

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: P851088

Luminaire Tested: **GLAN-SB8D-927-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851088  
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-SB8D-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 53026 lumens  
Efficiency: N/A  
Efficacy: 90.7 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

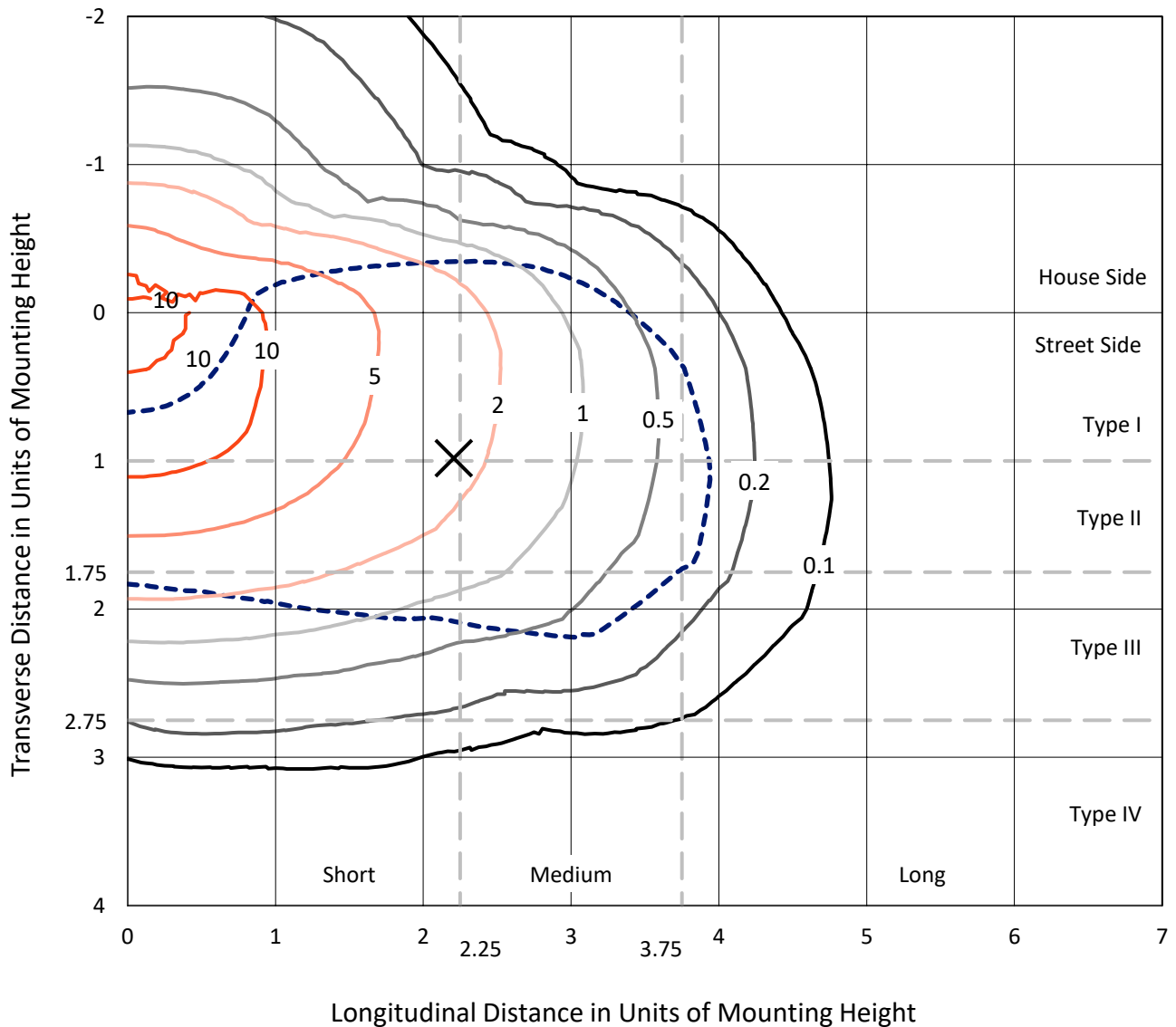
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P851088  
 CATALOG NUMBER: GLAN-SB8D-927-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

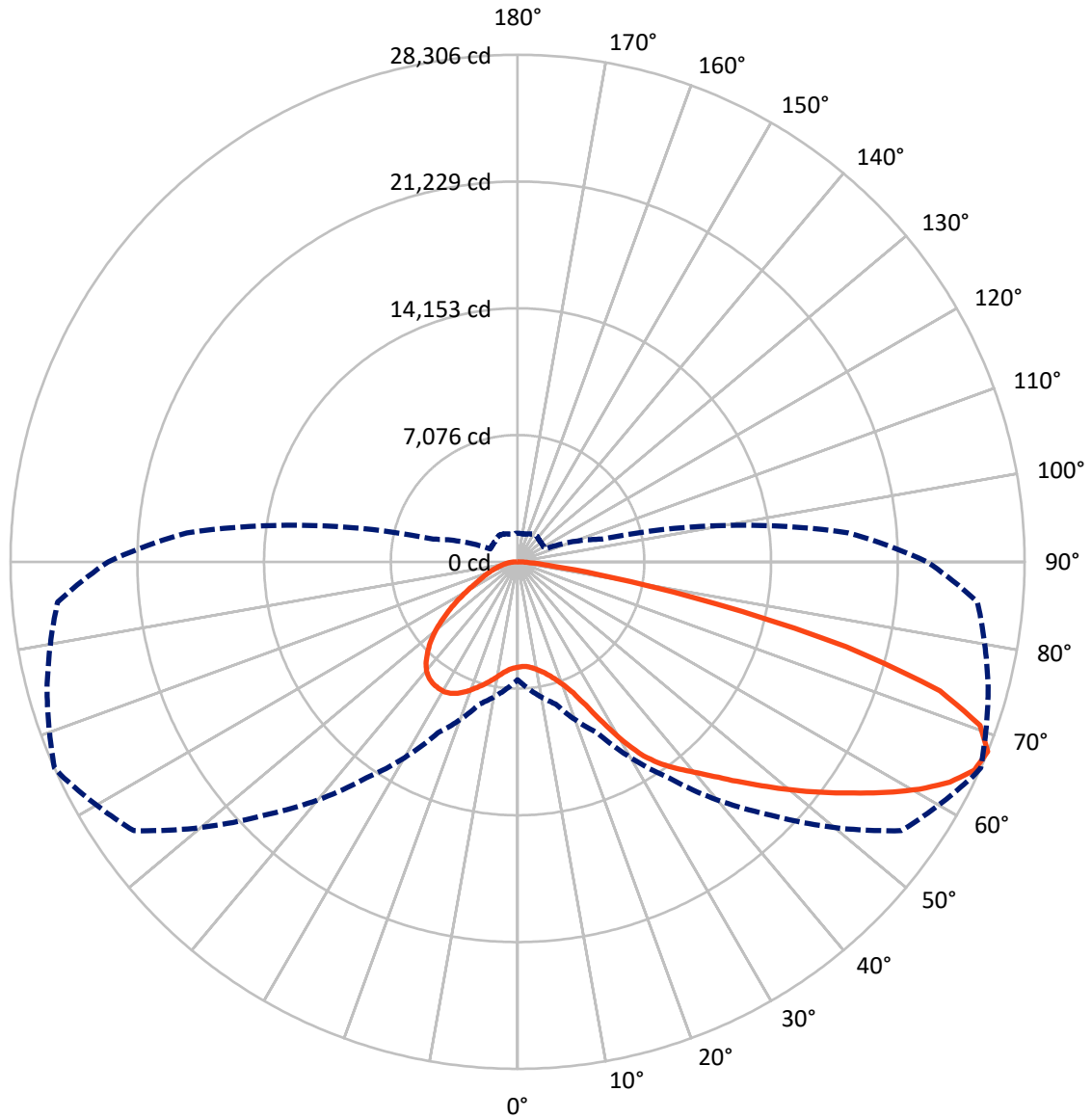
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P851088  
CATALOG NUMBER: GLAN-SB8D-927-U-T3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P851088  
 CATALOG NUMBER: GLAN-SB8D-927-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13184.8	0.0	13184.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	39841.2	0.0	39841.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	53026.0	0.0	53026.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	583.1	1.1
10°-20°	1926.5	3.6
20°-30°	3713.2	7.0
30°-40°	6510.7	12.3
40°-50°	9679.2	18.3
50°-60°	12269.4	23.1
60°-70°	12005.3	22.6
70°-80°	5726.6	10.8
80°-90°	612.0	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°	53026.0	100.0
0°-180°	53026.0	100.0

