

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: P847595

Luminaire Tested: **GLAN-SB3D-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21878 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

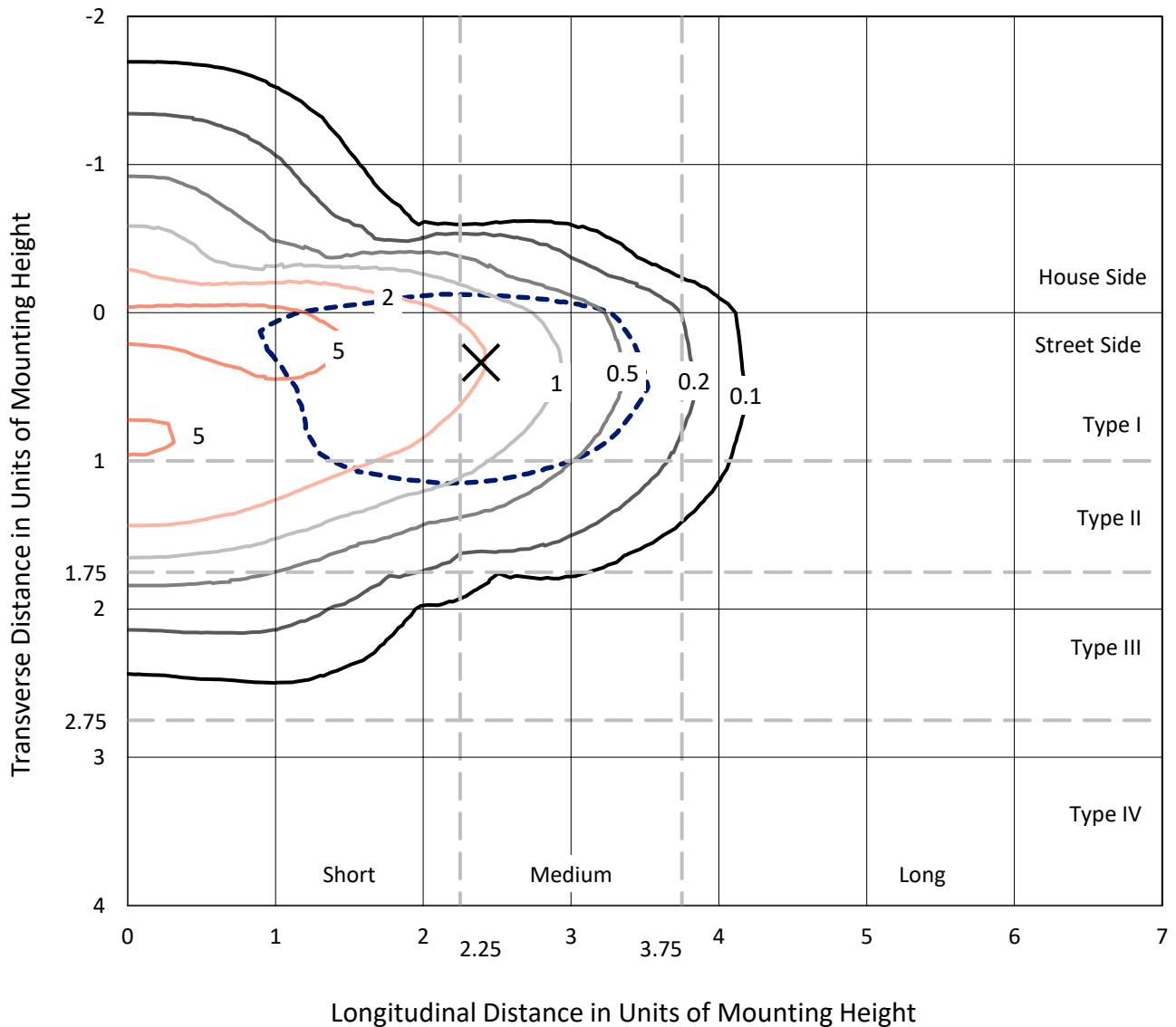
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847595
 CATALOG NUMBER: GLAN-SB3D-735-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

