

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: P848185

Luminaire Tested: **GLAN-SB4C-850-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848185  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-850-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18819 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

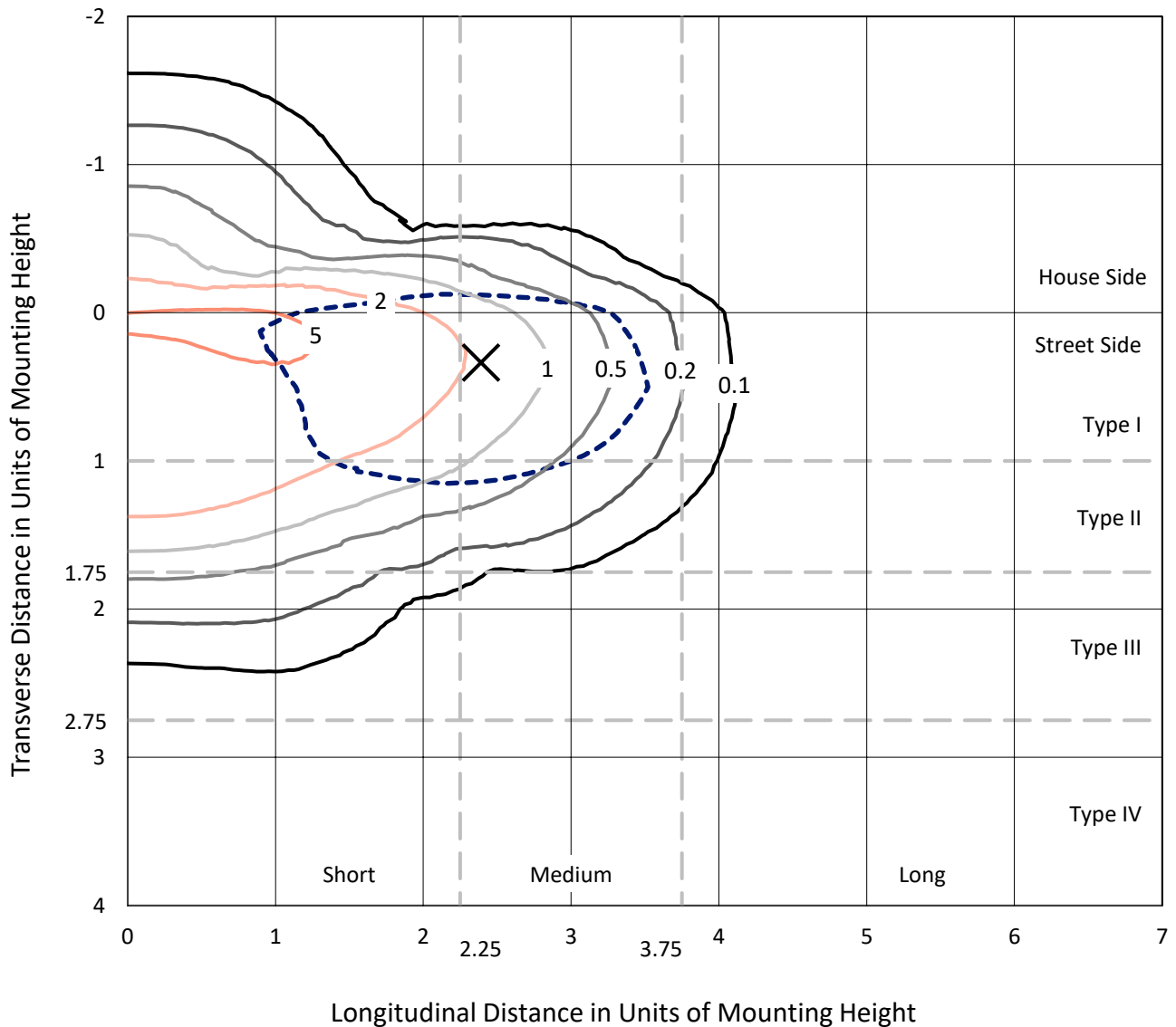
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P848185  
 CATALOG NUMBER: GLAN-SB4C-850-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

