

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: P852778

Luminaire Tested: **GLAN-SB6B-830-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852778  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6B-830-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22200 lumens  
Efficiency: N/A  
Efficacy: 100.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

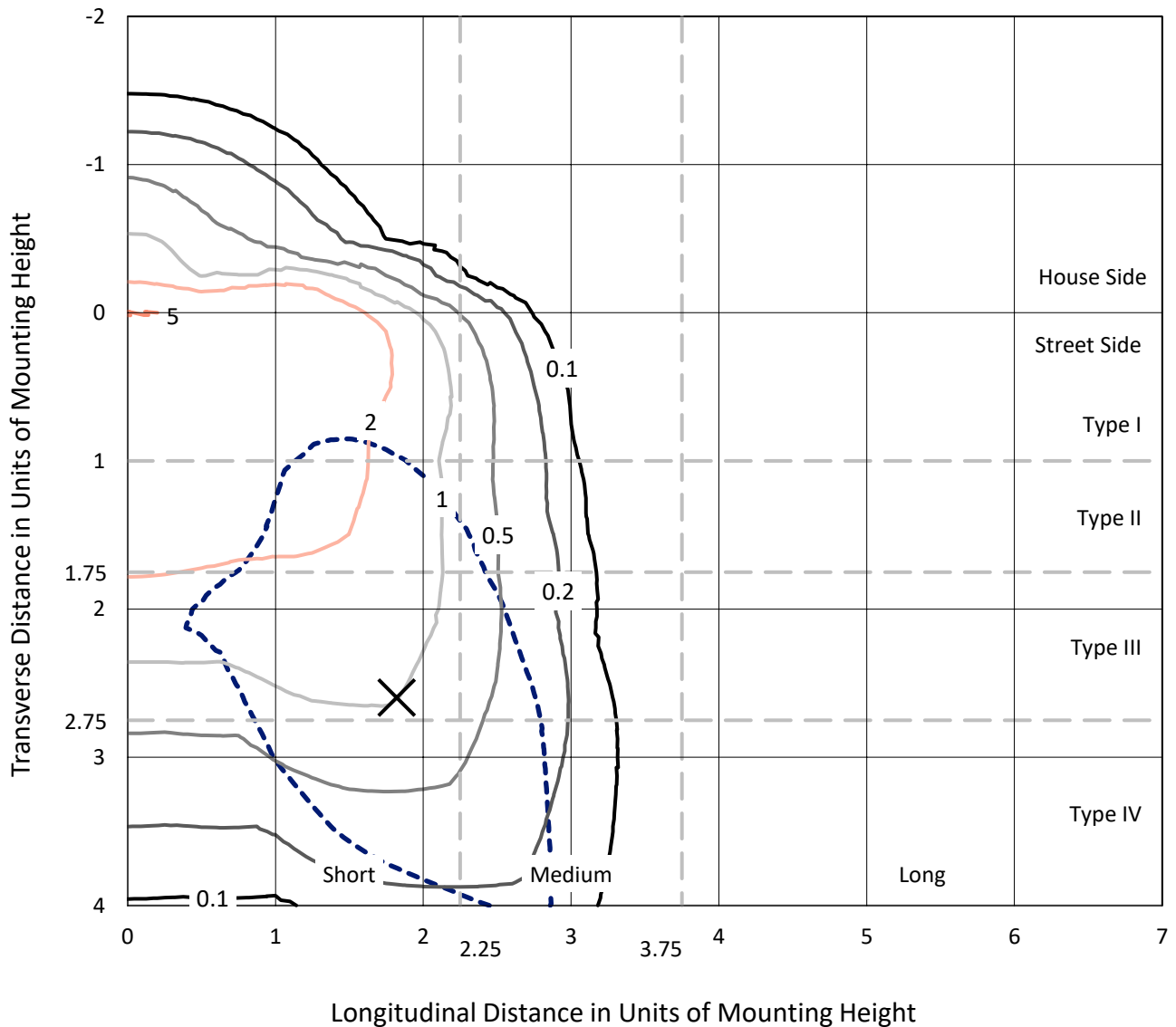
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P852778  
 CATALOG NUMBER: GLAN-SB6B-830-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

