

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: P851323

Luminaire Tested: **GLAN-SB9B-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851323  
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-SB9B-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49112 lumens  
Efficiency: N/A  
Efficacy: 149.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

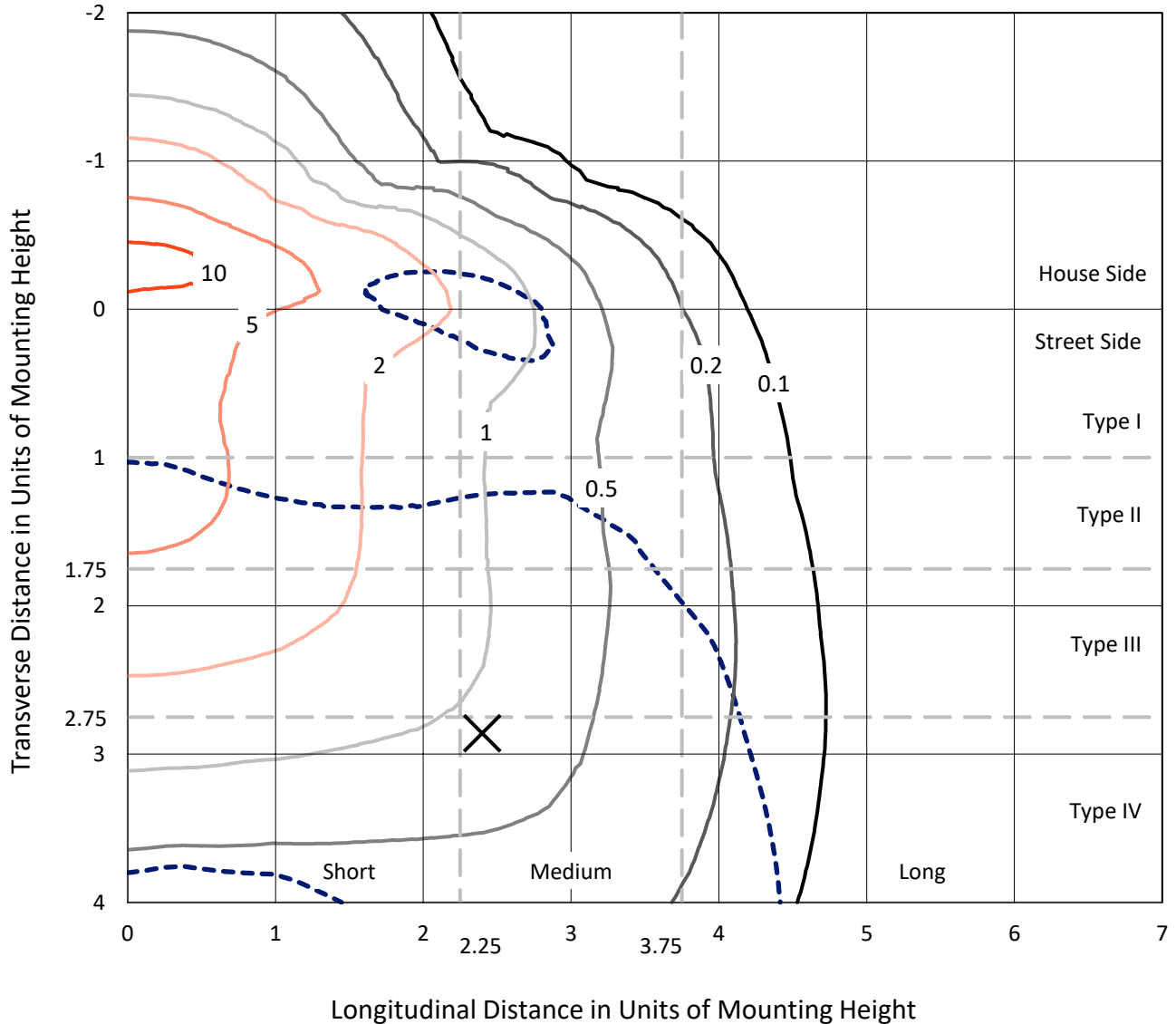
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P851323  
 CATALOG NUMBER: GLAN-SB9B-730-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

