

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: P848617

Luminaire Tested: **GLAN-SB5B-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848617
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-SB5B-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 21892 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

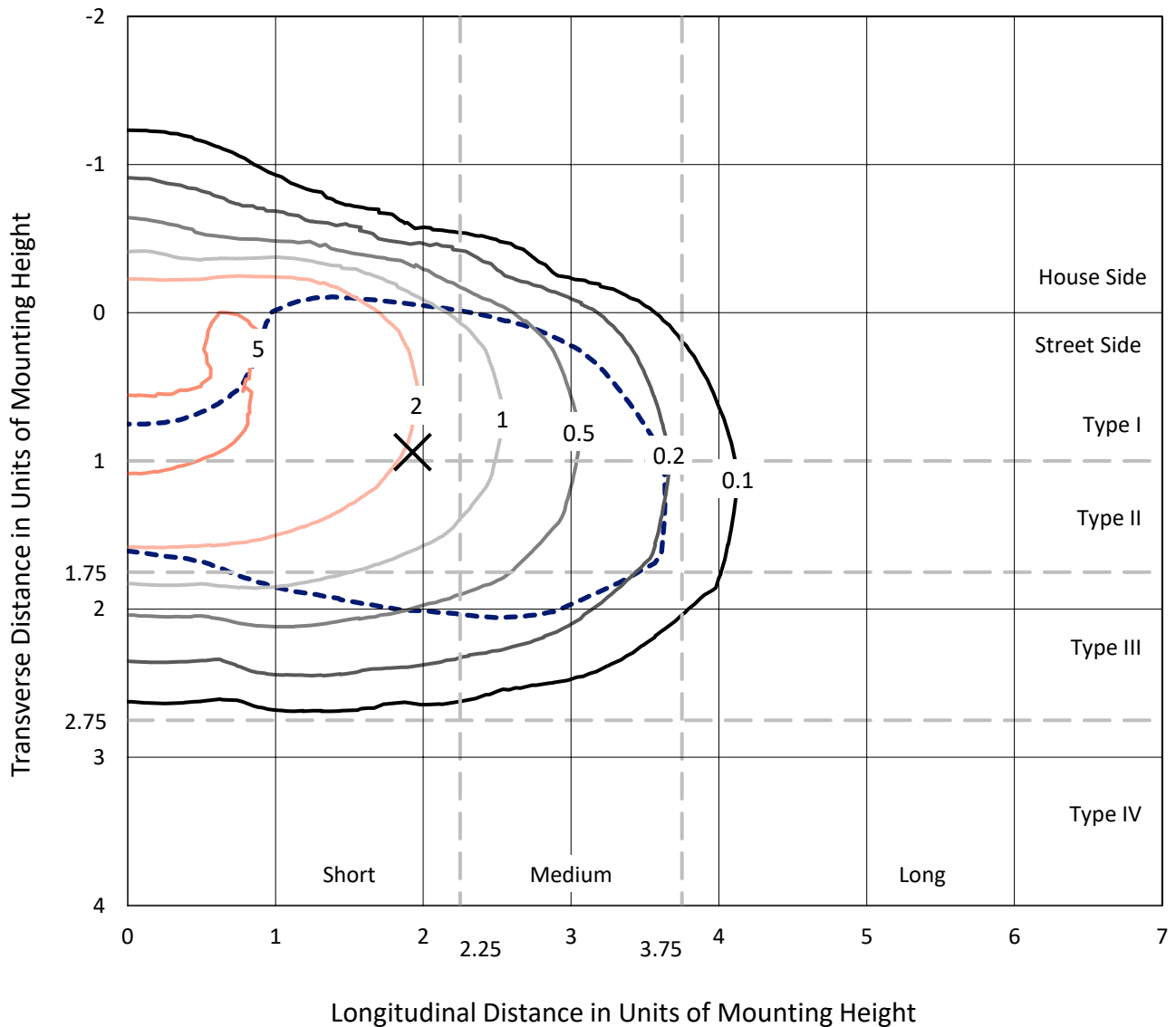
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848617
 CATALOG NUMBER: GLAN-SB5B-735-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

