

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: P852933

Luminaire Tested: **GLAN-SB7C-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852933
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-SB7C-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41164 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

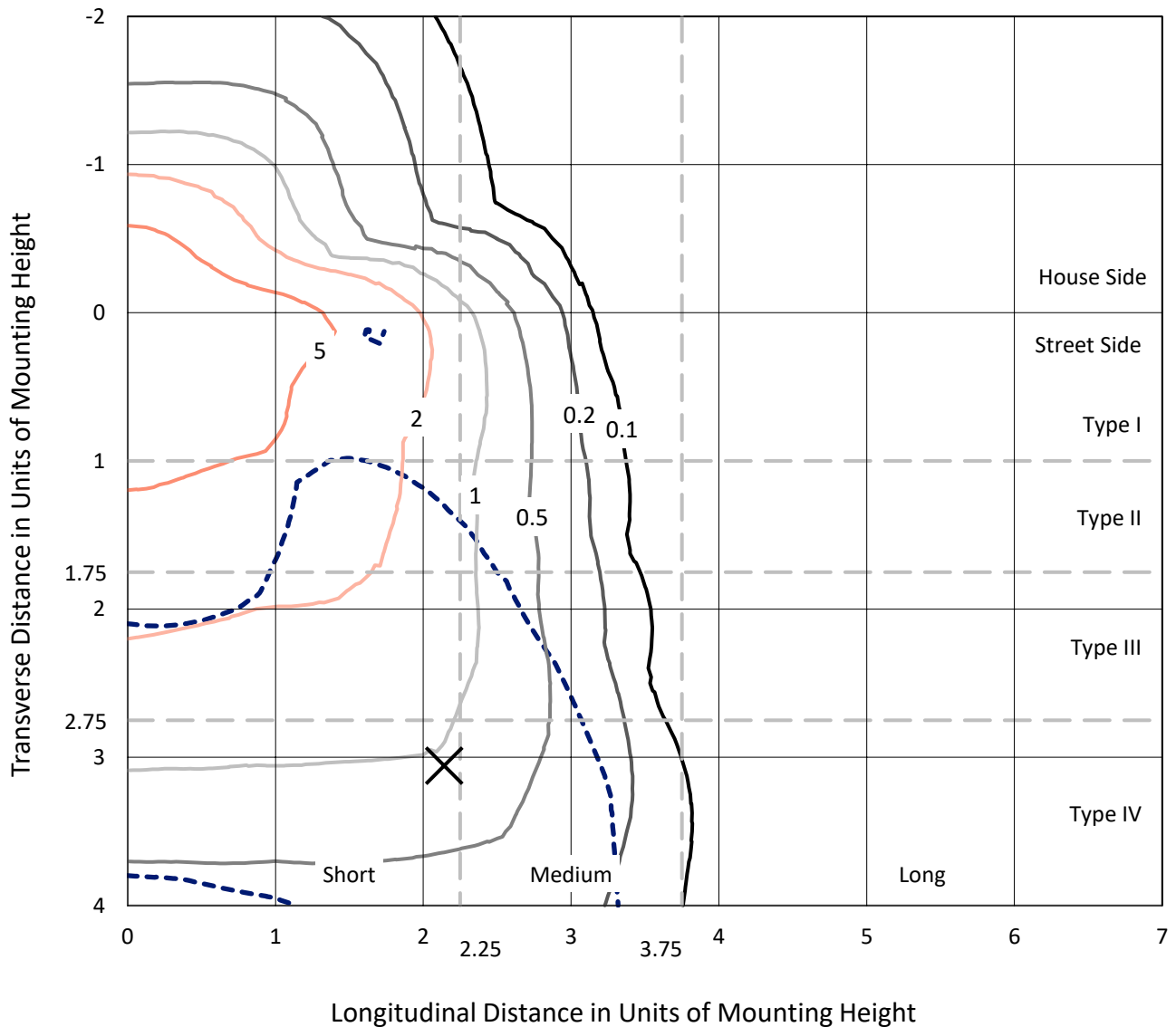
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852933
 CATALOG NUMBER: GLAN-SB7C-722-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

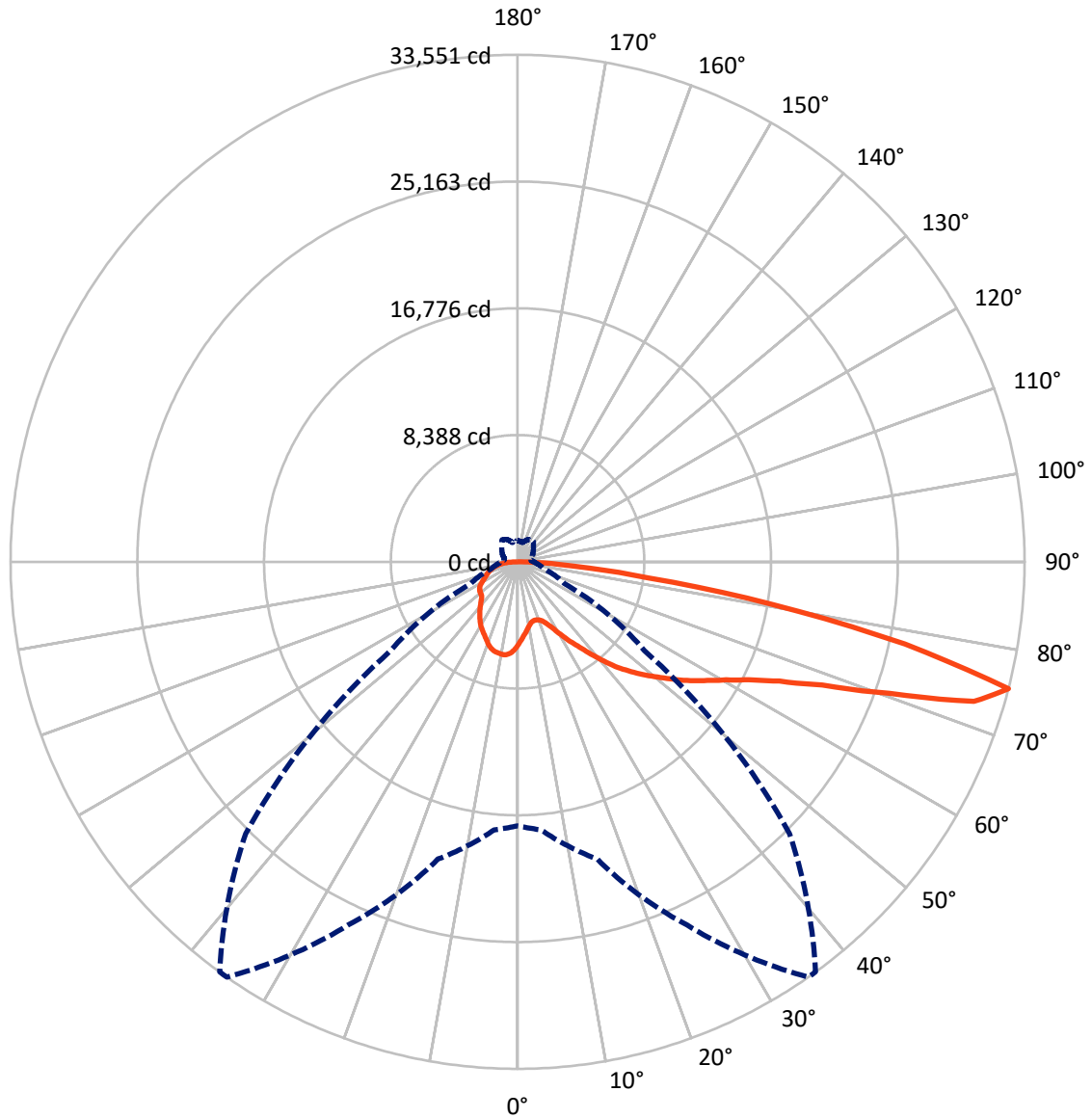
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P852933
CATALOG NUMBER: GLAN-SB7C-722-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852933
 CATALOG NUMBER: GLAN-SB7C-722-U-T4FT

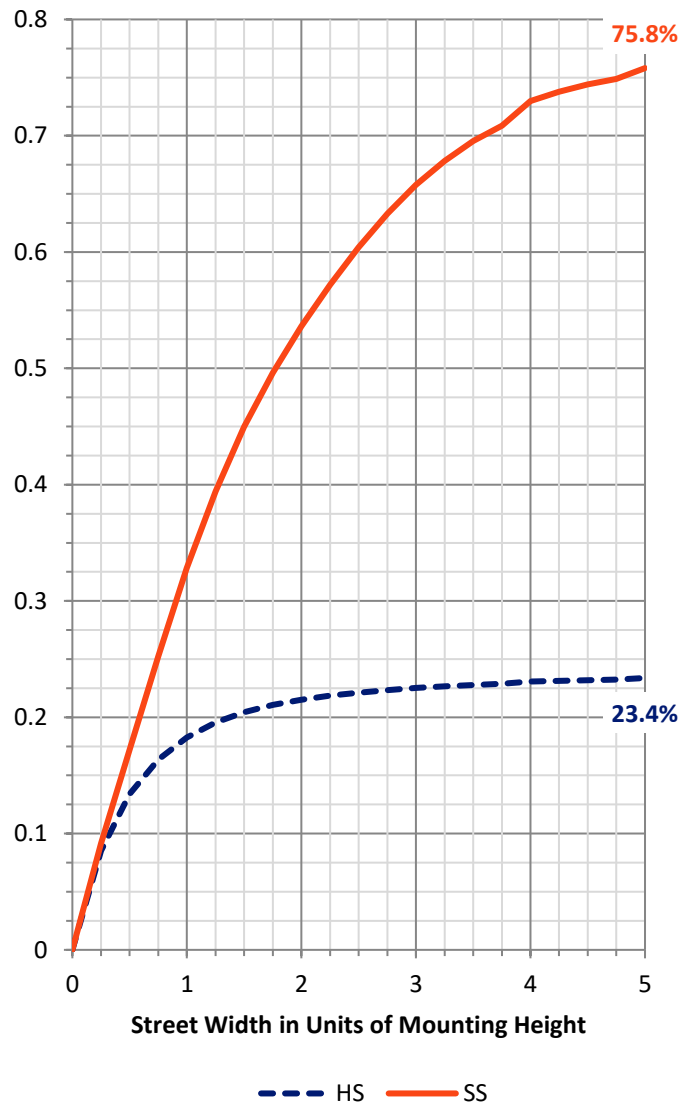
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9796.0	0.0	9796.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	31368.0	0.0	31368.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	41164.0	0.0	41164.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.4	1.3
10°-20°	1498.1	3.6
20°-30°	2515.6	6.1
30°-40°	3909.6	9.5
40°-50°	5802.9	14.1
50°-60°	8011.3	19.5
60°-70°	9719.5	23.6
70°-80°	8032.4	19.5
80°-90°	1155.3	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°	41164.0	100.0
0°-180°	41164.0	100.0

Coefficient of Utilization