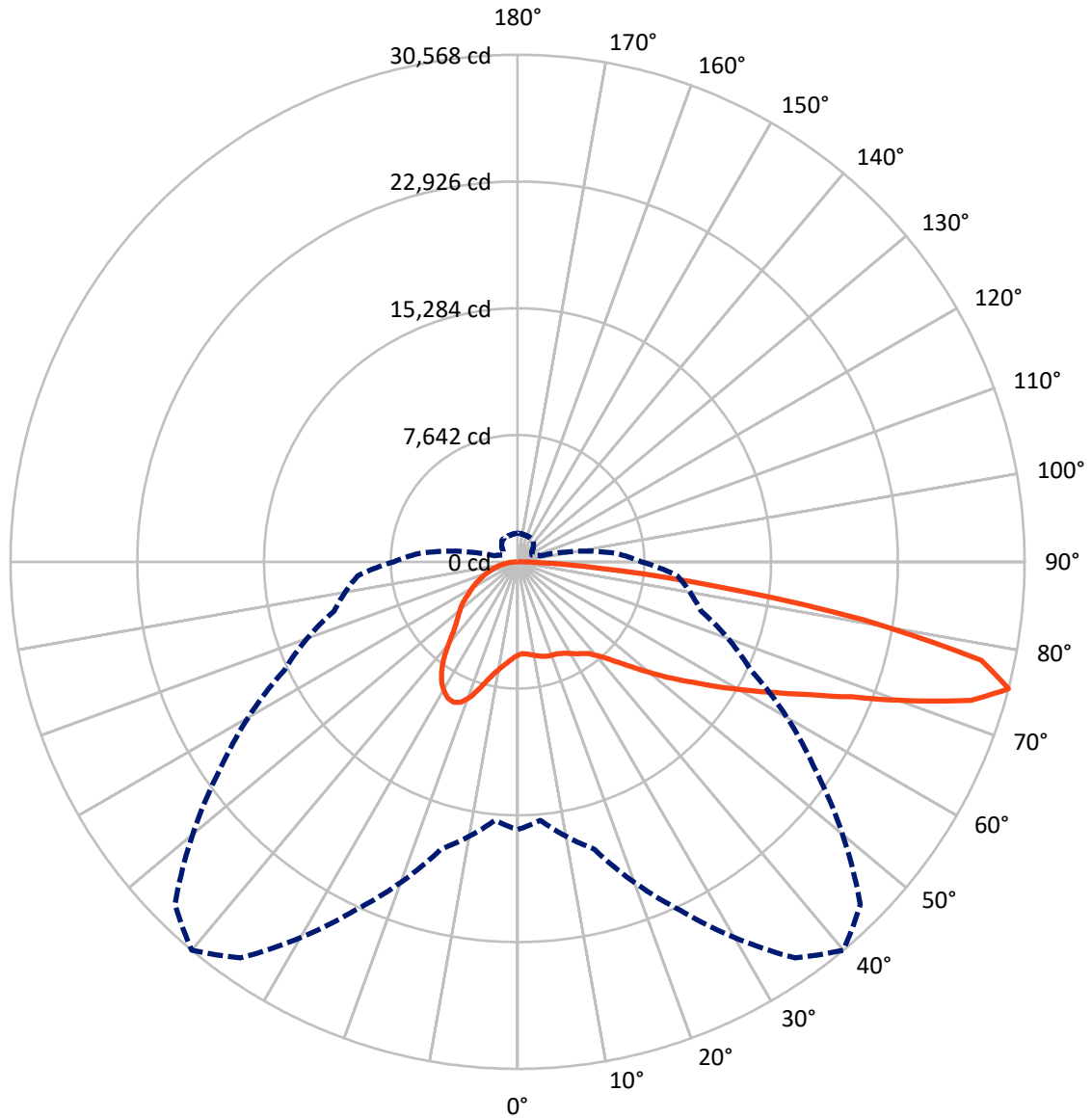
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P851323  
CATALOG NUMBER: GLAN-SB9B-730-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P851323  
 CATALOG NUMBER: GLAN-SB9B-730-U-SL4