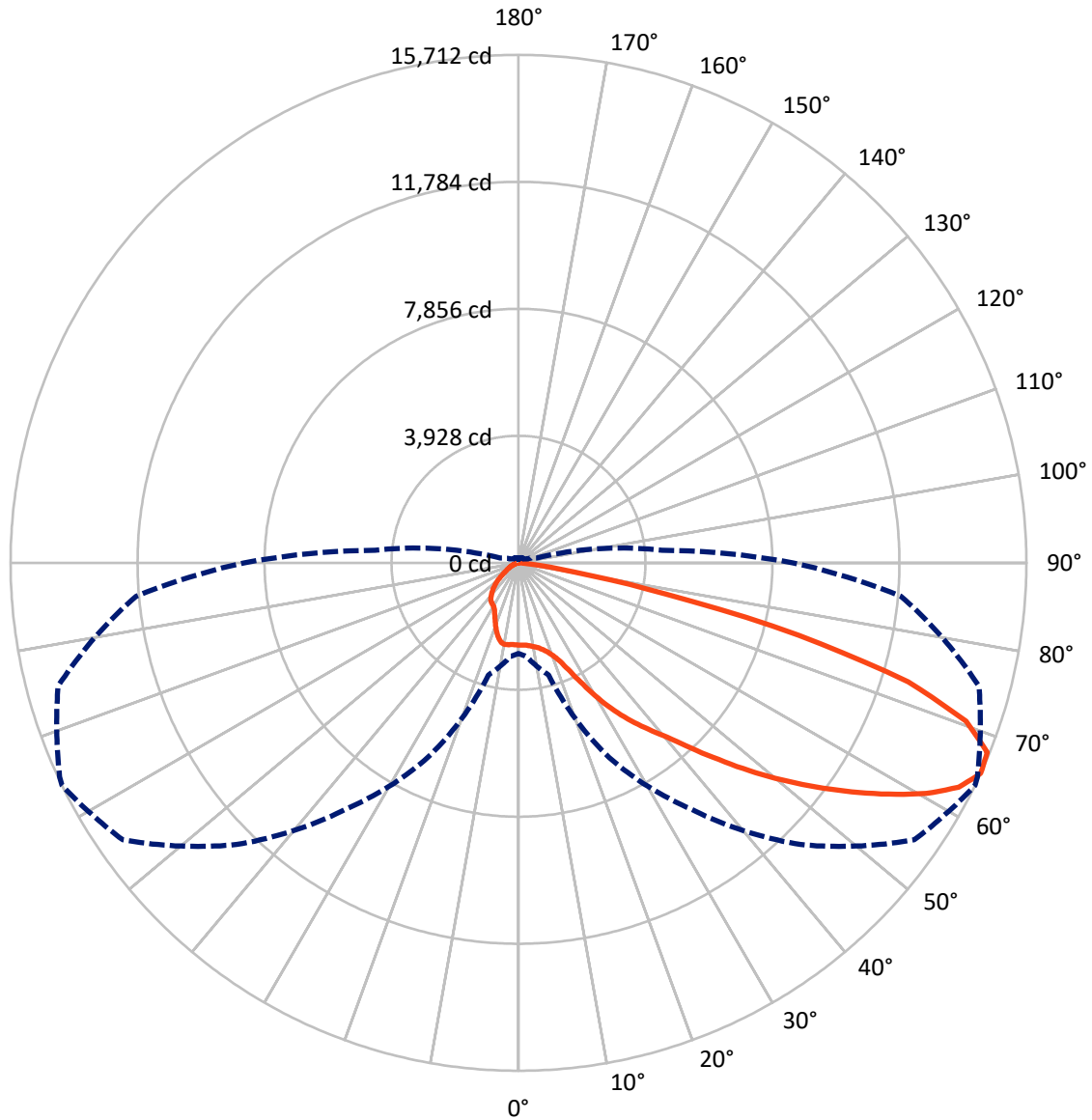
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

REPORT NUMBER: P848617
CATALOG NUMBER: GLAN-SB5B-735-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848617
 CATALOG NUMBER: GLAN-SB5B-735-U-T3-HSS