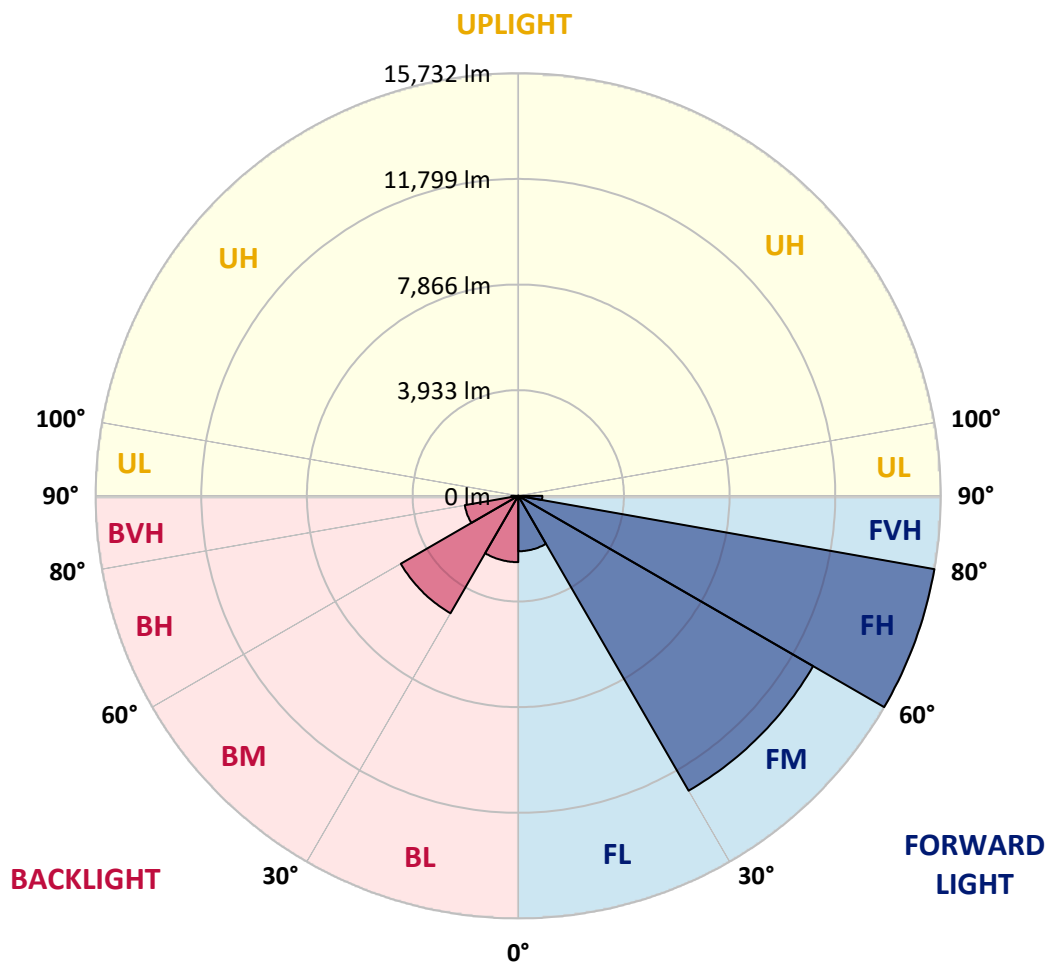


REPORT NUMBER: P852933
 CATALOG NUMBER: GLAN-SB7C-722-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2064.3	5.0			
FM (30°-60°)	12676.3	30.8			
FH (60°-80°)	15732.3	38.2			G5
FVH (80°-90°)	895.2	2.2			G5
BL (0°-30°)	2468.7	6.0	B3/2500		
BM (30°-60°)	5047.5	12.3	B4/8500		
BH (60°-80°)	2019.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	260.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



REPORT NUMBER: P852933
 CATALOG NUMBER: GLAN-SB7C-722-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	5485.4	5485.4	5485.4	5485.4	5485.4	5485.4	5485.4	5485.4	5485.4	5485.4
2.5°	5058.1	5089.3	5102.6	5096.0	5129.3	5124.9	5171.6	5229.5	5309.6	5387.5
5°	4668.7	4702.1	4731.0	4757.7	4822.2	4842.3	4915.7	5027.0	5173.8	5322.9
7.5°	4306.0	4334.9	4379.4	4428.4	4537.4	4557.4	4679.8	4853.4	5058.1	5276.2
10°	4010.0	4038.9	4085.7	4141.3	4277.0	4301.5	4457.3	4688.7	4955.8	5231.7
12.5°	3883.2	3892.1	3918.8	3974.4	4092.3	4107.9	4279.3	4544.1	4855.6	5198.3
15°	3876.5	3894.3	3896.5	3925.4	4023.4	4030.0	4188.0	4450.6	4793.3	5191.6
17.5°	3943.2	3956.6	3936.6	3954.4	4036.7	4047.8	4172.5	4406.1	4773.3	5220.6
20°	4121.3	4132.4	4072.3	4047.8	4107.9	4116.8	4239.2	4435.0	4793.3	5280.7
22.5°	4499.6	4506.2	4359.4	4259.2	4263.7	4268.1	4375.0	4553.0	4871.2	5389.7
25°	5089.3	5084.8	4851.2	4657.6	4546.3	4521.8	4593.0	4744.4	5002.5	5534.3
