

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: P850378

Luminaire Tested: **GLAN-SB7D-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850378  
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-SB7D-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 59960 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5

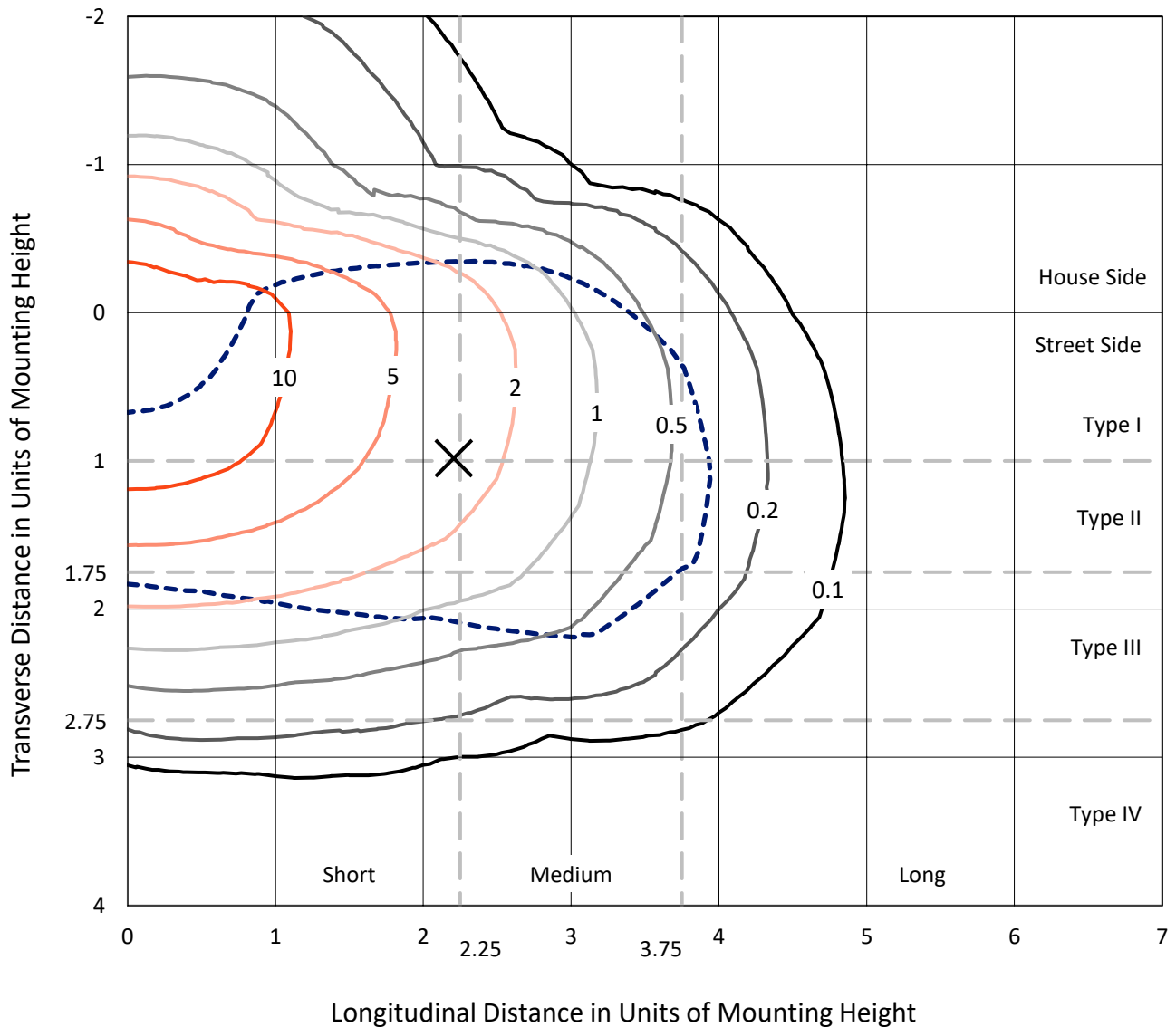
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P850378  
 CATALOG NUMBER: GLAN-SB7D-835-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

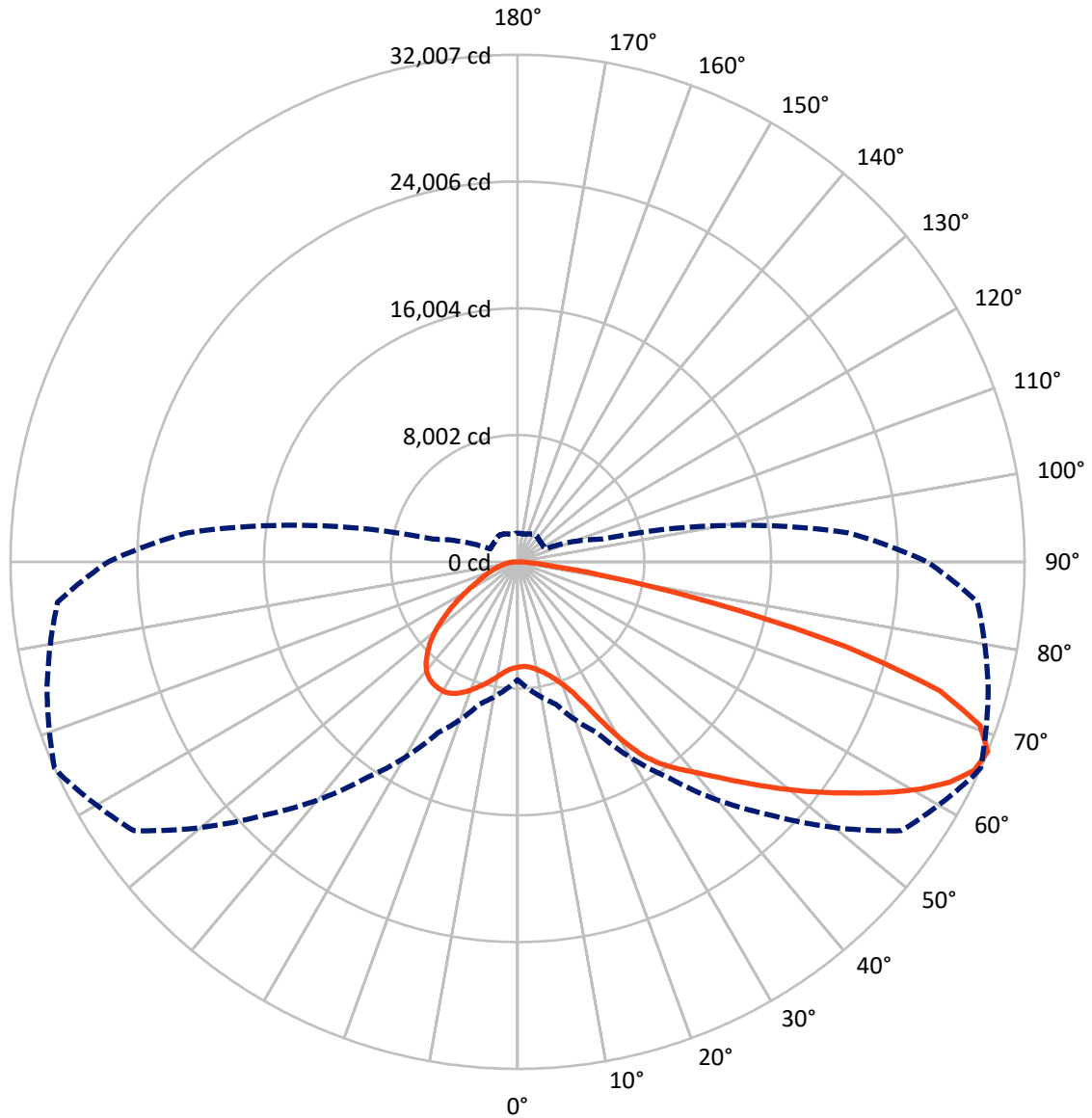
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P850378  
CATALOG NUMBER: GLAN-SB7D-835-U-T3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P850378  
 CATALOG NUMBER: GLAN-SB7D-835-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14908.9	0.0	14908.9
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	45051.1	0.0	45051.1
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	59960.0	0.0	59960.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	659.4	1.1
10°-20°	2178.4	3.6
20°-30°	4198.8	7.0
30°-40°	7362.1	12.3
40°-50°	10944.9	18.3
50°-60°	13873.8	23.1
60°-70°	13575.1	22.6
70°-80°	6475.5	10.8
80°-90°	692.1	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°	59960.0	100.0
0°-180°	59960.0	100.0

**Coefficient of Utilization**

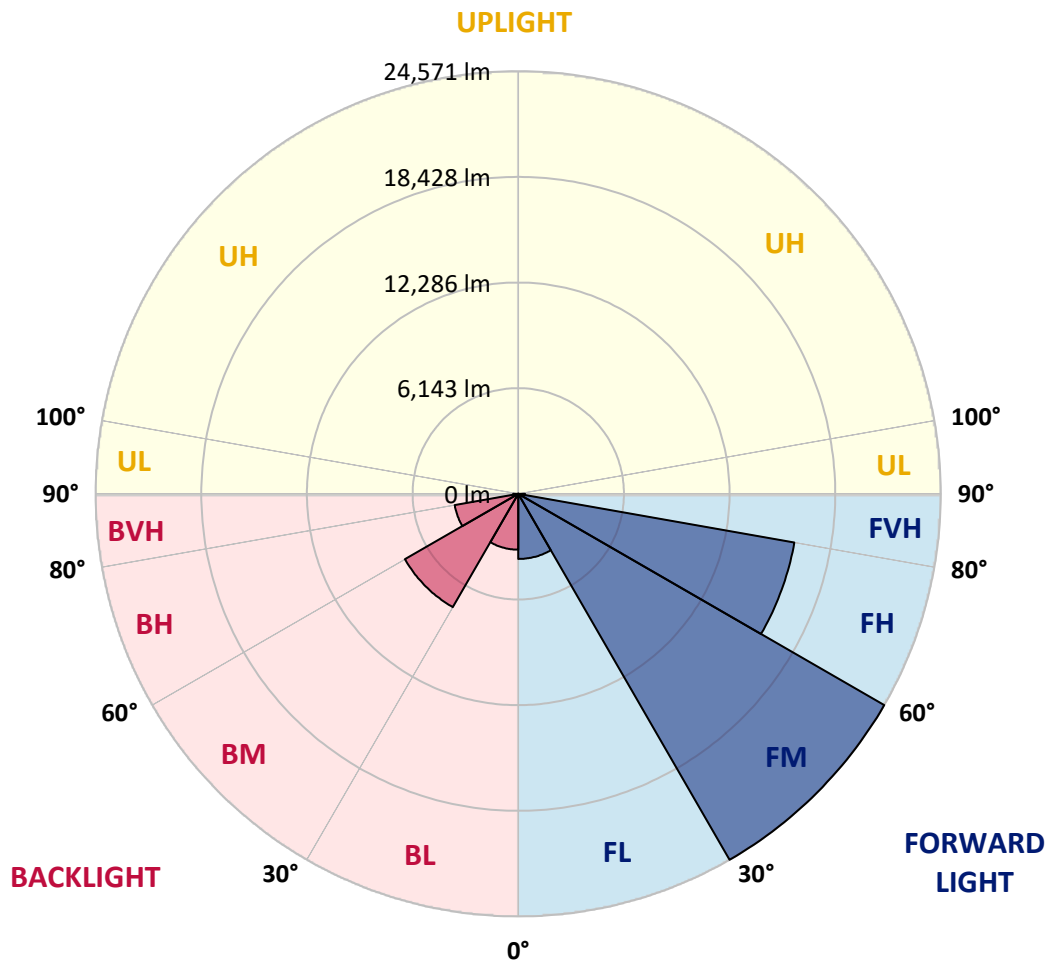