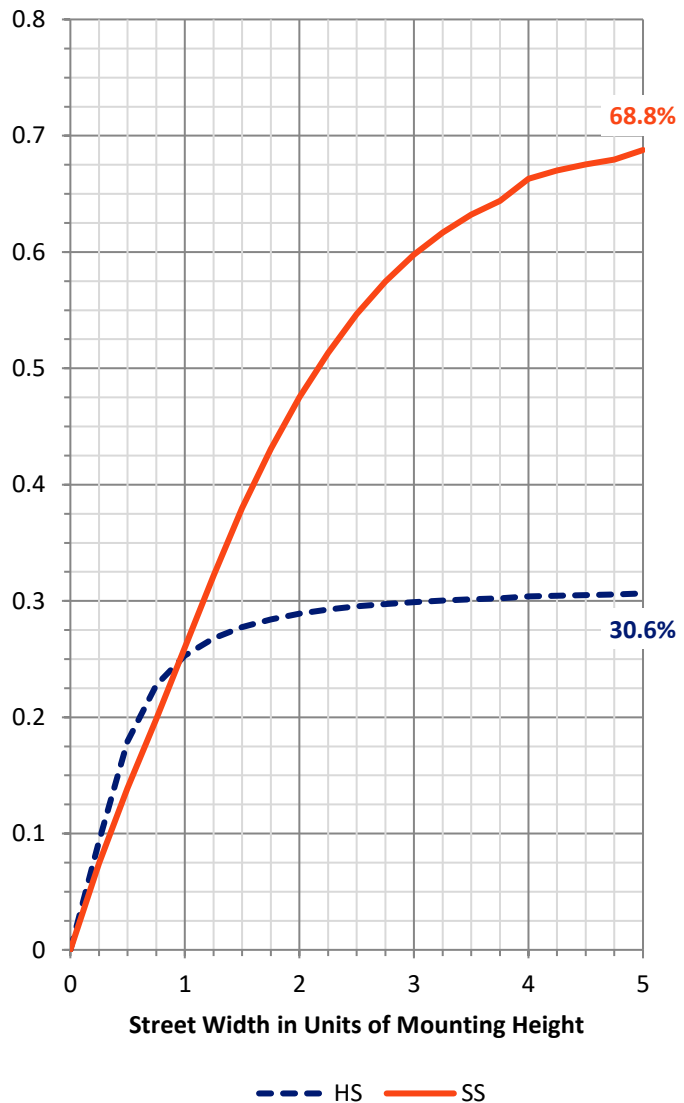
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15216.5	0.0	15216.5
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	33895.5	0.0	33895.5
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	49112.0	0.0	49112.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	560.6	1.1
10°-20°	1882.1	3.8
20°-30°	3436.6	7.0
30°-40°	4874.1	9.9
40°-50°	6581.5	13.4
50°-60°	8853.9	18.0
60°-70°	11237.6	22.9
70°-80°	10198.8	20.8
80°-90°	1486.7	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°	49112.0	100.0
0°-180°	49112.0	100.0