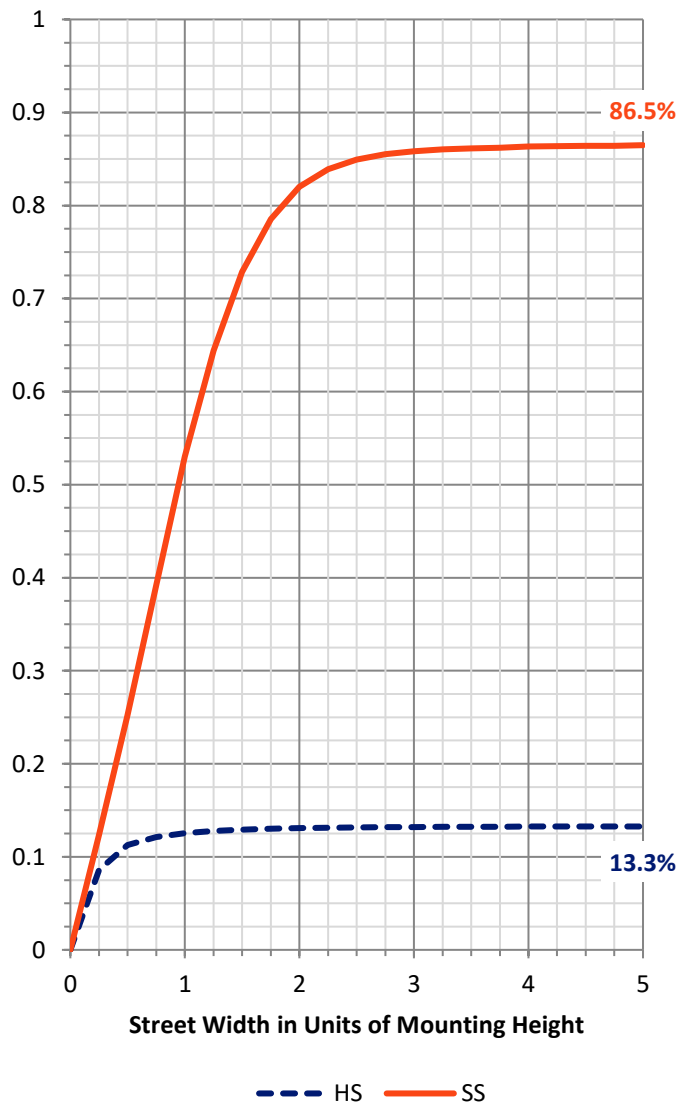
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2927.6	0.0	2927.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	18964.4	0.0	18964.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	21892.0	0.0	21892.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.9	1.1
10°-20°	637.2	2.9
20°-30°	1207.4	5.5
30°-40°	2443.2	11.2
40°-50°	4161.9	19.0
50°-60°	5659.9	25.9
60°-70°	5315.0	24.3
70°-80°	2129.4	9.7
80°-90°	103.2	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°	21892.0	100.0
0°-180°	21892.0	100.0

