

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: P851043

Luminaire Tested: **GLAN-SB8D-830-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851043  
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-SB8D-830-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 70036 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5

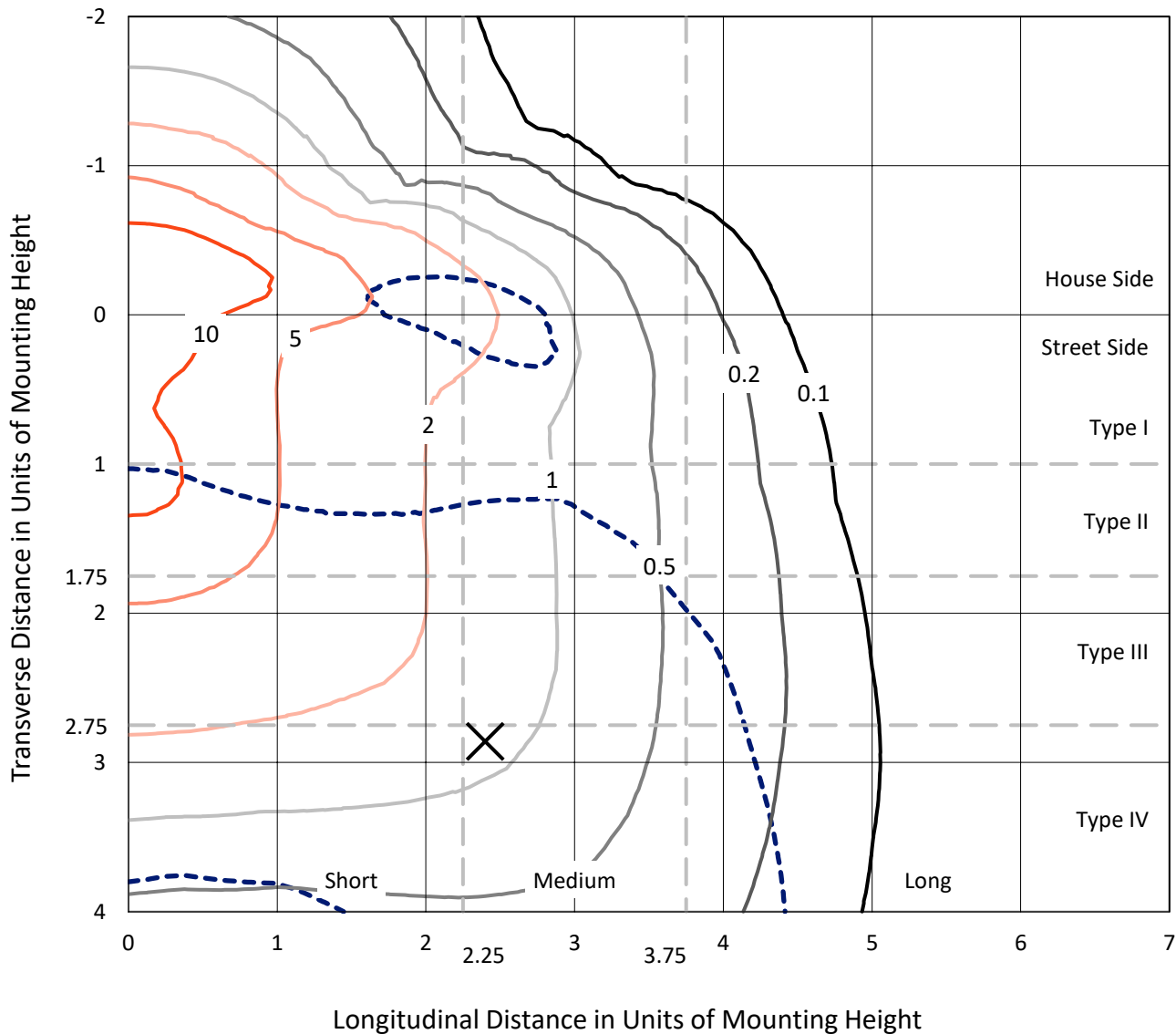
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P851043  
 CATALOG NUMBER: GLAN-SB8D-830-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

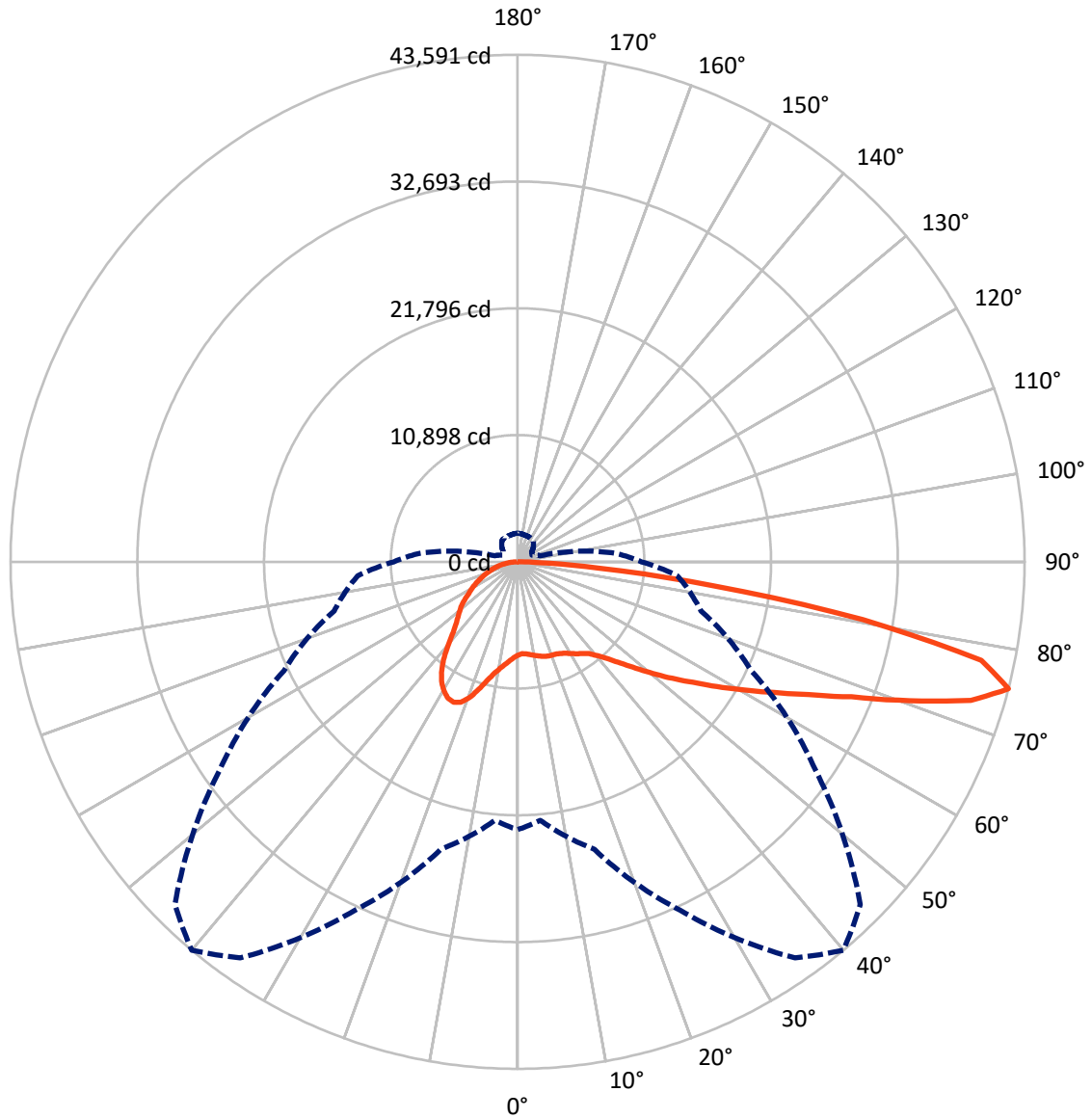
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P851043  
CATALOG NUMBER: GLAN-SB8D-830-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P851043  
 CATALOG NUMBER: GLAN-SB8D-830-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	21699.5	0.0	21699.5
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	48336.5	0.0	48336.5
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	70036.0	0.0	70036.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	799.4	1.1
10°-20°	2684.0	3.8
20°-30°	4900.8	7.0
30°-40°	6950.7	9.9
40°-50°	9385.5	13.4
50°-60°	12626.1	18.0
60°-70°	16025.4	22.9
70°-80°	14544.0	20.8
80°-90°	2120.1	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°	70036.0	100.0
0°-180°	70036.0	100.0

**Coefficient of Utilization**

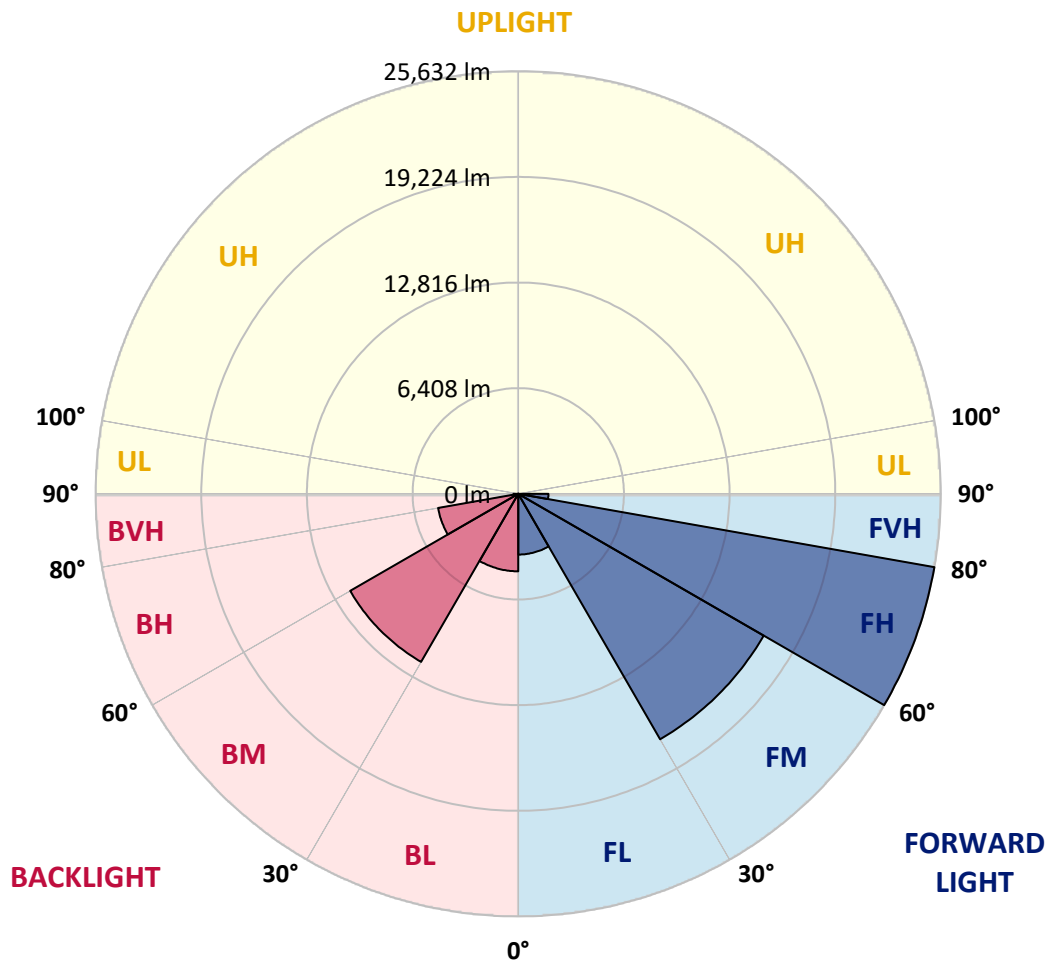


