

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: P849297

Luminaire Tested: **GLAN-SB6B-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849297
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-SB6B-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA 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: 26280 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

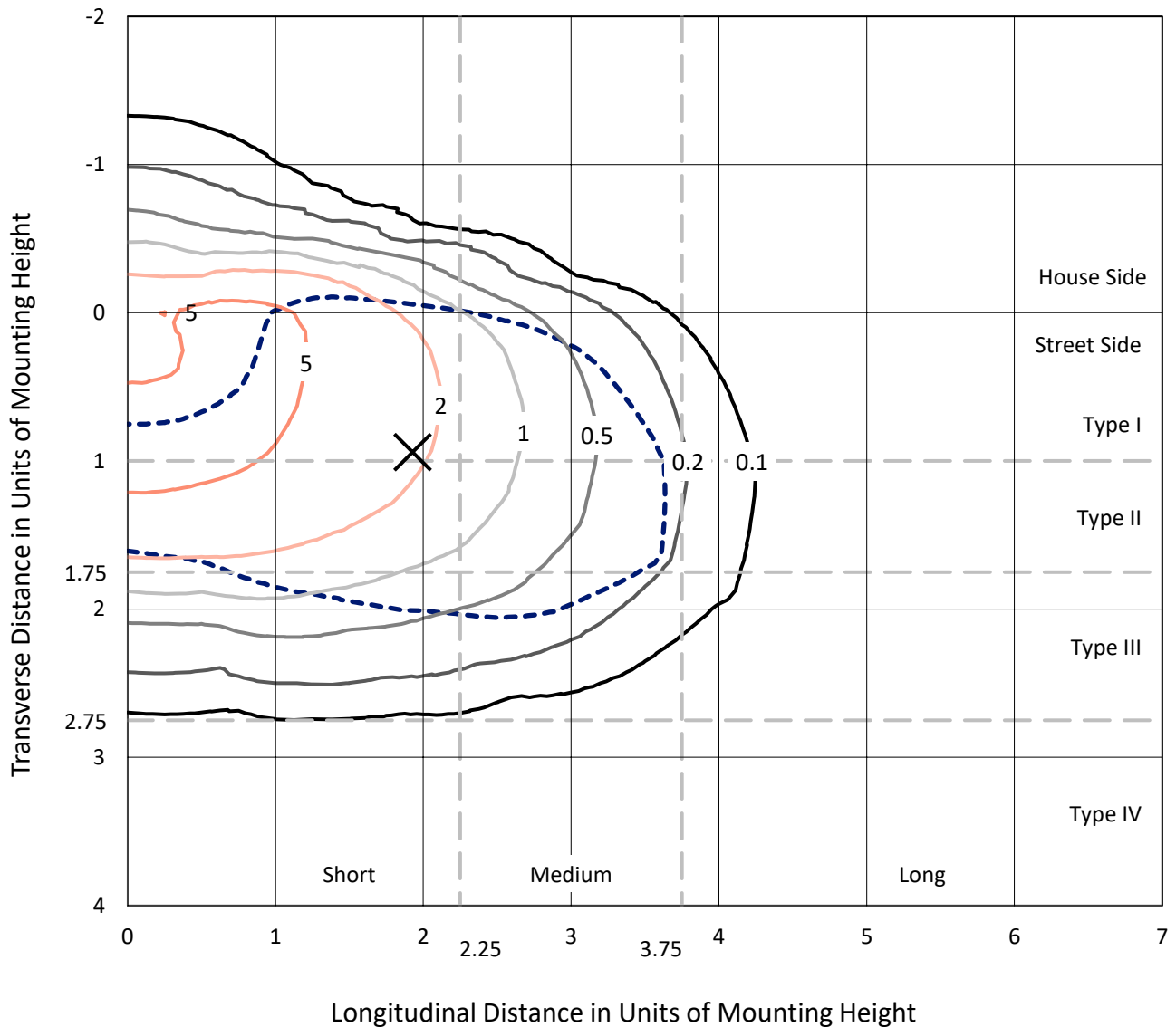
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849297
 CATALOG NUMBER: GLAN-SB6B-735-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