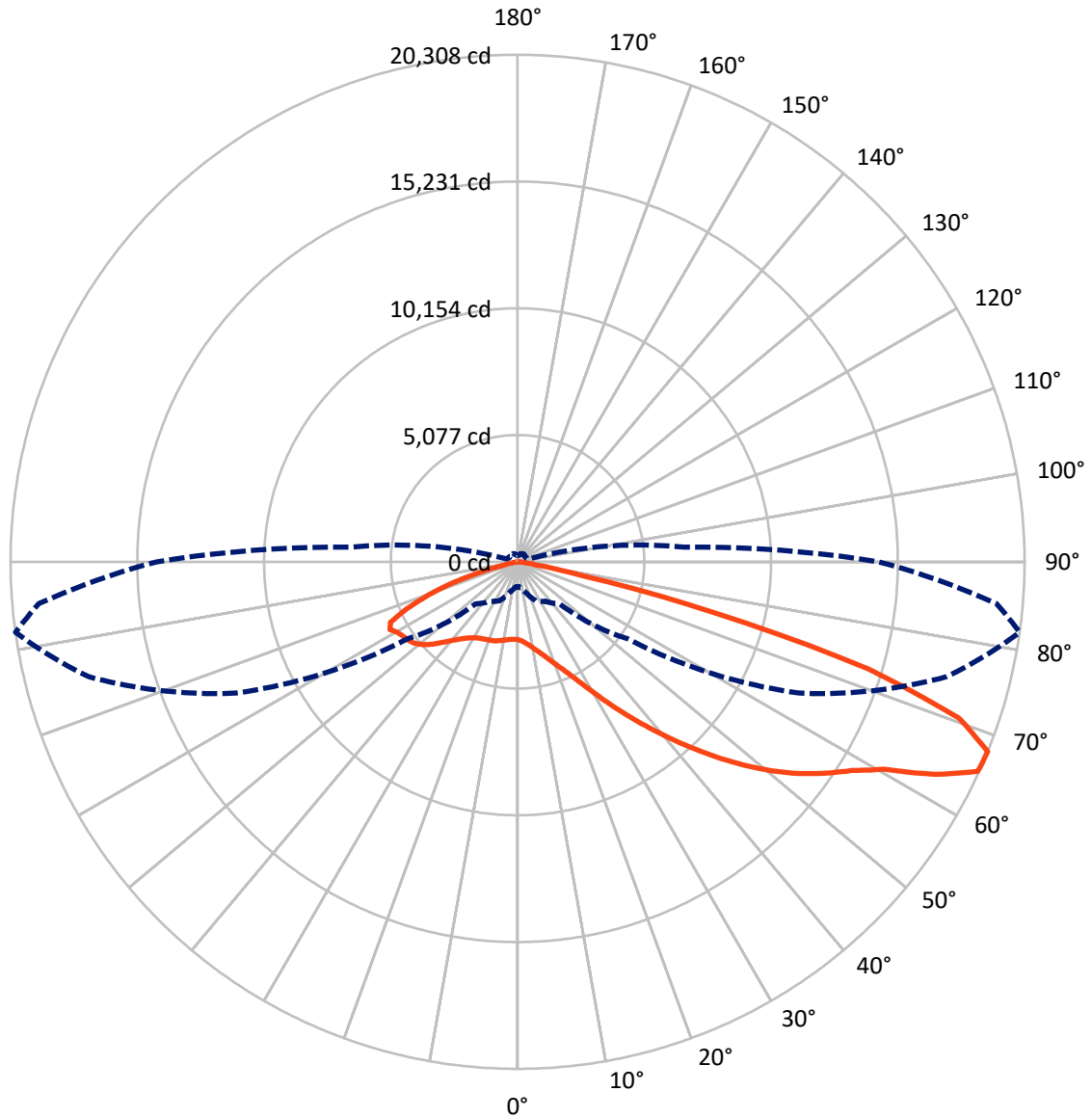
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Medium - N/A

REPORT NUMBER: P848185  
CATALOG NUMBER: GLAN-SB4C-850-U-T2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P848185  
 CATALOG NUMBER: GLAN-SB4C-850-U-T2-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3408.9	0.0	3408.9
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	15410.1	0.0	15410.1
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	18819.0	0.0	18819.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.8	1.5
10°-20°	721.8	3.8
20°-30°	1156.1	6.1
30°-40°	2044.3	10.9
40°-50°	3581.8	19.0
50°-60°	4777.1	25.4
60°-70°	4447.3	23.6
70°-80°	1706.9	9.1
80°-90°	106.0	0.6
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°	18819.0	100.0
0°-180°	18819.0	100.0

