

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: P853252

Luminaire Tested: **GLAN-SB9D-827-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853252  
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-827-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 2700K, 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: 55953 lumens  
Efficiency: N/A  
Efficacy: 85.0 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

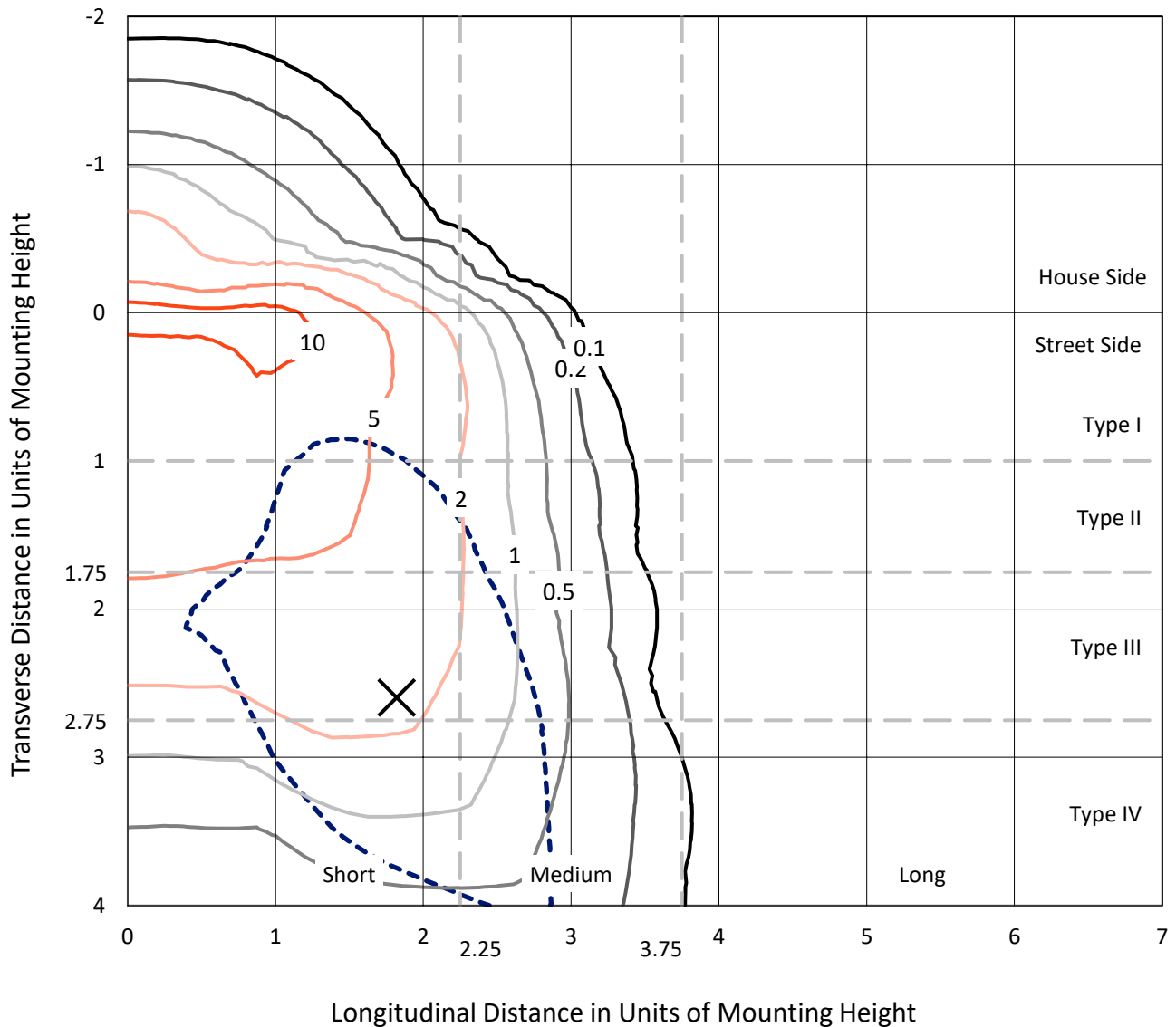
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P853252  
 CATALOG NUMBER: GLAN-SB9D-827-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

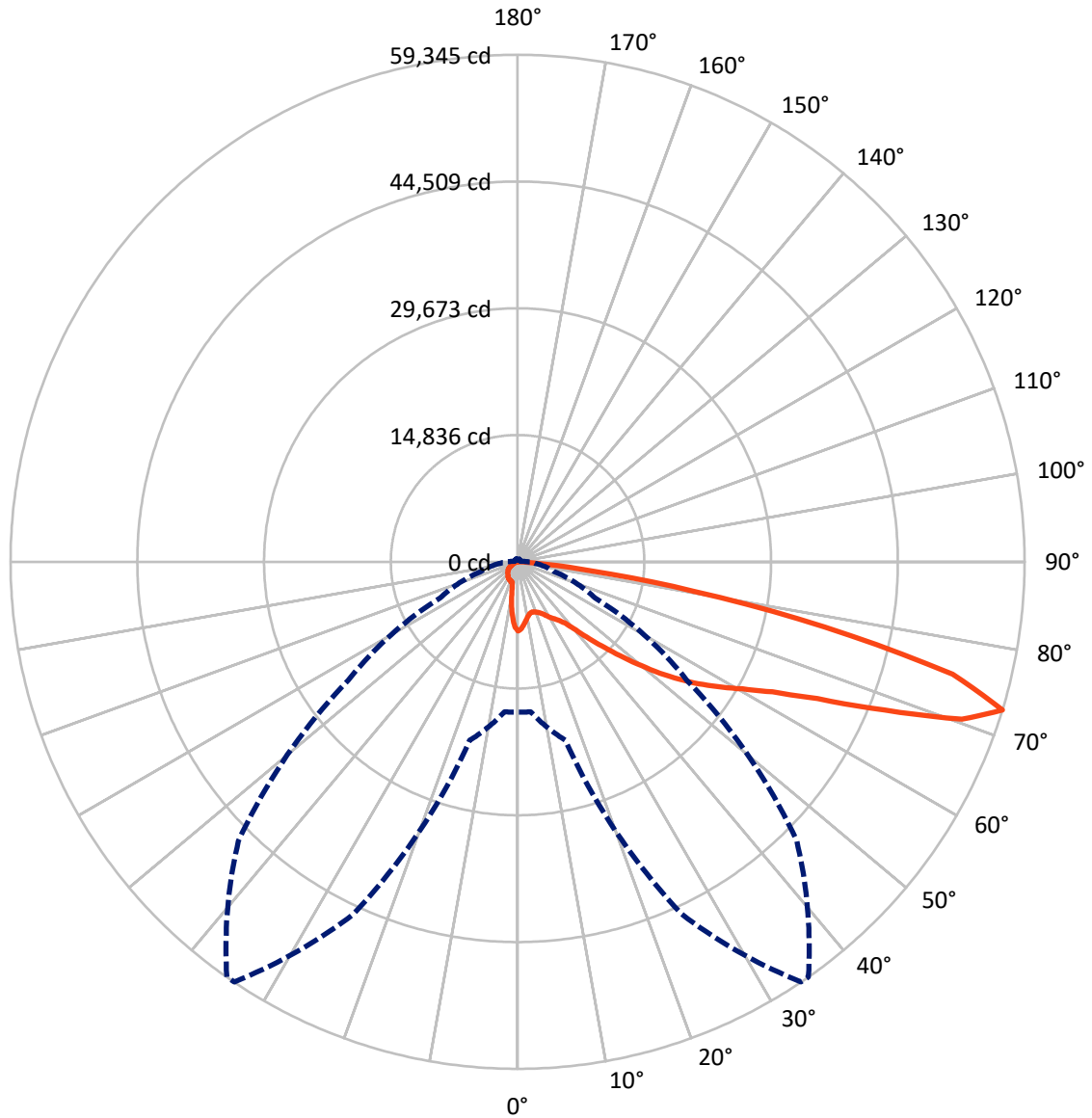
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc  
 Type IV - Short - N/A

REPORT NUMBER: P853252  
CATALOG NUMBER: GLAN-SB9D-827-U-T4FT-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P853252  
 CATALOG NUMBER: GLAN-SB9D-827-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6297.3	0.0	6297.3
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	49655.8	0.0	49655.8
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	55953.0	0.0	55953.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	666.4	1.2
10°-20°	1558.9	2.8
20°-30°	2532.4	4.5
30°-40°	4225.3	7.6
40°-50°	7994.4	14.3
50°-60°	12703.1	22.7
60°-70°	15714.6	28.1
70°-80°	9768.3	17.5