27.5°	5779.1	5745.7	5512.1	5222.8	4980.2	4944.6	4929.1	4993.6	5189.4	5725.7
30°	6558.0	6526.8	6275.4	5897.1	5561.0	5503.2	5356.3	5322.9	5467.6	5986.1
32.5°	7412.5	7392.5	7092.1	6633.6	6184.1	6117.4	5870.4	5781.3	5894.8	6380.0
35°	8129.0	8111.2	7862.0	7390.2	6840.6	6758.3	6506.8	6406.7	6464.5	6885.1
37.5°	8776.6	8767.7	8554.1	8182.5	7615.0	7514.9	7232.2	7198.9	7187.7	7550.5
40°	9377.4	9355.2	9132.7	8936.8	8516.2	8425.0	8175.8	8146.8	8062.3	8369.4
42.5°	10042.8	9985.0	9662.3	9571.0	9457.6	9381.9	9232.8	9237.2	9050.3	9292.9
45°	10585.8	10552.4	10220.8	10167.4	10289.8	10258.7	10387.7	10421.1	10058.4	10260.9
47.5°	11168.8	11137.7	10857.3	10819.4	11151.0	11159.9	11616.1	11627.2	11042.0	11266.7
50°	11887.6	11843.1	11564.9	11611.7	11983.3	12016.7	12851.1	12775.5	11947.7	12288.1
52.5°	12361.6	12388.3	12328.2	12403.9	12911.2	12942.4	14066.2	13872.6	12844.5	13296.2
55°	12711.0	12764.4	12951.3	13124.9	13890.4	13921.5	15212.2	14916.2	13587.7	14230.8
57.5°	13160.5	13084.8	13434.2	13772.4	14820.5	14902.9	16327.1	15922.1	14246.4	15036.4
60°	13805.8	13752.4	14023.9	14524.6	15862.0	15993.3	17506.5	16827.8	14729.3	15675.1
62.5°	15114.3	14980.8	15023.0	15465.9	17174.9	17348.5	18837.2	17617.8	14969.6	15924.3
65°	17070.3	16841.1	16627.5	16934.6	19024.1	19195.5	20339.3	18238.6	14880.6	15441.4
