

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: P853256

Luminaire Tested: **GLAN-SB9D-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853256  
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-SB9D-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 900mA 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: 58105 lumens  
Efficiency: N/A  
Efficacy: 88.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

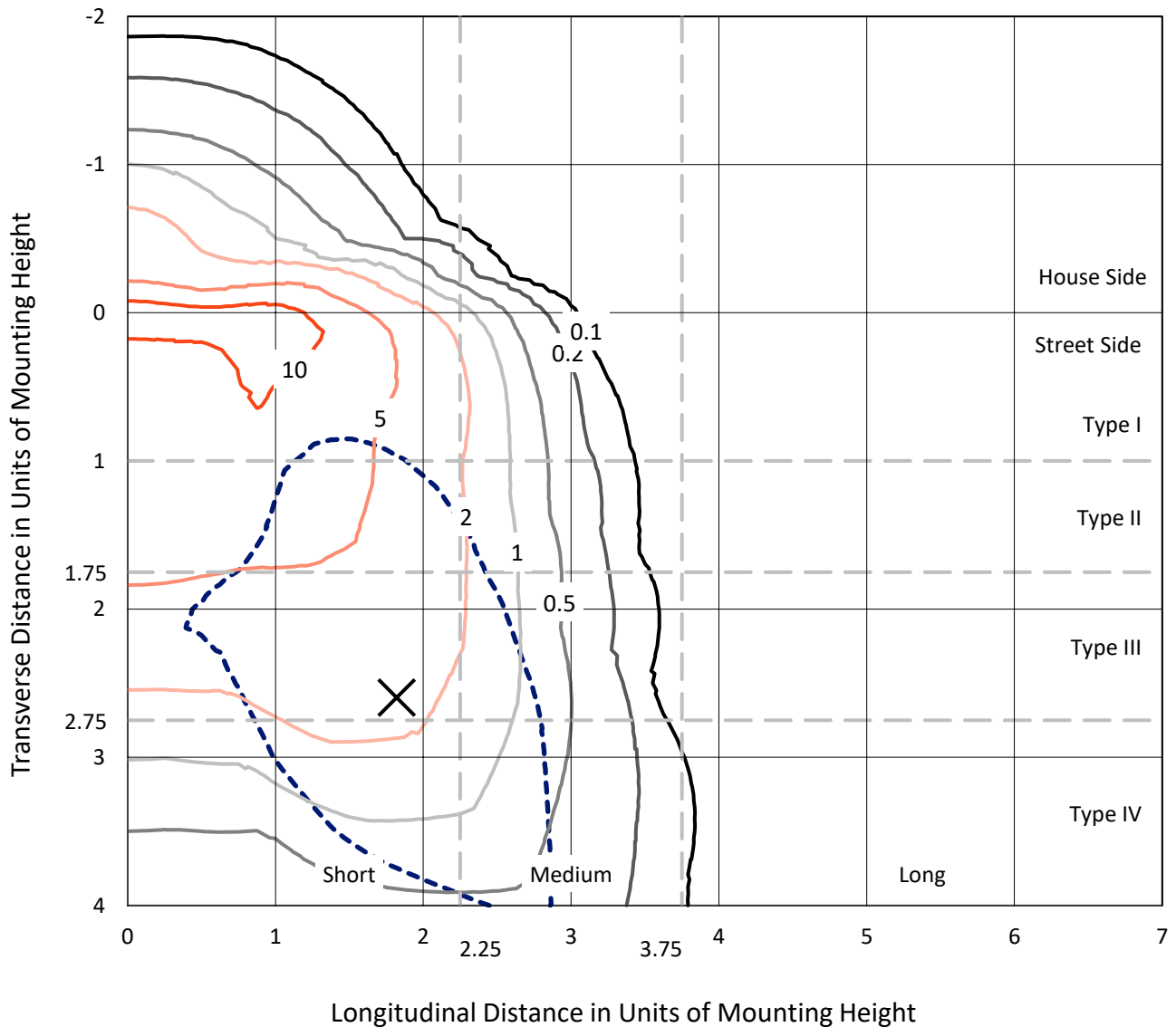
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P853256  
 CATALOG NUMBER: GLAN-SB9D-835-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

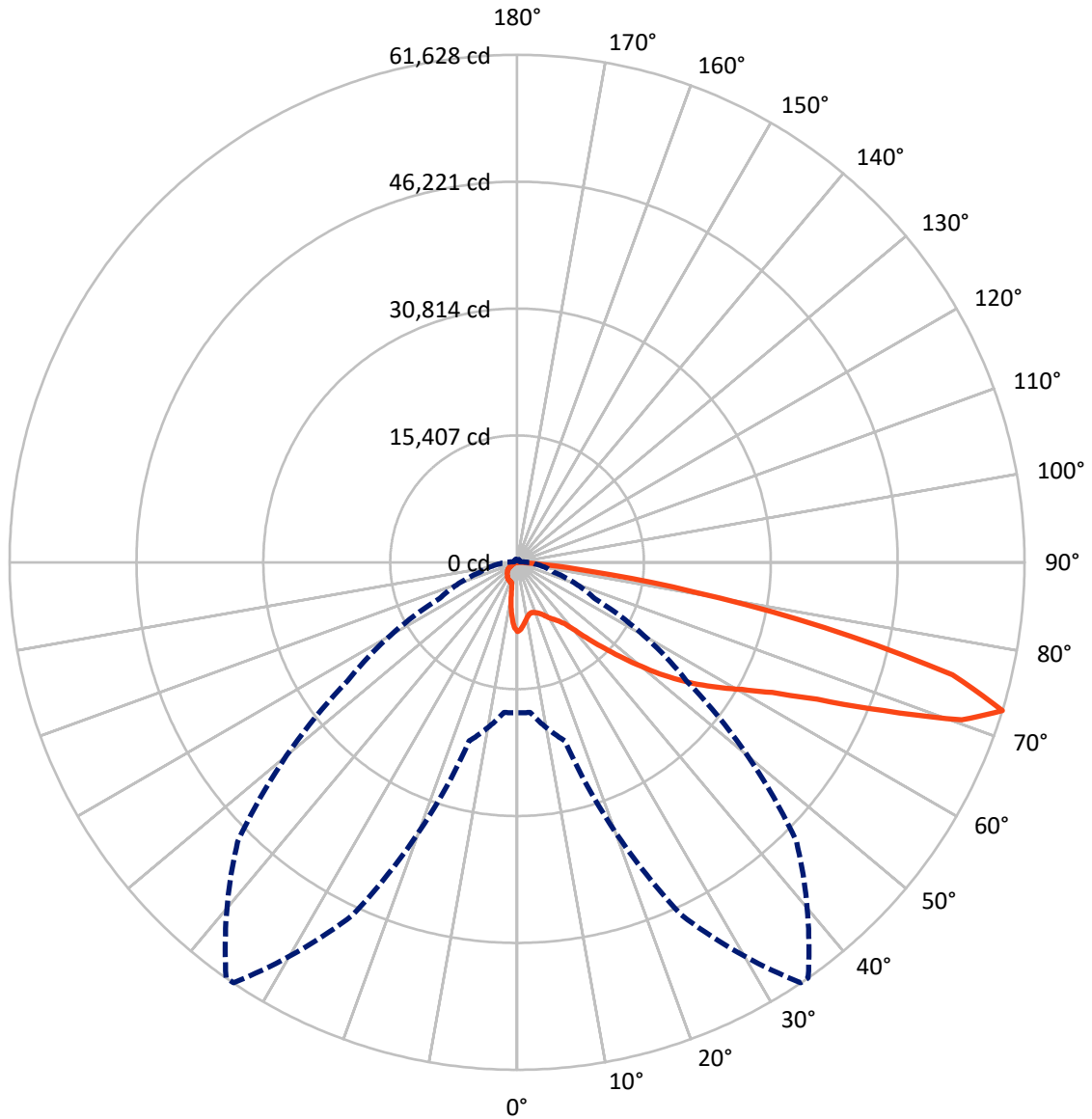
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P853256  
CATALOG NUMBER: GLAN-SB9D-835-U-T4FT-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P853256  
 CATALOG NUMBER: GLAN-SB9D-835-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6539.4	0.0	6539.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	51565.6	0.0	51565.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	58105.0	0.0	58105.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	692.0	1.2
10°-20°	1618.9	2.8
20°-30°	2629.8	4.5
30°-40°	4387.8	7.6
40°-50°	8301.9	14.3
50°-60°	13191.7	22.7
60°-70°	16319.0	28.1
70°-80°	10144.0	17.5
80°-90°	819.8	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°	58105.0	100.0