80°-90°	789.4	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°	55953.0	100.0
0°-180°	55953.0	100.0

**Coefficient of Utilization**



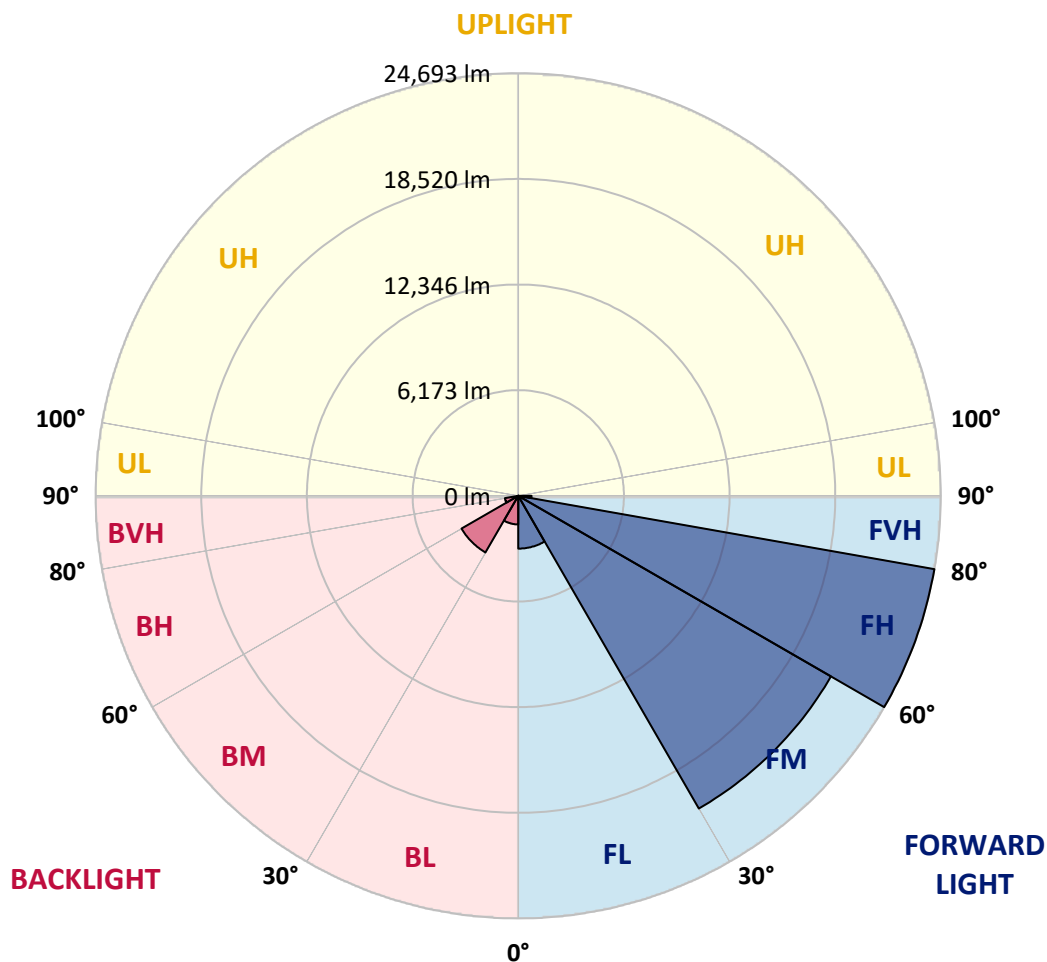
REPORT NUMBER: P853252  
 CATALOG NUMBER: GLAN-SB9D-827-U-T4FT-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3084.4	5.5			
FM	(30°-60°)	21099.9	37.7			
FH	(60°-80°)	24692.7	44.1			G5
FVH	(80°-90°)	778.7	1.4			G5
BL	(0°-30°)	1673.3	3.0	B3/2500		
BM	(30°-60°)	3823.0	6.8	B3/5000		
BH	(60°-80°)	790.2	1.4	B2/1000		G2/1000
BVH	(80°-90°)	10.7	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: P853252  
 CATALOG NUMBER: GLAN-SB9D-827-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	8109.5	8109.5	8109.5	8109.5	8109.5	8109.5	8109.5	8109.5	8109.5	8109.5
2.5°	7748.7	7814.3	7826.6	7847.1	7847.1	7871.7	7912.7	7970.1	8064.4	8113.6
5°	7141.9	7191.1	7252.6	7301.8	7396.1	7408.4	7568.3	7724.1	7941.4	8105.4
7.5°	6531.0	6588.4	6670.4	6789.3	6912.3	6949.2	7191.1	7453.5	7797.9	8105.4
10°	6100.5	6104.6	6178.4	6297.3	6494.1	6539.2	6834.4	7207.5	7638.0	8056.2
12.5°	5858.7	5887.4	5920.2	6010.4	6198.9	6227.6	6543.3	6982.0	7478.1	8027.5
15°	5858.7	5879.2	5899.7	5944.8	6096.4	6121.0	6399.8	6838.5	7396.1	8039.8
17.5°	5920.2	5953.0	5936.6	5989.9	6149.7	6166.1	6412.1	6797.5	7392.0	8117.7
20°	6067.7	6092.3	6059.6	6092.3	6252.2	6285.0	6539.2	6875.4	7461.7	8253.0
