

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: P848687

Luminaire Tested: **GLAN-SB5B-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848687
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-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 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: 19839 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

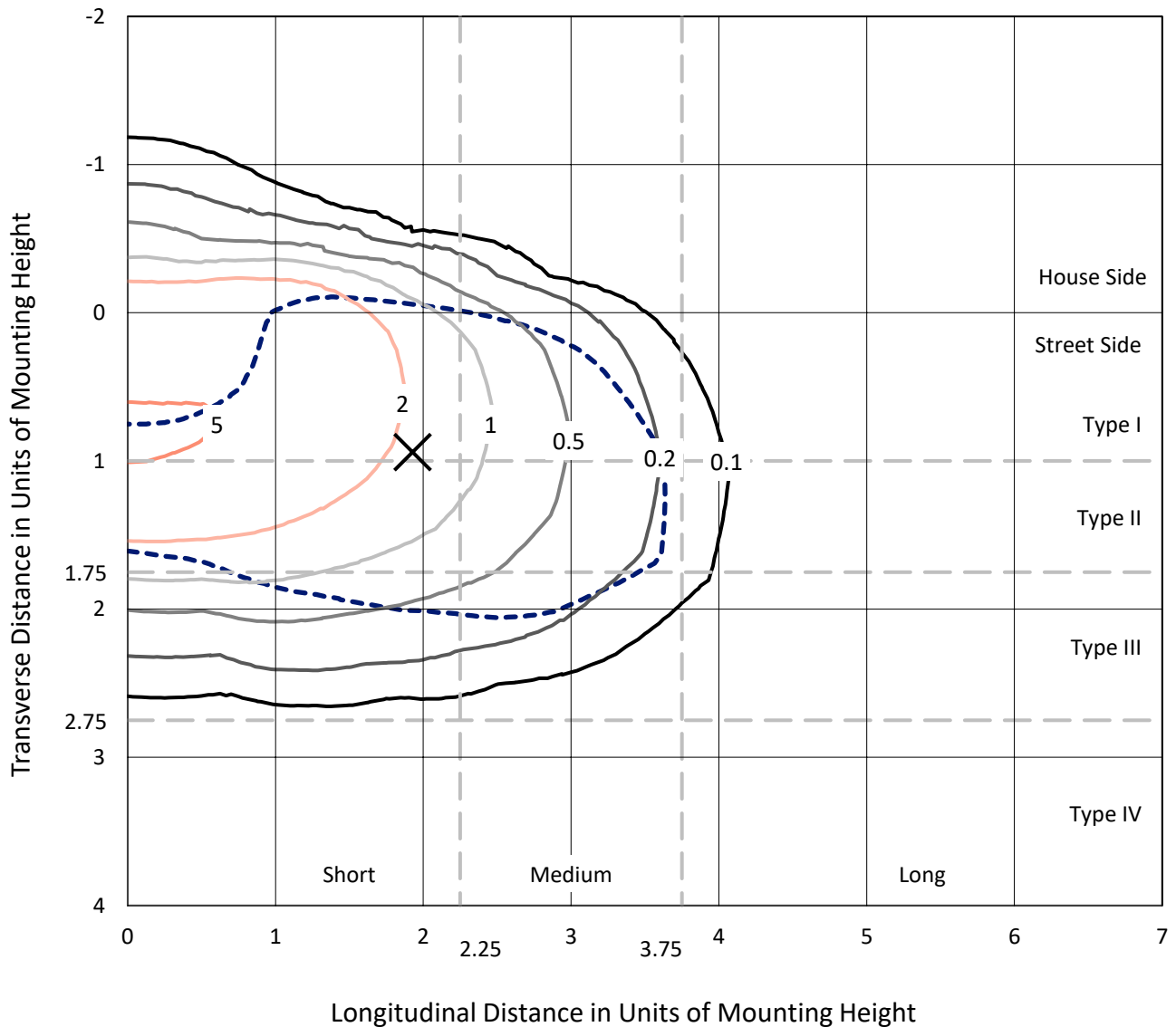
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848687
 CATALOG NUMBER: GLAN-SB5B-840-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

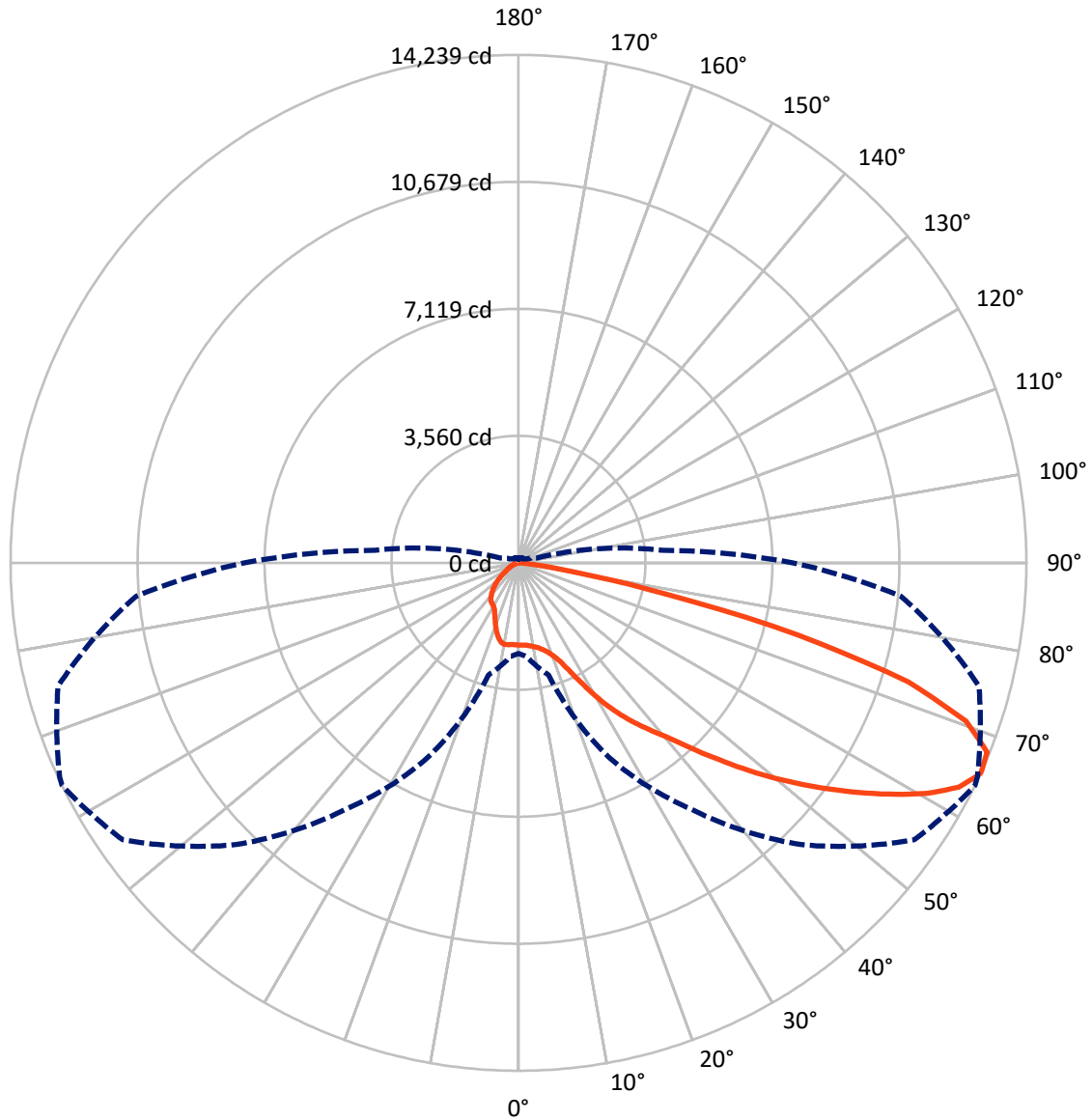
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - N/A

REPORT NUMBER: P848687
CATALOG NUMBER: GLAN-SB5B-840-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848687
 CATALOG NUMBER: GLAN-SB5B-840-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2653.1	0.0	2653.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	17185.9	0.0	17185.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	19839.0	0.0	19839.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.9	1.1
10°-20°	577.4	2.9
20°-30°	1094.1	5.5
30°-40°	2214.0	11.2
40°-50°	3771.6	19.0
50°-60°	5129.1	25.9
