

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: P850248

Luminaire Tested: **GLAN-SB7C-930-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850248  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35956 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

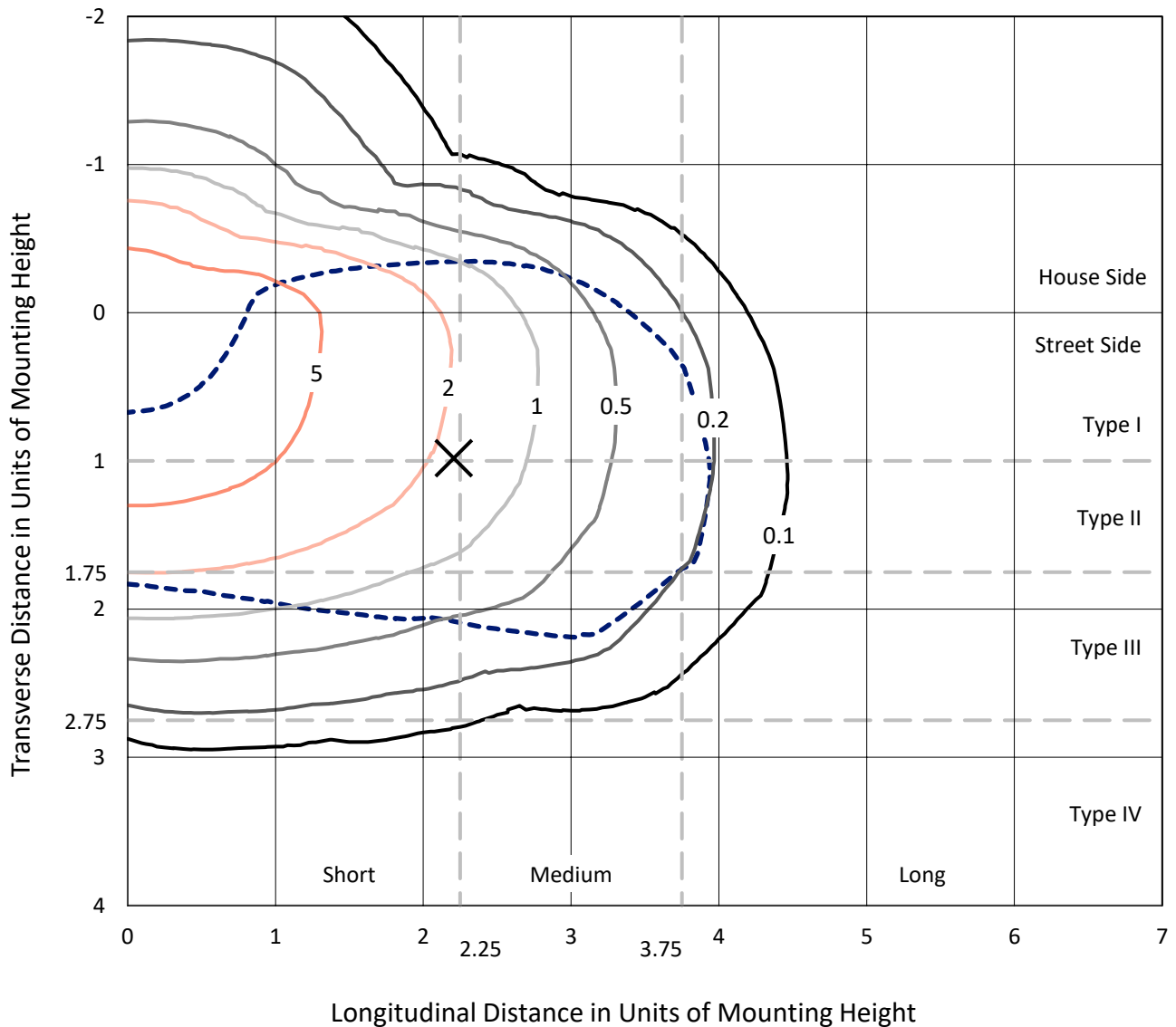
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P850248  
 CATALOG NUMBER: GLAN-SB7C-930-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

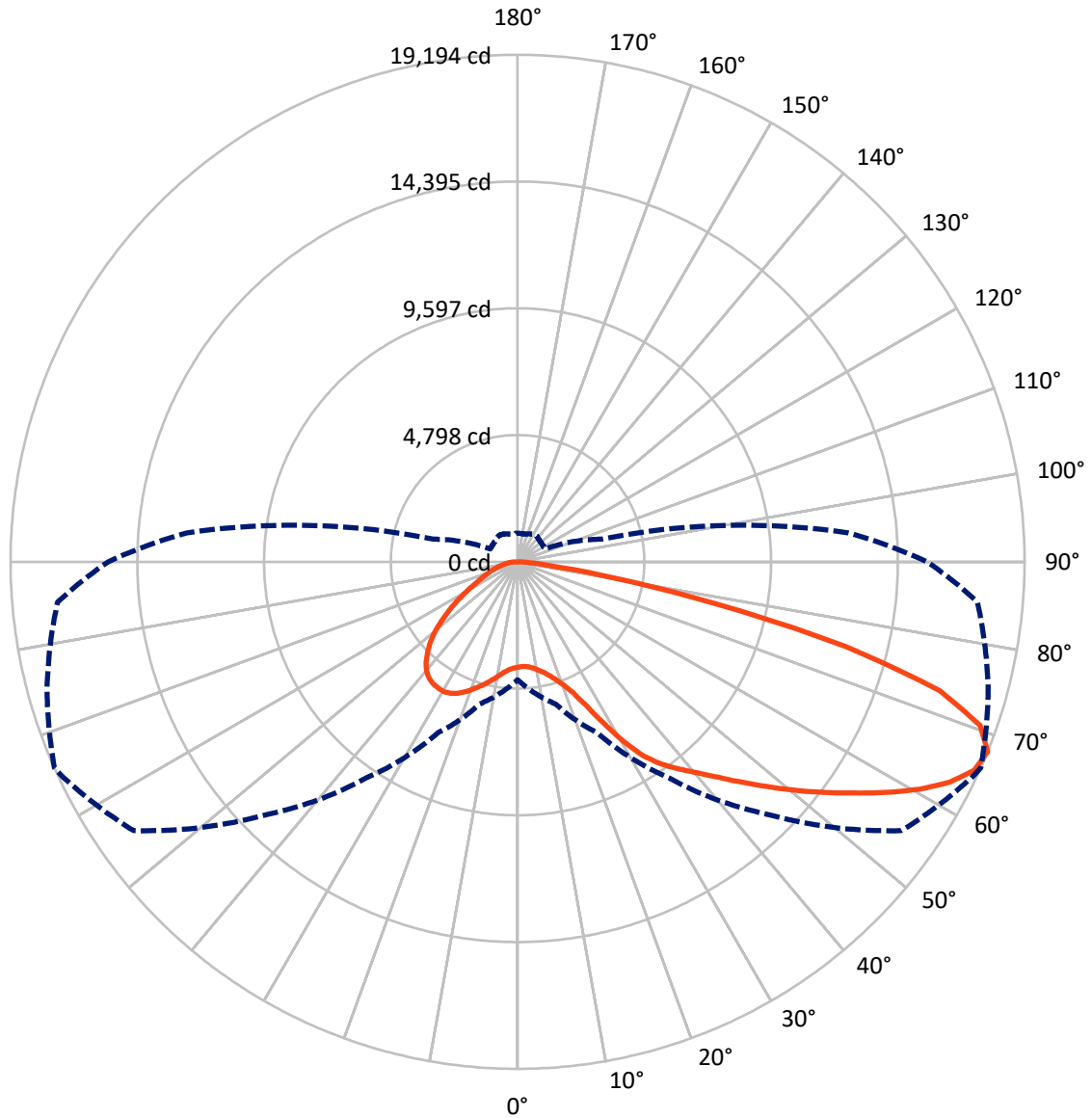
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc  
 Type III - Short - N/A

REPORT NUMBER: P850248  
CATALOG NUMBER: GLAN-SB7C-930-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P850248  
 CATALOG NUMBER: GLAN-SB7C-930-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8940.4	0.0	8940.4
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	27015.6	0.0	27015.6
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	35956.0	0.0	35956.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	395.4	1.1
10°-20°	1306.3	3.6
20°-30°	2517.9	7.0
30°-40°	4414.8	12.3
40°-50°	6563.3	18.3
50°-60°	8319.6	23.1
60°-70°	8140.6	22.6
70°-80°	3883.1	10.8
80°-90°	415.0	1.2
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°	35956.0	100.0
0°-180°	35956.0	100.0

**Coefficient of Utilization**

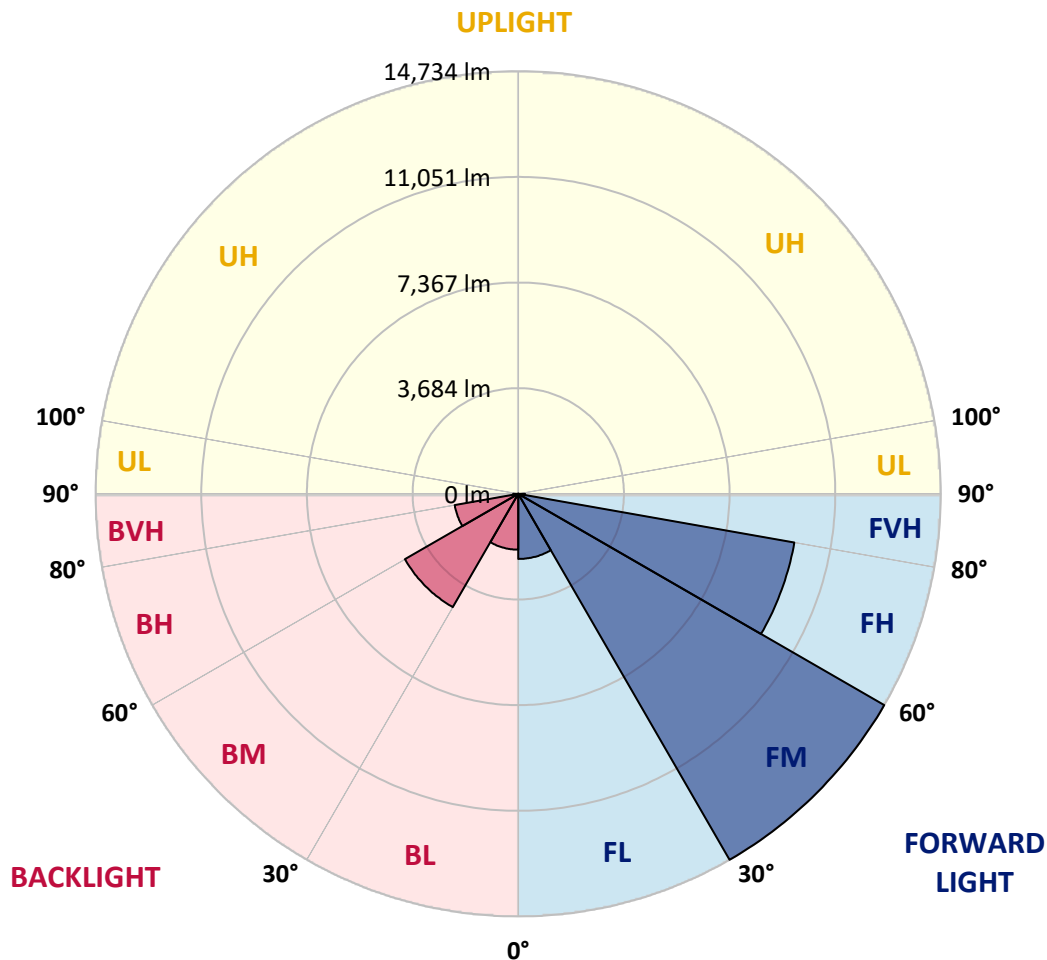


