

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: P848753

Luminaire Tested: **GLAN-SB5C-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29324 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

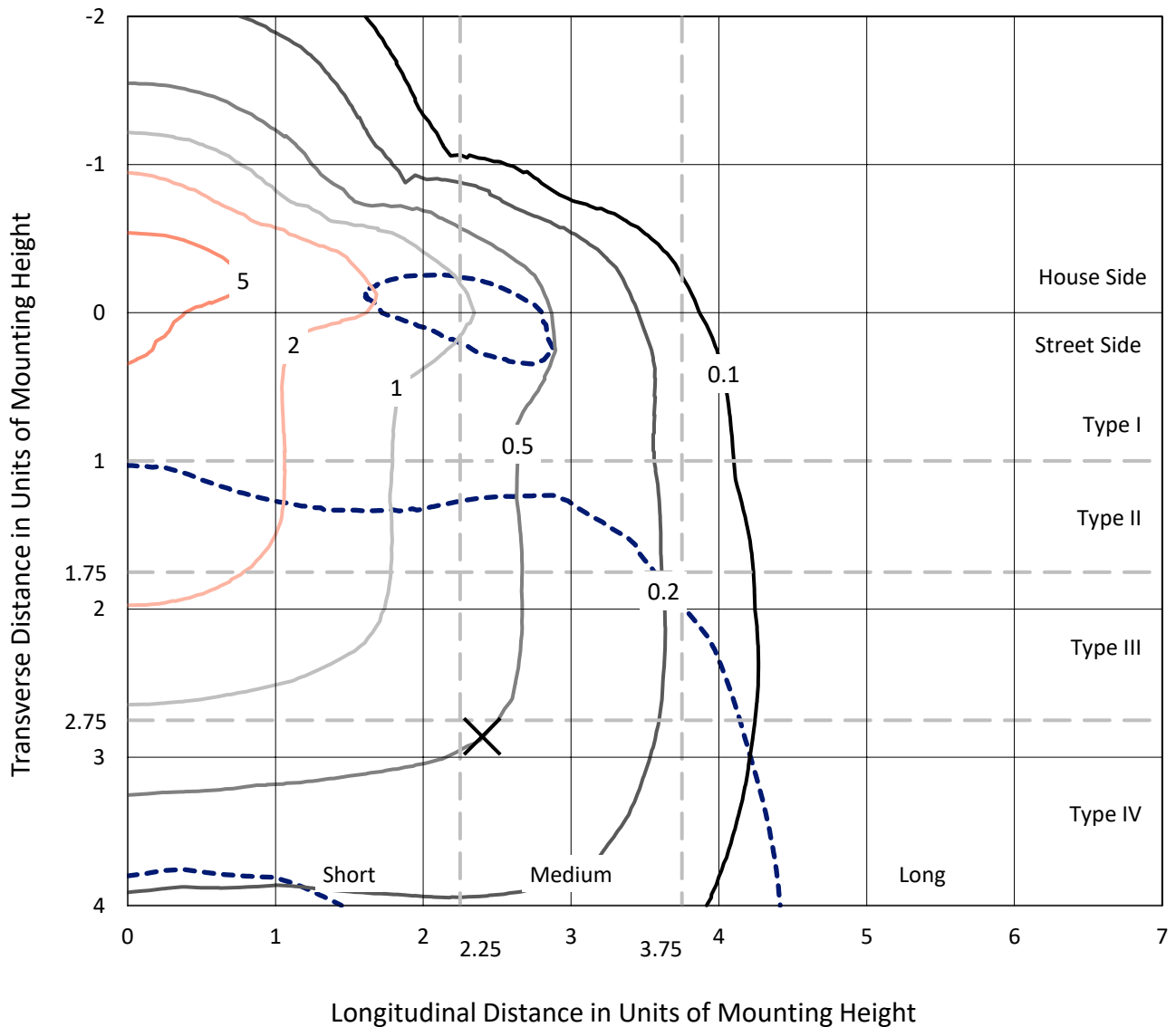
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848753
 CATALOG NUMBER: GLAN-SB5C-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