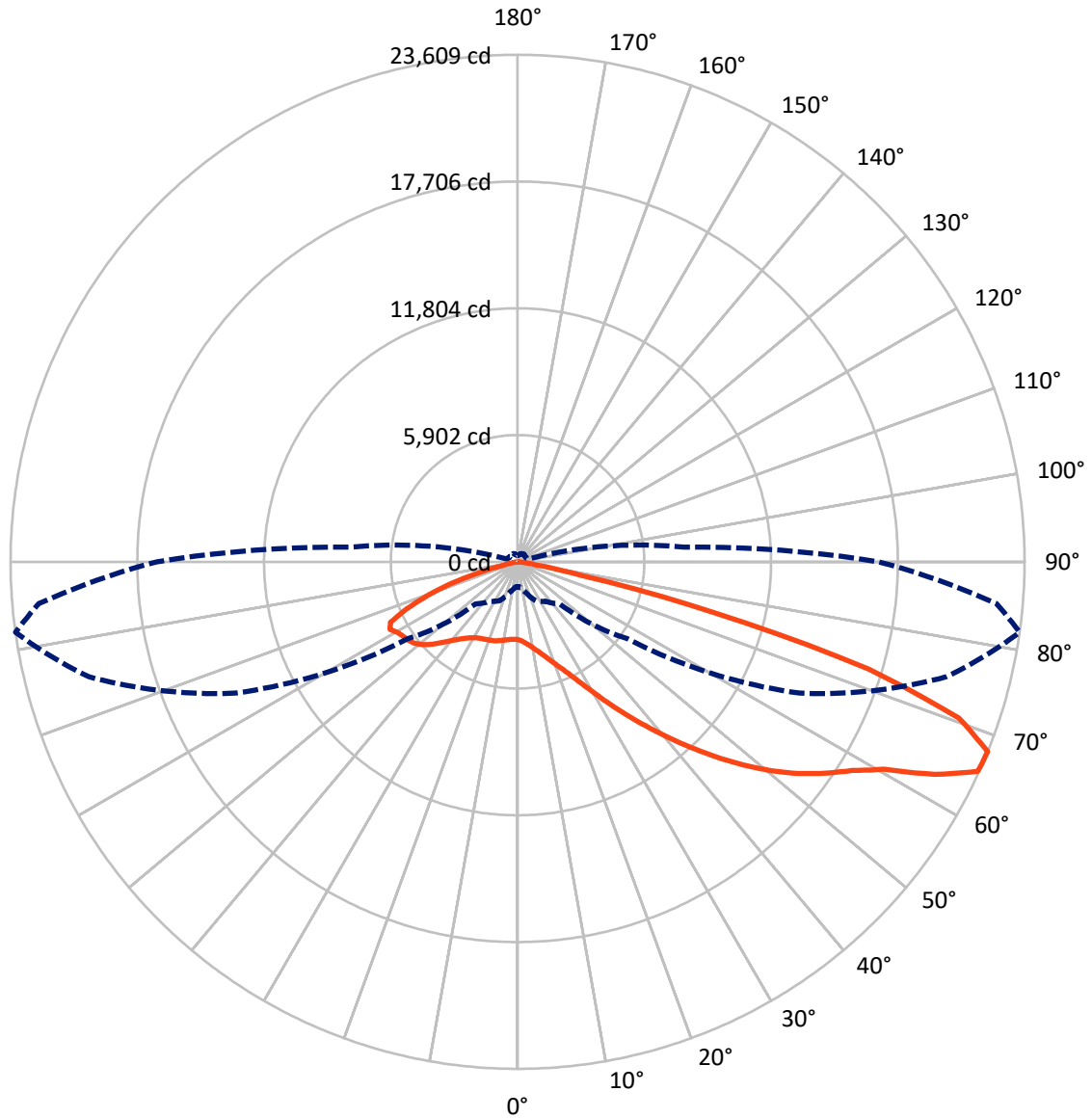
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P847595
CATALOG NUMBER: GLAN-SB3D-735-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P847595
 CATALOG NUMBER: GLAN-SB3D-735-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3963.0	0.0	3963.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	17915.0	0.0	17915.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	21878.0	0.0	21878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.9	1.5
10°-20°	839.1	3.8
20°-30°	1344.0	6.1
30°-40°	2376.6	10.9
40°-50°	4164.0	19.0
50°-60°	5553.7	25.4
60°-70°	5170.2	23.6
70°-80°	1984.3	9.1
80°-90°	123.3	0.6
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°	21878.0	100.0
0°-180°	21878.0	100.0