REPORT NUMBER: P850248  
 CATALOG NUMBER: GLAN-SB7C-930-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2272.1	6.3			
FM (30°-60°)	14734.5	41.0			
FH (60°-80°)	9773.8	27.2			G4/12000
FVH (80°-90°)	235.3	0.7			G3/500
BL (0°-30°)	1947.5	5.4	B3/2500		
BM (30°-60°)	4563.3	12.7	B3/5000		
BH (60°-80°)	2249.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	179.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Short



REPORT NUMBER: P850248  
 CATALOG NUMBER: GLAN-SB7C-930-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3988.0	3988.0	3988.0	3988.0	3988.0	3988.0	3988.0	3988.0	3988.0	3988.0
2.5°	3946.4	3969.1	3963.4	3954.0	3952.1	3955.9	3961.5	3967.2	3965.3	3974.8
5°	3935.1	3957.8	3955.9	3955.9	3963.4	3978.5	3988.0	3997.4	3988.0	3999.3
7.5°	3942.7	3959.7	3967.2	3974.8	3993.7	4022.0	4044.7	4065.5	4054.1	4067.3
10°	4039.0	4052.2	4059.8	4059.8	4073.0	4105.1	4127.8	4165.6	4156.1	4176.9
12.5°	4214.7	4227.9	4227.9	4220.4	4229.8	4250.6	4258.1	4299.7	4282.7	4316.7
15°	4430.1	4456.5	4435.7	4422.5	4426.3	4447.1	4445.2	4477.3	4460.3	4488.6
17.5°	4668.1	4702.1	4668.1	4666.2	4658.6	4681.3	4683.2	4711.5	4681.3	4702.1
20°	4949.6	4996.8	4968.5	4977.9	4960.9	4970.4	4979.8	5021.4	4974.1	4989.2
22.5°	5346.3	5403.0	5372.7	5408.6	5397.3	5389.7	5387.9	5461.5	5387.9	5393.5
25°	5924.4	5992.4	5939.5	5988.6	5988.6	6013.2	6041.5	6136.0	6013.2	5977.3