Coefficient of Utilization



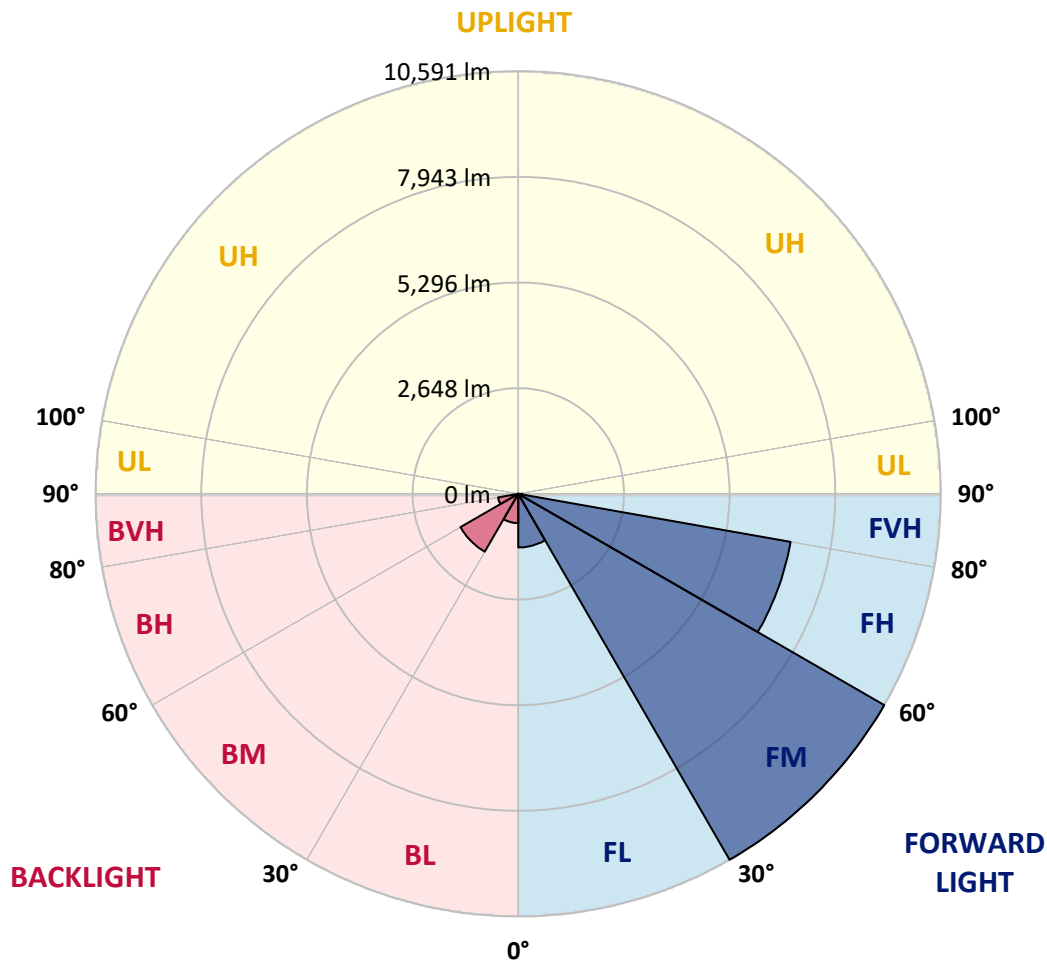
REPORT NUMBER: P848617
 CATALOG NUMBER: GLAN-SB5B-735-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1344.4	6.1			
FM (30°-60°)	10591.3	48.4			
FH (60°-80°)	6930.5	31.7			G3/7500
FVH (80°-90°)	98.1	0.4			G1/100
BL (0°-30°)	735.0	3.4	B2/1000		
BM (30°-60°)	1673.7	7.6	B2/2500		
BH (60°-80°)	513.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.0	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-G3