REPORT NUMBER: P851043  
 CATALOG NUMBER: GLAN-SB8D-830-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3684.0	5.3			
FM (30°-60°)	17192.3	24.5			
FH (60°-80°)	25632.1	36.6			G5
FVH (80°-90°)	1828.2	2.6			G5
BL (0°-30°)	4700.3	6.7	B4/5000		
BM (30°-60°)	11770.0	16.8	B5		
BH (60°-80°)	4937.3	7.0	B4/5000		G4/5000
BVH (80°-90°)	291.9	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type IV Medium



REPORT NUMBER: P851043  
 CATALOG NUMBER: GLAN-SB8D-830-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	8008.7	8008.7	8008.7	8008.7	8008.7	8008.7	8008.7	8008.7	8008.7	8008.7
2.5°	7886.1	7930.7	7919.6	7904.7	7904.7	7908.4	7904.7	7930.7	7956.7	7982.7
5°	7967.8	8012.4	7990.1	7971.6	7956.7	7953.0	7941.8	7938.1	7953.0	7986.4
7.5°	8127.6	8172.2	8138.7	8105.3	8075.6	8060.7	8045.9	8023.6	8012.4	8031.0
10°	8305.9	8350.5	8309.6	8250.2	8201.9	8183.3	8168.4	8146.2	8131.3	8142.4
12.5°	8484.2	8528.8	8473.0	8391.3	8328.2	8317.0	8298.4	8291.0	8287.3	8283.6
15°	8651.3	8688.5	8617.9	8521.3	8454.5	8435.9	8417.3	8428.5	8447.0	8469.3
17.5°	8781.3	8818.5	8714.5	8588.2	8525.0	8517.6	8506.5	8543.6	8595.6	8651.3
20°	8900.2	8937.4	8803.6	8632.8	8558.5	8558.5	8562.2	8640.2	8714.5	8796.2
22.5°	9067.4	9097.1	8933.6	8699.6	8591.9	8599.3	8629.1	8707.1	8799.9	8911.4
25°	9316.3	9338.5	9138.0	8825.9	8703.3	8725.6	8751.6	8788.8	8877.9	9007.9
27.5°	9717.4	9736.0	9472.3	9048.8	8863.1	8900.2	8937.4	8911.4	8952.2	9063.7
