

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: P851547

Luminaire Tested: **GLAN-SB9C-827-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851547  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-827-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42655 lumens  
Efficiency: N/A  
Efficacy: 94.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

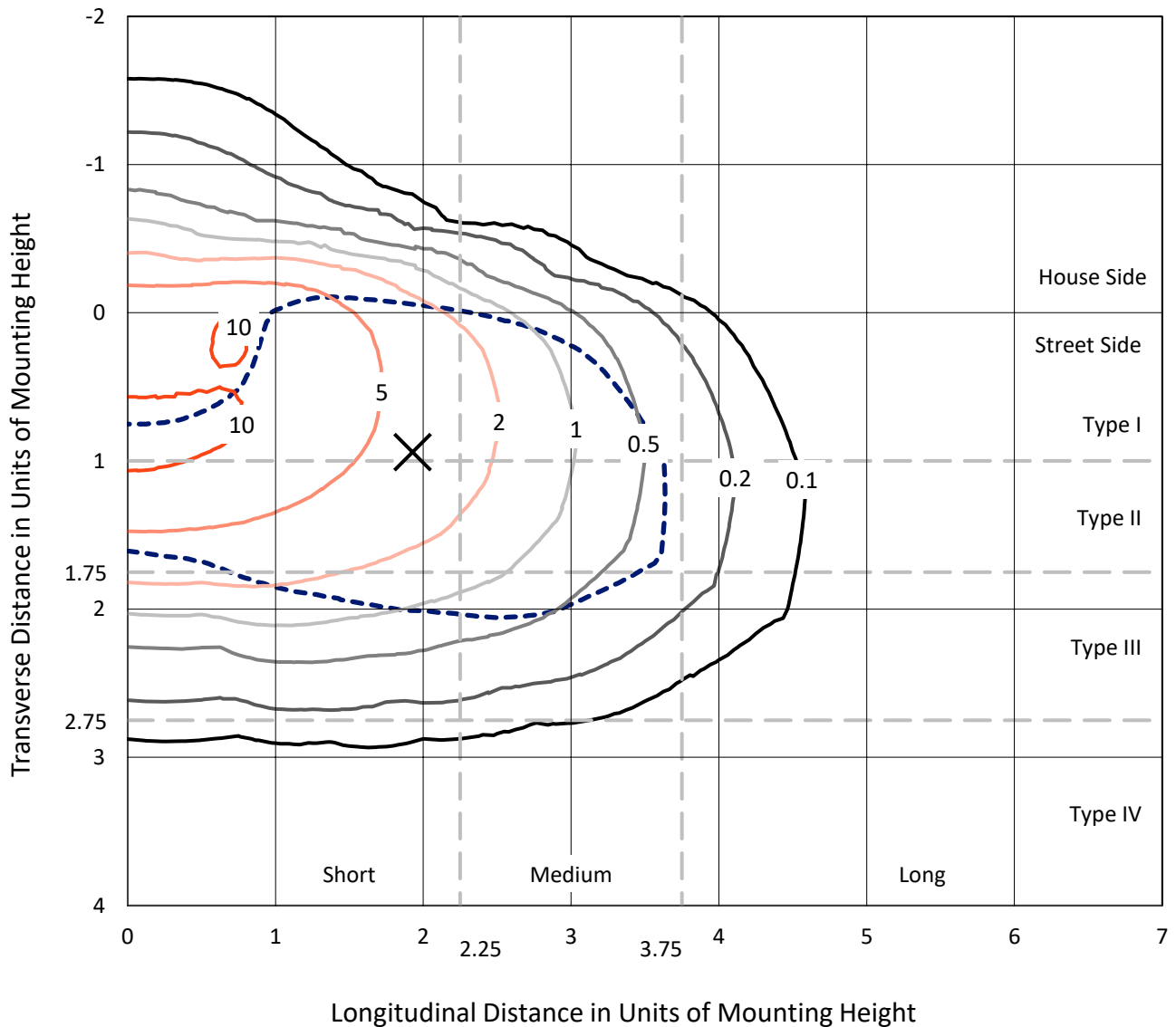
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P851547  
 CATALOG NUMBER: GLAN-SB9C-827-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

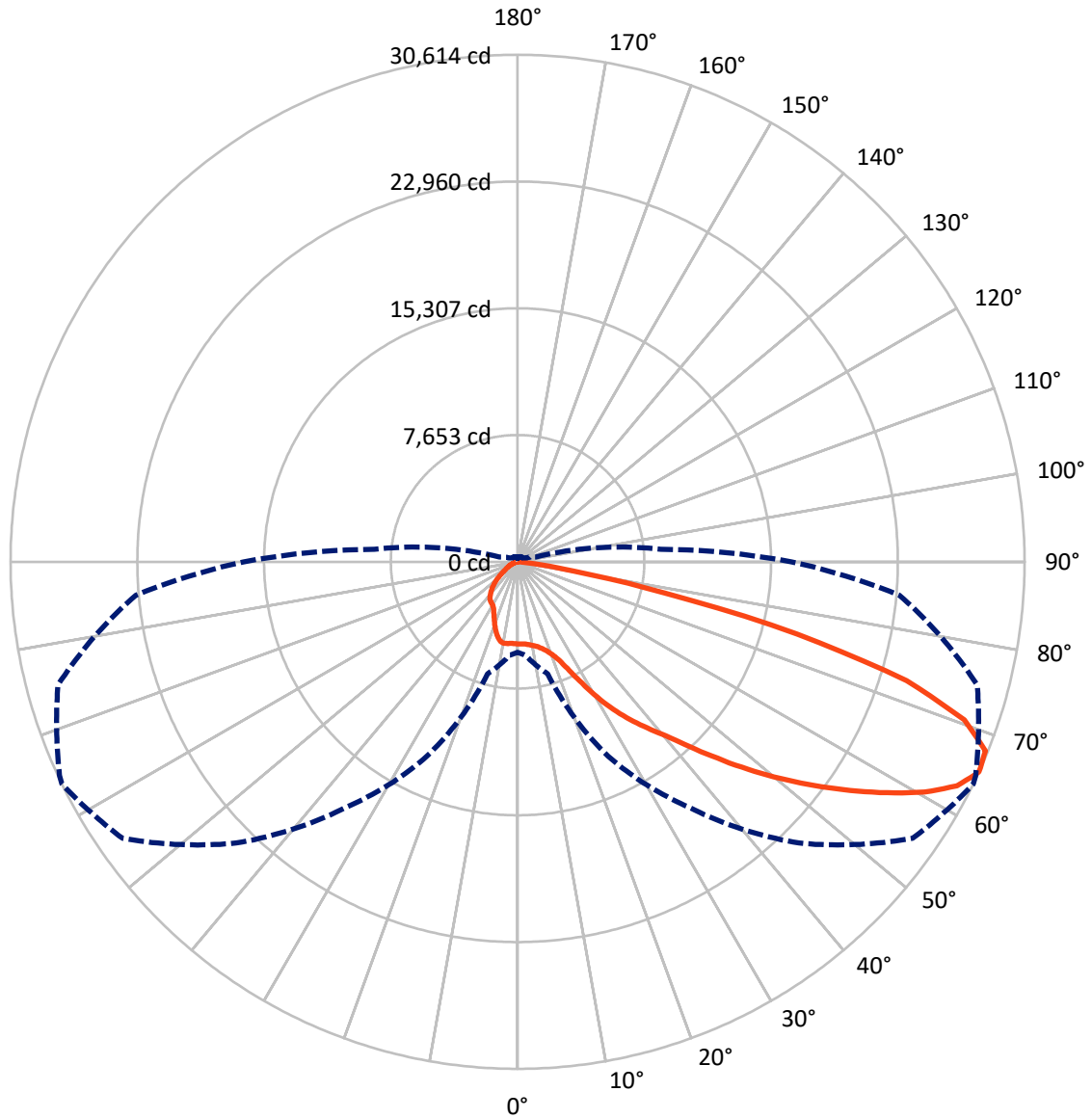
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P851547  
CATALOG NUMBER: GLAN-SB9C-827-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P851547  
 CATALOG NUMBER: GLAN-SB9C-827-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5704.3	0.0	5704.3
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	36950.7	0.0	36950.7
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	42655.0	0.0	42655.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.7	1.1
10°-20°	1241.5	2.9
20°-30°	2352.5	5.5
30°-40°	4760.3	11.2
40°-50°	8109.2	19.0
50°-60°	11028.0	25.9
60°-70°	10355.8	24.3
70°-80°	4149.0	9.7
80°-90°	201.0	0.5
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°	42655.0	100.0
0°-180°	42655.0	100.0

**Coefficient of Utilization**



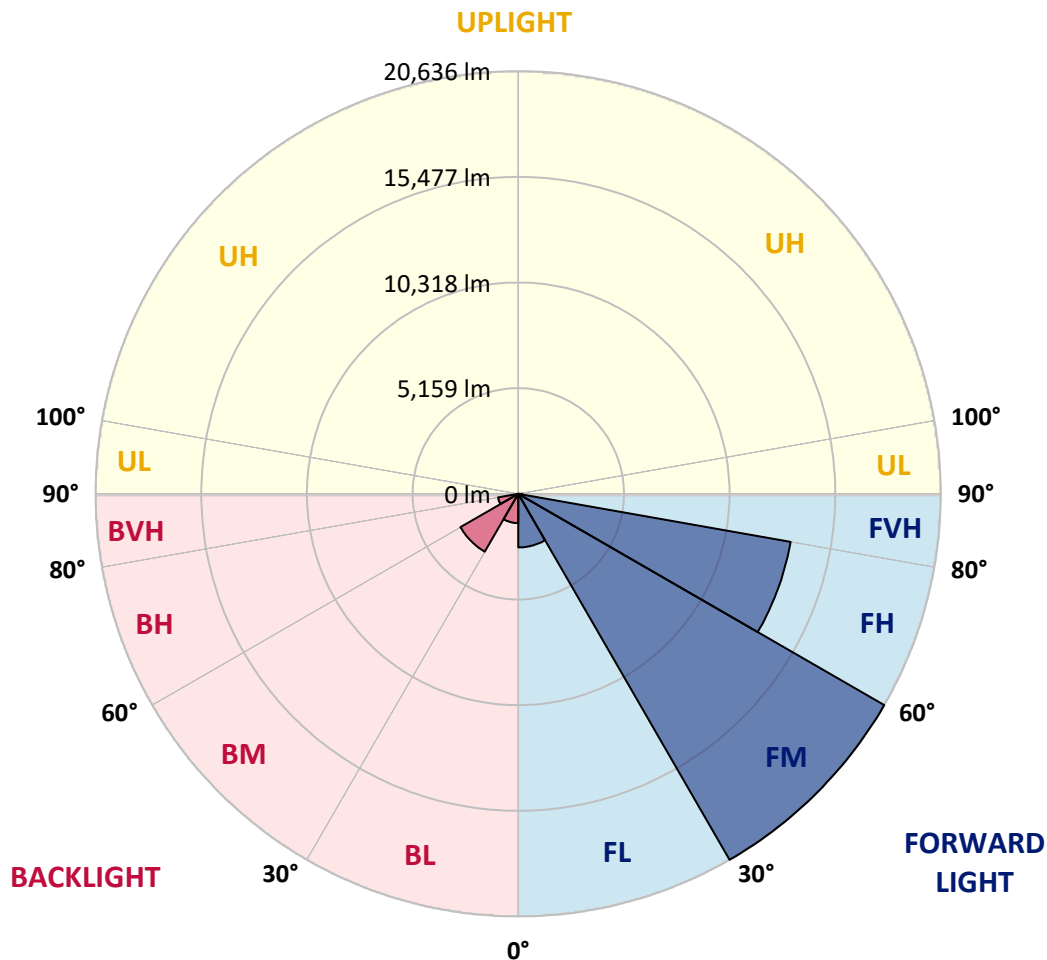
REPORT NUMBER: P851547  
 CATALOG NUMBER: GLAN-SB9C-827-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2619.5	6.1			
FM (30°-60°)	20636.4	48.4			
FH (60°-80°)	13503.6	31.7			G5