22.5°	6301.4	6313.7	6235.8	6260.4	6424.4	6465.4	6760.6	7096.8	7629.8	8470.3
25°	6596.6	6621.2	6502.3	6531.0	6686.8	6736.0	7076.3	7428.9	7896.3	8769.5
27.5°	6936.9	6949.2	6846.7	6842.6	7043.5	7113.2	7457.6	7838.9	8253.0	9146.7
30°	7326.4	7363.3	7264.9	7248.5	7502.7	7560.1	7900.4	8343.2	8777.7	9712.5
32.5°	7633.9	7662.6	7605.2	7646.2	7904.5	7949.6	8437.5	9056.5	9601.8	10516.1
35°	8076.7	8093.1	7961.9	8035.7	8330.9	8445.7	9171.3	10056.9	10639.1	11524.6
37.5°	9679.7	9679.7	9122.1	8757.2	9040.1	9142.6	10175.8	11315.5	11918.2	12877.6
40°	11897.7	11860.8	11044.9	10298.8	10261.9	10462.8	11606.6	12902.2	13570.4	14501.1
42.5°	14263.3	14205.9	13094.9	12356.9	12233.9	12303.6	13258.9	14857.8	15538.4	16481.3
45°	16362.4	16346.0	15329.3	14337.1	14115.7	14337.1	15321.1	17145.5	17633.4	18625.5
47.5°	18121.3	18121.3	17379.2	16731.4	16616.6	16747.8	18113.1	19683.3	19638.2	20909.1
50°	20146.6	20130.2	19425.0	19146.2	19265.1	19449.6	21327.3	22356.4	21712.7	23151.7
52.5°	21565.1	21663.5	21421.6	21376.5	21983.3	22303.1	24590.8	24972.1	23569.9	25279.6
55°	22688.5	22803.3	23082.0	23397.7	24566.2	24984.4	27751.8	27452.5	25123.8	27124.5
57.5°	24279.2	24115.2	24545.7	25168.9	27058.9	27563.2	30814.3	29793.5	26374.2	28620.9
60°	26210.2	26234.8	26308.6	27095.8	29547.5	30195.3	33831.8	32007.4	27177.8	29539.3
62.5°	28530.7	28567.6	28719.3	29928.8	32888.8	33499.7	37046.1	33819.5	27546.8	29281.0