30°	10282.1	10293.2	9958.9	9398.0	9134.2	9152.8	9160.2	9052.5	8974.5	9063.7
32.5°	10950.7	10947.0	10549.5	9821.4	9442.6	9424.0	9360.8	9149.1	8967.1	9045.1
35°	11987.1	11946.2	11433.6	10415.8	9791.7	9676.6	9528.0	9256.8	9004.2	9026.5
37.5°	13703.2	13576.9	12867.4	11389.0	10311.8	10018.3	9799.2	9431.4	9085.9	9019.1
40°	15638.5	15478.8	14698.7	12722.6	11091.8	10620.1	10267.2	9680.3	9219.7	9052.5
42.5°	17934.2	17707.6	16868.1	14293.8	12079.9	11396.4	10865.2	9996.0	9416.5	9160.2
45°	20753.6	20452.7	19264.0	16065.7	13324.3	12414.2	11704.8	10475.2	9717.4	9368.3
47.5°	23602.7	23677.0	21986.8	18093.9	14817.6	13669.8	12756.0	11195.8	10155.8	9702.6
50°	26630.1	26682.1	24694.8	20341.2	16511.5	15088.8	13937.2	12001.9	10765.0	10178.0
52.5°	28992.6	29000.0	27153.8	22692.6	18275.9	16648.9	15211.3	12923.1	11470.7	10809.5
55°	30471.0	30452.4	28877.4	24917.6	20304.1	18287.0	16622.9	13970.7	12332.5	11552.5
57.5°	31544.5	31488.8	30066.1	26830.7	22466.0	20222.4	18220.2	15159.3	13350.3	12436.5
60°	31953.1	31919.7	30872.2	28483.7	24739.3	22362.0	20062.6	16489.2	14505.6	13480.3
62.5°	32109.1	32172.3	31663.4	30084.7	27172.4	24731.9	22087.1	18079.0	15805.7	14661.6
65°	32658.9	32774.0	32670.0	32179.7	29921.2	27506.7	24772.8	19969.8	17224.7	15928.3
67.5°	33747.3	33862.4	33907.0	34687.1	33279.2	30965.0	28123.4	22324.8	18885.1	17243.2