67.5°	19533.7	19306.8	19044.2	19333.5	21747.9	21883.7	22193.0	18588.0	14179.7	13581.0
70°	21565.4	21480.9	21794.7	22985.2	26098.4	26102.8	24569.6	18298.7	12259.2	9628.9
72.5°	21296.2	21245.0	22898.4	26579.1	31581.6	31463.6	26819.4	16109.0	8258.1	4343.8
75°	17470.9	17802.5	20363.8	26514.5	33551.0	33535.4	25441.9	10240.9	3415.8	1800.3
77.5°	9368.5	9893.7	13220.5	19576.0	26191.9	26585.7	17887.0	3582.7	1466.5	1152.7
80°	3055.3	3513.8	5269.5	9967.1	17019.1	16945.7	7666.2	1406.4	1003.6	816.7
82.5°	1297.4	1350.8	2354.4	4706.5	8734.3	8598.6	2441.2	807.8	705.4	558.6
85°	507.4	567.5	1039.2	2176.4	3783.0	3700.7	881.2	400.6	451.7	365.0
87.5°	166.9	202.5	371.6	745.5	1177.2	1134.9	215.9	138.0	195.8	166.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852933
 CATALOG NUMBER: GLAN-SB7C-722-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5485.4	0°	5485.4	5485.4	5485.4	5485.4	5485.4	5485.4	5485.4	5485.4	5485.4	5485.4
5501.0	2.5°	5532.1	5567.7	5610.0	5672.3	5725.7	5770.2	5817.0	5845.9	5857.0	5890.4
5509.9	5°	5572.2	5650.1	5754.6	5857.0	5957.1	6017.2	6070.6	6097.3	6121.8	6139.6
5534.3	7.5°	5638.9	5739.1	5903.7	6037.3	6121.8	6170.8	6206.4	6197.5	6206.4	6210.8
5561.0	10°	5696.8	5837.0	6032.8	6159.6	6224.2	6226.4	6217.5	6186.4	6170.8	6173.0
5601.1	12.5°	5765.8	5921.5	6132.9	6239.8	6257.6	6208.6	6170.8	6117.4	6097.3	6088.4
5661.2	15°	5859.2	6037.3	6242.0	6282.0	6237.5	6175.2	6110.7	6023.9	5979.4	5943.8