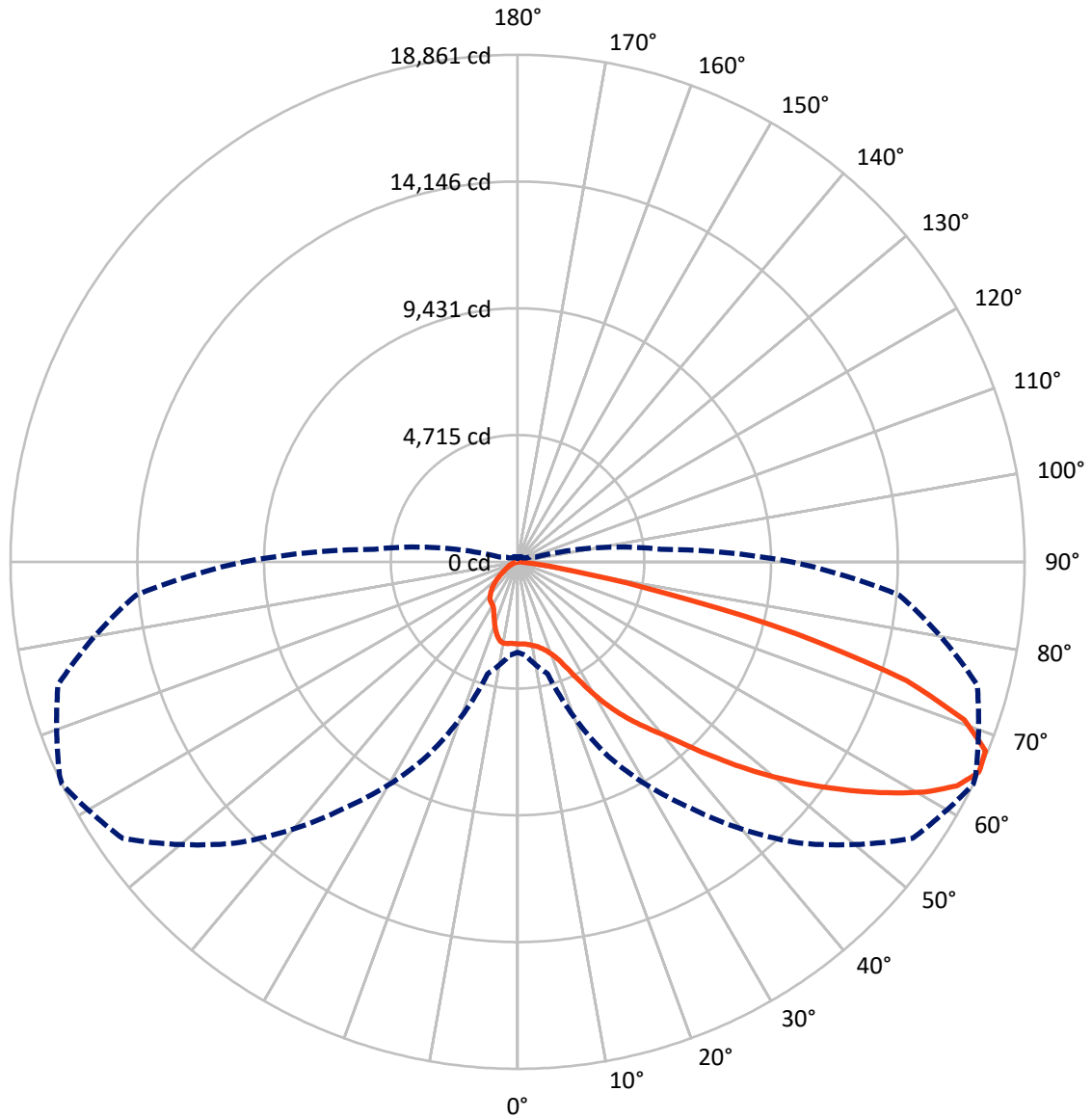
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P849297
CATALOG NUMBER: GLAN-SB6B-735-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849297
 CATALOG NUMBER: GLAN-SB6B-735-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3514.4	0.0	3514.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22765.6	0.0	22765.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	26280.0	0.0	26280.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.0	1.1
10°-20°	764.9	2.9
20°-30°	1449.4	5.5
30°-40°	2932.9	11.2
40°-50°	4996.2	19.0
50°-60°	6794.4	25.9
60°-70°	6380.3	24.3
70°-80°	2556.2	9.7
80°-90°	123.8	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°	26280.0	100.0
0°-180°	26280.0	100.0