65°	28370.8	28526.6	30219.9	34356.6	37968.5	38571.2	40797.4	35090.5	26989.2	26919.5
67.5°	25845.3	26099.5	28932.5	39645.4	45627.0	46299.4	45331.8	35340.5	24582.6	20933.7
70°	22532.7	22622.9	26029.8	44401.2	54495.0	55175.5	49390.7	32589.6	18654.2	11676.3
72.5°	17596.5	17617.0	21614.3	45504.0	59308.2	59345.1	46205.1	24193.1	10032.3	4485.2
75°	12570.1	12447.1	14476.5	36902.6	52178.5	52596.7	34639.5	11348.3	3833.3	2119.6
77.5°	6740.1	6875.4	8191.5	21884.9	36045.7	36759.1	18900.2	3271.7	1951.5	1443.1
80°	2082.7	2197.5	3357.8	10020.0	20417.2	20847.6	7006.6	1455.4	1361.1	1029.1
82.5°	656.0	680.6	1566.1	4210.5	8474.4	8671.1	2029.4	824.1	930.7	680.6
85°	188.6	192.7	697.0	1570.2	2095.0	2136.0	569.9	319.8	533.0	422.3
87.5°	20.5	65.6	262.4	262.4	184.5	180.4	61.5	69.7	151.7	53.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853252  
 CATALOG NUMBER: GLAN-SB9D-827-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8109.5	0°	8109.5	8109.5	8109.5	8109.5	8109.5	8109.5	8109.5	8109.5	8109.5	8109.5
8146.4	2.5°	8125.9	8130.0	8076.7	7986.5	7888.1	7806.1	7703.6	7621.6	7564.2	7547.8
8220.2	5°	8183.3	8154.6	8002.9	7728.2	7400.2	7117.3	6801.6	6551.5	6387.5	6317.8
8298.1	7.5°	8269.4	8187.4	7855.3	7314.1	6686.8	6129.2	5563.5	5124.8	4846.0	4706.6
8371.9	10°	8343.2	8179.2	7609.3	6715.5	5756.2	4911.6	4149.0	3620.2	3325.0	3185.6