FVH (80°-90°)	191.2	0.4			G2/225
BL (0°-30°)	1432.2	3.4	B3/2500		
BM (30°-60°)	3261.1	7.6	B3/5000		
BH (60°-80°)	1001.2	2.3	B3/2500		G3/2500
BVH (80°-90°)	9.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Short



REPORT NUMBER: P851547  
 CATALOG NUMBER: GLAN-SB9C-827-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4961.2	4961.2	4961.2	4961.2	4961.2	4961.2	4961.2	4961.2	4961.2	4961.2
2.5°	4944.1	4978.4	4969.8	4961.2	4958.4	4964.1	4966.9	4964.1	4964.1	4964.1
5°	4849.7	4878.3	4878.3	4898.3	4926.9	4961.2	4987.0	4992.7	4998.4	5007.0
7.5°	4669.6	4692.4	4709.6	4775.4	4846.8	4938.3	5015.5	5055.6	5061.3	5092.8
10°	4546.6	4575.2	4603.8	4672.4	4775.4	4912.6	5044.1	5141.4	5155.7	5230.0
12.5°	4540.9	4569.5	4606.6	4681.0	4801.1	4946.9	5107.1	5247.2	5272.9	5381.6
15°	4600.9	4635.2	4669.6	4761.1	4889.7	5067.0	5238.6	5413.0	5438.8	5593.2
17.5°	4723.9	4769.6	4795.4	4886.9	5024.1	5221.4	5447.3	5647.5	5670.4	5850.5
20°	4966.9	5021.3	5029.8	5104.2	5238.6	5450.2	5719.0	5967.8	5996.4	6202.2
22.5°	5470.2	5547.4	5478.8	5516.0	5636.1	5847.7	6139.3	6453.9	6493.9	6728.4
25°	6356.7	6465.3	6288.0	6225.1	6276.6	6496.8	6862.8	7260.3	7306.0	7494.7
27.5°	8098.1	7958.0	7689.2	7426.1	7271.7	7397.5	7809.3	8301.1	8358.3	8541.3
30°	10011.1	9888.1	9525.0	8941.6	8575.6	8555.6	8935.9	9484.9	9550.7	9725.1
32.5°	11926.9	11809.7	11415.1	10697.4	10062.6	9748.0	10011.1	10620.2	10654.5	10766.0
35°	13811.3	13691.2	13296.6	12561.8	11781.1	11066.2	11014.8	11701.0	11712.5	11829.7
37.5°	15707.2	15607.1	15186.8	14466.2	13697.0	12710.4	12232.9	12724.7	12739.0	12853.4