Coefficient of Utilization

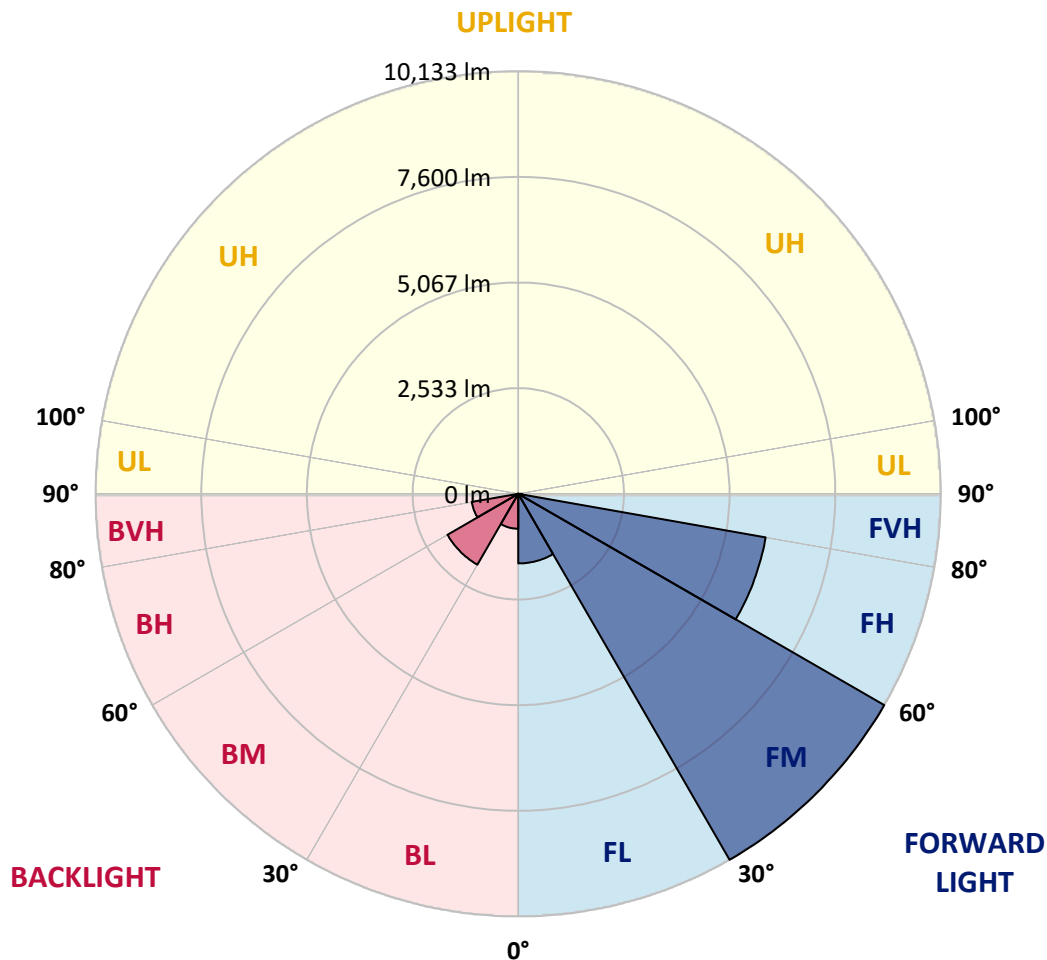


REPORT NUMBER: P847595
 CATALOG NUMBER: GLAN-SB3D-735-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1669.0	7.6			
FM (30°-60°)	10133.0	46.3			
FH (60°-80°)	6023.4	27.5			G3/7500
FVH (80°-90°)	89.6	0.4			G1/100
BL (0°-30°)	837.0	3.8	B2/1000		
BM (30°-60°)	1961.3	9.0	B2/2500		
BH (60°-80°)	1131.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	33.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