8458.0	12.5°	8412.9	8175.1	7289.5	6006.3	4706.6	3673.4	2964.2	2701.8	2619.8	2591.1
8597.3	15°	8544.0	8187.4	6887.7	5194.5	3661.1	2775.6	2517.3	2513.2	2529.6	2521.4
8810.5	17.5°	8724.4	8199.7	6432.6	4333.5	2824.8	2447.6	2435.3	2472.2	2496.8	2484.5
9077.0	20°	8958.1	8248.9	5948.9	3480.8	2427.1	2365.6	2394.3	2427.1	2447.6	2427.1
9433.7	22.5°	9286.1	8335.0	5420.0	2796.1	2300.0	2316.4	2341.0	2377.9	2398.4	2369.7
9888.8	25°	9687.9	8470.3	4899.3	2431.2	2238.5	2259.0	2295.9	2336.9	2361.5	2332.8
10462.8	27.5°	10208.6	8687.5	4419.6	2349.2	2177.0	2189.3	2242.6	2304.1	2336.9	2300.0
11278.6	30°	10962.9	9044.2	4005.5	2386.1	2140.1	2111.4	2185.2	2271.3	2308.2	2275.4
12389.7	32.5°	11963.3	9548.5	3751.3	2443.5	2123.7	2021.2	2090.9	2201.6	2263.1	2242.6
13841.0	35°	13275.3	10315.2	3652.9	2509.1	2111.4	1926.9	1976.1	2095.0	2201.6	2222.1
15669.6	37.5°	14866.0	11381.1	3681.6	2537.8	2074.5	1849.0	1873.6	1976.1	2115.5	2181.1
17727.7	40°	16674.0	12623.4	3845.6	2509.1	2033.5	1783.4	1787.5	1865.4	1988.4	2086.8
19941.6	42.5°	18539.4	14074.7	4149.0	2402.5	1996.6	1726.0	1713.7	1767.0	1849.0	1918.7
22151.4	45°	20314.7	15567.1	4448.3	2254.9	1951.5	1668.6	1639.9	1660.4	1676.8	1705.5
24303.8	47.5°	21864.4	16616.6	4362.2	2119.6	1890.0	1603.0	1553.8	1545.6	1496.4	1492.3
26226.6	50°	22934.5	16846.2	3874.3	1984.3	1799.8	1529.2	1451.3	1402.1	1316.0	1275.0
