

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: P850317

Luminaire Tested: **GLAN-SB7D-735-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850317  
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-SB7D-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

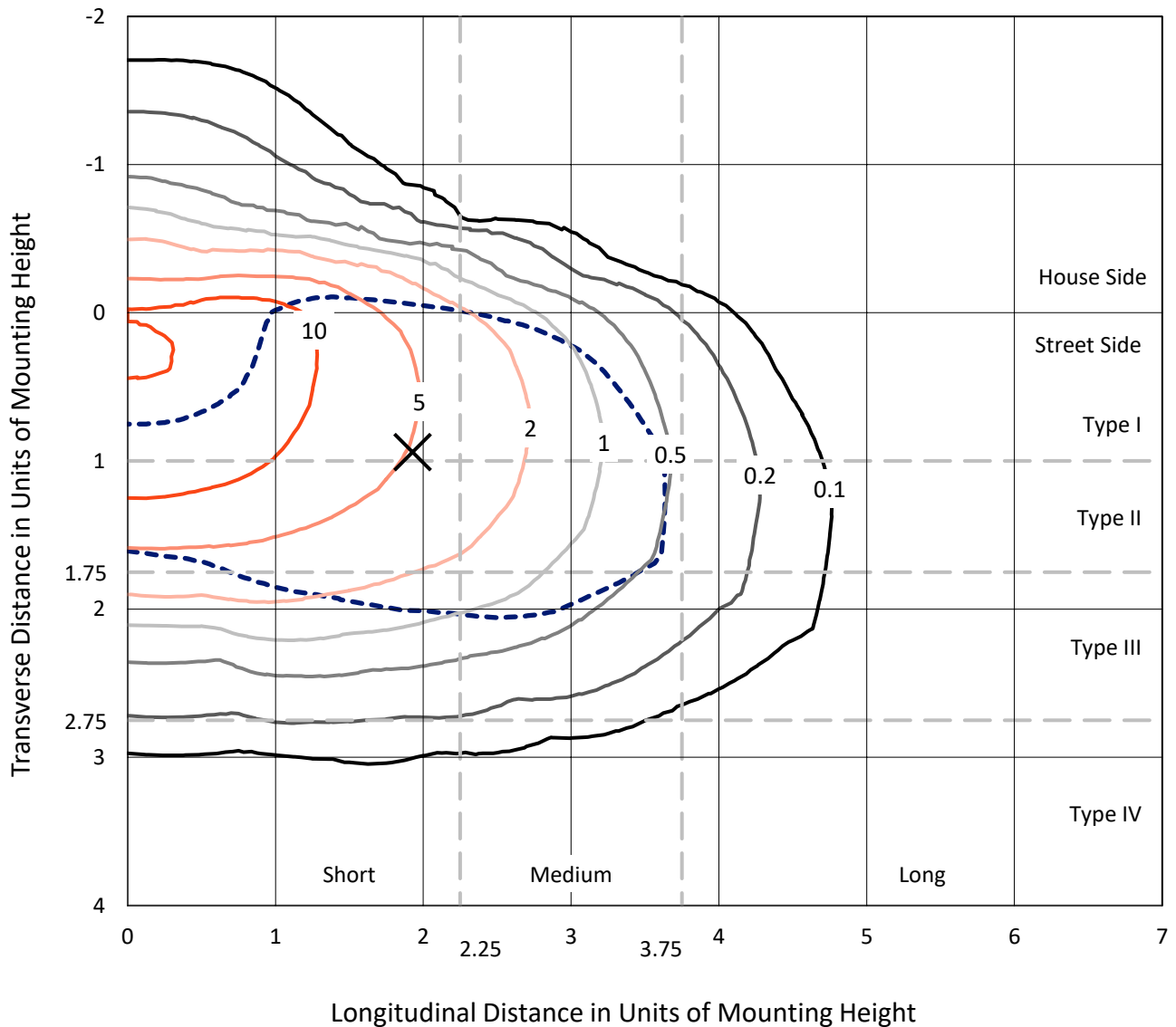
Lumens per Lamp: N/A  
Luminaire Lumens: 55696 lumens  
Efficiency: N/A  
Efficacy: 108.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): 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: P850317  
 CATALOG NUMBER: GLAN-SB7D-735-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