**Coefficient of Utilization**

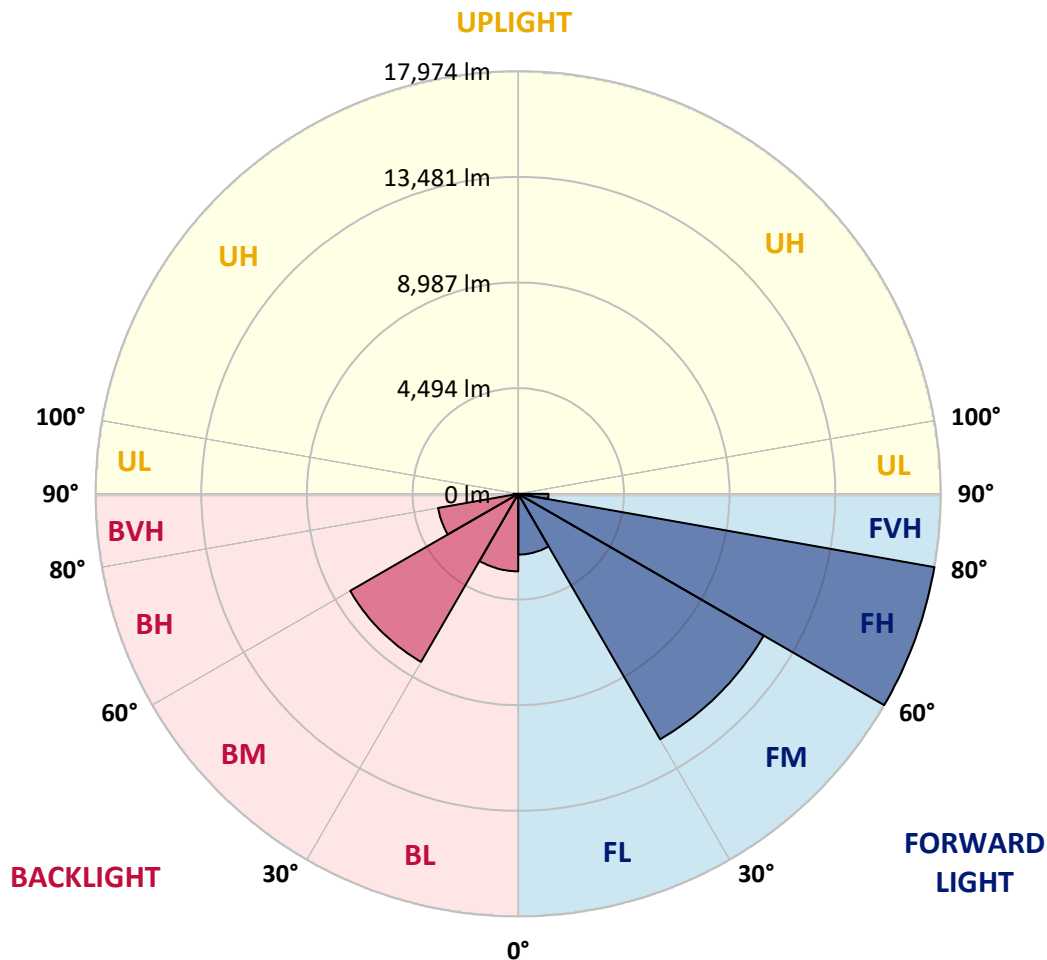


REPORT NUMBER: P851323  
 CATALOG NUMBER: GLAN-SB9B-730-U-SL4

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2583.3	5.3			
FM (30°-60°)	12055.9	24.5			
FH (60°-80°)	17974.2	36.6			G5
FVH (80°-90°)	1282.0	2.6			G5
BL (0°-30°)	3296.0	6.7	B4/5000		
BM (30°-60°)	8253.6	16.8	B4/8500		
BH (60°-80°)	3462.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	204.7	0.4			G2/225
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 Medium