27.5°	6778.3	6846.3	6742.4	6772.6	6763.2	6823.6	6793.4	7027.6	6895.4	6836.8
30°	7806.0	7926.9	7730.4	7722.8	7713.4	7809.7	7853.2	8008.1	7874.0	7815.4
32.5°	8916.8	9043.4	8809.1	8741.1	8705.2	8763.8	8727.9	8852.6	8760.0	8669.3
35°	10091.8	10216.5	9993.6	9861.4	9717.8	9595.0	9466.5	9498.6	9411.7	9273.8
37.5°	11202.7	11431.2	11195.1	11053.4	10788.9	10549.0	10190.1	10040.8	9959.6	9833.0
40°	12334.3	12464.6	12285.1	12164.2	11877.1	11501.1	10926.8	10611.4	10501.8	10379.0
42.5°	13167.4	13292.1	13195.7	13112.6	12887.8	12451.4	11709.0	11314.1	11155.4	11017.5
45°	13828.6	13921.1	13860.7	13890.9	13794.6	13371.4	12519.4	12067.9	11903.5	11735.4
47.5°	14094.9	14193.2	14289.5	14469.0	14633.4	14321.6	13390.3	12884.0	12710.2	12538.3
50°	14064.7	14164.8	14444.4	14826.0	15336.1	15232.2	14308.4	13753.0	13592.4	13396.0
52.5°	13822.9	13936.3	14295.2	14930.0	15742.3	15914.2	15243.6	14650.4	14499.2	14265.0
55°	13188.2	13256.2	13794.6	14693.8	15838.6	16390.3	16159.8	15606.3	15455.1	15128.3
57.5°	12011.2	12109.5	12893.4	14057.2	15596.8	16713.3	16964.6	16611.3	16465.8	15995.4
60°	10475.3	10632.1	11529.5	12987.9	14981.0	16711.4	17695.7	17599.3	17478.4	16849.3
62.5°	8737.3	8918.7	9782.0	11476.6	13904.1	16237.2	18152.8	18426.8	18364.4	17637.1
65°	6710.3	6834.9	7694.5	9521.3	12228.5	15219.0	18205.7	18991.6	19003.0	18236.0