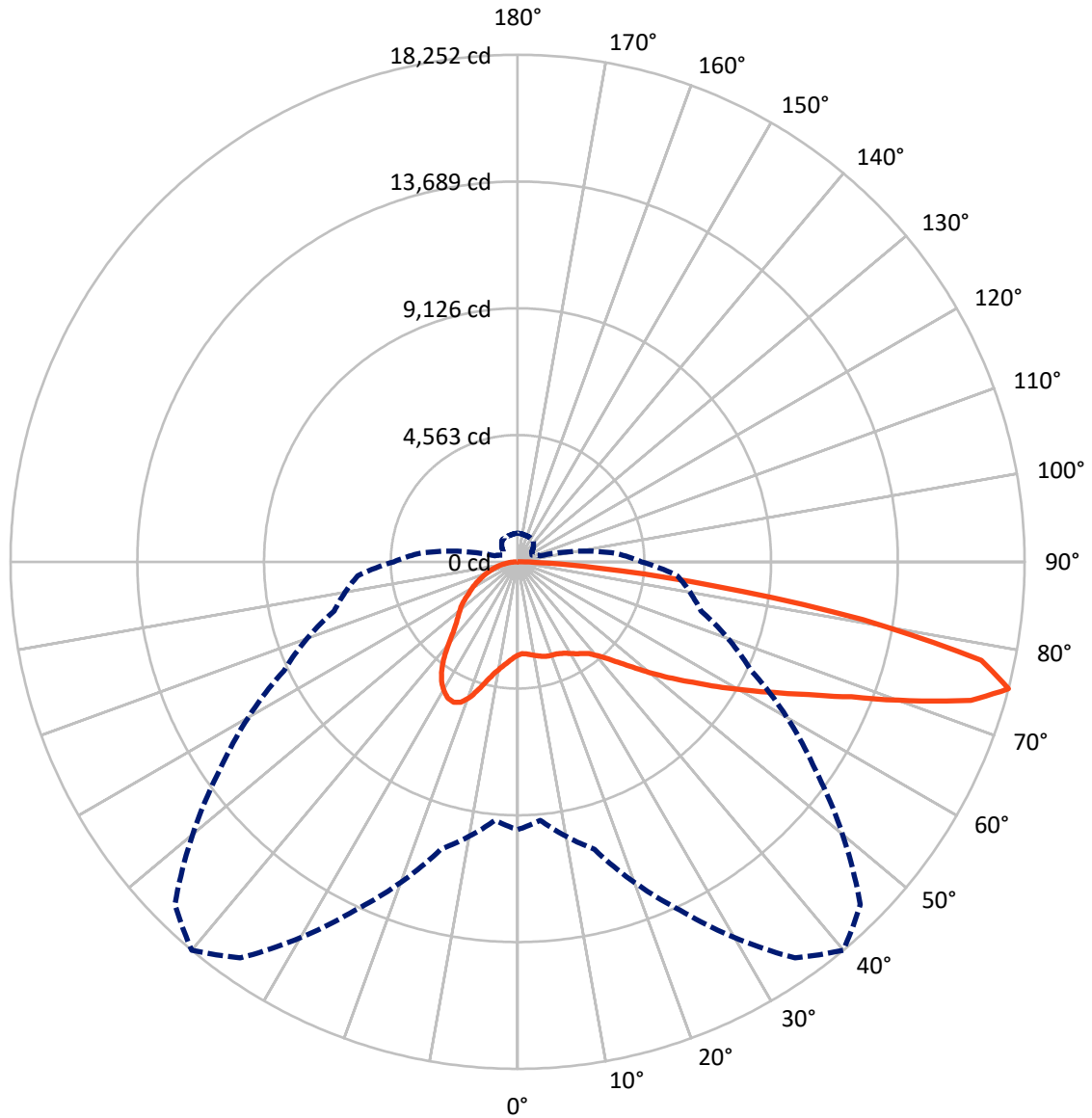
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P848753
CATALOG NUMBER: GLAN-SB5C-722-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P848753
 CATALOG NUMBER: GLAN-SB5C-722-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9085.6	0.0	9085.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	20238.5	0.0	20238.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	29324.0	0.0	29324.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.7	1.1
10°-20°	1123.8	3.8
20°-30°	2052.0	7.0
30°-40°	2910.2	9.9
40°-50°	3929.7	13.4
50°-60°	5286.5	18.0
60°-70°	6709.8	22.9
70°-80°	6089.6	20.8
80°-90°	887.7	3.0
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°	29324.0	100.0
0°-180°	29324.0	100.0

