.4	2307.4	2259.7	2202.5	2128.1	2002.3	1901.2
18783.1	52.5°	15926.6	11227.9	2942.4	2307.4	2156.7	2185.3	2149.1	2063.3	1939.3	1836.4
19851.0	55°	16780.9	11790.5	2997.7	2168.2	2015.6	2120.5	2099.5	1941.2	1792.5	1708.6
20968.5	57.5°	17711.5	12467.4	2936.7	1990.8	1901.2	2046.1	1966.0	1790.6	1704.8	1641.9
22423.4	60°	19000.5	13529.6	2805.1	1771.5	1792.5	1935.5	1798.2	1725.8	1632.3	1561.8
24605.0	62.5°	21142.0	15510.9	2593.4	1554.1	1664.7	1771.5	1718.1	1645.7	1550.3	1481.7
28334.9	65°	24307.5	18264.5	2194.9	1384.4	1521.7	1611.3	1632.3	1559.9	1460.7	1388.2
31603.3	67.5°	26977.2	19992.1	1660.9	1243.3	1374.9	1481.7	1540.8	1470.2	1365.4	1294.8
32368.0	70°	26830.3	18737.4	1268.1	1104.1	1245.2	1353.9	1430.2	1374.9	1262.4	1195.6
29400.9	72.5°	23830.8	15674.9	1025.9	963.0	1113.6	1220.4	1312.0	1270.0	1155.6	1090.8
21538.6	75°	17507.4	11126.9	820.0	820.0	949.6	1081.2	1182.3	1155.6	1050.7	1004.9
9042.6	77.5°	7379.8	4668.1	642.6	680.8	789.5	928.7	1054.5	1064.1	972.5	1029.7
2391.3	80°	1962.2	1287.2	490.1	535.8	619.7	766.6	917.2	913.4	814.3	760.9
888.6	82.5°	747.5	507.2	349.0	377.6	448.1	587.3	726.5	749.4	650.3	562.5
349.0	85°	287.9	217.4	215.5	226.9	261.2	389.0	549.2	568.3	490.1	415.7
97.3	87.5°	74.4	64.8	80.1	76.3	120.1	207.9	314.6	326.1	299.4	173.5
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

<u>180°</u>
5268.8
5026.6
4658.6
4323.0
4120.8
4063.6
4109.4
4174.2
4174.2
4078.9
3901.6
3668.9
3400.0
3102.6
2841.3
2723.1
2549.5
2313.1
2118.6
1988.9
1893.6
1838.3
1701.0
1636.1
1558.0
1481.7
1392.0
1296.7
1201.4
1090.8
991.6
934.4
707.5
562.5
429.1
247.9
0.0

F REPORT)