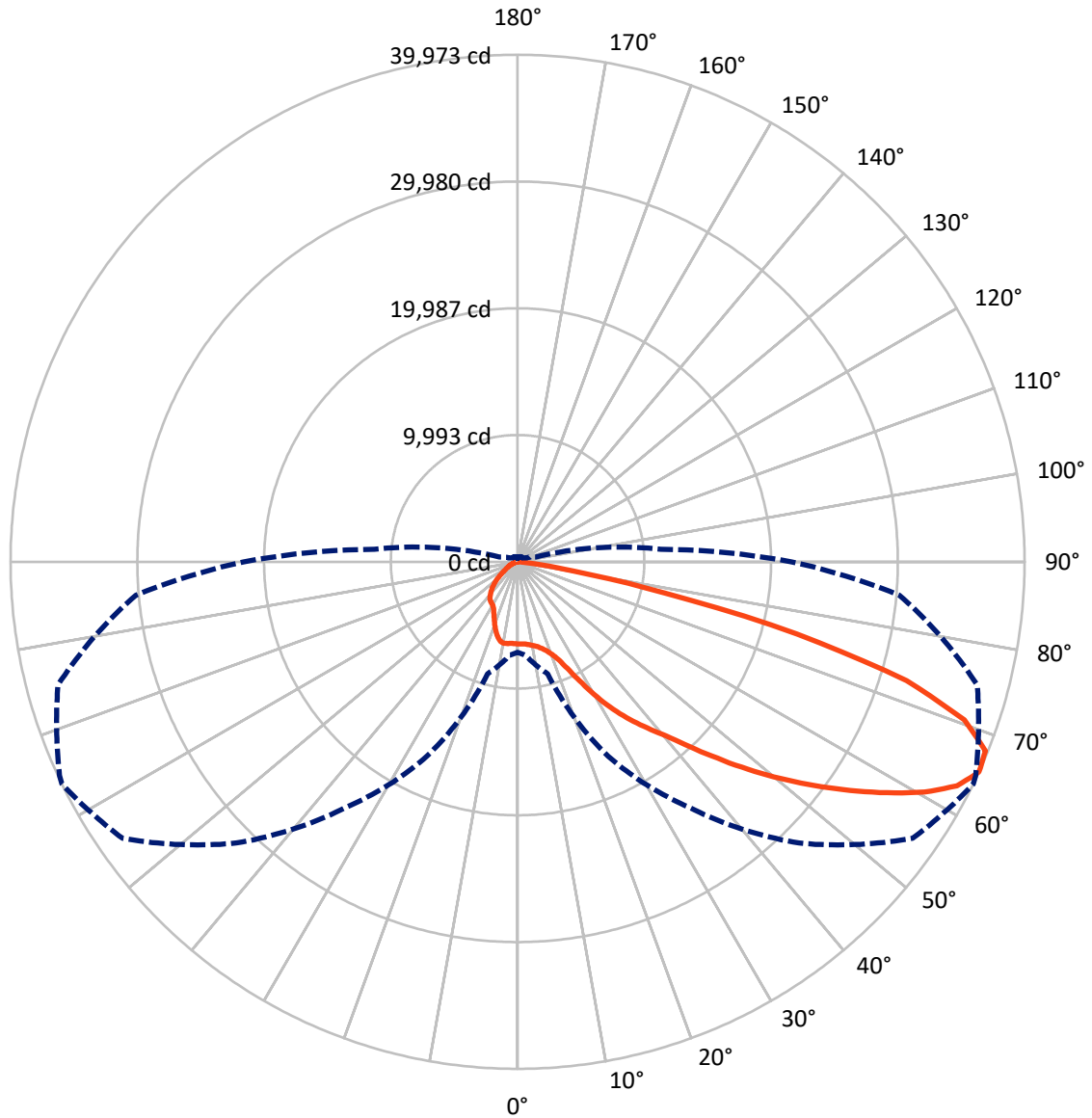
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.3 fc  
 Type III - Short - N/A

REPORT NUMBER: P850317  
CATALOG NUMBER: GLAN-SB7D-735-U-T3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P850317  
 CATALOG NUMBER: GLAN-SB7D-735-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7448.2	0.0	7448.2
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	48247.8	0.0	48247.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	55696.0	0.0	55696.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	597.7	1.1
10°-20°	1621.0	2.9
20°-30°	3071.7	5.5
30°-40°	6215.7	11.2
40°-50°	10588.5	19.0
50°-60°	14399.6	25.9
60°-70°	13521.9	24.3
70°-80°	5417.5	9.7
80°-90°	262.5	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°	55696.0	100.0
0°-180°	55696.0	100.0