67.5°	4467.8	4826.8	5573.0	7144.8	9984.2	13554.7	17741.0	19084.2	19193.8	18441.9
70°	2180.1	2652.4	3383.5	4643.5	7144.8	11002.4	16526.3	18324.8	18568.5	17841.1
72.5°	904.9	1057.9	1456.5	2291.5	4101.3	7424.4	14085.5	16265.6	16717.1	15808.4
75°	610.2	661.2	833.1	1175.1	1868.4	3661.2	10158.0	12128.3	12855.7	11939.4
77.5°	470.4	502.5	606.4	821.8	1110.8	1384.7	5437.0	7309.1	7685.1	7114.5
80°	370.3	394.8	453.4	598.9	787.8	740.5	1853.3	3311.7	3528.9	2960.3
82.5°	321.2	330.6	324.9	406.2	523.3	432.6	608.3	1222.3	1348.9	978.6
85°	232.4	258.8	270.1	251.3	277.7	219.1	249.4	432.6	476.1	425.1
87.5°	94.5	139.8	171.9	162.5	102.0	62.3	77.5	126.6	145.5	158.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850248  
 CATALOG NUMBER: GLAN-SB7C-930-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3988.0	0°	3988.0	3988.0	3988.0	3988.0	3988.0	3988.0	3988.0	3988.0	3988.0	3988.0
3989.9	2.5°	3991.8	4005.0	4014.4	4025.8	4033.3	4044.7	4067.3	4080.6	4082.5	4091.9
4020.1	5°	4027.7	4046.6	4067.3	4097.6	4131.6	4159.9	4203.4	4233.6	4244.9	4254.4
4093.8	7.5°	4105.1	4131.6	4169.4	4222.3	4271.4	4309.2	4362.0	4397.9	4433.8	4447.1
4210.9	10°	4220.4	4258.1	4312.9	4384.7	4437.6	4486.7	4541.5	4571.7	4607.6	4622.7
4350.7	12.5°	4363.9	4403.6	4475.4	4575.5	4624.6	4658.6	4677.5	4670.0	4677.5	4690.8
4518.8	15°	4528.3	4571.7	4653.0	4760.7	4794.7	4764.4	4722.9	4685.1	4679.4	4683.2