REPORT NUMBER: P847595
 CATALOG NUMBER: GLAN-SB3D-735-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3624.4	3624.4	3624.4	3624.4	3624.4	3624.4	3624.4	3624.4	3624.4	3624.4
2.5°	3830.8	3852.8	3840.2	3833.9	3822.9	3807.2	3794.6	3755.2	3714.2	3687.5
5°	3908.0	3930.0	3928.5	3934.8	3942.6	3947.4	3944.2	3900.1	3841.8	3796.1
7.5°	3841.8	3867.0	3887.5	3919.0	3974.1	4032.4	4060.8	4051.3	3991.5	3928.5
10°	3654.4	3681.1	3730.0	3804.0	3920.6	4046.6	4152.1	4201.0	4163.1	4093.8
12.5°	3311.0	3337.8	3433.8	3594.5	3789.8	4008.8	4210.4	4341.1	4350.6	4281.3
15°	2925.1	2951.9	3054.2	3255.9	3553.6	3904.8	4241.9	4489.2	4572.7	4512.8
17.5°	2685.6	2709.3	2786.5	2948.7	3259.0	3696.9	4230.9	4646.7	4837.3	4790.1
20°	2613.2	2633.7	2669.9	2783.3	3041.6	3481.1	4158.4	4794.8	5122.4	5095.6
22.5°	2690.4	2709.3	2720.3	2770.7	2932.9	3339.3	4067.1	4946.0	5453.2	5456.4
25°	2868.4	2887.3	2874.7	2906.2	2977.1	3295.2	4032.4	5124.0	5869.0	5903.7
27.5°	3161.3	3162.9	3133.0	3131.4	3142.4	3361.4	4068.6	5314.6	6393.6	6458.2
30°	3748.9	3725.3	3610.3	3485.8	3429.1	3559.9	4169.4	5539.8	7012.6	7127.6
32.5°	4654.6	4619.9	4408.9	4111.2	3811.9	3879.6	4350.6	5796.6	7686.8	7894.7
35°	5637.5	5628.0	5407.5	4964.9	4442.0	4334.8	4645.1	6133.7	8422.4	8753.2
37.5°	6551.1	6546.4	6420.4	5899.0	5262.6	4969.6	5117.7	6574.7	9210.0	9688.8
40°	7385.9	7400.1	7274.1	6807.8	6166.8	5784.0	5760.4	7119.7	10085.8	10707.9
42.5°	8107.4	8123.1	7995.5	7650.6	7059.9	6685.0	6549.5	7787.6	10941.1	11802.7
45°	8597.2	8694.9	8676.0	8400.3	7976.6	7587.5	7497.8	8625.6	11916.1	12963.6
47.5°	8735.8	8825.6	8967.4	9005.2	8746.9	8364.1	8471.2	9635.3	12902.1	14126.0
50°	8394.0	8477.5	8772.1	9164.3	9343.9	9225.7	9417.9	10717.4	13911.8	15285.4
52.5°	7719.9	7804.9	8176.7	8797.3	9529.7	9901.5	10367.7	11783.8	14890.0	16383.2
55°	6744.8	6834.6	7311.9	8014.4	9175.3	10180.3	11160.0	12848.6	15786.3	17370.9
57.5°	5418.6	5484.7	5980.9	6963.8	8283.8	9903.0	11744.4	14011.1	16630.5	18341.2
60°	3531.5	3589.8	4166.3	5262.6	6806.3	8976.8	11861.0	15307.4	17752.1	19602.9
62.5°	2348.6	2387.9	2729.8	3534.7	4793.2	7198.5	11178.9	16342.3	19396.5	21798.6
65°	1611.4	1650.8	1992.6	2553.3	3096.8	4761.7	9217.8	16205.3	20886.6	23542.3
67.5°	1149.9	1182.9	1472.8	2002.0	2241.5	2766.0	6248.7	14453.7	20672.4	23608.5
70°	823.8	842.7	1082.1	1559.4	1781.5	1661.8	3474.8	11054.5	18100.2	21800.2
72.5°	576.5	582.8	751.4	1187.7	1435.0	1212.9	1653.9	7370.2	13689.7	17111.0
75°	390.6	398.5	505.6	871.1	1151.4	926.2	875.8	3952.1	8036.5	9471.4
77.5°	239.4	242.6	326.1	595.4	861.6	705.7	563.9	1674.4	3109.4	3052.7
80°	135.5	135.5	207.9	370.2	587.5	455.2	395.4	712.0	984.5	864.8
82.5°	75.6	77.2	151.2	230.0	389.1	269.4	217.4	329.2	425.3	376.5
85°	31.5	34.7	92.9	108.7	185.9	133.9	88.2	138.6	157.5	140.2
87.5°	3.2	4.7	28.4	20.5	22.1	26.8	12.6	26.8	22.1	22.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847595
 CATALOG NUMBER: GLAN-SB3D-735-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3624.4	0°	3624.4	3624.4	3624.4	3624.4	3624.4	3624.4	3624.4	3624.4	3624.4	3624.4