Coefficient of Utilization

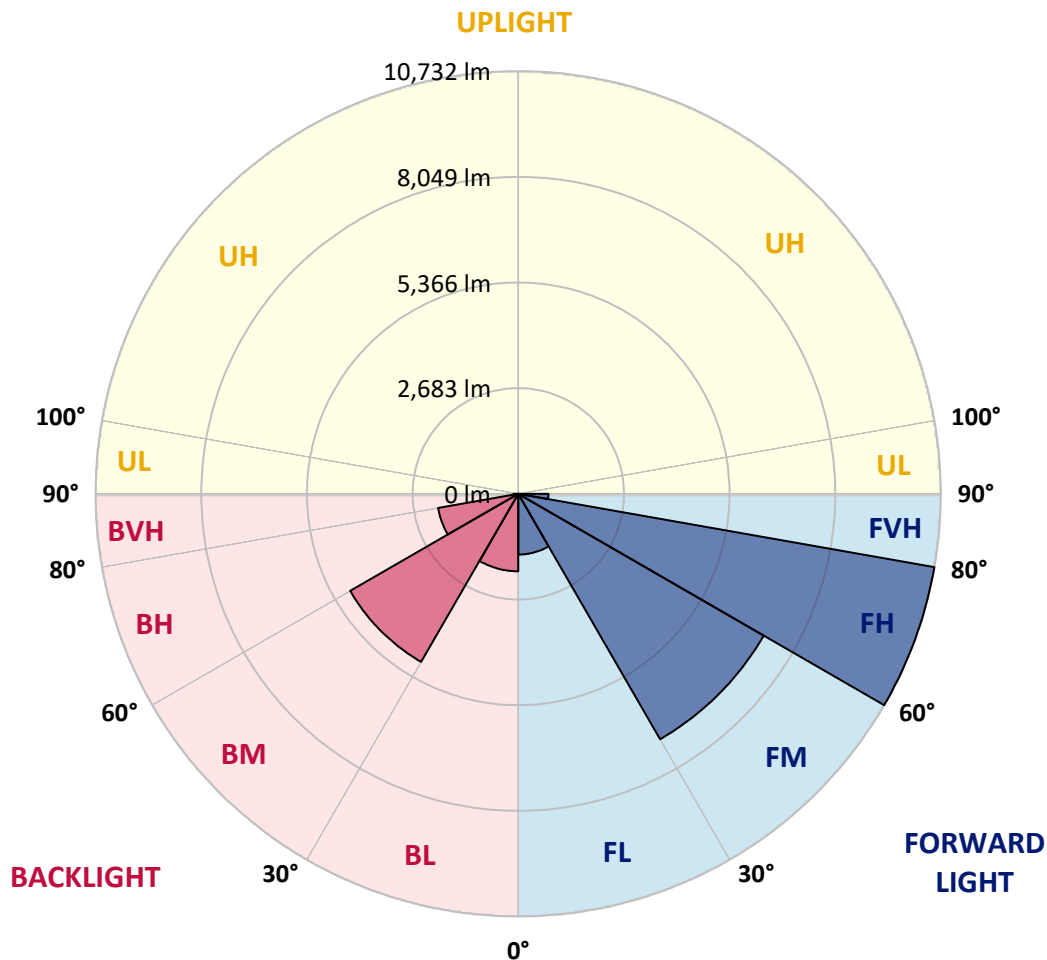


REPORT NUMBER: P848753
 CATALOG NUMBER: GLAN-SB5C-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1542.5	5.3			
FM (30°-60°)	7198.4	24.5			
FH (60°-80°)	10732.1	36.6			G4/12000
FVH (80°-90°)	765.5	2.6			G5
BL (0°-30°)	1968.0	6.7	B3/2500		
BM (30°-60°)	4928.1	16.8	B3/5000		
BH (60°-80°)	2067.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	122.2	0.4			G2/225
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 Medium