REPORT NUMBER: P851323  
 CATALOG NUMBER: GLAN-SB9B-730-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5616.0	5616.0	5616.0	5616.0	5616.0	5616.0	5616.0	5616.0	5616.0	5616.0
2.5°	5530.1	5561.3	5553.5	5543.1	5543.1	5545.7	5543.1	5561.3	5579.6	5597.8
5°	5587.4	5618.6	5603.0	5590.0	5579.6	5577.0	5569.1	5566.5	5577.0	5600.4
7.5°	5699.4	5730.6	5707.2	5683.7	5662.9	5652.5	5642.1	5626.4	5618.6	5631.7
10°	5824.4	5855.7	5827.0	5785.3	5751.5	5738.4	5728.0	5712.4	5702.0	5709.8
12.5°	5949.4	5980.7	5941.6	5884.3	5840.0	5832.2	5819.2	5814.0	5811.4	5808.8
15°	6066.7	6092.7	6043.2	5975.5	5928.6	5915.6	5902.6	5910.4	5923.4	5939.0
17.5°	6157.8	6183.9	6110.9	6022.4	5978.1	5972.9	5965.1	5991.1	6027.6	6066.7
20°	6241.2	6267.2	6173.5	6053.6	6001.5	6001.5	6004.1	6058.8	6110.9	6168.2
22.5°	6358.4	6379.2	6264.6	6100.5	6025.0	6030.2	6051.0	6105.7	6170.9	6249.0
25°	6532.9	6548.6	6407.9	6189.1	6103.1	6118.8	6137.0	6163.0	6225.6	6316.7
27.5°	6814.2	6827.3	6642.3	6345.4	6215.1	6241.2	6267.2	6249.0	6277.7	6355.8
30°	7210.2	7218.0	6983.6	6590.2	6405.3	6418.3	6423.5	6348.0	6293.3	6355.8
32.5°	7679.1	7676.4	7397.7	6887.2	6621.5	6608.5	6564.2	6415.7	6288.1	6342.8
35°	8405.8	8377.1	8017.7	7304.0	6866.3	6785.6	6681.4	6491.2	6314.1	6329.7
37.5°	9609.2	9520.7	9023.1	7986.4	7231.0	7025.2	6871.6	6613.7	6371.4	6324.5
40°	10966.4	10854.3	10307.3	8921.6	7778.0	7447.2	7199.8	6788.2	6465.2	6348.0
42.5°	12576.1	12417.2	11828.6	10023.4	8470.9	7991.6	7619.1	7009.6	6603.3	6423.5
45°	14553.2	14342.2	13508.7	11265.9	9343.5	8705.4	8207.8	7345.6	6814.2	6569.4
47.5°	16551.1	16603.2	15418.0	12688.1	10390.7	9585.8	8945.0	7851.0	7121.6	6803.8
50°	18674.1	18710.5	17316.9	14264.1	11578.5	10580.8	9773.3	8416.2	7548.8	7137.2
52.5°	20330.7	20335.9	19041.3	15912.9	12815.8	11674.9	10666.8	9062.2	8043.7	7580.1
55°	21367.5	21354.4	20250.0	17473.2	14238.0	12823.6	11656.6	9796.8	8648.0	8101.0
57.5°	22120.3	22081.2	21083.5	18814.7	15754.0	14180.7	12776.7	10630.3	9361.8	8721.0
60°	22406.8	22383.3	21648.8	19973.9	17348.2	15681.1	14068.7	11562.9	10171.9	9452.9
62.5°	22516.2	22560.5	22203.6	21096.6	19054.4	17343.0	15488.3	12677.7	11083.6	10281.3
65°	22901.7	22982.5	22909.5	22565.7	20981.9	19288.8	17371.6	14003.6	12078.6	11169.5
67.5°	23664.9	23745.7	23776.9	24323.9	23336.7	21713.9	19721.2	15655.1	13243.0	12091.6
70°	23646.7	23623.2	24175.5	25722.7	26285.4	25071.5	22888.7	17686.8	14631.4	12857.5
72.5°	21523.7	21336.2	22641.2	25707.1	28739.1	28577.6	26756.9	20307.3	15829.6	12951.2
75°	16147.4	15647.2	17952.5	23167.4	29148.1	30567.7	29215.8	21932.7	15545.7	11443.0
77.5°	6905.4	6402.7	9119.5	17150.2	26087.4	28575.0	26960.0	19135.1	12409.4	7567.0
80°	1807.8	1805.2	2755.9	7775.4	17741.5	21101.8	18512.6	12357.3	7090.4	2703.8
82.5°	747.6	729.4	1013.3	3024.2	8668.9	11841.6	9663.9	5511.8	2560.6	732.0
85°	278.7	276.1	492.3	1044.5	3058.1	4884.1	3534.8	1409.2	638.2	356.9
87.5°	78.1	75.5	106.8	362.1	745.0	1130.5	604.3	231.8	179.7	140.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851323  
 CATALOG NUMBER: GLAN-SB9B-730-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5616.0	0°	5616.0	5616.0	5616.0	5616.0	5616.0	5616.0	5616.0	5616.0	5616.0	5616.0