60°-70°	4816.5	24.3
70°-80°	1929.7	9.7
80°-90°	93.5	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°	19839.0	100.0
0°-180°	19839.0	100.0

Coefficient of Utilization



REPORT NUMBER: P848687

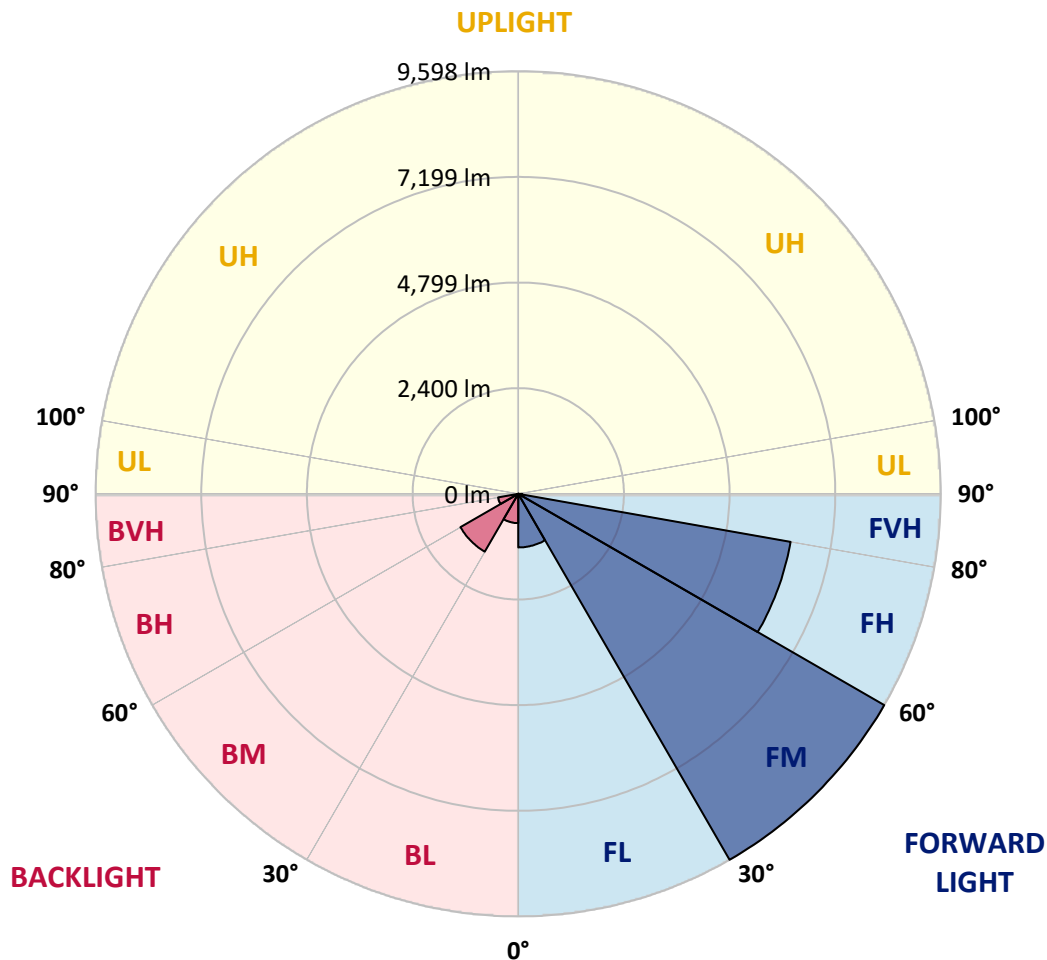
CATALOG NUMBER: GLAN-SB5B-840-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1218.3	6.1			
FM (30°-60°)	9598.1	48.4			
FH (60°-80°)	6280.6	31.7			G3/7500
FVH (80°-90°)	88.9	0.4			G1/100
BL (0°-30°)	666.1	3.4	B2/1000		
BM (30°-60°)	1516.8	7.6	B2/2500		
BH (60°-80°)	465.7	2.3	B1/500		G1/500
BVH (80°-90°)	4.6	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: P848687
 CATALOG NUMBER: GLAN-SB5B-840-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2307.5	2307.5	2307.5	2307.5	2307.5	2307.5	2307.5	2307.5	2307.5	2307.5
2.5°	2299.5	2315.5	2311.5	2307.5	2306.2	2308.8	2310.1	2308.8	2308.8	2308.8
5°	2255.6	2268.9	2268.9	2278.2	2291.5	2307.5	2319.5	2322.1	2324.8	2328.8
7.5°	2171.8	2182.5	2190.4	2221.0	2254.3	2296.8	2332.8	2351.4	2354.0	2368.7
10°	2114.6	2127.9	2141.2	2173.2	2221.0	2284.9	2346.1	2391.3	2397.9	2432.5
12.5°	2112.0	2125.3	2142.6	2177.1	2233.0	2300.8	2375.3	2440.5	2452.4	2503.0