**Coefficient of Utilization**

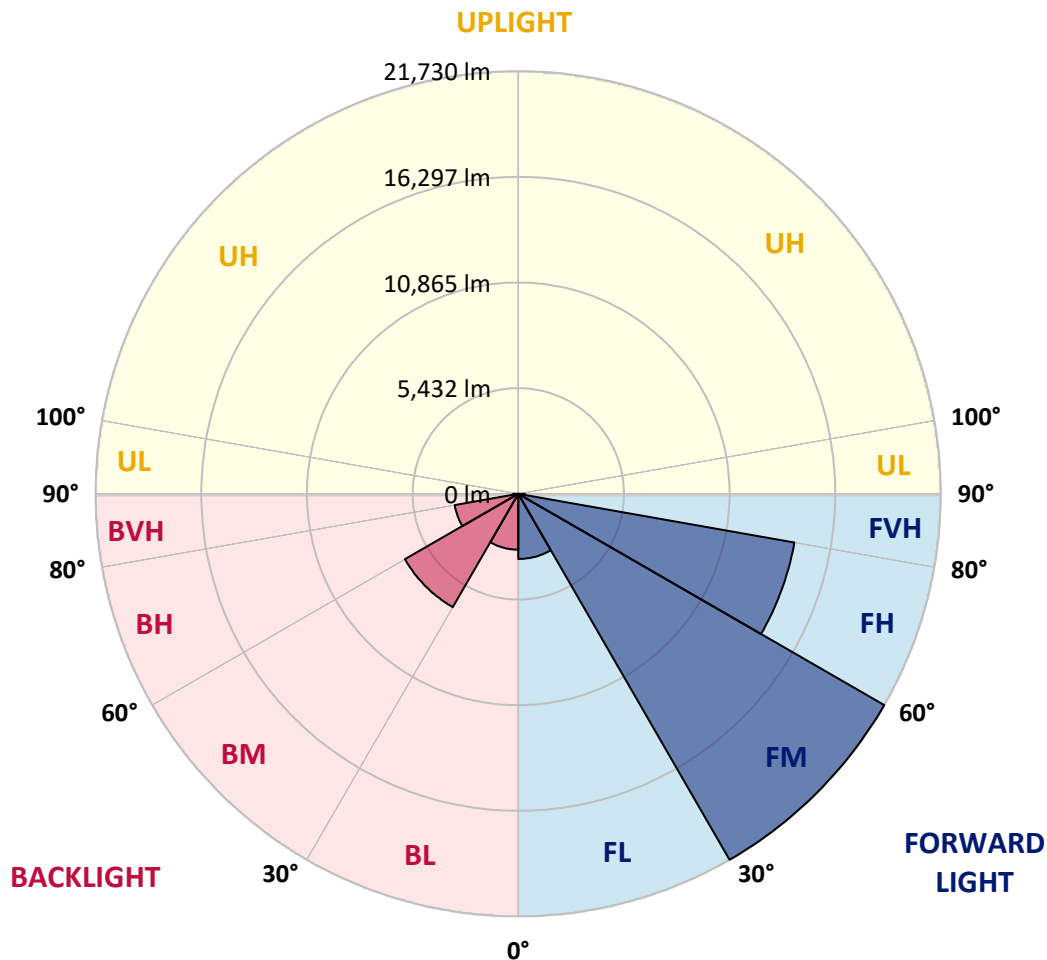


REPORT NUMBER: P851088  
 CATALOG NUMBER: GLAN-SB8D-927-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3350.7	6.3			
FM (30°-60°)	21729.6	41.0			
FH (60°-80°)	14413.9	27.2			G5
FVH (80°-90°)	347.0	0.7			G3/500
BL (0°-30°)	2872.1	5.4	B4/5000		
BM (30°-60°)	6729.7	12.7	B4/8500		
BH (60°-80°)	3318.0	6.3	B4/5000		G4/5000
BVH (80°-90°)	265.0	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: P851088  
 CATALOG NUMBER: GLAN-SB8D-927-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	5881.3	5881.3	5881.3	5881.3	5881.3	5881.3	5881.3	5881.3	5881.3	5881.3
2.5°	5820.0	5853.4	5845.1	5831.1	5828.3	5833.9	5842.3	5850.6	5847.9	5861.8
5°	5803.3	5836.7	5833.9	5833.9	5845.1	5867.4	5881.3	5895.2	5881.3	5898.0
7.5°	5814.4	5839.5	5850.6	5861.8	5889.6	5931.4	5964.9	5995.5	5978.8	5998.3
10°	5956.5	5976.0	5987.2	5987.2	6006.7	6054.0	6087.4	6143.2	6129.2	6159.9
12.5°	6215.6	6235.1	6235.1	6224.0	6237.9	6268.5	6279.7	6341.0	6315.9	6366.1
15°	6533.2	6572.2	6541.6	6522.1	6527.6	6558.3	6555.5	6602.9	6577.8	6619.6
17.5°	6884.3	6934.4	6884.3	6881.5	6870.3	6903.8	6906.5	6948.3	6903.8	6934.4
20°	7299.4	7369.0	7327.2	7341.2	7316.1	7330.0	7343.9	7405.2	7335.6	7357.9
22.5°	7884.4	7968.0	7923.4	7976.4	7959.7	7948.5	7945.7	8054.4	7945.7	7954.1
25°	8737.0	8837.2	8759.2	8831.7	8831.7	8867.9	8909.7	9049.0	8867.9	8815.0