70°	33721.3	33687.8	34475.3	36681.8	37484.2	35753.2	32640.3	25222.2	20865.0	18335.3
72.5°	30693.9	30426.4	32287.4	36659.5	40983.3	40753.0	38156.5	28959.1	22573.7	18469.1
75°	23026.9	22313.7	25601.1	33037.8	41566.5	43591.0	41663.1	31277.1	22168.8	16318.3
77.5°	9847.4	9130.5	13004.9	24457.0	37201.9	40749.3	38446.3	27287.6	17696.4	10791.0
80°	2577.9	2574.2	3930.1	11088.1	25300.2	30092.1	26399.8	17622.1	10111.2	3855.8
82.5°	1066.1	1040.1	1445.0	4312.7	12362.2	16886.6	13781.2	7860.1	3651.5	1043.8
85°	397.5	393.7	702.1	1489.6	4361.0	6964.9	5040.7	2009.6	910.1	508.9
87.5°	111.4	107.7	152.3	516.3	1062.4	1612.1	861.8	330.6	256.3	200.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851043  
 CATALOG NUMBER: GLAN-SB8D-830-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8008.7	0°	8008.7	8008.7	8008.7	8008.7	8008.7	8008.7	8008.7	8008.7	8008.7	8008.7
8023.6	2.5°	8034.7	8053.3	8086.7	8112.7	8146.2	8183.3	8235.3	8268.7	8302.2	8324.5
8042.1	5°	8068.1	8109.0	8194.4	8279.9	8380.2	8473.0	8580.8	8658.8	8721.9	8740.5
8109.0	7.5°	8142.4	8209.3	8354.2	8499.0	8658.8	8811.1	8967.1	9100.8	9208.5	9249.4
8227.9	10°	8272.4	8361.6	8565.9	8770.2	8981.9	9216.0	9416.5	9609.7	9762.0	9825.2
8369.0	12.5°	8435.9	8547.3	8814.8	9097.1	9390.5	9713.7	9973.7	10211.5	10400.9	10486.4
8565.9	15°	8647.6	8792.5	9134.2	9513.1	9944.0	10393.5	10724.1	10987.8	11199.6	11303.6
8770.2	17.5°	8877.9	9071.1	9502.0	10074.0	10690.7	11281.3	11667.6	11860.8	12079.9	12180.2