REPORT NUMBER: P850378  
 CATALOG NUMBER: GLAN-SB7D-835-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3788.9	6.3			
FM (30°-60°)	24571.1	41.0			
FH (60°-80°)	16298.8	27.2			G5
FVH (80°-90°)	392.4	0.7			G3/500
BL (0°-30°)	3247.7	5.4	B4/5000		
BM (30°-60°)	7609.7	12.7	B4/8500		
BH (60°-80°)	3751.8	6.3	B4/5000		G4/5000
BVH (80°-90°)	299.7	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type III Short



REPORT NUMBER: P850378  
 CATALOG NUMBER: GLAN-SB7D-835-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6650.4	6650.4	6650.4	6650.4	6650.4	6650.4	6650.4	6650.4	6650.4	6650.4
2.5°	6581.0	6618.9	6609.4	6593.7	6590.5	6596.8	6606.3	6615.7	6612.6	6628.3
5°	6562.1	6600.0	6596.8	6596.8	6609.4	6634.6	6650.4	6666.1	6650.4	6669.3
7.5°	6574.7	6603.1	6615.7	6628.3	6659.8	6707.1	6744.9	6779.5	6760.6	6782.7
10°	6735.4	6757.5	6770.1	6770.1	6792.1	6845.7	6883.5	6946.5	6930.7	6965.4
12.5°	7028.4	7050.4	7050.4	7037.8	7053.6	7088.3	7100.9	7170.2	7141.8	7198.5
15°	7387.5	7431.6	7397.0	7374.9	7381.2	7415.9	7412.7	7466.3	7437.9	7485.2
17.5°	7784.5	7841.2	7784.5	7781.3	7768.7	7806.5	7809.7	7856.9	7806.5	7841.2
20°	8253.9	8332.6	8285.4	8301.1	8272.8	8288.5	8304.3	8373.6	8294.8	8320.0
22.5°	8915.4	9010.0	8959.6	9019.4	9000.5	8987.9	8984.8	9107.6	8984.8	8994.2
25°	9879.4	9992.9	9904.7	9986.6	9986.6	10027.5	10074.8	10232.3	10027.5	9967.7