15°	2139.9	2155.9	2171.8	2214.4	2274.2	2356.7	2436.5	2517.6	2529.6	2601.4
17.5°	2197.1	2218.4	2230.3	2272.9	2336.7	2428.5	2533.6	2626.7	2637.3	2721.1
20°	2310.1	2335.4	2339.4	2374.0	2436.5	2534.9	2659.9	2775.6	2788.9	2884.7
22.5°	2544.2	2580.1	2548.2	2565.5	2621.4	2719.8	2855.4	3001.7	3020.3	3129.4
25°	2956.5	3007.0	2924.6	2895.3	2919.3	3021.7	3191.9	3376.8	3398.0	3485.8
27.5°	3766.4	3701.3	3576.3	3453.9	3382.1	3440.6	3632.1	3860.9	3887.5	3972.6
30°	4656.2	4599.0	4430.1	4158.8	3988.6	3979.2	4156.1	4411.5	4442.1	4523.2
32.5°	5547.3	5492.7	5309.2	4975.4	4680.1	4533.8	4656.2	4939.5	4955.4	5007.3
35°	6423.7	6367.9	6184.3	5842.5	5479.4	5146.9	5123.0	5442.2	5447.5	5502.0
37.5°	7305.5	7258.9	7063.4	6728.3	6370.5	5911.7	5689.6	5918.3	5925.0	5978.2
40°	7934.5	7954.5	7820.2	7560.8	7253.6	6752.2	6325.3	6425.0	6385.1	6474.2
42.5°	8474.5	8514.4	8397.4	8267.0	8088.8	7647.3	7112.6	7095.3	7031.5	7079.4
45°	8941.3	8974.6	8869.5	8838.9	8834.9	8525.0	7973.1	7869.4	7780.3	7771.0
47.5°	9112.9	9176.7	9221.9	9324.4	9523.8	9393.5	8862.9	8701.9	8602.2	8529.0
50°	9178.1	9245.9	9400.2	9698.1	10170.2	10226.1	9748.6	9567.7	9445.4	9312.4
52.5°	9090.3	9211.3	9418.8	9920.2	10605.1	10893.7	10598.5	10440.2	10300.5	10083.8