Type III Short



REPORT NUMBER: P848617
 CATALOG NUMBER: GLAN-SB5B-735-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3
2.5°	2537.5	2555.1	2550.7	2546.3	2544.8	2547.7	2549.2	2547.7	2547.7	2547.7
5°	2489.0	2503.7	2503.7	2514.0	2528.7	2546.3	2559.5	2562.4	2565.3	2569.7
7.5°	2396.6	2408.3	2417.1	2450.9	2487.6	2534.5	2574.2	2594.7	2597.6	2613.8
10°	2333.5	2348.1	2362.8	2398.0	2450.9	2521.3	2588.8	2638.7	2646.1	2684.2
12.5°	2330.5	2345.2	2364.3	2402.4	2464.1	2538.9	2621.1	2693.0	2706.2	2762.0
15°	2361.4	2379.0	2396.6	2443.5	2509.6	2600.6	2688.6	2778.1	2791.4	2870.6
17.5°	2424.5	2447.9	2461.1	2508.1	2578.6	2679.8	2795.8	2898.5	2910.2	3002.7
20°	2549.2	2577.1	2581.5	2619.6	2688.6	2797.2	2935.2	3062.9	3077.5	3183.2
22.5°	2807.5	2847.1	2811.9	2831.0	2892.6	3001.2	3150.9	3312.3	3332.9	3453.2
25°	3262.5	3318.2	3227.2	3194.9	3221.4	3334.4	3522.2	3726.2	3749.7	3846.6
27.5°	4156.2	4084.3	3946.3	3811.3	3732.1	3796.7	4008.0	4260.4	4289.8	4383.7
30°	5138.0	5074.9	4888.5	4589.2	4401.3	4391.0	4586.2	4868.0	4901.7	4991.3
32.5°	6121.3	6061.1	5858.6	5490.3	5164.4	5003.0	5138.0	5450.6	5468.2	5525.5
35°	7088.5	7026.8	6824.3	6447.1	6046.5	5679.6	5653.2	6005.4	6011.2	6071.4
37.5°	8061.5	8010.1	7794.4	7424.5	7029.8	6523.4	6278.3	6530.8	6538.1	6596.8
40°	8755.6	8777.6	8629.4	8343.2	8004.2	7450.9	6979.9	7089.9	7045.9	7144.2
42.5°	9351.5	9395.5	9266.4	9122.5	8925.9	8438.6	7848.7	7829.6	7759.1	7812.0
45°	9866.6	9903.3	9787.4	9753.6	9749.2	9407.2	8798.2	8683.7	8585.4	8575.1
47.5°	10055.9	10126.4	10176.3	10289.3	10509.4	10365.6	9780.0	9602.4	9492.4	9411.6
50°	10127.8	10202.7	10372.9	10701.7	11222.7	11284.3	10757.4	10557.8	10422.8	10276.1
52.5°	10031.0	10164.5	10393.5	10946.7	11702.6	12021.0	11695.2	11520.6	11366.5	11127.3
55°	9460.1	9593.6	10061.8	10943.8	11941.8	12537.6	12581.6	12503.9	12330.7	11953.5
57.5°	8256.7	8454.8	9195.9	10571.0	11937.4	12982.3	13450.5	13506.2	13312.5	12772.4
60°	6589.5	6858.0	7762.1	9744.8	11569.0	13223.0	14212.1	14491.0	14285.5	13579.6
62.5°	4598.0	4909.1	5764.7	8450.4	10726.6	13049.8	14768.3	15283.5	15127.9	14301.7
65°	2804.6	2904.4	3594.1	6649.6	9294.2	12324.8	14940.1	15712.0	15660.6	14743.4
67.5°	1868.2	1951.9	2150.0	4559.8	7214.7	10876.3	14529.1	15637.2	15651.8	14671.5
70°	1125.6	1197.6	1326.7	2651.9	4675.7	8608.9	13256.7	14683.2	14768.3	13710.2
72.5°	463.8	512.2	629.6	1202.0	2421.5	5463.8	10556.4	12606.6	12804.7	11527.9
75°	262.7	287.6	369.8	603.2	1050.8	2546.3	6394.3	8949.4	9241.4	7945.5
77.5°	174.6	186.4	239.2	390.4	591.4	868.8	2732.7	4662.5	5220.2	4339.7
80°	117.4	127.7	164.4	261.2	384.5	372.8	870.3	1727.4	2125.1	1491.1
82.5°	79.2	80.7	117.4	171.7	243.6	180.5	256.8	537.1	675.1	431.5
85°	45.5	44.0	86.6	99.8	108.6	74.8	77.8	161.4	211.3	182.0
87.5°	5.9	8.8	33.8	26.4	14.7	16.1	16.1	27.9	41.1	44.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848617
 CATALOG NUMBER: GLAN-SB5B-735-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2546.3	0°	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3	2546.3