Coefficient of Utilization

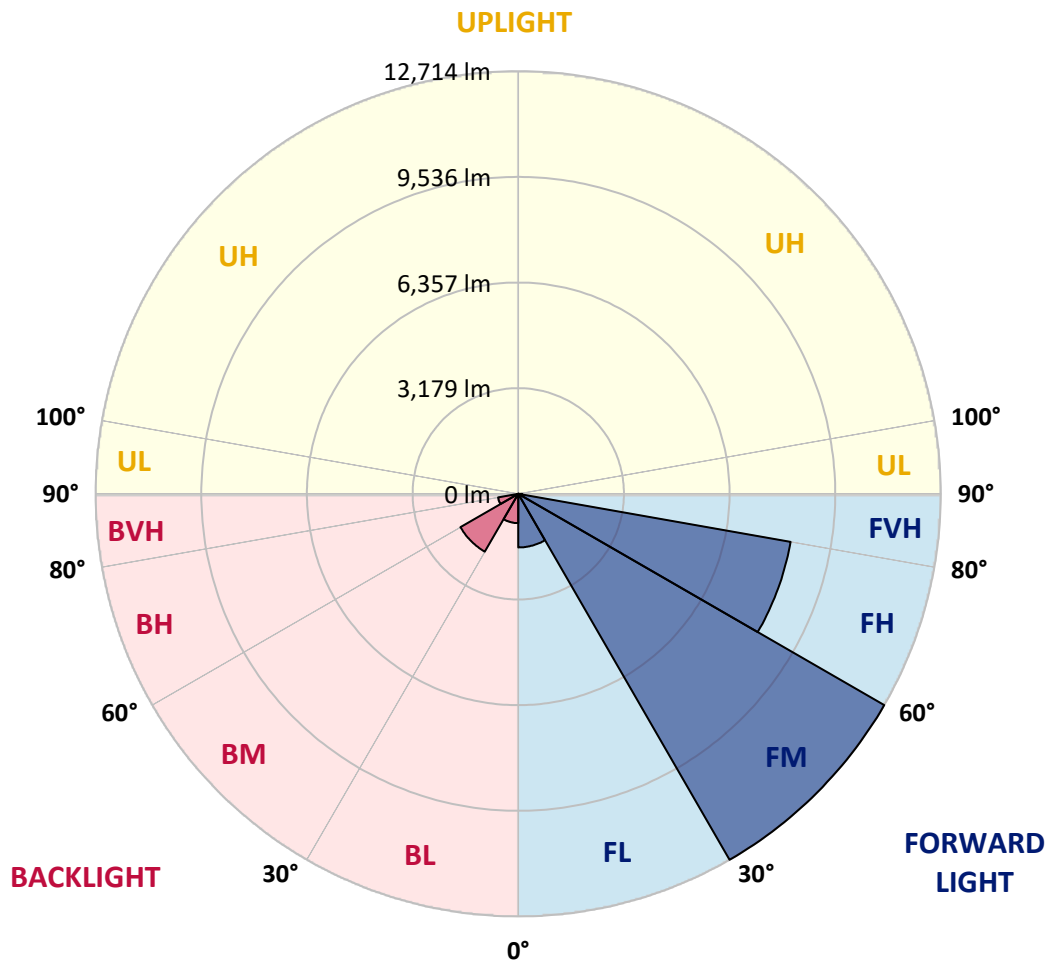


REPORT NUMBER: P849297
 CATALOG NUMBER: GLAN-SB6B-735-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1613.9	6.1			
FM (30°-60°)	12714.2	48.4			
FH (60°-80°)	8319.7	31.7			G4/12000
FVH (80°-90°)	117.8	0.4			G2/225
BL (0°-30°)	882.4	3.4	B2/1000		
BM (30°-60°)	2009.2	7.6	B2/2500		
BH (60°-80°)	616.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type III Short