0°-180°	58105.0	100.0

**Coefficient of Utilization**



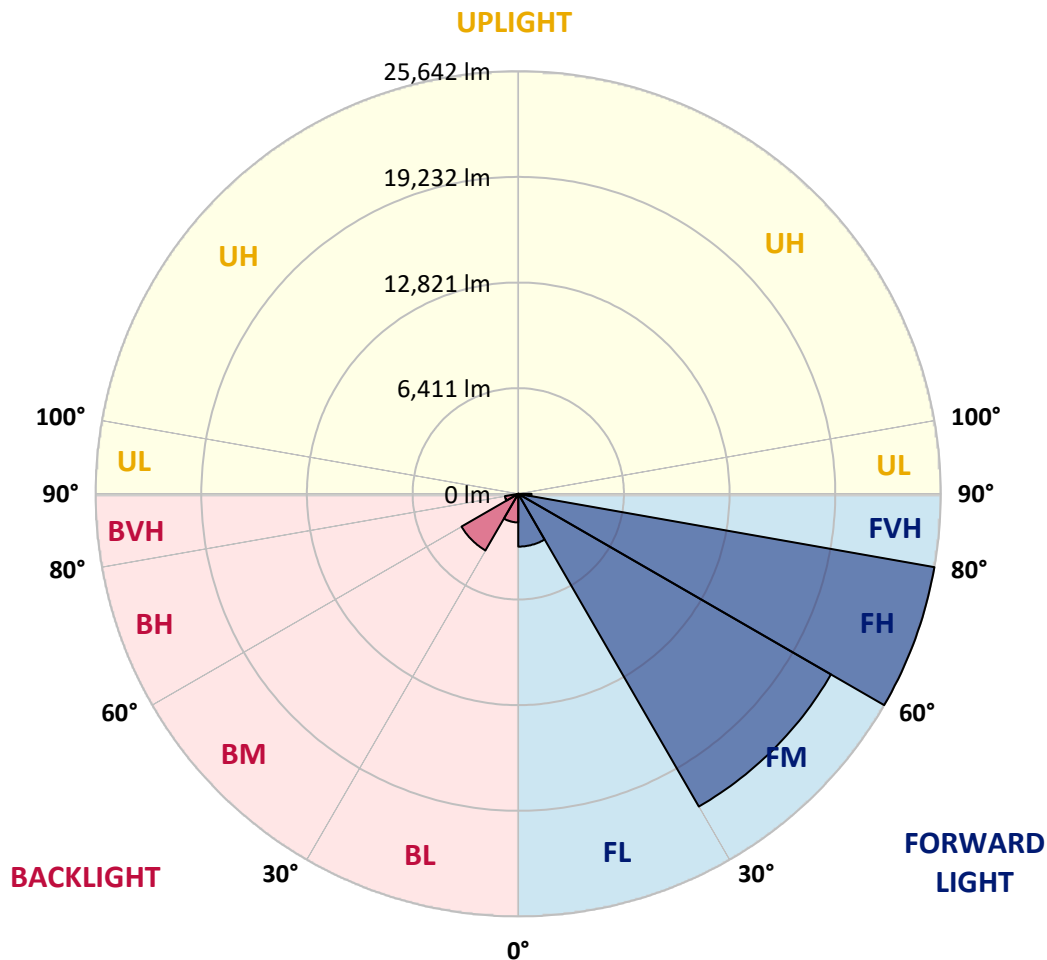
REPORT NUMBER: P853256  
 CATALOG NUMBER: GLAN-SB9D-835-U-T4FT-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3203.1	5.5			
FM	(30°-60°)	21911.4	37.7			
FH	(60°-80°)	25642.5	44.1			G5
FVH	(80°-90°)	808.6	1.4			G5
BL	(0°-30°)	1737.7	3.0	B3/2500		
BM	(30°-60°)	3970.0	6.8	B3/5000		
BH	(60°-80°)	820.6	1.4	B2/1000		G2/1000
BVH	(80°-90°)	11.2	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

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

Type IV Short



REPORT NUMBER: P853256  
 CATALOG NUMBER: GLAN-SB9D-835-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	8421.4	8421.4	8421.4	8421.4	8421.4	8421.4	8421.4	8421.4	8421.4	8421.4
2.5°	8046.7	8114.8	8127.6	8148.9	8148.9	8174.4	8217.0	8276.6	8374.5	8425.6
5°	7416.6	7467.7	7531.5	7582.6	7680.6	7693.3	7859.4	8021.2	8246.8	8417.1
7.5°	6782.2	6841.8	6927.0	7050.4	7178.2	7216.5	7467.7	7740.2	8097.8	8417.1
10°	6335.2	6339.4	6416.1	6539.5	6743.9	6790.7	7097.3	7484.7	7931.7	8366.0
12.5°	6084.0	6113.8	6147.9	6241.5	6437.4	6467.2	6795.0	7250.5	7765.7	8336.2
15°	6084.0	6105.3	6126.6	6173.4	6330.9	6356.5	6646.0	7101.5	7680.6	8349.0
17.5°	6147.9	6181.9	6164.9	6220.2	6386.3	6403.3	6658.8	7059.0	7676.3	8429.9
20°	6301.1	6326.7	6292.6	6326.7	6492.7	6526.8	6790.7	7139.9	7748.7	8570.4