5763.5	17.5°	5972.7	6168.6	6326.5	6297.6	6201.9	6099.6	5995.0	5863.7	5772.4	5734.6
5903.7	20°	6130.7	6306.5	6391.1	6264.2	6119.6	5963.8	5785.8	5625.6	5541.0	5503.2
6081.8	22.5°	6322.1	6491.2	6453.4	6206.4	6001.7	5752.4	5529.9	5411.9	5369.7	5343.0
6311.0	25°	6551.3	6695.9	6497.9	6121.8	5808.1	5472.0	5300.7	5262.9	5242.8	5222.8
6591.4	27.5°	6849.5	6927.4	6531.3	5997.2	5505.4	5173.8	5111.5	5118.2	5111.5	5078.2
6980.8	30°	7243.4	7227.8	6562.4	5794.7	5158.3	4904.6	4909.0	4938.0	4942.4	4920.2
7523.8	32.5°	7761.9	7603.9	6578.0	5532.1	4826.7	4668.7	4673.1	4704.3	4726.6	4688.7
8233.6	35°	8389.4	8042.3	6553.5	5202.8	4570.8	4443.9	4410.6	4419.5	4426.1	4390.5
9094.8	37.5°	9121.5	8534.1	6444.5	4837.8	4359.4	4223.6	4152.4	4092.3	4056.7	4023.4
10069.5	40°	9924.9	9070.4	6244.2	4481.8	4123.5	3990.0	3883.2	3769.7	3649.5	3605.0
11102.1	42.5°	10766.0	9622.2	6001.7	4141.3	3852.0	3743.0	3629.5	3464.8	3284.6	3193.3
12174.7	45°	11638.4	10187.5	5763.5	3805.3	3573.8	3527.1	3395.8	3197.8	3001.9	2886.2
13249.5	47.5°	12492.9	10721.5	5414.2	3467.0	3313.5	3364.7	3262.3	3079.8	2861.7	2679.3
14315.4	50°	13309.6	11222.2	4842.3	3124.3	3102.1	3315.7	3217.8	2955.2	2706.0	2472.3
15361.3	52.5°	14119.6	11627.2	4110.1	2812.8	2988.6	3302.4	3159.9	2870.6	2565.8	2321.0
16344.9	55°	14807.2	11836.4	3404.7	2545.8	2823.9	3188.9	3091.0	2770.5	2367.7	2107.4