55°	8572.9	8694.0	9118.2	9917.5	10821.9	11361.9	11401.8	11331.3	11174.3	10832.5
57.5°	7482.4	7661.9	8333.5	9579.7	10817.9	11764.8	12189.1	12239.6	12064.1	11574.6
60°	5971.5	6214.9	7034.2	8830.9	10484.1	11982.9	12879.3	13132.0	12945.8	12306.1
62.5°	4166.8	4448.7	5224.1	7657.9	9720.7	11826.0	13383.4	13850.2	13709.2	12960.5
65°	2541.6	2632.0	3257.1	6026.1	8422.6	11169.0	13539.0	14238.6	14192.0	13360.8
67.5°	1693.0	1768.8	1948.4	4132.2	6538.1	9856.3	13166.6	14170.7	14184.0	13295.6
70°	1020.1	1085.2	1202.3	2403.2	4237.3	7801.5	12013.5	13306.3	13383.4	12424.5
72.5°	420.3	464.2	570.6	1089.2	2194.4	4951.4	9566.4	11424.4	11603.9	10446.8
75°	238.1	260.7	335.2	546.6	952.3	2307.5	5794.6	8110.1	8374.8	7200.4
77.5°	158.3	168.9	216.8	353.8	536.0	787.3	2476.4	4225.3	4730.7	3932.7
80°	106.4	115.7	149.0	236.7	348.4	337.8	788.7	1565.4	1925.8	1351.2
82.5°	71.8	73.1	106.4	155.6	220.8	163.6	232.7	486.8	611.8	391.0
85°	41.2	39.9	78.5	90.4	98.4	67.8	70.5	146.3	191.5	164.9
87.5°	5.3	8.0	30.6	23.9	13.3	14.6	14.6	25.3	37.2	39.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848687
 CATALOG NUMBER: GLAN-SB5B-840-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2307.5	0°	2307.5	2307.5	2307.5	2307.5	2307.5	2307.5	2307.5	2307.5	2307.5	2307.5