40°	17059.7	17102.6	16813.8	16256.2	15595.7	14517.6	13599.7	13814.2	13728.4	13920.0
42.5°	18220.7	18306.5	18054.8	17774.6	17391.4	16442.1	15292.6	15255.4	15118.1	15221.1
45°	19224.4	19295.9	19070.0	19004.2	18995.6	18329.3	17142.7	16919.6	16728.0	16708.0
47.5°	19593.2	19730.5	19827.7	20047.9	20476.8	20196.6	19055.7	18709.7	18495.2	18337.9
50°	19733.4	19879.2	20210.9	20851.4	21866.5	21986.6	20960.1	20571.2	20308.1	20022.2
52.5°	19544.6	19804.8	20250.9	21329.0	22801.6	23422.1	22787.3	22447.0	22146.8	21680.7
55°	18432.3	18692.5	19604.7	21323.2	23267.7	24428.6	24514.4	24362.9	24025.5	23290.6
57.5°	16087.5	16473.5	17917.6	20596.9	23259.1	25295.1	26207.2	26315.9	25938.5	24886.2
60°	12839.1	13362.4	15123.9	18987.0	22541.4	25764.0	27691.3	28234.6	27834.3	26458.9
62.5°	8958.8	9565.0	11232.1	16465.0	20900.0	25426.6	28775.1	29778.8	29475.6	27865.8
65°	5464.5	5658.9	7002.9	12956.4	18109.2	24014.0	29109.6	30613.7	30513.6	28726.5
67.5°	3640.1	3803.1	4189.2	8884.4	14057.3	21191.7	28309.0	30467.9	30496.5	28586.3
70°	2193.2	2333.3	2585.0	5167.1	9110.3	16773.8	25829.8	28609.2	28775.1	26713.4
72.5°	903.6	998.0	1226.7	2341.9	4718.2	10645.9	20568.3	24563.0	24949.1	22461.3
75°	511.8	560.5	720.6	1175.3	2047.4	4961.2	12458.8	17437.2	18006.2	15481.3
77.5°	340.3	363.2	466.1	760.6	1152.4	1692.8	5324.4	9084.6	10171.2	8455.5
80°	228.8	248.8	320.3	509.0	749.2	726.3	1695.7	3365.6	4140.5	2905.2
82.5°	154.4	157.3	228.8	334.6	474.7	351.7	500.4	1046.6	1315.4	840.7
85°	88.6	85.8	168.7	194.4	211.6	145.8	151.6	314.5	411.8	354.6
87.5°	11.4	17.2	65.8	51.5	28.6	31.5	31.5	54.3	80.1	85.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851547  