8959.7	20°	9100.8	9338.5	9955.2	10787.2	11608.2	12235.9	12548.0	12600.0	12614.8	12626.0
9138.0	22.5°	9331.1	9650.6	10523.5	11686.2	12566.5	13001.2	13045.7	12822.9	12510.8	12366.0
9312.5	25°	9583.7	10007.2	11266.4	12678.0	13391.2	13443.2	13101.4	12559.1	11968.5	11697.3
9453.7	27.5°	9828.9	10419.5	12157.9	13625.2	13985.5	13528.6	12793.1	12024.2	11311.0	11025.0
9554.0	30°	10074.0	10891.3	13142.3	14453.6	14256.7	13316.9	12306.5	11448.4	10731.5	10430.6
9643.1	32.5°	10322.9	11441.0	14275.3	15051.6	14208.4	12867.4	11701.0	10802.1	10170.6	9854.9
9721.1	35°	10605.2	12117.1	15348.8	15378.5	13885.2	12206.2	10902.4	10029.5	9479.7	9227.1
9814.0	37.5°	10973.0	12975.2	16296.0	15460.2	13320.6	11236.7	9910.6	9115.7	8662.5	8547.3
9951.5	40°	11429.9	14007.8	17020.4	15330.2	12484.8	10059.2	8825.9	8190.7	7934.4	7960.4
10137.2	42.5°	12024.2	15163.1	17529.3	14995.9	11322.1	8844.5	7875.0	7592.7	7715.3	7819.3
10415.8	45°	12796.8	16362.9	17845.0	14427.6	10007.2	7815.5	7314.1	7380.9	7473.8	7484.9
10865.2	47.5°	13784.9	17577.6	18053.0	13569.5	8666.2	7091.2	6957.5	6972.3	6953.8	6875.8
11537.6	50°	15018.2	18758.8	18238.8	12432.8	7525.8	6638.0	6459.7	6407.7	6151.4	5898.8
12432.8	52.5°	16422.3	19843.5	18316.8	11021.3	6638.0	6259.1	5969.4	5642.5	5163.3	5085.3
13558.3	55°	17982.5	20846.4	18116.2	9286.5	5891.4	5772.5	5334.2	4940.4	4888.4	4821.6