REPORT NUMBER: P848753

CATALOG NUMBER: GLAN-SB5C-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3353.2	3353.2	3353.2	3353.2	3353.2	3353.2	3353.2	3353.2	3353.2	3353.2
2.5°	3301.9	3320.6	3315.9	3309.7	3309.7	3311.2	3309.7	3320.6	3331.5	3342.4
5°	3336.1	3354.8	3345.5	3337.7	3331.5	3329.9	3325.2	3323.7	3329.9	3343.9
7.5°	3403.0	3421.7	3407.7	3393.7	3381.2	3375.0	3368.8	3359.5	3354.8	3362.6
10°	3477.7	3496.3	3479.2	3454.3	3434.1	3426.3	3420.1	3410.8	3404.6	3409.2
12.5°	3552.3	3571.0	3547.7	3513.4	3487.0	3482.3	3474.6	3471.4	3469.9	3468.3
15°	3622.3	3637.9	3608.3	3567.9	3539.9	3532.1	3524.3	3529.0	3536.8	3546.1
17.5°	3676.7	3692.3	3648.7	3595.9	3569.4	3566.3	3561.6	3577.2	3599.0	3622.3
20°	3726.5	3742.1	3686.1	3614.5	3583.4	3583.4	3585.0	3617.6	3648.7	3683.0
22.5°	3796.5	3808.9	3740.5	3642.5	3597.4	3600.5	3613.0	3645.6	3684.5	3731.2
25°	3900.7	3910.0	3826.1	3695.4	3644.1	3653.4	3664.3	3679.9	3717.2	3771.6
27.5°	4068.7	4076.5	3966.0	3788.7	3711.0	3726.5	3742.1	3731.2	3748.3	3794.9
30°	4305.1	4309.8	4169.8	3934.9	3824.5	3832.3	3835.4	3790.3	3757.6	3794.9
32.5°	4585.0	4583.5	4417.1	4112.2	3953.6	3945.8	3919.4	3830.7	3754.5	3787.2
35°	5019.0	5001.9	4787.2	4361.1	4099.8	4051.6	3989.4	3875.8	3770.1	3779.4
37.5°	5737.5	5684.6	5387.6	4768.6	4317.5	4194.7	4102.9	3948.9	3804.3	3776.3
40°	6547.8	6481.0	6154.3	5326.9	4644.1	4446.6	4298.9	4053.1	3860.3	3790.3
42.5°	7509.0	7414.1	7062.6	5984.8	5057.9	4771.7	4549.3	4185.3	3942.7	3835.4
45°	8689.5	8563.5	8065.8	6726.7	5578.9	5197.8	4900.8	4386.0	4068.7	3922.5
47.5°	9882.4	9913.5	9205.9	7575.9	6204.1	5723.5	5340.9	4687.7	4252.2	4062.5
50°	11150.0	11171.8	10339.7	8516.9	6913.3	6317.7	5835.5	5025.2	4507.3	4261.5
52.5°	12139.2	12142.3	11369.3	9501.4	7652.1	6970.9	6369.0	5410.9	4802.8	4525.9
55°	12758.2	12750.4	12090.9	10433.0	8501.3	7656.8	6960.0	5849.5	5163.6	4837.0
57.5°	13207.7	13184.3	12588.6	11234.0	9406.5	8467.1	7628.8	6347.2	5589.8	5207.2
60°	13378.7	13364.7	12926.1	11926.1	10358.3	9362.9	8400.2	6904.0	6073.5	5644.2
62.5°	13444.1	13470.5	13257.4	12596.4	11377.1	10355.2	9247.8	7569.7	6617.8	6138.8
65°	13674.2	13722.5	13678.9	13473.6	12528.0	11517.0	10372.3	8361.3	7212.0	6669.1
67.5°	14129.9	14178.2	14196.8	14523.4	13934.0	12965.0	11775.2	9347.4	7907.2	7219.7
70°	14119.1	14105.1	14434.8	15358.6	15694.6	14969.8	13666.5	10560.5	8736.2	7677.0
72.5°	12851.5	12739.5	13518.7	15349.3	17159.7	17063.3	15976.1	12125.2	9451.6	7733.0
75°	9641.3	9342.7	10719.2	13832.9	17403.9	18251.5	17444.3	13095.7	9282.1	6832.5
77.5°	4123.1	3822.9	5445.1	10240.1	15576.4	17061.7	16097.4	11425.3	7409.5	4518.2
80°	1079.4	1077.8	1645.5	4642.6	10593.2	12599.5	11053.6	7378.4	4233.5	1614.4
82.5°	446.4	435.5	605.0	1805.7	5176.1	7070.4	5770.2	3291.0	1528.9	437.0
85°	166.4	164.9	294.0	623.7	1825.9	2916.2	2110.5	841.4	381.0	213.1
87.5°	46.7	45.1	63.8	216.2	444.8	675.0	360.8	138.4	107.3	84.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848753
 CATALOG NUMBER: GLAN-SB5C-722-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3353.2	0°	3353.2	3353.2	3353.2	3353.2	3353.2	3353.2	3353.2	3353.2	3353.2	3353.2