27.5°	9996.2	10096.5	9943.3	9987.9	9973.9	10063.1	10018.5	10364.0	10169.0	10082.6
30°	11511.8	11690.1	11400.4	11389.2	11375.3	11517.4	11581.5	11809.9	11612.1	11525.8
32.5°	13150.0	13336.7	12991.2	12890.9	12838.0	12924.3	12871.4	13055.3	12918.8	12785.0
35°	14882.9	15066.8	14738.0	14543.0	14331.3	14150.2	13960.7	14008.1	13879.9	13676.6
37.5°	16521.1	16858.2	16509.9	16301.0	15910.9	15557.1	15027.8	14807.7	14687.9	14501.2
40°	18189.9	18382.1	18117.5	17939.2	17515.7	16961.3	16114.3	15649.1	15487.5	15306.4
42.5°	19418.5	19602.4	19460.3	19337.8	19006.2	18362.6	17267.7	16685.5	16451.4	16248.1
45°	20393.7	20530.2	20441.0	20485.6	20343.5	19719.4	18462.9	17797.1	17554.7	17306.7
47.5°	20786.5	20931.4	21073.4	21338.1	21580.5	21120.8	19747.3	19000.6	18744.3	18490.8
50°	20741.9	20889.6	21301.9	21864.7	22616.9	22463.7	21101.3	20282.2	20045.4	19755.7
52.5°	20385.3	20552.5	21081.8	22017.9	23215.9	23469.4	22480.4	21605.6	21382.7	21037.2
55°	19449.2	19549.5	20343.5	21669.6	23358.0	24171.5	23831.6	23015.3	22792.4	22310.4
57.5°	17713.5	17858.4	19014.6	20730.8	23001.4	24647.9	25018.4	24497.5	24282.9	23589.2
60°	15448.5	15679.7	17003.1	19153.9	22093.1	24645.1	26096.6	25954.5	25776.2	24848.5
62.5°	12885.3	13152.8	14426.0	16925.1	20505.1	23945.8	26770.8	27174.8	27082.9	26010.3
65°	9895.9	10079.8	11347.5	14041.5	18033.9	22444.2	26848.9	28007.8	28024.6	26893.4