22.5°	6543.8	6556.6	6475.7	6501.2	6671.5	6714.1	7020.6	7369.8	7923.2	8796.0
25°	6850.3	6875.9	6752.4	6782.2	6944.0	6995.1	7348.5	7714.6	8200.0	9106.8
27.5°	7203.7	7216.5	7110.0	7105.8	7314.4	7386.8	7744.4	8140.4	8570.4	9498.5
30°	7608.2	7646.5	7544.3	7527.3	7791.3	7850.9	8204.2	8664.0	9115.3	10086.1
32.5°	7927.5	7957.3	7897.7	7940.3	8208.5	8255.3	8762.0	9404.8	9971.1	10920.5
35°	8387.3	8404.3	8268.1	8344.7	8651.3	8770.5	9524.1	10443.7	11048.2	11967.9
37.5°	10052.0	10052.0	9473.0	9094.0	9387.8	9494.3	10567.1	11750.7	12376.6	13372.9
40°	12355.3	12317.0	11469.7	10694.9	10656.6	10865.2	12053.0	13398.4	14092.4	15058.8
42.5°	14811.9	14752.3	13598.5	12832.1	12704.4	12776.8	13768.8	15429.2	16136.0	17115.2
45°	16991.7	16974.7	15918.8	14888.5	14658.6	14888.5	15910.3	17804.9	18311.6	19341.9
47.5°	18818.2	18818.2	18047.6	17374.9	17255.7	17391.9	18809.7	20440.3	20393.5	21713.3
50°	20921.4	20904.4	20172.1	19882.6	20006.1	20197.6	22147.6	23216.2	22547.8	24042.2
52.5°	22394.5	22496.7	22245.5	22198.7	22828.8	23160.9	25536.6	25932.5	24476.4	26251.8
55°	23561.1	23680.3	23969.8	24297.6	25511.0	25945.3	28819.1	28508.3	26090.0	28167.7
57.5°	25213.0	25042.7	25489.7	26136.9	28099.6	28623.3	31999.5	30939.4	27388.6	29721.7
60°	27218.3	27243.8	27320.5	28137.9	30683.9	31356.6	35133.0	33238.4	28223.1	30675.4
62.5°	29628.0	29666.4	29823.9	31079.9	34153.8	34788.1	38470.9	35120.2	28606.2	30407.2