27.5°	11303.4	11416.8	11243.5	11293.9	11278.2	11379.0	11328.6	11719.2	11498.7	11401.1
30°	13017.2	13218.8	12891.2	12878.6	12862.8	13023.5	13095.9	13354.3	13130.6	13032.9
32.5°	14869.6	15080.7	14690.0	14576.6	14516.7	14614.4	14554.5	14762.5	14608.1	14456.9
35°	16829.1	17037.0	16665.3	16444.7	16205.3	16000.5	15786.3	15839.9	15695.0	15465.0
37.5°	18681.5	19062.7	18668.9	18432.6	17991.6	17591.5	16992.9	16744.0	16608.6	16397.5
40°	20568.5	20785.9	20486.6	20285.0	19806.2	19179.2	18221.5	17695.4	17512.7	17307.9
42.5°	21957.8	22165.8	22005.1	21866.5	21491.6	20763.9	19525.8	18867.4	18602.7	18372.8
45°	23060.4	23214.8	23114.0	23164.4	23003.7	22298.1	20877.3	20124.3	19850.3	19569.9
47.5°	23504.6	23668.5	23829.1	24128.4	24402.5	23882.7	22329.6	21485.3	21195.5	20908.8
50°	23454.2	23621.2	24087.5	24723.8	25574.4	25401.1	23860.6	22934.4	22666.7	22339.0
52.5°	23051.0	23240.0	23838.6	24897.1	26251.7	26538.4	25420.1	24430.8	24178.8	23788.2
55°	21992.5	22105.9	23003.7	24503.3	26412.4	27332.3	26948.0	26024.9	25772.9	25227.9
57.5°	20029.8	20193.6	21501.0	23441.6	26009.2	27871.0	28290.0	27700.9	27458.3	26673.9
60°	17468.6	17730.1	19226.5	21658.6	24982.2	27867.9	29509.2	29348.5	29146.9	28097.8
62.5°	14570.3	14872.7	16312.4	19138.3	23186.5	27077.1	30271.6	30728.4	30624.4	29411.5
65°	11190.0	11397.9	12831.3	15877.7	20392.1	25379.1	30359.8	31670.3	31689.2	30410.2