**Coefficient of Utilization**

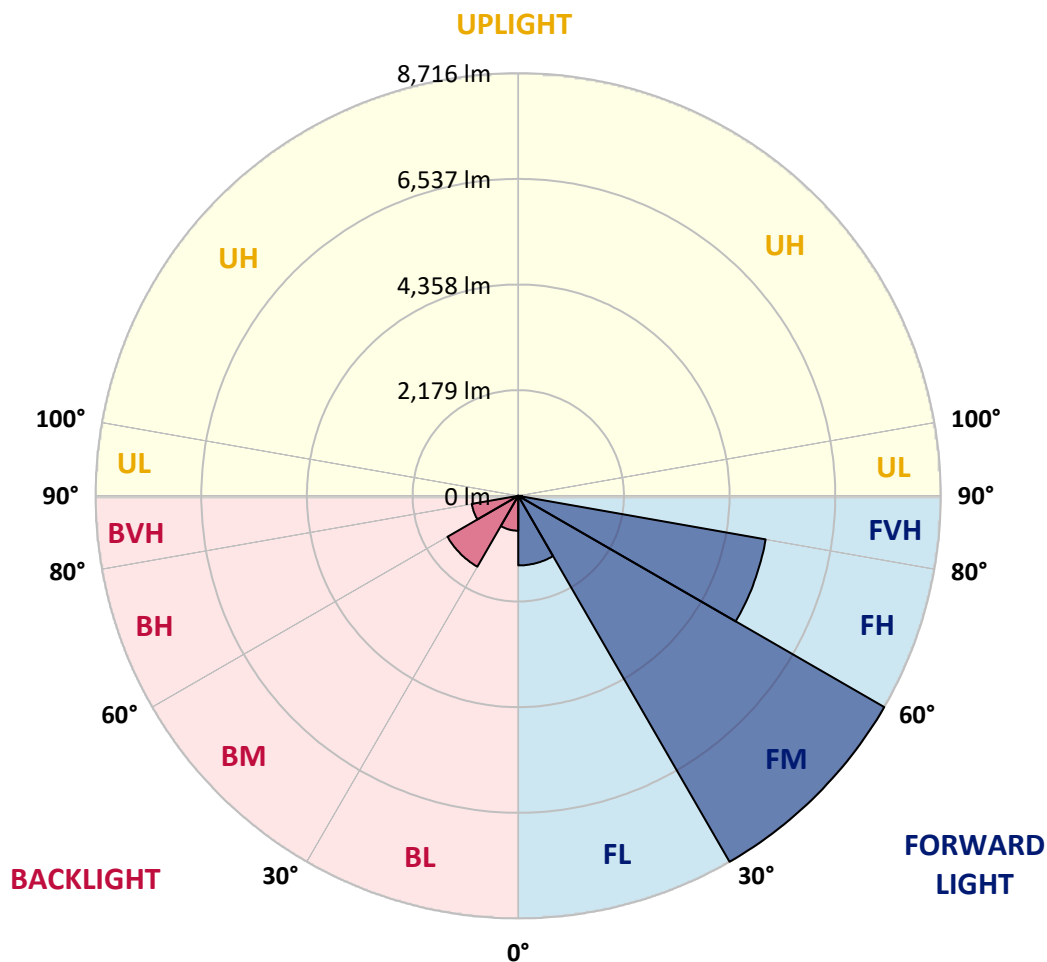


REPORT NUMBER: P848185  
 CATALOG NUMBER: GLAN-SB4C-850-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1435.7	7.6			
FM (30°-60°)	8716.2	46.3			
FH (60°-80°)	5181.2	27.5			G3/7500
FVH (80°-90°)	77.1	0.4			G1/100
BL (0°-30°)	719.9	3.8	B2/1000		
BM (30°-60°)	1687.0	9.0	B2/2500		
BH (60°-80°)	973.0	5.2	B2/1000		G2/1000
BVH (80°-90°)	28.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type II Medium