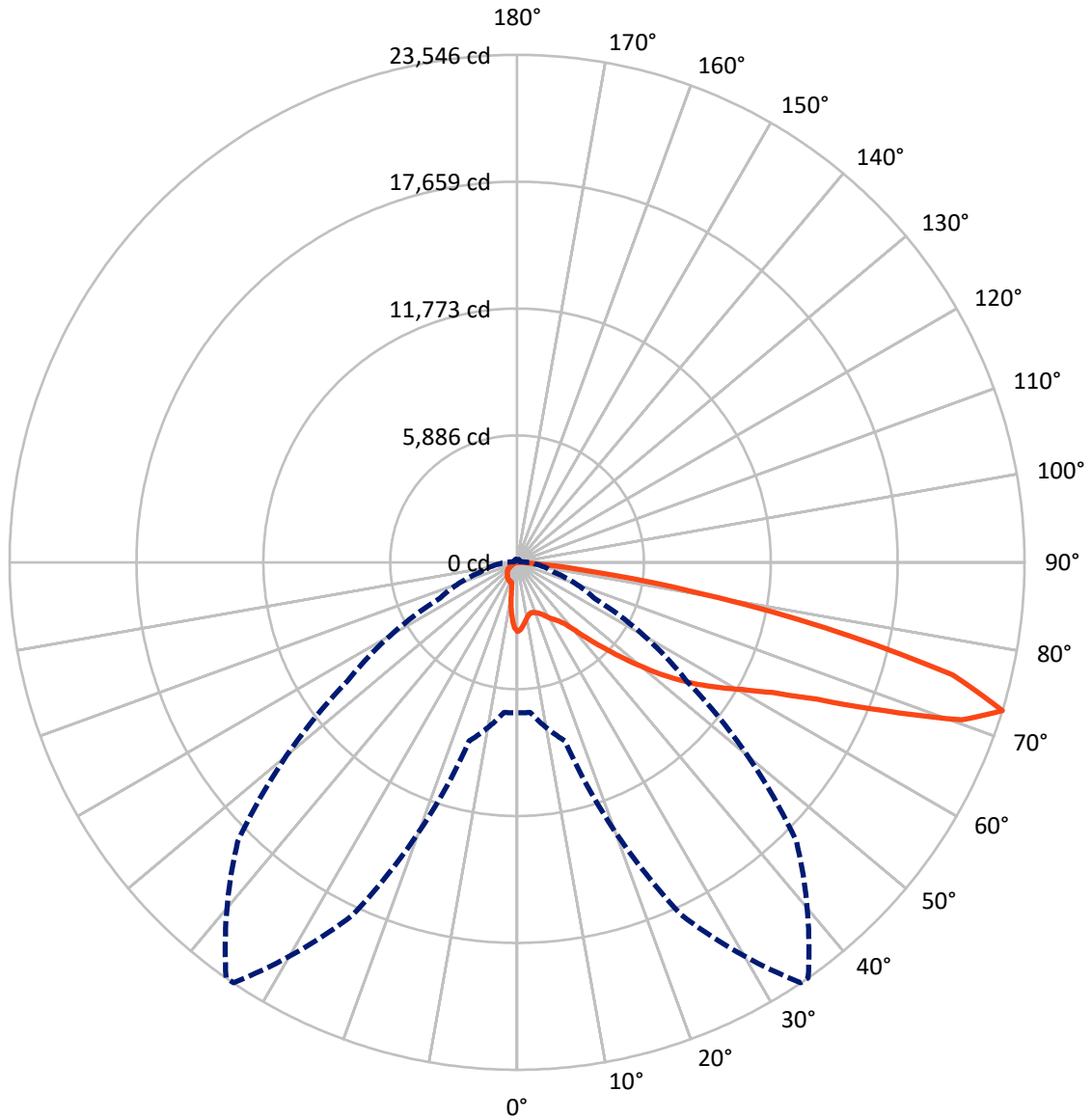
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P852778  
CATALOG NUMBER: GLAN-SB6B-830-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P852778  
 CATALOG NUMBER: GLAN-SB6B-830-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2498.5	0.0	2498.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	19701.5	0.0	19701.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	22200.0	0.0	22200.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.4	1.2
10°-20°	618.5	2.8
20°-30°	1004.8	4.5
30°-40°	1676.4	7.6
40°-50°	3171.9	14.3
50°-60°	5040.1	22.7
60°-70°	6235.0	28.1
70°-80°	3875.7	17.5
80°-90°	313.2	1.4
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°	22200.0	100.0
0°-180°	22200.0	100.0