67.5°	7450.5	8049.1	9293.5	11914.6	16649.5	22603.7	29584.8	31824.7	32007.4	30753.6
70°	3635.5	4423.1	5642.2	7743.5	11914.6	18347.5	27559.1	30558.2	30964.6	29751.8
72.5°	1509.0	1764.2	2428.9	3821.4	6839.4	12380.8	23488.9	27124.4	27877.3	26362.0
75°	1017.6	1102.6	1389.3	1959.5	3115.7	6105.3	16939.3	20225.1	21438.0	19910.1
77.5°	784.4	838.0	1011.3	1370.4	1852.4	2309.2	9066.7	12188.6	12815.6	11864.2
80°	617.5	658.4	756.1	998.7	1313.7	1234.9	3090.5	5522.5	5884.8	4936.6
82.5°	535.6	551.3	541.9	677.3	872.6	721.4	1014.4	2038.3	2249.3	1631.9
85°	387.5	431.6	450.5	419.0	463.1	365.4	415.8	721.4	793.9	708.8
87.5°	157.5	233.1	286.7	270.9	170.1	104.0	129.2	211.1	242.6	264.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850378  
 CATALOG NUMBER: GLAN-SB7D-835-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6650.4	0°	6650.4	6650.4	6650.4	6650.4	6650.4	6650.4	6650.4	6650.4	6650.4	6650.4
6653.5	2.5°	6656.7	6678.7	6694.5	6713.4	6726.0	6744.9	6782.7	6804.7	6807.9	6823.6
6703.9	5°	6716.5	6748.0	6782.7	6833.1	6889.8	6937.0	7009.5	7059.9	7078.8	7094.6
6826.8	7.5°	6845.7	6889.8	6952.8	7041.0	7122.9	7185.9	7274.1	7334.0	7393.8	7415.9
7022.1	10°	7037.8	7100.9	7192.2	7311.9	7400.1	7482.0	7573.4	7623.8	7683.7	7708.9
7255.2	12.5°	7277.3	7343.4	7463.1	7630.1	7712.0	7768.7	7800.2	7787.6	7800.2	7822.3
7535.6	15°	7551.4	7623.8	7759.3	7938.8	7995.5	7945.1	7875.8	7812.8	7803.4	7809.7