65°	29462.0	29623.8	31382.1	35678.0	39428.8	40054.7	42366.5	36440.1	28027.2	27954.8
67.5°	26839.4	27103.3	30045.3	41170.2	47381.9	48080.1	47075.3	36699.8	25528.1	21738.9
70°	23399.3	23493.0	27031.0	46108.9	56590.9	57297.6	51290.3	33843.0	19371.7	12125.4
72.5°	18273.2	18294.5	22445.6	47254.1	61589.2	61627.5	47982.2	25123.6	10418.1	4657.7
75°	13053.5	12925.8	15033.3	38321.9	54185.4	54619.6	35971.7	11784.8	3980.8	2201.1
77.5°	6999.4	7139.9	8506.5	22726.6	37432.1	38172.9	19627.1	3397.5	2026.6	1498.6
80°	2162.8	2282.0	3486.9	10405.4	21202.4	21649.5	7276.1	1511.4	1413.5	1068.6
82.5°	681.2	706.7	1626.4	4372.5	8800.3	9004.6	2107.5	855.8	966.5	706.7
85°	195.8	200.1	723.8	1630.6	2175.6	2218.2	591.8	332.1	553.5	438.5
87.5°	21.3	68.1	272.5	272.5	191.6	187.3	63.9	72.4	157.5	55.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853256  
 CATALOG NUMBER: GLAN-SB9D-835-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8421.4	0°	8421.4	8421.4	8421.4	8421.4	8421.4	8421.4	8421.4	8421.4	8421.4	8421.4
8459.7	2.5°	8438.4	8442.7	8387.3	8293.6	8191.5	8106.3	7999.9	7914.7	7855.1	7838.1
8536.3	5°	8498.0	8468.2	8310.7	8025.4	7684.8	7391.0	7063.2	6803.5	6633.2	6560.8
8617.2	7.5°	8587.4	8502.3	8157.4	7595.4	6944.0	6365.0	5777.4	5321.9	5032.4	4887.6
8693.8	10°	8664.0	8493.7	7901.9	6973.8	5977.5	5100.5	4308.6	3759.4	3452.8	3308.1