REPORT NUMBER: P848185  
 CATALOG NUMBER: GLAN-SB4C-850-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3117.7	3117.7	3117.7	3117.7	3117.7	3117.7	3117.7	3117.7	3117.7	3117.7
2.5°	3295.2	3314.1	3303.3	3297.9	3288.4	3274.8	3264.0	3230.1	3194.9	3171.9
5°	3361.6	3380.5	3379.2	3384.6	3391.4	3395.4	3392.7	3354.8	3304.7	3265.4
7.5°	3304.7	3326.3	3343.9	3371.0	3418.5	3468.6	3493.0	3484.9	3433.4	3379.2
10°	3143.4	3166.4	3208.5	3272.1	3372.4	3480.8	3571.6	3613.6	3581.1	3521.4
12.5°	2848.0	2871.1	2953.7	3091.9	3259.9	3448.3	3621.7	3734.2	3742.3	3682.7
15°	2516.1	2539.1	2627.2	2800.6	3056.7	3358.8	3648.8	3861.5	3933.3	3881.8
17.5°	2310.1	2330.5	2396.9	2536.4	2803.3	3180.0	3639.3	3997.0	4161.0	4120.3
20°	2247.8	2265.4	2296.6	2394.1	2616.4	2994.4	3577.0	4124.4	4406.2	4383.2
22.5°	2314.2	2330.5	2339.9	2383.3	2522.9	2872.4	3498.4	4254.4	4690.7	4693.4
25°	2467.3	2483.6	2472.7	2499.8	2560.8	2834.5	3468.6	4407.6	5048.4	5078.2
27.5°	2719.3	2720.7	2694.9	2693.6	2703.1	2891.4	3499.8	4571.5	5499.6	5555.2
30°	3224.7	3204.4	3105.5	2998.4	2949.7	3062.1	3586.5	4765.3	6032.1	6131.0
32.5°	4003.8	3974.0	3792.4	3536.3	3278.9	3337.2	3742.3	4986.1	6612.0	6790.9
35°	4849.3	4841.1	4651.4	4270.7	3820.9	3728.7	3995.7	5276.1	7244.8	7529.3
37.5°	5635.1	5631.0	5522.7	5074.2	4526.8	4274.8	4402.1	5655.4	7922.2	8334.1
40°	6353.2	6365.4	6257.0	5856.0	5304.5	4975.3	4954.9	6124.2	8675.6	9210.7
42.5°	6973.8	6987.3	6877.6	6580.8	6072.8	5750.3	5633.8	6698.7	9411.3	10152.4
45°	7395.2	7479.2	7462.9	7225.8	6861.3	6526.7	6449.4	7419.5	10250.0	11151.0
47.5°	7514.4	7591.6	7713.6	7746.1	7523.9	7194.6	7286.8	8288.0	11098.2	12150.9
50°	7220.4	7292.2	7545.6	7882.9	8037.4	7935.8	8101.1	9218.9	11966.7	13148.1
52.5°	6640.5	6713.6	7033.4	7567.2	8197.3	8517.0	8918.1	10136.2	12808.1	14092.5
55°	5801.8	5879.0	6289.5	6893.8	7892.4	8756.8	9599.6	11052.1	13579.0	14942.1
57.5°	4660.9	4717.8	5144.6	5990.1	7125.5	8518.4	10102.3	12052.0	14305.2	15776.7
60°	3037.7	3087.9	3583.8	4526.8	5854.6	7721.7	10202.5	13167.1	15270.0	16862.0
62.5°	2020.2	2054.1	2348.1	3040.4	4123.0	6192.0	9615.9	14057.3	16684.5	18750.7
65°	1386.1	1420.0	1714.0	2196.3	2663.8	4095.9	7929.0	13939.4	17966.2	20250.6
67.5°	989.1	1017.5	1266.9	1722.1	1928.1	2379.2	5375.0	12432.7	17782.0	20307.5
70°	708.6	724.9	930.8	1341.4	1532.4	1429.4	2989.0	9508.8	15569.4	18752.1
72.5°	495.9	501.3	646.3	1021.6	1234.3	1043.3	1422.7	6339.7	11775.6	14718.5
75°	336.0	342.8	434.9	749.3	990.4	796.7	753.3	3399.5	6912.8	8147.1
77.5°	205.9	208.7	280.5	512.2	741.1	607.0	485.1	1440.3	2674.6	2625.8
80°	116.5	116.5	178.8	318.4	505.4	391.6	340.1	612.4	846.8	743.9
82.5°	65.0	66.4	130.1	197.8	334.7	231.7	187.0	283.2	365.8	323.8
85°	27.1	29.8	79.9	93.5	159.9	115.2	75.9	119.2	135.5	120.6
87.5°	2.7	4.1	24.4	17.6	19.0	23.0	10.8	23.0	19.0	19.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848185  
 CATALOG NUMBER: GLAN-SB4C-850-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3117.7	0°	3117.7	3117.7	3117.7	3117.7	3117.7	3117.7	3117.7	3117.7	3117.7	3117.7