REPORT NUMBER: P849297
 CATALOG NUMBER: GLAN-SB6B-735-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3056.6	3056.6	3056.6	3056.6	3056.6	3056.6	3056.6	3056.6	3056.6	3056.6
2.5°	3046.1	3067.2	3061.9	3056.6	3054.9	3058.4	3060.2	3058.4	3058.4	3058.4
5°	2987.9	3005.5	3005.5	3017.9	3035.5	3056.6	3072.5	3076.0	3079.5	3084.8
7.5°	2876.9	2891.0	2901.6	2942.1	2986.2	3042.5	3090.1	3114.8	3118.3	3137.7
10°	2801.2	2818.8	2836.4	2878.7	2942.1	3026.7	3107.7	3167.6	3176.4	3222.2
12.5°	2797.7	2815.3	2838.2	2884.0	2958.0	3047.8	3146.5	3232.8	3248.7	3315.6
15°	2834.7	2855.8	2876.9	2933.3	3012.6	3121.8	3227.5	3335.0	3350.8	3446.0
17.5°	2910.4	2938.6	2954.5	3010.8	3095.4	3217.0	3356.1	3479.5	3493.6	3604.5
20°	3060.2	3093.6	3098.9	3144.7	3227.5	3357.9	3523.5	3676.8	3694.4	3821.2
22.5°	3370.2	3417.8	3375.5	3398.4	3472.4	3602.8	3782.5	3976.3	4000.9	4145.4
25°	3916.4	3983.3	3874.1	3835.3	3867.0	4002.7	4228.2	4473.1	4501.3	4617.5
27.5°	4989.3	4903.0	4737.3	4575.3	4480.1	4557.6	4811.3	5114.4	5149.6	5262.3
30°	6167.9	6092.1	5868.4	5509.0	5283.5	5271.2	5505.5	5843.7	5884.2	5991.7
32.5°	7348.3	7276.0	7032.9	6590.7	6199.6	6005.8	6167.9	6543.1	6564.3	6633.0
35°	8509.3	8435.3	8192.1	7739.4	7258.4	6818.0	6786.3	7209.1	7216.1	7288.4
37.5°	9677.3	9615.6	9356.7	8912.7	8438.8	7831.0	7536.8	7839.8	7848.6	7919.1
40°	10510.6	10537.0	10359.1	10015.6	9608.6	8944.4	8378.9	8511.0	8458.2	8576.2
42.5°	11225.9	11278.7	11123.7	10951.0	10715.0	10130.1	9421.8	9398.9	9314.4	9377.8
45°	11844.2	11888.3	11749.1	11708.6	11703.3	11292.8	10561.7	10424.3	10306.2	10293.9
47.5°	12071.5	12156.1	12216.0	12351.6	12615.9	12443.2	11740.3	11527.1	11395.0	11298.1
50°	12157.8	12247.7	12452.1	12846.7	13472.1	13546.1	12913.6	12674.0	12512.0	12335.8
52.5°	12041.6	12201.9	12476.7	13140.9	14048.2	14430.5	14039.4	13829.7	13644.8	13357.6
55°	11356.2	11516.6	12078.6	13137.4	14335.4	15050.6	15103.5	15010.1	14802.2	14349.5
57.5°	9911.6	10149.4	11039.1	12689.9	14330.1	15584.4	16146.4	16213.4	15980.8	15332.5
60°	7910.3	8232.7	9317.9	11698.0	13887.9	15873.4	17060.8	17395.5	17148.9	16301.5
62.5°	5519.6	5893.1	6920.2	10144.2	12876.6	15665.5	17728.5	18346.9	18160.1	17168.3
65°	3366.7	3486.5	4314.5	7982.5	11157.2	14795.2	17934.6	18861.3	18799.6	17698.5
67.5°	2242.7	2343.1	2581.0	5473.8	8660.8	13056.3	17441.3	18771.5	18789.1	17612.2
70°	1351.3	1437.6	1592.6	3183.5	5612.9	10334.4	15913.9	17626.3	17728.5	16458.3
72.5°	556.7	614.9	755.8	1442.9	2906.9	6559.0	12672.3	15133.4	15371.3	13838.5
75°	315.4	345.3	444.0	724.1	1261.4	3056.6	7675.9	10743.2	11093.7	9538.1
77.5°	209.6	223.7	287.2	468.6	710.0	1043.0	3280.4	5597.1	6266.5	5209.5
80°	140.9	153.3	197.3	313.6	461.6	447.5	1044.7	2073.6	2551.0	1789.9
82.5°	95.1	96.9	140.9	206.1	292.5	216.7	308.3	644.8	810.4	518.0
85°	54.6	52.9	103.9	119.8	130.4	89.8	93.4	193.8	253.7	218.5
87.5°	7.0	10.6	40.5	31.7	17.6	19.4	19.4	33.5	49.3	52.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849297