8783.3	12.5°	8736.4	8489.5	7569.9	6237.3	4887.6	3814.7	3078.2	2805.7	2720.6	2690.7
8928.0	15°	8872.7	8502.3	7152.6	5394.3	3802.0	2882.3	2614.1	2609.9	2626.9	2618.4
9149.4	17.5°	9060.0	8515.0	6680.0	4500.2	2933.4	2541.7	2529.0	2567.3	2592.8	2580.1
9426.1	20°	9302.7	8566.1	6177.7	3614.6	2520.4	2456.6	2486.4	2520.4	2541.7	2520.4
9796.5	22.5°	9643.3	8655.5	5628.4	2903.6	2388.5	2405.5	2431.0	2469.4	2490.6	2460.8
10269.1	25°	10060.5	8796.0	5087.7	2524.7	2324.6	2345.9	2384.2	2426.8	2452.3	2422.5
10865.2	27.5°	10601.2	9021.7	4589.6	2439.6	2260.7	2273.5	2328.9	2392.7	2426.8	2388.5
11712.4	30°	11384.6	9392.1	4159.6	2477.9	2222.4	2192.6	2269.3	2358.7	2397.0	2362.9
12866.2	32.5°	12423.4	9915.8	3895.6	2537.5	2205.4	2099.0	2171.3	2286.3	2350.1	2328.9
14373.4	35°	13785.8	10711.9	3793.4	2605.6	2192.6	2001.0	2052.1	2175.6	2286.3	2307.6
16272.2	37.5°	15437.7	11818.9	3823.2	2635.4	2154.3	1920.1	1945.7	2052.1	2196.9	2265.0
18409.5	40°	17315.3	13108.9	3993.5	2605.6	2111.7	1852.0	1856.3	1937.2	2064.9	2167.1
20708.5	42.5°	19252.5	14616.0	4308.6	2494.9	2073.4	1792.4	1779.6	1835.0	1920.1	1992.5
23003.3	45°	21096.0	16165.8	4619.4	2341.6	2026.6	1732.8	1703.0	1724.3	1741.3	1771.1
25238.5	47.5°	22705.3	17255.7	4530.0	2201.1	1962.7	1664.7	1613.6	1605.1	1554.0	1549.7
27235.3	50°	23816.5	17494.1	4023.4	2060.6	1869.0	1588.1	1507.2	1456.1	1366.7	1324.1