3359.5	2.5°	3364.1	3371.9	3385.9	3396.8	3410.8	3426.3	3448.1	3462.1	3476.1	3485.4
3367.2	5°	3378.1	3395.2	3431.0	3466.8	3508.8	3547.7	3592.8	3625.4	3651.9	3659.6
3395.2	7.5°	3409.2	3437.2	3497.9	3558.5	3625.4	3689.2	3754.5	3810.5	3855.6	3872.7
3445.0	10°	3463.7	3501.0	3586.5	3672.1	3760.7	3858.7	3942.7	4023.6	4087.3	4113.8
3504.1	12.5°	3532.1	3578.8	3690.7	3808.9	3931.8	4067.1	4176.0	4275.5	4354.9	4390.6
3586.5	15°	3620.8	3681.4	3824.5	3983.1	4163.6	4351.7	4490.2	4600.6	4689.2	4732.8
3672.1	17.5°	3717.2	3798.1	3978.5	4218.0	4476.2	4723.5	4885.2	4966.1	5057.9	5099.8
3751.4	20°	3810.5	3910.0	4168.2	4516.6	4860.3	5123.2	5253.8	5275.6	5281.8	5286.5
3826.1	22.5°	3906.9	4040.7	4406.2	4893.0	5261.6	5443.6	5462.2	5368.9	5238.3	5177.6
3899.2	25°	4012.7	4190.0	4717.2	5308.3	5606.9	5628.7	5485.6	5258.5	5011.2	4897.7
3958.3	27.5°	4115.3	4362.6	5090.5	5704.9	5855.7	5664.4	5356.5	5034.5	4735.9	4616.1
4000.2	30°	4218.0	4560.2	5502.7	6051.7	5969.3	5575.8	5152.7	4793.5	4493.3	4367.3
4037.6	32.5°	4322.2	4790.3	5977.0	6302.1	5949.0	5387.6	4899.2	4522.8	4258.4	4126.2
4070.2	35°	4440.4	5073.4	6426.5	6439.0	5813.7	5110.7	4564.8	4199.3	3969.1	3863.4
4109.1	37.5°	4594.4	5432.7	6823.1	6473.2	5577.3	4704.8	4149.6	3816.7	3627.0	3578.8
4166.7	40°	4785.7	5865.1	7126.4	6418.7	5227.4	4211.8	3695.4	3429.4	3322.1	3333.0
4244.4	42.5°	5034.5	6348.8	7339.5	6278.8	4740.6	3703.2	3297.2	3179.0	3230.4	3273.9
4361.1	45°	5358.0	6851.1	7471.7	6040.8	4190.0	3272.4	3062.4	3090.4	3129.3	3133.9
4549.3	47.5°	5771.7	7359.7	7558.8	5681.5	3628.5	2969.1	2913.1	2919.3	2911.5	2878.9
4830.8	50°	6288.1	7854.3	7636.5	5205.6	3151.0	2779.3	2704.7	2682.9	2575.6	2469.8
5205.6	52.5°	6876.0	8308.4	7669.2	4614.6	2779.3	2620.7	2499.4	2362.5	2161.9	2129.2
5676.9	55°	7529.2	8728.4	7585.2	3888.3	2466.7	2416.9	2233.4	2068.6	2046.8	2018.8
6297.4	57.5°	8310.0	9181.0	7414.1	3077.9	2146.3	2179.0	2000.1	2018.8	1979.9	1936.4
7095.3	60°	9163.9	9649.1	7114.0	2339.2	1815.0	1881.9	1939.5	1937.9	1927.0	1891.3
7936.7	62.5°	9932.2	9957.1	6523.0	1791.7	1524.2	1651.7	1808.8	1807.3	1797.9	1777.7
8815.5	65°	10389.4	9910.4	5536.9	1410.7	1284.7	1462.0	1631.5	1644.0	1645.5	1644.0
9476.5	67.5°	10308.6	9364.5	4183.8	1122.9	1087.2	1269.1	1455.8	1472.9	1485.3	1488.4
9560.5	70°	9394.0	8165.4	2728.0	895.9	911.4	1099.6	1289.3	1306.5	1317.3	1329.8
8296.0	72.5°	7322.4	6003.5	1561.5	724.8	757.4	953.4	1124.5	1144.7	1150.9	1174.3
5773.3	75°	4462.2	3530.5	843.0	570.8	622.1	815.0	961.2	984.5	995.4	1023.4
2835.3	77.5°	2121.4	1528.9	480.6	444.8	500.8	665.7	811.9	838.3	808.8	824.3
782.3	80°	717.0	567.7	303.3	339.1	382.6	519.5	650.1	676.6	614.3	611.2
259.7	82.5°	250.4	230.2	192.9	225.5	247.3	371.7	491.5	525.7	457.3	455.7
116.6	85°	98.0	93.3	107.3	122.9	147.8	228.6	323.5	340.6	281.5	227.1
34.2	87.5°	20.2	21.8	26.4	28.0	45.1	79.3	116.6	143.1	113.5	96.4
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°
3353.2
3479.2
3662.7
3874.3
4115.3
4390.6
4729.7
5098.3
5298.9
5194.7
4914.8
4630.1
4381.3
4143.3
3886.7
3613.0
3370.3
3314.4
3165.0
2903.8
2483.8
2140.1
2023.5
1928.6
1878.8
1769.9
1644.0
1491.5
1336.0
1183.6
1026.5
811.9
605.0
433.9
224.0
88.7
0.0

F REPORT)