 CATALOG NUMBER: GLAN-SB9C-827-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4961.2	0°	4961.2	4961.2	4961.2	4961.2	4961.2	4961.2	4961.2	4961.2	4961.2	4961.2
4966.9	2.5°	4966.9	4964.1	4955.5	4946.9	4926.9	4915.5	4921.2	4915.5	4912.6	4915.5
5004.1	5°	5004.1	4995.5	4972.7	4944.1	4904.0	4855.4	4824.0	4778.2	4735.3	4709.6
5104.2	7.5°	5104.2	5095.6	5064.2	4984.1	4855.4	4652.4	4466.5	4303.5	4180.6	4109.1
5264.3	10°	5264.3	5250.0	5201.4	5024.1	4686.7	4243.5	3874.6	3568.6	3368.5	3274.1
5453.1	12.5°	5453.1	5435.9	5350.1	4987.0	4366.4	3674.4	3165.5	2825.2	2639.3	2556.4
5670.4	15°	5676.1	5653.2	5484.5	4809.7	3900.3	3045.4	2579.3	2324.8	2204.7	2130.3
5947.7	17.5°	5953.5	5913.4	5584.6	4543.7	3394.2	2565.0	2219.0	2027.4	1921.6	1850.1
6310.9	20°	6313.8	6248.0	5664.7	4226.3	2928.1	2261.9	1975.9	1815.8	1735.7	1672.8
6825.6	22.5°	6817.0	6722.7	5761.9	3883.2	2599.3	2053.1	1795.8	1678.5	1612.8	1541.3
7543.3	25°	7440.4	7328.9	5882.0	3565.8	2373.4	1873.0	1664.2	1567.0	1489.8	1406.9
8484.1	27.5°	8312.5	8112.4	6025.0	3305.6	2178.9	1718.6	1544.1	1435.5	1346.8	1278.2
9550.7	30°	9284.8	8955.9	6150.8	3148.3	2001.6	1575.6	1386.9	1278.2	1195.3	1146.7
10508.6	32.5°	10205.5	9759.4	6233.7	3079.7	1841.5	1412.6	1215.3	1098.0	1035.1	1020.8
11446.5	35°	11074.8	10485.8	6225.1	3013.9	1698.5	1249.6	1046.6	926.5	877.9	886.4
12455.9	37.5°	12075.6	11260.7	6165.1	2911.0	1581.3	1100.9	900.7	794.9	752.0	754.9
13682.7	40°	13239.5	12155.7	6127.9	2716.5	1452.6	963.6	780.6	694.9	663.4	652.0
14975.2	42.5°	14480.5	13022.1	6133.6	2496.3	1292.5	840.7	697.7	626.2	597.6	589.1