**Coefficient of Utilization**

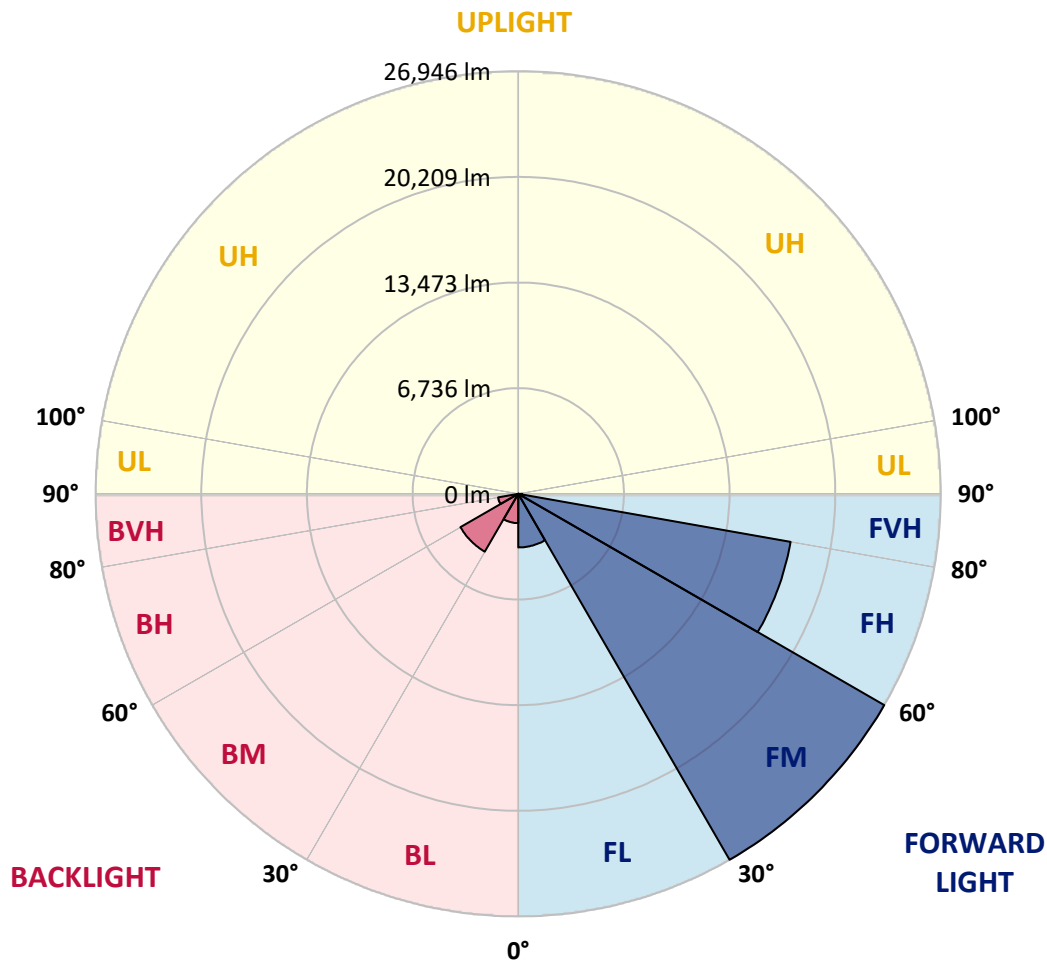


REPORT NUMBER: P850317  
 CATALOG NUMBER: GLAN-SB7D-735-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3420.4	6.1			
FM (30°-60°)	26945.7	48.4			
FH (60°-80°)	17632.1	31.7			G5
FVH (80°-90°)	249.6	0.4			G3/500
BL (0°-30°)	1870.0	3.4	B3/2500		
BM (30°-60°)	4258.1	7.6	B3/5000		
BH (60°-80°)	1307.3	2.3	B3/2500		G3/2500
BVH (80°-90°)	12.8	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 III Short