17019.1	57.5°	15198.8	11667.3	2817.2	2283.2	2596.9	3001.9	2973.0	2556.9	2131.8	1931.6
17150.4	60°	15029.7	10981.9	2336.6	2054.0	2381.1	2799.4	2768.3	2345.5	1951.6	1762.4
16447.2	62.5°	14097.3	9675.6	1956.0	1853.7	2185.3	2592.5	2563.6	2183.0	1813.6	1631.1
14580.2	65°	12219.2	7870.9	1660.1	1686.8	1987.2	2343.2	2385.5	2047.3	1704.6	1526.6
11280.1	67.5°	9319.6	5701.2	1428.6	1542.1	1793.6	2098.5	2220.9	1949.4	1613.3	1444.2
6526.8	70°	5311.8	3237.8	1232.8	1401.9	1622.2	1871.5	2094.0	1871.5	1515.4	1375.2
2445.6	72.5°	2013.9	1486.5	1065.9	1261.7	1457.6	1680.1	1953.8	1749.1	1401.9	1297.4
1264.0	75°	1074.8	905.7	896.8	1097.1	1268.4	1493.2	1778.0	1628.9	1317.4	1370.8
874.5	77.5°	732.1	640.9	749.9	939.1	1061.5	1286.2	1591.1	1446.4	1141.6	1137.1
605.3	80°	507.4	454.0	609.7	756.6	821.1	1081.5	1388.6	1241.7	930.2	867.9
373.9	82.5°	304.9	296.0	456.2	565.2	580.8	834.5	1150.5	1041.4	761.1	663.1
222.5	85°	166.9	175.8	291.5	331.6	338.2	583.0	901.2	805.6	585.3	491.8
80.1	87.5°	46.7	60.1	106.8	131.3	162.4	302.6	536.3	478.4	293.7	204.7
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°
5485.4
5888.2
6144.1
6217.5
6177.5
6084.0
5954.9
5736.8
5498.7
5347.4
5222.8
5084.8
4931.3
4706.5
4415.0
4045.6
3625.0
3204.4
2877.3
2659.2
2452.3
2294.3
2085.1
1904.9
1735.7
1602.2
1497.6
1417.5
1357.4
1279.6
1415.3
1048.1
830.0
667.6
496.2
204.7
0.0

F REPORT)