15040.5	57.5°	19847.2	21927.4	17707.6	7351.2	5126.2	5204.2	4777.0	4821.6	4728.7	4624.7
16946.1	60°	21886.5	23045.5	16990.6	5586.8	4335.0	4494.7	4632.1	4628.4	4602.4	4517.0
18955.7	62.5°	23721.5	23781.0	15579.1	4279.2	3640.3	3944.9	4320.1	4316.4	4294.1	4245.8
21054.4	65°	24813.6	23669.5	13224.0	3369.2	3068.3	3491.7	3896.6	3926.3	3930.1	3926.3
22633.1	67.5°	24620.5	22365.7	9992.3	2682.0	2596.5	3031.1	3476.9	3517.7	3547.5	3554.9
22833.7	70°	22436.3	19501.7	6515.4	2139.6	2176.8	2626.2	3079.4	3120.3	3146.3	3176.0
19813.8	72.5°	17488.4	14338.4	3729.5	1731.0	1809.0	2277.1	2685.7	2734.0	2748.8	2804.5
13788.7	75°	10657.2	8432.2	2013.3	1363.3	1485.8	1946.5	2295.6	2351.4	2377.4	2444.2
6771.7	77.5°	5066.7	3651.5	1147.8	1062.4	1196.1	1589.9	1939.0	2002.2	1931.6	1968.7
1868.5	80°	1712.4	1355.8	724.3	809.8	913.8	1240.7	1552.7	1615.9	1467.3	1459.8
620.3	82.5°	598.1	549.8	460.6	538.6	590.6	887.8	1173.8	1255.5	1092.1	1088.4
278.6	85°	234.0	222.9	256.3	293.5	352.9	546.0	772.6	813.5	672.3	542.3
81.7	87.5°	48.3	52.0	63.1	66.9	107.7	189.4	278.6	341.7	271.2	230.3
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°
8008.7
8309.6
8747.9
9253.1
9828.9
10486.4
11296.1
12176.5
12655.7
12406.8
11738.2
11058.4
10464.1
9895.7
9282.8
8629.1
8049.6
7915.8
7559.2
6935.2
5932.2
5111.3
4832.7
4606.1
4487.3
4227.2
3926.3
3562.3
3190.9
2826.8
2451.6
1939.0
1445.0
1036.4
534.9
211.7
0.0

F REPORT)