5626.4	2.5°	5634.3	5647.3	5670.7	5689.0	5712.4	5738.4	5774.9	5798.4	5821.8	5837.4
5639.5	5°	5657.7	5686.4	5746.3	5806.2	5876.5	5941.6	6017.2	6071.9	6116.2	6129.2
5686.4	7.5°	5709.8	5756.7	5858.3	5959.9	6071.9	6178.7	6288.1	6381.8	6457.4	6486.0
5769.7	10°	5801.0	5863.5	6006.7	6150.0	6298.5	6462.6	6603.3	6738.7	6845.5	6889.8
5868.7	12.5°	5915.6	5993.7	6181.3	6379.2	6585.0	6811.6	6994.0	7160.7	7293.5	7353.4
6006.7	15°	6064.1	6165.6	6405.3	6671.0	6973.1	7288.3	7520.2	7705.1	7853.6	7926.5
6150.0	17.5°	6225.6	6361.0	6663.2	7064.3	7496.7	7910.9	8181.8	8317.2	8470.9	8541.3
6282.9	20°	6381.8	6548.6	6981.0	7564.4	8140.1	8580.3	8799.1	8835.6	8846.0	8853.8
6407.9	22.5°	6543.3	6767.4	7379.5	8194.8	8812.2	9116.9	9148.2	8991.9	8773.1	8671.5
6530.3	25°	6720.5	7017.4	7900.5	8890.3	9390.4	9426.9	9187.3	8806.9	8392.8	8202.6
6629.3	27.5°	6892.4	7306.6	8525.6	9554.5	9807.2	9486.8	8971.0	8431.8	7931.7	7731.1
6699.6	30°	7064.3	7637.4	9215.9	10135.4	9997.4	9338.3	8629.8	8028.1	7525.4	7314.4
6762.1	32.5°	7238.8	8022.9	10010.4	10554.8	9963.5	9023.1	8205.2	7574.9	7132.0	6910.6
6816.9	35°	7436.8	8497.0	10763.2	10784.0	9736.9	8559.5	7645.2	7033.1	6647.5	6470.4
6882.0	37.5°	7694.7	9098.7	11427.4	10841.3	9340.9	7879.6	6949.7	6392.3	6074.5	5993.7
6978.4	40°	8015.1	9822.8	11935.4	10750.2	8754.8	7053.9	6189.1	5743.7	5563.9	5582.2
7108.6	42.5°	8431.8	10632.9	12292.2	10515.7	7939.5	6202.1	5522.2	5324.3	5410.2	5483.2
7304.0	45°	8973.7	11474.3	12513.6	10117.2	7017.4	5480.6	5128.9	5175.8	5240.9	5248.7
7619.1	47.5°	9666.5	12326.1	12659.5	9515.5	6077.1	4972.6	4878.9	4889.3	4876.2	4821.5
8090.6	50°	10531.3	13154.4	12789.7	8718.4	5277.4	4654.8	4529.8	4493.3	4313.6	4136.5
8718.4	52.5°	11516.0	13915.0	12844.4	7728.5	4654.8	4389.1	4186.0	3956.7	3620.7	3566.0
9507.6	55°	12610.0	14618.3	12703.8	6512.1	4131.3	4047.9	3740.5	3464.4	3428.0	3381.1
10547.0	57.5°	13917.6	15376.3	12417.2	5155.0	3594.7	3649.4	3349.8	3381.1	3316.0	3243.0
11883.3	60°	15347.7	16160.4	11914.5	3917.7	3039.8	3151.8	3248.2	3245.6	3227.4	3167.5
13292.5	62.5°	16634.5	16676.1	10924.7	3000.8	2552.7	2766.3	3029.4	3026.8	3011.2	2977.3
14764.2	65°	17400.3	16598.0	9273.2	2362.6	2151.6	2448.5	2732.5	2753.3	2755.9	2753.3
15871.3	67.5°	17264.8	15683.7	7007.0	1880.7	1820.8	2125.5	2438.1	2466.8	2487.6	2492.8
16011.9	70°	15733.2	13675.4	4568.9	1500.4	1526.4	1841.6	2159.4	2188.1	2206.3	2227.1
13894.2	72.5°	12263.6	10054.7	2615.3	1213.9	1268.6	1596.8	1883.3	1917.2	1927.6	1966.6
9669.1	75°	7473.3	5913.0	1411.8	956.0	1041.9	1364.9	1609.8	1648.9	1667.1	1714.0
4748.6	77.5°	3553.0	2560.6	804.9	745.0	838.8	1114.9	1359.7	1404.0	1354.5	1380.6
1310.2	80°	1200.8	950.8	507.9	567.9	640.8	870.0	1088.8	1133.1	1028.9	1023.7
435.0	82.5°	419.4	385.5	323.0	377.7	414.2	622.6	823.1	880.4	765.8	763.2
195.4	85°	164.1	156.3	179.7	205.8	247.5	382.9	541.8	570.5	471.5	380.3
57.3	87.5°	33.9	36.5	44.3	46.9	75.5	132.8	195.4	239.6	190.2	161.5
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



180°
5616.0
5827.0
6134.4
6488.6
6892.4
7353.4
7921.3
8538.6
8874.7
8700.1
8231.3
7754.6
7337.8
6939.3
6509.5
6051.0
5644.7
5550.9
5300.8
4863.2
4159.9
3584.3
3388.9
3230.0
3146.6
2964.3
2753.3
2498.0
2237.6
1982.3
1719.2
1359.7
1013.3
726.7
375.1
148.5
0.0

F REPORT)