 CATALOG NUMBER: GLAN-SB6B-735-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3056.6	0°	3056.6	3056.6	3056.6	3056.6	3056.6	3056.6	3056.6	3056.6	3056.6	3056.6
3060.2	2.5°	3060.2	3058.4	3053.1	3047.8	3035.5	3028.4	3032.0	3028.4	3026.7	3028.4
3083.1	5°	3083.1	3077.8	3063.7	3046.1	3021.4	2991.5	2972.1	2943.9	2917.5	2901.6
3144.7	7.5°	3144.7	3139.4	3120.1	3070.7	2991.5	2866.4	2751.9	2651.4	2575.7	2531.6
3243.4	10°	3243.4	3234.6	3204.6	3095.4	2887.5	2614.4	2387.2	2198.7	2075.3	2017.2
3359.7	12.5°	3359.7	3349.1	3296.2	3072.5	2690.2	2263.8	1950.3	1740.6	1626.1	1575.0
3493.6	15°	3497.1	3483.0	3379.0	2963.3	2403.0	1876.3	1589.1	1432.3	1358.3	1312.5
3664.4	17.5°	3668.0	3643.3	3440.7	2799.4	2091.2	1580.3	1367.1	1249.1	1183.9	1139.9
3888.2	20°	3889.9	3849.4	3490.0	2603.9	1804.0	1393.5	1217.4	1118.7	1069.4	1030.6
4205.3	22.5°	4200.0	4141.9	3549.9	2392.5	1601.4	1264.9	1106.4	1034.1	993.6	949.6
4647.5	25°	4584.1	4515.4	3623.9	2196.9	1462.3	1153.9	1025.3	965.4	917.9	866.8
5227.1	27.5°	5121.4	4998.1	3712.0	2036.6	1342.5	1058.8	951.3	884.4	829.8	787.5
5884.2	30°	5720.4	5517.8	3789.5	1939.7	1233.2	970.7	854.4	787.5	736.4	706.5
6474.4	32.5°	6287.7	6012.9	3840.6	1897.4	1134.6	870.3	748.7	676.5	637.8	628.9
7052.3	35°	6823.3	6460.3	3835.3	1856.9	1046.5	769.9	644.8	570.8	540.9	546.1
7674.2	37.5°	7439.9	6937.8	3798.3	1793.5	974.2	678.3	555.0	489.8	463.3	465.1
8430.0	40°	8156.9	7489.2	3775.4	1673.7	895.0	593.7	481.0	428.1	408.7	401.7
9226.3	42.5°	8921.5	8023.0	3779.0	1538.0	796.3	518.0	429.9	385.8	368.2	362.9
10112.4	45°	9689.6	8532.2	3784.2	1397.1	692.4	459.8	392.9	355.9	345.3	338.3
11010.9	47.5°	10411.9	8965.5	3685.6	1245.6	590.2	415.8	362.9	338.3	329.4	320.6
11913.0	50°	11084.9	9254.5	3447.7	1069.4	509.1	380.5	340.0	322.4	313.6	304.8
12730.4	52.5°	11608.2	9300.3	3054.9	887.9	452.8	354.1	325.9	310.1	299.5	290.7
13391.1	55°	11840.7	9013.1	2496.4	718.8	408.7	331.2	311.8	296.0	283.6	274.8
13910.8	57.5°	11780.8	8408.8	1946.7	577.9	366.4	308.3	294.2	283.6	269.5	255.5
14331.8	60°	11486.6	7600.2	1467.5	481.0	327.7	283.6	274.8	266.0	246.6	225.5
14493.9	62.5°	10977.5	6583.7	1046.5	398.2	285.4	255.5	251.9	244.9	216.7	177.9
14254.3	65°	10198.8	5348.7	704.7	331.2	244.9	223.7	225.5	213.2	176.2	132.1
13377.0	67.5°	9060.7	3911.1	451.0	271.3	204.4	186.7	188.5	181.5	149.7	112.8
11713.9	70°	7610.8	2589.8	294.2	206.1	163.8	144.5	155.0	156.8	126.8	91.6
8990.2	72.5°	5579.5	1529.2	206.1	153.3	119.8	100.4	126.8	130.4	102.2	68.7
5408.6	75°	3180.0	725.8	155.0	111.0	74.0	70.5	98.7	98.7	70.5	45.8
2341.4	77.5°	1335.4	303.0	109.2	72.2	42.3	40.5	66.9	61.7	35.2	21.1
570.8	80°	385.8	135.7	58.1	35.2	17.6	15.9	26.4	19.4	8.8	3.5
216.7	82.5°	151.5	59.9	22.9	14.1	7.0	7.0	3.5	0.0	0.0	0.0
123.3	85°	89.8	24.7	10.6	5.3	1.8	0.0	0.0	0.0	0.0	0.0
26.4	87.5°	22.9	5.3	3.5	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°
3056.6
3035.5
2905.1
2533.4
2011.9
1569.7
1314.3
1136.3
1023.6
942.5
861.5
778.7
701.2
634.2
546.1
472.1
399.9
361.2
338.3
320.6
304.8
288.9
273.1
253.7
222.0
174.4
128.6
107.5
88.1
65.2
42.3
21.1
3.5
0.0
0.0
0.0
0.0

F REPORT)