3163.7	2.5°	3138.0	3117.7	3066.2	3006.6	2928.0	2890.0	2838.6	2803.3	2773.5	2776.2
3242.3	5°	3199.0	3147.5	3032.3	2888.7	2709.8	2582.5	2447.0	2353.5	2277.6	2261.4
3350.7	7.5°	3283.0	3201.7	2999.8	2741.0	2438.9	2209.9	2005.3	1873.9	1780.4	1750.6
3482.1	10°	3391.4	3273.5	2957.8	2555.4	2120.5	1829.1	1609.6	1506.7	1443.0	1421.3
3636.6	12.5°	3517.4	3356.1	2902.2	2329.1	1792.6	1512.1	1372.5	1321.0	1300.7	1293.9
3826.3	15°	3675.9	3459.1	2818.2	2060.8	1514.8	1318.3	1258.7	1251.9	1254.7	1251.9
4053.9	17.5°	3864.2	3571.6	2681.4	1784.4	1327.8	1219.4	1197.7	1203.2	1209.9	1208.6
4308.6	20°	4070.2	3682.7	2506.6	1539.2	1200.5	1149.0	1136.8	1142.2	1147.6	1144.9
4602.7	22.5°	4304.6	3801.9	2312.8	1348.1	1115.1	1083.9	1070.4	1071.7	1071.7	1066.3
4975.3	25°	4585.1	3933.3	2109.6	1212.7	1050.1	1025.7	1009.4	1004.0	995.9	979.6
5427.8	27.5°	4919.7	4072.9	1914.5	1117.8	998.6	975.5	956.6	943.0	922.7	895.6
5971.1	30°	5296.4	4242.3	1749.2	1058.2	957.9	934.9	913.2	892.9	863.1	829.2
6595.8	32.5°	5739.4	4423.8	1628.6	1018.9	921.3	897.0	871.2	846.8	814.3	780.4
7297.6	35°	6267.9	4643.3	1558.2	991.8	892.9	860.4	831.9	804.8	780.4	750.6
8060.4	37.5°	6841.0	4876.4	1536.5	978.3	873.9	823.8	791.3	772.3	769.6	752.0
8885.6	40°	7468.3	5152.8	1552.7	970.1	853.6	788.6	753.3	749.3	756.0	724.9
9767.6	42.5°	8132.2	5480.7	1579.8	960.6	825.1	753.3	719.5	719.5	714.0	670.7
10699.8	45°	8850.3	5858.7	1606.9	937.6	791.3	718.1	692.4	682.9	659.8	617.8
11637.4	47.5°	9573.9	6243.5	1627.3	895.6	750.6	688.3	665.3	643.6	609.7	571.8
12557.4	50°	10260.8	6589.0	1605.6	833.3	704.6	659.8	635.5	605.6	569.1	543.3
13428.6	52.5°	10874.6	6888.4	1513.4	760.1	655.8	630.0	608.4	577.2	547.4	520.3
14214.5	55°	11408.4	7130.9	1350.9	691.0	612.4	604.3	582.6	543.3	502.7	479.6
14993.5	57.5°	11920.6	7315.2	1147.6	634.1	573.1	575.8	543.3	508.1	470.2	445.8
16043.6	60°	12602.1	7561.8	941.7	581.3	531.1	539.3	504.0	478.3	430.9	399.7
17844.3	62.5°	13691.5	7945.3	747.9	516.2	482.4	485.1	470.2	439.0	382.1	345.5
19178.9	65°	14555.9	7804.3	589.4	445.8	426.8	430.9	430.9	397.0	336.0	294.0
19250.7	67.5°	14458.4	6682.5	470.2	376.7	374.0	376.7	386.2	357.7	298.1	264.2
17784.7	70°	13318.9	5315.4	376.7	313.0	325.2	318.4	345.5	326.5	268.3	234.4
13787.7	72.5°	10867.8	3829.0	287.2	258.8	249.3	260.1	311.6	294.0	223.6	185.6
7303.0	75°	6350.5	2043.2	214.1	204.6	180.2	216.8	276.4	250.7	170.7	136.8
2238.3	77.5°	2067.6	712.7	157.2	150.4	134.1	174.8	235.8	211.4	139.6	108.4
655.8	80°	554.2	215.4	107.0	98.9	86.7	130.1	187.0	168.0	100.3	70.5
281.8	82.5°	222.2	90.8	62.3	55.6	47.4	89.4	147.7	135.5	74.5	44.7
88.1	85°	71.8	29.8	23.0	17.6	21.7	55.6	88.1	92.1	52.8	23.0
13.5	87.5°	9.5	4.1	4.1	5.4	4.1	9.5	27.1	25.7	14.9	2.7
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°
3117.7
2749.1
2224.8
1720.7
1405.1
1289.9
1250.6
1205.9
1143.6
1063.6
976.9
892.9
826.5
781.8
747.9
750.6
726.2
670.7
616.5
570.4
539.3
517.6
476.9
443.1
395.6
342.8
290.0
258.8
230.3
181.6
132.8
104.3
69.1
44.7
17.6
0.0
0.0

F REPORT)