REPORT NUMBER: P850317  
 CATALOG NUMBER: GLAN-SB7D-735-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	6478.0	6478.0	6478.0	6478.0	6478.0	6478.0	6478.0	6478.0	6478.0	6478.0
2.5°	6455.6	6500.4	6489.2	6478.0	6474.3	6481.8	6485.5	6481.8	6481.8	6481.8
5°	6332.4	6369.7	6369.7	6395.9	6433.2	6478.0	6511.6	6519.1	6526.6	6537.8
7.5°	6097.2	6127.1	6149.5	6235.3	6328.7	6448.2	6549.0	6601.2	6608.7	6649.8
10°	5936.6	5974.0	6011.3	6100.9	6235.3	6414.5	6586.3	6713.2	6731.9	6829.0
12.5°	5929.2	5966.5	6015.0	6112.1	6268.9	6459.4	6668.4	6851.4	6885.0	7026.9
15°	6007.6	6052.4	6097.2	6216.7	6384.7	6616.2	6840.2	7068.0	7101.6	7303.2
17.5°	6168.1	6227.9	6261.5	6380.9	6560.2	6817.8	7112.8	7374.1	7404.0	7639.2
20°	6485.5	6556.4	6567.6	6664.7	6840.2	7116.5	7467.5	7792.3	7829.6	8098.5
22.5°	7142.6	7243.4	7153.8	7202.4	7359.2	7635.5	8016.3	8427.0	8479.3	8785.5
25°	8300.1	8442.0	8210.5	8128.3	8195.5	8483.0	8961.0	9479.9	9539.7	9786.1
27.5°	10573.9	10391.0	10040.0	9696.5	9494.9	9659.2	10196.8	10839.0	10913.7	11152.7
30°	13071.8	12911.2	12437.1	11675.4	11197.5	11171.3	11667.9	12384.8	12470.7	12698.4
32.5°	15573.4	15420.3	14905.1	13967.9	13139.0	12728.3	13071.8	13867.1	13911.9	14057.5
35°	18033.9	17877.1	17361.8	16402.3	15383.0	14449.5	14382.3	15278.4	15293.4	15446.4
37.5°	20509.4	20378.7	19829.8	18888.9	17884.6	16596.4	15972.9	16615.1	16633.8	16783.1
40°	22275.4	22331.4	21954.3	21226.3	20363.8	18956.2	17757.6	18037.7	17925.6	18175.8
42.5°	23791.3	23903.3	23574.8	23208.9	22708.6	21469.0	19968.0	19919.5	19740.2	19874.6
45°	25101.9	25195.2	24900.3	24814.4	24803.2	23933.2	22383.7	22092.5	21842.3	21816.2
47.5°	25583.5	25762.7	25889.7	26177.2	26737.2	26371.3	24881.6	24429.8	24149.8	23944.4
50°	25766.5	25956.9	26390.0	27226.4	28551.8	28708.7	27368.2	26860.5	26517.0	26143.6
52.5°	25520.1	25859.8	26442.3	27849.9	29772.8	30583.0	29754.1	29309.8	28917.7	28309.1
55°	24067.6	24407.4	25598.5	27842.4	30381.4	31897.3	32009.3	31811.4	31370.8	30411.2
57.5°	21006.0	21510.0	23395.6	26894.1	30370.2	33028.6	34219.6	34361.5	33868.7	32494.7
60°	16764.5	17447.7	19747.7	24792.0	29433.0	33640.9	36157.5	36866.9	36344.1	34548.2
62.5°	11697.8	12489.3	14666.1	21498.8	27289.8	33200.3	37572.5	38883.1	38487.3	36385.2
65°	7135.2	7389.1	9143.9	16917.5	23645.7	31355.9	38009.4	39973.3	39842.6	37509.1
67.5°	4753.0	4965.9	5469.9	11600.7	18355.0	27670.7	36963.9	39782.9	39820.2	37326.1
70°	2863.8	3046.7	3375.3	6746.9	11895.7	21902.1	33726.8	37356.0	37572.5	34880.5
72.5°	1179.9	1303.1	1601.8	3057.9	6160.7	13900.7	26856.7	32072.7	32576.8	29328.5
75°	668.3	731.8	940.9	1534.6	2673.4	6478.0	16267.9	22768.3	23511.3	20214.4
77.5°	444.3	474.2	608.6	993.2	1504.7	2210.4	6952.2	11862.1	13280.9	11040.6
80°	298.7	324.8	418.2	664.6	978.2	948.4	2214.1	4394.6	5406.4	3793.5
82.5°	201.6	205.4	298.7	436.8	619.8	459.2	653.4	1366.5	1717.5	1097.7
85°	115.7	112.0	220.3	253.9	276.3	190.4	197.9	410.7	537.7	463.0
87.5°	14.9	22.4	85.9	67.2	37.3	41.1	41.1	70.9	104.5	112.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850317  