**Coefficient of Utilization**

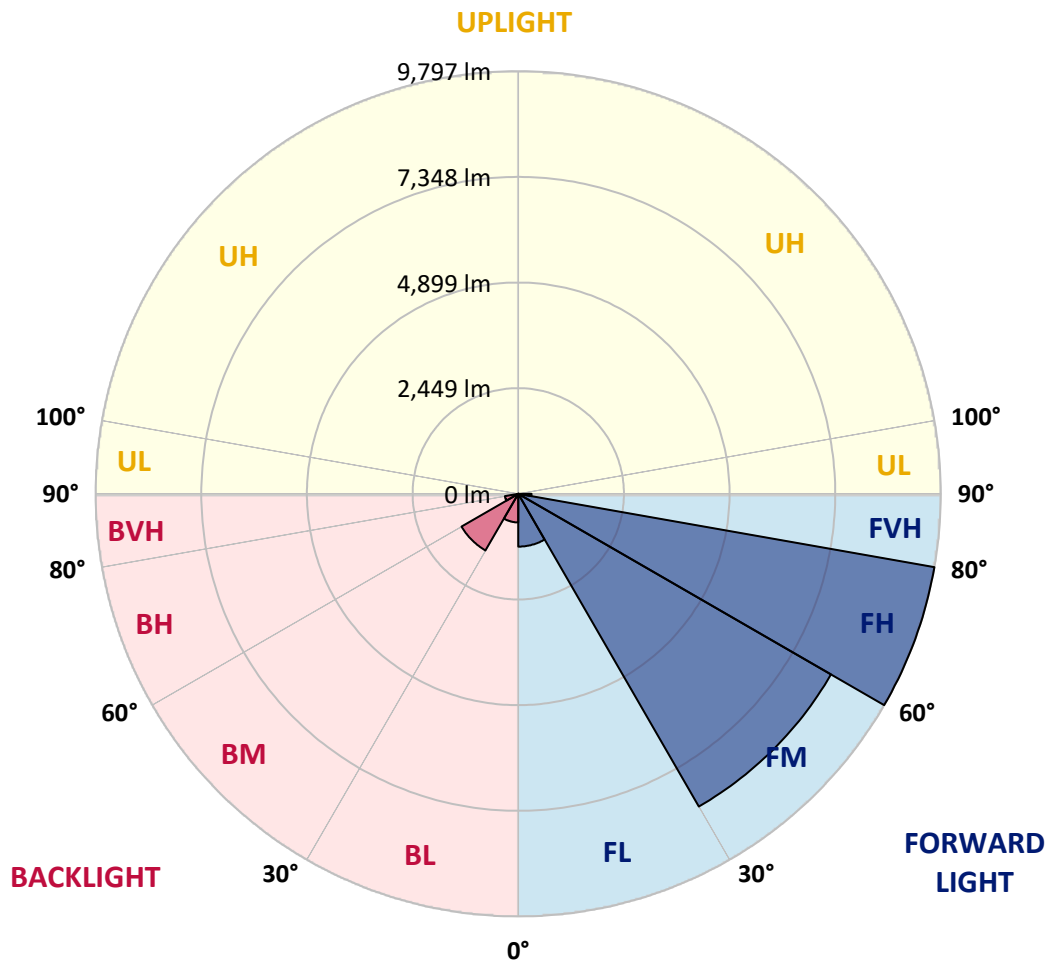


REPORT NUMBER: P852778  
 CATALOG NUMBER: GLAN-SB6B-830-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1223.8	5.5			
FM (30°-60°)	8371.6	37.7			
FH (60°-80°)	9797.1	44.1			G4/12000
FVH (80°-90°)	309.0	1.4			G3/500
BL (0°-30°)	663.9	3.0	B2/1000		
BM (30°-60°)	1516.8	6.8	B2/2500		
BH (60°-80°)	313.5	1.4	B1/500		G1/500
BVH (80°-90°)	4.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**  
 Type IV Short