7875.8	17.5°	7875.8	7929.4	8086.9	8238.1	8197.2	7989.2	7838.0	7737.2	7686.8	7671.1
8310.6	20°	8329.5	8329.5	8458.6	8553.2	8279.1	7926.2	7690.0	7526.1	7422.2	7378.1
8902.8	22.5°	8880.8	8830.4	8912.3	8846.1	8263.3	7749.8	7422.2	7138.7	6981.1	6918.1
9731.4	25°	9580.2	9520.3	9498.3	9088.7	8149.9	7469.4	6937.0	6593.7	6455.0	6420.4
10925.4	27.5°	10635.5	10484.3	10197.6	9221.0	7942.0	7028.4	6370.0	6051.8	5973.0	5976.2
12459.6	30°	12040.6	11738.1	11035.6	9243.1	7601.8	6404.6	5790.3	5563.5	5525.7	5541.4
13748.1	32.5°	13341.7	13055.0	11892.5	9142.3	7078.8	5793.5	5270.5	5119.3	5062.6	5081.5
14731.0	35°	14362.4	14283.6	12686.4	9000.5	6436.1	5220.1	4804.3	4675.1	4564.8	4539.6
15657.2	37.5°	15326.4	15294.9	13281.8	8802.0	5799.8	4813.7	4429.4	4259.3	4098.6	4010.4
16681.0	40°	16384.9	16353.4	13672.5	8496.5	5235.9	4460.9	4092.3	3868.6	3670.1	3509.5
17840.3	42.5°	17575.7	17389.8	13858.3	8058.6	4757.0	4161.6	3818.2	3515.8	3254.3	3106.2
19150.9	45°	18876.8	18457.8	13855.2	7500.9	4353.8	3887.5	3525.2	3096.8	2854.2	2715.6
20496.1	47.5°	20256.7	19478.5	13685.1	6883.5	3963.1	3585.1	3071.6	2743.9	2583.3	2498.2
21957.8	50°	21680.6	20433.1	13395.2	6174.7	3563.0	3241.7	2788.0	2564.4	2441.5	2362.8
23407.0	52.5°	23019.5	21299.4	13045.5	5371.3	3156.6	2907.8	2662.0	2488.8	2359.6	2271.4
24812.0	55°	24263.9	22046.0	12550.9	4549.1	2825.9	2684.1	2602.2	2457.3	2309.2	2205.2