28729.7	52.5°	24169.9	16553.2	3286.8	1920.1	1715.8	1485.9	1370.9	1290.0	1179.3	1141.0
29589.7	55°	23701.6	14709.7	2626.9	1749.8	1502.9	1349.6	1221.9	1115.5	1026.1	979.2
29683.4	57.5°	22556.3	12363.8	2077.7	1549.7	1277.3	1196.4	1068.6	962.2	885.6	838.7
28644.6	60°	20657.5	9817.8	1643.4	1311.3	1089.9	1030.3	898.3	830.2	762.1	706.7
25962.3	62.5°	17775.1	7007.9	1290.0	1038.8	911.1	843.0	766.4	715.3	634.4	557.7
21138.6	65°	13871.0	4287.3	996.3	762.1	732.3	698.2	651.4	604.6	506.6	430.0
13790.1	67.5°	8749.2	2030.8	711.0	574.8	579.0	562.0	540.7	502.4	430.0	361.9
6177.7	70°	3853.1	983.5	468.3	438.5	430.0	430.0	447.0	434.3	366.1	302.3
2145.8	72.5°	1311.3	527.9	349.1	332.1	310.8	306.5	374.7	361.9	293.8	234.2
1068.6	75°	685.5	353.4	255.5	238.4	187.3	225.6	298.0	281.0	208.6	153.3
706.7	77.5°	447.0	251.2	174.6	153.3	106.4	149.0	221.4	195.8	123.5	76.6
464.1	80°	281.0	166.0	102.2	72.4	51.1	80.9	119.2	85.2	46.8	17.0
272.5	82.5°	149.0	85.2	38.3	25.5	21.3	25.5	29.8	21.3	8.5	0.0
140.5	85°	59.6	29.8	12.8	8.5	4.3	0.0	8.5	4.3	0.0	0.0
25.5	87.5°	21.3	4.3	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°
8421.4
7867.9
6586.4
4908.9
3312.3
2682.2
2614.1
2575.8
2516.2
2456.6
2418.3
2388.5
2358.7
2328.9
2307.6
2282.0
2201.1
2022.3
1788.2
1545.5
1328.3
1136.8
979.2
830.2
694.0
545.0
417.2
353.4
289.5
221.4
140.5
68.1
12.8
0.0
0.0
0.0
0.0

F REPORT)