REPORT NUMBER: P852778  
 CATALOG NUMBER: GLAN-SB6B-830-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3217.5	3217.5	3217.5	3217.5	3217.5	3217.5	3217.5	3217.5	3217.5	3217.5
2.5°	3074.4	3100.4	3105.3	3113.4	3113.4	3123.2	3139.4	3162.2	3199.6	3219.2
5°	2833.6	2853.2	2877.6	2897.1	2934.5	2939.4	3002.8	3064.6	3150.8	3215.9
7.5°	2591.3	2614.0	2646.6	2693.7	2742.5	2757.2	2853.2	2957.3	3093.9	3215.9
10°	2420.5	2422.1	2451.4	2498.5	2576.6	2594.5	2711.6	2859.7	3030.5	3196.4
12.5°	2324.5	2335.9	2348.9	2384.7	2459.5	2470.9	2596.1	2770.2	2967.0	3185.0
15°	2324.5	2332.6	2340.8	2358.7	2418.8	2428.6	2539.2	2713.3	2934.5	3189.9
17.5°	2348.9	2361.9	2355.4	2376.5	2440.0	2446.5	2544.1	2697.0	2932.9	3220.8
20°	2407.4	2417.2	2404.2	2417.2	2480.6	2493.7	2594.5	2727.9	2960.5	3274.5
22.5°	2500.2	2505.0	2474.1	2483.9	2549.0	2565.2	2682.4	2815.7	3027.2	3360.7
25°	2617.3	2627.0	2579.9	2591.3	2653.1	2672.6	2807.6	2947.5	3132.9	3479.4
27.5°	2752.3	2757.2	2716.5	2714.9	2794.6	2822.2	2958.9	3110.2	3274.5	3629.1
30°	2906.8	2921.5	2882.4	2875.9	2976.8	2999.6	3134.6	3310.2	3482.7	3853.5
32.5°	3028.8	3040.2	3017.4	3033.7	3136.2	3154.1	3347.7	3593.3	3809.6	4172.4
35°	3204.5	3211.0	3159.0	3188.2	3305.4	3350.9	3638.8	3990.2	4221.2	4572.5
37.5°	3840.5	3840.5	3619.3	3474.5	3586.8	3627.4	4037.4	4489.6	4728.7	5109.3
40°	4720.6	4705.9	4382.2	4086.2	4071.5	4151.2	4605.1	5119.1	5384.2	5753.5
42.5°	5659.1	5636.4	5195.5	4902.7	4853.9	4881.6	5260.6	5895.0	6165.0	6539.2
45°	6492.0	6485.5	6082.1	5688.4	5600.6	5688.4	6078.8	6802.7	6996.2	7389.9
47.5°	7189.8	7189.8	6895.4	6638.4	6592.8	6644.9	7186.6	7809.6	7791.7	8295.9
50°	7993.4	7986.9	7707.1	7596.5	7643.7	7716.9	8461.9	8870.2	8614.8	9185.7
52.5°	8556.2	8595.2	8499.3	8481.4	8722.1	8849.0	9756.7	9908.0	9351.6	10030.0
55°	9001.9	9047.5	9158.1	9283.3	9746.9	9912.8	11010.8	10892.1	9968.1	10762.0
57.5°	9633.1	9568.0	9738.8	9986.0	10735.9	10936.0	12225.9	11820.9	10464.3	11355.7
60°	10399.2	10409.0	10438.2	10750.6	11723.3	11980.3	13423.2	12699.3	10783.1	11720.1
62.5°	11319.9	11334.5	11394.7	11874.6	13049.0	13291.4	14698.5	13418.3	10929.5	11617.6
65°	11256.5	11318.3	11990.1	13631.4	15064.5	15303.6	16186.8	13922.5	10708.3	10680.6
67.5°	10254.4	10355.3	11479.3	15729.8	18103.0	18369.8	17985.9	14021.8	9753.4	8305.7
70°	8940.1	8975.9	10327.6	17616.7	21621.5	21891.5	19596.3	12930.3	7401.3	4632.7
72.5°	6981.6	6989.7	8575.7	18054.2	23531.2	23545.8	18332.4	9598.9	3980.4	1779.6
75°	4987.3	4938.5	5743.7	14641.5	20702.4	20868.4	13743.6	4502.6	1520.9	841.0
77.5°	2674.2	2727.9	3250.1	8683.1	14301.6	14584.6	7498.9	1298.1	774.3	572.6
80°	826.3	871.9	1332.2	3975.5	8100.7	8271.5	2780.0	577.5	540.0	408.3
82.5°	260.3	270.0	621.4	1670.6	3362.3	3440.4	805.2	327.0	369.3	270.0
85°	74.8	76.5	276.5	623.0	831.2	847.5	226.1	126.9	211.5	167.5
87.5°	8.1	26.0	104.1	104.1	73.2	71.6	24.4	27.7	60.2	21.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852778  