16413.5	45°	15727.2	13848.5	6142.2	2267.6	1123.8	746.3	637.7	577.6	560.5	549.0
17871.8	47.5°	16899.6	14552.0	5982.1	2021.7	957.9	674.8	589.1	549.0	534.7	520.4
19335.9	50°	17991.9	15020.9	5596.0	1735.7	826.4	617.7	551.9	523.3	509.0	494.7
20662.7	52.5°	18841.2	15095.3	4958.4	1441.2	734.9	574.8	529.0	503.3	486.1	471.8
21735.0	55°	19218.6	14629.2	4051.9	1166.7	663.4	537.6	506.1	480.4	460.4	446.1
22578.6	57.5°	19121.4	13648.4	3159.7	937.9	594.8	500.4	477.5	460.4	437.5	414.6
23262.0	60°	18643.9	12335.9	2382.0	780.6	531.9	460.4	446.1	431.8	400.3	366.0
23525.0	62.5°	17817.5	10685.9	1698.5	646.2	463.2	414.6	408.9	397.5	351.7	288.8
23136.2	65°	16553.6	8681.4	1143.8	537.6	397.5	363.2	366.0	346.0	285.9	214.5
21712.1	67.5°	14706.4	6348.1	732.0	440.4	331.7	303.1	306.0	294.5	243.1	183.0
19012.8	70°	12353.0	4203.5	477.5	334.6	265.9	234.5	251.6	254.5	205.9	148.7
14592.0	72.5°	9056.0	2482.0	334.6	248.8	194.4	163.0	205.9	211.6	165.9	111.5
8778.6	75°	5161.4	1178.1	251.6	180.1	120.1	114.4	160.1	160.1	114.4	74.3
3800.3	77.5°	2167.5	491.8	177.3	117.2	68.6	65.8	108.7	100.1	57.2	34.3
926.5	80°	626.2	220.2	94.4	57.2	28.6	25.7	42.9	31.5	14.3	5.7
351.7	82.5°	245.9	97.2	37.2	22.9	11.4	11.4	5.7	0.0	0.0	0.0
200.2	85°	145.8	40.0	17.2	8.6	2.9	0.0	0.0	0.0	0.0	0.0
42.9	87.5°	37.2	8.6	5.7	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°
4961.2
4926.9
4715.3
4112.0
3265.5
2547.8
2133.2
1844.4
1661.4
1529.8
1398.3
1263.9
1138.1
1029.4
886.4
766.3
649.1
586.2
549.0
520.4
494.7
469.0
443.2
411.8
360.3
283.1
208.7
174.4
143.0
105.8
68.6
34.3
5.7
0.0
0.0
0.0
0.0

F REPORT)