4722.9	17.5°	4722.9	4755.0	4849.4	4940.1	4915.6	4790.9	4700.2	4639.8	4609.5	4600.1
4983.6	20°	4994.9	4994.9	5072.4	5129.0	4964.7	4753.1	4611.4	4513.2	4450.8	4424.4
5338.7	22.5°	5325.5	5295.3	5344.4	5304.7	4955.2	4647.3	4450.8	4280.8	4186.4	4148.6
5835.6	25°	5744.9	5709.0	5695.8	5450.2	4887.2	4479.2	4159.9	3954.0	3870.9	3850.1
6551.6	27.5°	6377.8	6287.1	6115.2	5529.5	4762.5	4214.7	3819.9	3629.1	3581.8	3583.7
7471.6	30°	7220.3	7039.0	6617.7	5542.8	4558.5	3840.6	3472.3	3336.2	3313.6	3323.0
8244.3	32.5°	8000.6	7828.6	7131.5	5482.3	4244.9	3474.1	3160.5	3069.9	3035.9	3047.2
8833.7	35°	8612.6	8565.4	7607.6	5397.3	3859.5	3130.3	2881.0	2803.5	2737.4	2722.3
9389.1	37.5°	9190.7	9171.8	7964.7	5278.3	3477.9	2886.6	2656.1	2554.1	2457.8	2404.9
10003.0	40°	9825.5	9806.6	8198.9	5095.0	3139.8	2675.0	2454.0	2319.9	2200.9	2104.5
10698.3	42.5°	10539.6	10428.1	8310.4	4832.4	2852.6	2495.6	2289.6	2108.3	1951.5	1862.7
11484.1	45°	11319.8	11068.5	8308.5	4498.1	2610.8	2331.2	2114.0	1857.0	1711.6	1628.4
12290.8	47.5°	12147.2	11680.6	8206.5	4127.8	2376.6	2149.9	1841.9	1645.4	1549.1	1498.1
13167.4	50°	13001.1	12253.0	8032.7	3702.7	2136.6	1943.9	1671.9	1537.8	1464.1	1416.9
14036.4	52.5°	13804.0	12772.5	7823.0	3221.0	1892.9	1743.7	1596.3	1492.4	1415.0	1362.1
14878.9	55°	14550.2	13220.3	7526.4	2727.9	1694.6	1609.6	1560.4	1473.5	1384.7	1322.4