 CATALOG NUMBER: GLAN-SB6B-830-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3217.5	0°	3217.5	3217.5	3217.5	3217.5	3217.5	3217.5	3217.5	3217.5	3217.5	3217.5
3232.2	2.5°	3224.0	3225.7	3204.5	3168.7	3129.7	3097.2	3056.5	3024.0	3001.2	2994.7
3261.4	5°	3246.8	3235.4	3175.2	3066.2	2936.1	2823.9	2698.6	2599.4	2534.3	2506.7
3292.4	7.5°	3281.0	3248.4	3116.7	2902.0	2653.1	2431.8	2207.4	2033.3	1922.7	1867.4
3321.6	10°	3310.2	3245.2	3019.1	2664.5	2283.8	1948.7	1646.2	1436.3	1319.2	1263.9
3355.8	12.5°	3337.9	3243.6	2892.2	2383.1	1867.4	1457.5	1176.1	1072.0	1039.4	1028.0
3411.1	15°	3389.9	3248.4	2732.8	2061.0	1452.6	1101.2	998.8	997.1	1003.6	1000.4
3495.7	17.5°	3461.5	3253.3	2552.2	1719.4	1120.8	971.1	966.2	980.9	990.6	985.8
3601.4	20°	3554.2	3272.8	2360.3	1381.0	963.0	938.6	950.0	963.0	971.1	963.0
3742.9	22.5°	3684.4	3307.0	2150.4	1109.4	912.6	919.1	928.8	943.5	951.6	940.2
3923.5	25°	3843.8	3360.7	1943.9	964.6	888.2	896.3	910.9	927.2	937.0	925.6
4151.2	27.5°	4050.4	3446.9	1753.5	932.1	863.8	868.6	889.8	914.2	927.2	912.6
4474.9	30°	4349.7	3588.4	1589.2	946.7	849.1	837.7	867.0	901.2	915.8	902.8
4915.8	32.5°	4746.6	3788.5	1488.4	969.5	842.6	801.9	829.6	873.5	897.9	889.8
5491.6	35°	5267.1	4092.7	1449.3	995.5	837.7	764.5	784.0	831.2	873.5	881.6
6217.1	37.5°	5898.3	4515.6	1460.7	1006.9	823.1	733.6	743.4	784.0	839.4	865.4
7033.7	40°	6615.6	5008.5	1525.8	995.5	806.8	707.6	709.2	740.1	788.9	828.0
7912.1	42.5°	7355.7	5584.3	1646.2	953.2	792.2	684.8	679.9	701.1	733.6	761.3
8788.8	45°	8060.1	6176.4	1764.9	894.7	774.3	662.0	650.7	658.8	665.3	676.7
9642.8	47.5°	8675.0	6592.8	1730.8	841.0	749.9	636.0	616.5	613.2	593.7	592.1
10405.7	50°	9099.5	6683.9	1537.2	787.3	714.1	606.7	575.8	556.3	522.2	505.9
10976.7	52.5°	9234.5	6324.4	1255.8	733.6	655.5	567.7	523.8	492.9	450.6	435.9
11305.3	55°	9055.6	5620.1	1003.6	668.6	574.2	515.6	466.9	426.2	392.0	374.1
11341.0	57.5°	8618.0	4723.8	793.8	592.1	488.0	457.1	408.3	367.6	338.3	320.5
10944.1	60°	7892.5	3751.1	627.9	501.0	416.4	393.7	343.2	317.2	291.2	270.0
9919.3	62.5°	6791.3	2677.5	492.9	396.9	348.1	322.1	292.8	273.3	242.4	213.1
8076.3	65°	5299.6	1638.0	380.6	291.2	279.8	266.8	248.9	231.0	193.6	164.3
5268.7	67.5°	3342.8	775.9	271.7	219.6	221.2	214.7	206.6	191.9	164.3	138.3
2360.3	70°	1472.1	375.8	178.9	167.5	164.3	164.3	170.8	165.9	139.9	115.5
819.8	72.5°	501.0	201.7	133.4	126.9	118.7	117.1	143.1	138.3	112.2	89.5
408.3	75°	261.9	135.0	97.6	91.1	71.6	86.2	113.9	107.4	79.7	58.6
270.0	77.5°	170.8	96.0	66.7	58.6	40.7	56.9	84.6	74.8	47.2	29.3
177.3	80°	107.4	63.4	39.0	27.7	19.5	30.9	45.5	32.5	17.9	6.5
104.1	82.5°	56.9	32.5	14.6	9.8	8.1	9.8	11.4	8.1	3.3	0.0
53.7	85°	22.8	11.4	4.9	3.3	1.6	0.0	3.3	1.6	0.0	0.0
9.8	87.5°	8.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3217.5
3006.1
2516.4
1875.5
1265.5
1024.8
998.8
984.1
961.4
938.6
923.9
912.6
901.2
889.8
881.6
871.9
841.0
772.7
683.2
590.5
507.5
434.3
374.1
317.2
265.1
208.2
159.4
135.0
110.6
84.6
53.7
26.0
4.9
0.0
0.0
0.0
0.0

F REPORT)