27665.7	52.5°	23274.7	15940.1	3165.1	1849.0	1652.2	1430.8	1320.1	1242.2	1135.7	1098.8
28493.8	55°	22823.8	14164.9	2529.6	1685.0	1447.2	1299.6	1176.7	1074.2	988.1	943.0
28584.0	57.5°	21720.9	11905.9	2000.7	1492.3	1229.9	1152.1	1029.1	926.6	852.8	807.7
27583.7	60°	19892.4	9454.2	1582.5	1262.7	1049.6	992.2	865.1	799.5	733.9	680.6
25000.8	62.5°	17116.8	6748.3	1242.2	1000.4	877.4	811.8	738.0	688.8	610.9	537.1
20355.7	65°	13357.2	4128.5	959.4	733.9	705.2	672.4	627.3	582.2	487.9	414.1
13279.4	67.5°	8425.2	1955.6	684.7	553.5	557.6	541.2	520.7	483.8	414.1	348.5
5948.9	70°	3710.3	947.1	451.0	422.3	414.1	414.1	430.5	418.2	352.6	291.1
2066.3	72.5°	1262.7	508.4	336.2	319.8	299.3	295.2	360.8	348.5	282.9	225.5
1029.1	75°	660.1	340.3	246.0	229.6	180.4	217.3	287.0	270.6	200.9	147.6
680.6	77.5°	430.5	241.9	168.1	147.6	102.5	143.5	213.2	188.6	118.9	73.8
446.9	80°	270.6	159.9	98.4	69.7	49.2	77.9	114.8	82.0	45.1	16.4
262.4	82.5°	143.5	82.0	36.9	24.6	20.5	24.6	28.7	20.5	8.2	0.0
135.3	85°	57.4	28.7	12.3	8.2	4.1	0.0	8.2	4.1	0.0	0.0
24.6	87.5°	20.5	4.1	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°
8109.5
7576.5
6342.4
4727.1
3189.7
2582.9
2517.3
2480.4
2423.0
2365.6
2328.7
2300.0
2271.3
2242.6
2222.1
2197.5
2119.6
1947.4
1721.9
1488.2
1279.1
1094.7
943.0
799.5
668.3
524.8
401.8
340.3
278.8
213.2
135.3
65.6
12.3
0.0
0.0
0.0
0.0

F REPORT)