15734.7	57.5°	15213.3	13511.2	7014.4	2265.1	1552.9	1517.0	1522.7	1441.4	1339.4	1286.5
16577.3	60°	15765.0	13724.7	6256.9	1836.3	1437.6	1426.3	1464.1	1381.0	1262.0	1201.5
17289.5	62.5°	16095.6	13720.9	5327.4	1503.8	1339.4	1343.2	1386.6	1305.4	1184.5	1127.8
17661.7	65°	16067.2	13384.6	4307.3	1286.5	1244.9	1248.7	1305.4	1222.3	1120.3	1086.3
17474.6	67.5°	15498.6	12564.7	3304.1	1144.8	1141.0	1158.0	1224.2	1165.6	1080.6	1076.8
16360.0	70°	13958.9	10862.6	2380.3	1031.5	1033.4	1057.9	1144.8	1129.7	1059.8	1067.4
13754.9	72.5°	11193.2	8282.0	1598.2	912.5	914.3	954.0	1069.3	1101.4	1039.0	1139.2
9759.3	75°	7454.6	5164.9	1027.7	785.9	787.8	838.8	1003.1	1046.6	982.4	1135.4
5078.0	77.5°	3581.8	2321.8	744.3	661.2	661.2	708.4	867.1	937.0	836.9	882.2
1632.2	80°	1237.4	872.8	585.6	532.7	521.4	553.5	731.1	812.3	721.7	665.0
532.7	82.5°	487.4	453.4	470.4	413.7	375.9	396.7	568.6	670.6	530.9	479.8
300.4	85°	279.6	294.7	332.5	273.9	217.3	243.7	417.5	481.7	400.5	353.3
98.2	87.5°	75.6	103.9	153.0	141.7	98.2	103.9	198.4	266.4	230.5	177.6
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°
3988.0
4090.0
4252.5
4448.9
4630.3
4694.5
4696.4
4613.3
4418.7
4142.9
3853.9
3589.4
3355.1
3062.3
2733.6
2406.8
2114.0
1868.4
1624.7
1486.8
1399.9
1339.4
1297.8
1252.5
1175.1
1110.8
1084.4
1082.5
1065.5
1154.3
1144.8
808.6
623.4
478.0
360.8
183.2
0.0

F REPORT)