26239.1	57.5°	25369.6	22531.2	11697.2	3777.3	2589.6	2529.7	2539.2	2403.7	2233.6	2145.4
27644.2	60°	26289.5	22887.2	10433.9	3062.1	2397.4	2378.5	2441.5	2302.9	2104.4	2003.6
28831.9	62.5°	26840.9	22880.9	8883.9	2507.7	2233.6	2239.9	2312.3	2176.9	1975.3	1880.7
29452.5	65°	26793.6	22320.1	7182.8	2145.4	2076.1	2082.4	2176.9	2038.3	1868.1	1811.4
29140.6	67.5°	25845.3	20952.9	5509.9	1909.1	1902.8	1931.2	2041.4	1943.8	1802.0	1795.7
27281.9	70°	23277.8	18114.4	3969.4	1720.1	1723.2	1764.2	1909.1	1883.9	1767.3	1779.9
22937.6	72.5°	18665.7	13811.1	2665.2	1521.6	1524.8	1590.9	1783.1	1836.6	1732.7	1899.7
16274.6	75°	12431.2	8613.0	1713.8	1310.5	1313.7	1398.7	1672.8	1745.3	1638.2	1893.4
8468.1	77.5°	5973.0	3871.8	1241.2	1102.6	1102.6	1181.4	1446.0	1562.6	1395.6	1471.2
2721.9	80°	2063.5	1455.5	976.6	888.4	869.5	923.0	1219.2	1354.6	1203.4	1108.9
888.4	82.5°	812.8	756.1	784.4	689.9	626.9	661.6	948.3	1118.4	885.2	800.2
500.9	85°	466.2	491.5	554.5	456.8	362.3	406.4	696.2	803.3	667.9	589.1
163.8	87.5°	126.0	173.3	255.2	236.3	163.8	173.3	330.8	444.2	384.3	296.1
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°
6650.4
6820.5
7091.4
7419.0
7721.5
7828.6
7831.7
7693.1
7368.6
6908.7
6426.7
5985.6
5595.0
5106.7
4558.5
4013.5
3525.2
3115.7
2709.3
2479.3
2334.4
2233.6
2164.3
2088.7
1959.5
1852.4
1808.3
<i>1805.1</i>
1776.8
1924.9
1909.1
1348.3
1039.6
797.0
601.7
305.6
0.0

F REPORT)