67.5°	6588.9	7118.3	8218.8	10536.7	14724.1	19989.7	26163.5	28144.4	28305.9	27197.1
70°	3215.1	3911.6	4989.8	6848.0	10536.7	16225.8	24372.1	27024.4	27383.8	26311.2
72.5°	1334.5	1560.2	2148.0	3379.4	6048.4	10949.1	20772.6	23987.6	24653.5	23313.4
75°	899.9	975.1	1228.6	1732.9	2755.4	5399.3	14980.4	17886.2	18958.9	17607.6
77.5°	693.7	741.1	894.3	1211.9	1638.2	2042.2	8018.2	10779.1	11333.5	10492.1
80°	546.1	582.3	668.6	883.2	1161.8	1092.1	2733.1	4883.9	5204.3	4365.7
82.5°	473.6	487.6	479.2	599.0	771.7	638.0	897.1	1802.6	1989.2	1443.2
85°	342.7	381.7	398.4	370.5	409.5	323.2	367.8	638.0	702.1	626.9
87.5°	139.3	206.2	253.5	239.6	150.4	91.9	114.2	186.7	214.5	234.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851088  
 CATALOG NUMBER: GLAN-SB8D-927-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5881.3	0°	5881.3	5881.3	5881.3	5881.3	5881.3	5881.3	5881.3	5881.3	5881.3	5881.3
5884.1	2.5°	5886.9	5906.4	5920.3	5937.0	5948.1	5964.9	5998.3	6017.8	6020.6	6034.5
5928.6	5°	5939.8	5967.7	5998.3	6042.9	6093.0	6134.8	6198.9	6243.5	6260.2	6274.1
6037.3	7.5°	6054.0	6093.0	6148.7	6226.8	6299.2	6354.9	6432.9	6485.9	6538.8	6558.3
6210.0	10°	6224.0	6279.7	6360.5	6466.3	6544.4	6616.8	6697.6	6742.2	6795.1	6817.4
6416.2	12.5°	6435.7	6494.2	6600.1	6747.7	6820.2	6870.3	6898.2	6887.0	6898.2	6917.7
6664.2	15°	6678.1	6742.2	6862.0	7020.8	7070.9	7026.3	6965.0	6909.3	6901.0	6906.5