2549.2	2.5°	2549.2	2547.7	2543.3	2538.9	2528.7	2522.8	2525.7	2522.8	2521.3	2522.8
2568.3	5°	2568.3	2563.9	2552.1	2537.5	2516.9	2492.0	2475.8	2452.3	2430.3	2417.1
2619.6	7.5°	2619.6	2615.2	2599.1	2558.0	2492.0	2387.8	2292.4	2208.7	2145.6	2108.9
2701.8	10°	2701.8	2694.5	2669.5	2578.6	2405.4	2177.9	1988.6	1831.6	1728.8	1680.4
2798.7	12.5°	2798.7	2789.9	2745.9	2559.5	2241.0	1885.9	1624.6	1450.0	1354.6	1312.0
2910.2	15°	2913.2	2901.4	2814.8	2468.5	2001.8	1563.0	1323.8	1193.1	1131.5	1093.4
3052.6	17.5°	3055.5	3035.0	2866.2	2332.0	1742.0	1316.4	1138.8	1040.5	986.2	949.5
3239.0	20°	3240.4	3206.7	2907.3	2169.1	1502.8	1160.9	1014.1	931.9	890.8	858.5
3503.1	22.5°	3498.7	3450.3	2957.2	1993.0	1334.0	1053.7	921.6	861.5	827.7	791.0
3871.5	25°	3818.7	3761.4	3018.8	1830.1	1218.1	961.3	854.1	804.2	764.6	722.1
4354.3	27.5°	4266.3	4163.6	3092.2	1696.5	1118.3	882.0	792.5	736.7	691.2	656.0
4901.7	30°	4765.3	4596.5	3156.8	1615.8	1027.3	808.6	711.8	656.0	613.5	588.5
5393.4	32.5°	5237.8	5008.9	3199.3	1580.6	945.1	725.0	623.7	563.6	531.3	523.9
5874.8	35°	5684.0	5381.6	3194.9	1546.8	871.7	641.3	537.1	475.5	450.5	455.0
6392.8	37.5°	6197.6	5779.4	3164.1	1494.0	811.6	565.0	462.3	408.0	386.0	387.4
7022.4	40°	6794.9	6238.7	3145.0	1394.2	745.5	494.6	400.7	356.6	340.5	334.6
7685.8	42.5°	7431.9	6683.4	3148.0	1281.2	663.4	431.5	358.1	321.4	306.7	302.3
8424.0	45°	8071.7	7107.5	3152.4	1163.8	576.8	383.0	327.3	296.5	287.6	281.8
9172.4	47.5°	8673.5	7468.6	3070.2	1037.6	491.6	346.4	302.3	281.8	274.4	267.1
9923.8	50°	9234.1	7709.2	2872.1	890.8	424.1	317.0	283.2	268.6	261.2	253.9
10604.8	52.5°	9669.9	7747.4	2544.8	739.7	377.2	295.0	271.5	258.3	249.5	242.2
11155.1	55°	9863.7	7508.2	2079.6	598.8	340.5	275.9	259.8	246.6	236.3	228.9
11588.1	57.5°	9813.8	7004.8	1621.7	481.4	305.3	256.8	245.1	236.3	224.5	212.8
11938.8	60°	9568.7	6331.2	1222.5	400.7	273.0	236.3	228.9	221.6	205.5	187.9
12073.9	62.5°	9144.5	5484.4	871.7	331.7	237.7	212.8	209.9	204.0	180.5	148.2
11874.3	65°	8495.9	4455.6	587.0	275.9	204.0	186.4	187.9	177.6	146.8	110.1
11143.4	67.5°	7547.8	3258.0	375.7	226.0	170.2	155.6	157.0	151.2	124.7	93.9
9758.0	70°	6340.0	2157.4	245.1	171.7	136.5	120.3	129.1	130.6	105.7	76.3
7489.1	72.5°	4647.9	1273.9	171.7	127.7	99.8	83.7	105.7	108.6	85.1	57.2
4505.5	75°	2649.0	604.6	129.1	92.5	61.6	58.7	82.2	82.2	58.7	38.2
1950.4	77.5°	1112.4	252.4	91.0	60.2	35.2	33.8	55.8	51.4	29.4	17.6
475.5	80°	321.4	113.0	48.4	29.4	14.7	13.2	22.0	16.1	7.3	2.9
180.5	82.5°	126.2	49.9	19.1	11.7	5.9	5.9	2.9	0.0	0.0	0.0
102.7	85°	74.8	20.5	8.8	4.4	1.5	0.0	0.0	0.0	0.0	0.0
22.0	87.5°	19.1	4.4	2.9	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°
<hr/>
2546.3
2528.7
2420.1
2110.4
1676.0
1307.6
1094.8
946.6
852.7
785.2
717.7
648.7
584.1
528.3
455.0
393.3
333.1
300.9
281.8
267.1
253.9
240.7
227.5
211.3
184.9
145.3
107.1
89.5
73.4
54.3
35.2
17.6
2.9
0.0
0.0
0.0
0.0

F REPORT)