 CATALOG NUMBER: GLAN-SB7D-735-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6478.0	0°	6478.0	6478.0	6478.0	6478.0	6478.0	6478.0	6478.0	6478.0	6478.0	6478.0
6485.5	2.5°	6485.5	6481.8	6470.6	6459.4	6433.2	6418.3	6425.8	6418.3	6414.5	6418.3
6534.0	5°	6534.0	6522.8	6493.0	6455.6	6403.3	6339.9	6298.8	6239.1	6183.1	6149.5
6664.7	7.5°	6664.7	6653.5	6612.4	6507.9	6339.9	6074.8	5832.1	5619.3	5458.7	5365.4
6873.8	10°	6873.8	6855.1	6791.7	6560.2	6119.6	5540.9	5059.2	4659.7	4398.3	4275.1
7120.2	12.5°	7120.2	7097.8	6985.8	6511.6	5701.4	4797.8	4133.2	3688.9	3446.2	3338.0
7404.0	15°	7411.5	7381.6	7161.3	6280.1	5092.8	3976.4	3367.8	3035.5	2878.7	2781.6
7766.2	17.5°	7773.6	7721.4	7292.0	5932.9	4431.9	3349.2	2897.4	2647.2	2509.1	2415.7
8240.3	20°	8244.1	8158.2	7396.5	5518.5	3823.3	2953.4	2580.0	2370.9	2266.4	2184.2
8912.4	22.5°	8901.2	8778.0	7523.5	5070.4	3394.0	2680.8	2344.8	2191.7	2105.8	2012.5
9849.6	25°	9715.2	9569.6	7680.3	4656.0	3099.0	2445.6	2173.0	2046.1	1945.3	1837.0
11078.0	27.5°	10854.0	10592.6	7867.0	4316.2	2845.1	2244.0	2016.2	1874.3	1758.6	1669.0
12470.7	30°	12123.4	11694.0	8031.3	4110.8	2613.6	2057.3	1810.9	1669.0	1560.7	1497.2
13721.5	32.5°	13325.7	12743.2	8139.5	4021.2	2404.5	1844.5	1586.8	1433.8	1351.6	1332.9
14946.1	35°	14460.7	13691.6	8128.3	3935.4	2217.8	1631.6	1366.5	1209.7	1146.3	1157.5
16264.1	37.5°	15767.5	14703.4	8049.9	3800.9	2064.8	1437.5	1176.1	1038.0	982.0	985.7
17865.9	40°	17287.2	15872.1	8001.4	3547.0	1896.7	1258.3	1019.3	907.3	866.2	851.3
19553.5	42.5°	18907.6	17003.4	8008.9	3259.5	1687.6	1097.7	911.0	817.7	780.3	769.1
21431.6	45°	20535.5	18082.5	8020.1	2960.8	1467.4	974.5	832.6	754.2	731.8	716.9
23335.8	47.5°	22066.3	19001.0	7811.0	2639.7	1250.8	881.2	769.1	716.9	698.2	679.5
25247.5	50°	23492.6	19613.3	7306.9	2266.4	1079.0	806.5	720.6	683.3	664.6	645.9
26979.9	52.5°	24601.6	19710.4	6474.3	1881.8	959.6	750.5	690.7	657.1	634.7	616.1
28380.1	55°	25094.4	19101.8	5290.7	1523.4	866.2	701.9	660.9	627.3	601.1	582.5
29481.5	57.5°	24967.5	17821.1	4125.8	1224.7	776.6	653.4	623.5	601.1	571.3	541.4
30373.9	60°	24343.9	16107.3	3110.2	1019.3	694.5	601.1	582.5	563.8	522.7	477.9
30717.4	62.5°	23264.9	13953.0	2217.8	843.8	604.9	541.4	533.9	519.0	459.2	377.1
30209.6	65°	21614.6	11335.6	1493.5	701.9	519.0	474.2	477.9	451.8	373.4	280.0
28350.2	67.5°	19202.6	8288.9	955.8	575.0	433.1	395.8	399.5	384.6	317.4	239.0
24825.6	70°	16129.7	5488.6	623.5	436.8	347.2	306.2	328.6	332.3	268.8	194.2
19053.2	72.5°	11824.7	3240.9	436.8	324.8	253.9	212.8	268.8	276.3	216.6	145.6
11462.6	75°	6739.4	1538.3	328.6	235.2	156.8	149.3	209.1	209.1	149.3	97.1
4962.1	77.5°	2830.2	642.2	231.5	153.1	89.6	85.9	141.9	130.7	74.7	44.8
1209.7	80°	817.7	287.5	123.2	74.7	37.3	33.6	56.0	41.1	18.7	7.5
459.2	82.5°	321.1	126.9	48.5	29.9	14.9	14.9	7.5	0.0	0.0	0.0
261.4	85°	190.4	52.3	22.4	11.2	3.7	0.0	0.0	0.0	0.0	0.0
56.0	87.5°	48.5	11.2	7.5	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°
6478.0
6433.2
6156.9
5369.1
4263.9
3326.8
2785.4
2408.3
2169.3
1997.5
1825.8
1650.3
1486.0
1344.1
1157.5
1000.6
847.6
765.4
716.9
679.5
645.9
612.3
578.7
537.7
470.5
369.6
272.6
227.8
186.7
138.1
89.6
44.8
7.5
0.0
0.0
0.0
0.0

F REPORT)