6965.0	17.5°	6965.0	7012.4	7151.7	7285.4	7249.2	7065.3	6931.6	6842.5	6797.9	6784.0
7349.5	20°	7366.2	7366.2	7480.5	7564.0	7321.7	7009.6	6800.7	6655.8	6563.9	6524.9
7873.3	22.5°	7853.8	7809.2	7881.6	7823.1	7307.7	6853.6	6563.9	6313.1	6173.8	6118.1
8606.0	25°	8472.3	8419.3	8399.8	8037.7	7207.4	6605.6	6134.8	5831.1	5708.6	5677.9
9661.9	27.5°	9405.6	9271.9	9018.3	8154.7	7023.6	6215.6	5633.3	5351.9	5282.3	5285.1
11018.7	30°	10648.2	10380.7	9759.4	8174.2	6722.7	5664.0	5120.7	4920.1	4886.7	4900.6
12158.2	32.5°	11798.8	11545.3	10517.2	8085.0	6260.2	5123.5	4661.0	4527.3	4477.1	4493.8
13027.4	35°	12701.5	12631.8	11219.3	7959.7	5691.8	4616.4	4248.7	4134.5	4036.9	4014.7
13846.5	37.5°	13554.0	13526.1	11745.9	7784.1	5129.1	4257.0	3917.1	3766.7	3624.6	3546.6
14752.0	40°	14490.1	14462.2	12091.3	7513.9	4630.4	3945.0	3619.0	3421.2	3245.7	3103.6
15777.2	42.5°	15543.2	15378.8	12255.7	7126.6	4206.9	3680.3	3376.7	3109.2	2878.0	2747.0
16936.2	45°	16693.8	16323.3	12252.9	6633.5	3850.3	3437.9	3117.6	2738.7	2524.1	2401.5
18125.8	47.5°	17914.1	17225.9	12102.5	6087.4	3504.8	3170.5	2716.4	2426.6	2284.5	2209.3
19418.5	50°	19173.4	18070.1	11846.1	5460.6	3151.0	2866.8	2465.6	2267.8	2159.2	2089.5
20700.1	52.5°	20357.4	18836.3	11536.9	4750.2	2791.6	2571.5	2354.2	2201.0	2086.7	2008.7
21942.7	55°	21457.9	19496.6	11099.5	4023.0	2499.1	2373.7	2301.3	2173.1	2042.2	1950.2