3678.0	2.5°	3648.1	3624.4	3564.6	3495.3	3403.9	3359.8	3300.0	3259.0	3224.4	3227.5
3769.4	5°	3719.0	3659.1	3525.2	3358.2	3150.3	3002.3	2844.7	2736.1	2647.8	2628.9
3895.4	7.5°	3816.6	3722.1	3487.4	3186.5	2835.3	2569.1	2331.2	2178.4	2069.8	2035.1
4048.2	10°	3942.6	3805.6	3438.6	2970.8	2465.1	2126.5	1871.3	1751.6	1677.5	1652.3
4227.7	12.5°	4089.1	3901.7	3374.0	2707.7	2083.9	1757.9	1595.6	1535.8	1512.2	1504.3
4448.3	15°	4273.4	4021.4	3276.3	2395.8	1761.0	1532.6	1463.3	1455.4	1458.6	1455.4
4712.9	17.5°	4492.4	4152.1	3117.2	2074.5	1543.7	1417.6	1392.4	1398.7	1406.6	1405.0
5009.0	20°	4731.8	4281.3	2914.0	1789.4	1395.6	1335.7	1321.6	1327.9	1334.2	1331.0
5350.8	22.5°	5004.3	4419.9	2688.8	1567.3	1296.4	1260.1	1244.4	1246.0	1246.0	1239.7
5784.0	25°	5330.3	4572.7	2452.5	1409.8	1220.7	1192.4	1173.5	1167.2	1157.7	1138.8
6310.1	27.5°	5719.4	4734.9	2225.7	1299.5	1160.9	1134.1	1112.1	1096.3	1072.7	1041.2
6941.7	30°	6157.3	4931.8	2033.5	1230.2	1113.6	1086.9	1061.7	1038.0	1003.4	964.0
7667.9	32.5°	6672.4	5142.9	1893.3	1184.5	1071.1	1042.8	1012.8	984.5	946.7	907.3
8483.8	35°	7286.7	5398.1	1811.4	1153.0	1038.0	1000.2	967.1	935.6	907.3	872.6
9370.6	37.5°	7953.0	5669.0	1786.2	1137.3	1016.0	957.7	919.9	897.8	894.7	874.2
10329.9	40°	8682.3	5990.3	1805.1	1127.8	992.4	916.7	875.8	871.1	878.9	842.7
11355.3	42.5°	9454.1	6371.5	1836.6	1116.8	959.3	875.8	836.4	836.4	830.1	779.7
12439.0	45°	10288.9	6811.0	1868.1	1090.0	919.9	834.8	804.9	793.9	767.1	718.3
13529.1	47.5°	11130.1	7258.3	1891.8	1041.2	872.6	800.2	773.4	748.2	708.8	664.7
14598.6	50°	11928.7	7660.0	1866.6	968.7	819.1	767.1	738.8	704.1	661.6	631.6
15611.4	52.5°	12642.2	8008.1	1759.5	883.7	762.4	732.4	707.2	671.0	636.4	604.9
16525.0	55°	13262.9	8290.1	1570.4	803.3	712.0	702.5	677.3	631.6	584.4	557.6
17430.7	57.5°	13858.3	8504.3	1334.2	737.2	666.3	669.4	631.6	590.7	546.6	518.2
18651.5	60°	14650.6	8791.0	1094.7	675.7	617.5	626.9	586.0	556.0	500.9	464.7
20744.9	62.5°	15917.0	9236.7	869.5	600.1	560.8	563.9	546.6	510.4	444.2	401.7
22296.4	65°	16921.9	9072.9	685.2	518.2	496.2	500.9	500.9	461.5	390.6	341.8
22379.9	67.5°	16808.5	7768.7	546.6	437.9	434.7	437.9	448.9	415.8	346.5	307.2
20675.6	70°	15483.8	6179.4	437.9	363.9	378.0	370.2	401.7	379.6	311.9	272.5
16028.8	72.5°	12634.4	4451.4	333.9	300.9	289.8	302.4	362.3	341.8	259.9	215.8
8490.1	75°	7382.8	2375.3	248.9	237.8	209.5	252.0	321.3	291.4	198.5	159.1
2602.2	77.5°	2403.7	828.5	182.7	174.8	155.9	203.2	274.1	245.7	162.2	126.0
762.4	80°	644.2	250.5	124.4	115.0	100.8	151.2	217.4	195.3	116.6	81.9
327.6	82.5°	258.3	105.5	72.5	64.6	55.1	104.0	171.7	157.5	86.6	52.0
102.4	85°	83.5	34.7	26.8	20.5	25.2	64.6	102.4	107.1	61.4	26.8
15.8	87.5°	11.0	4.7	4.7	6.3	4.7	11.0	31.5	29.9	17.3	3.2
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°
3624.4
3196.0
2586.4
2000.5
1633.4
1499.6
1453.9
1401.9
1329.4
1236.5
1135.7
1038.0
960.8
908.9
869.5
872.6
844.3
779.7
716.7
663.1
626.9
601.7
554.5
515.1
459.9
398.5
337.1
300.9
267.8
211.1
154.4
121.3
80.3
52.0
20.5
0.0
0.0

F REPORT)