23204.7	57.5°	22435.8	19925.6	10344.5	3340.4	2290.1	2237.2	2245.5	2125.7	1975.3	1897.3
24447.3	60°	23249.3	20240.4	9227.3	2708.0	2120.2	2103.4	2159.2	2036.6	1861.1	1771.9
25497.6	62.5°	23736.9	20234.8	7856.6	2217.7	1975.3	1980.9	2044.9	1925.1	1746.8	1663.3
26046.5	65°	23695.1	19738.9	6352.1	1897.3	1836.0	1841.6	1925.1	1802.6	1652.1	1602.0
25770.7	67.5°	22856.5	18529.8	4872.7	1688.3	1682.8	1707.8	1805.3	1719.0	1593.6	1588.0
24126.9	70°	20585.9	16019.6	3510.4	1521.2	1524.0	1560.2	1688.3	1666.0	1563.0	1574.1
20285.0	72.5°	16507.2	12213.9	2357.0	1345.6	1348.4	1406.9	1576.9	1624.2	1532.3	1680.0
14392.6	75°	10993.6	7617.0	1515.6	1159.0	1161.8	1237.0	1479.4	1543.5	1448.7	1674.4
7488.8	77.5°	5282.3	3424.0	1097.7	975.1	975.1	1044.8	1278.8	1381.9	1234.2	1301.1
2407.1	80°	1824.8	1287.1	863.7	785.7	768.9	816.3	1078.2	1198.0	1064.3	980.7
785.7	82.5°	718.8	668.6	693.7	610.1	554.4	585.1	838.6	989.0	782.9	707.6
443.0	85°	412.3	434.6	490.3	404.0	320.4	359.4	615.7	710.4	590.6	521.0
144.9	87.5°	111.4	153.2	225.7	209.0	144.9	153.2	292.5	392.8	339.9	261.9
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°
5881.3
6031.7
6271.3
6561.1
6828.5
6923.3
6926.0
6803.5
6516.5
6109.7
5683.5
5293.4
4948.0
4516.1
4031.4
3549.4
3117.6
2755.4
2396.0
2192.6
2064.4
1975.3
1914.0
1847.1
1732.9
1638.2
1599.2
1596.4
1571.3
1702.3
1688.3
1192.4
919.4
704.9
532.1
270.2
0.0

F REPORT)