2310.1	2.5°	2310.1	2308.8	2304.8	2300.8	2291.5	2286.2	2288.9	2286.2	2284.9	2286.2
2327.4	5°	2327.4	2323.4	2312.8	2299.5	2280.9	2258.3	2243.6	2222.4	2202.4	2190.4
2374.0	7.5°	2374.0	2370.0	2355.4	2318.1	2258.3	2163.8	2077.4	2001.6	1944.4	1911.2
2448.5	10°	2448.5	2441.8	2419.2	2336.7	2179.8	1973.7	1802.1	1659.8	1566.7	1522.8
2536.2	12.5°	2536.2	2528.3	2488.4	2319.5	2030.8	1709.0	1472.3	1314.0	1227.6	1189.0
2637.3	15°	2640.0	2629.3	2550.9	2237.0	1814.1	1416.4	1199.6	1081.3	1025.4	990.8
2766.3	17.5°	2769.0	2750.4	2597.4	2113.3	1578.7	1193.0	1032.0	942.9	893.7	860.5
2935.2	20°	2936.6	2906.0	2634.7	1965.7	1361.9	1052.0	919.0	844.5	807.3	778.0
3174.6	22.5°	3170.6	3126.7	2679.9	1806.1	1208.9	954.9	835.2	780.7	750.1	716.8
3508.4	25°	3460.6	3408.7	2735.7	1658.5	1103.9	871.1	774.0	728.8	692.9	654.3
3946.0	27.5°	3866.2	3773.1	2802.2	1537.4	1013.4	799.3	718.2	667.6	626.4	594.5
4442.1	30°	4318.4	4165.4	2860.7	1464.3	931.0	732.8	645.0	594.5	555.9	533.3
4887.6	32.5°	4746.6	4539.2	2899.3	1432.4	856.5	657.0	565.2	510.7	481.4	474.8
5323.8	35°	5150.9	4877.0	2895.3	1401.8	790.0	581.2	486.8	430.9	408.3	412.3
5793.3	37.5°	5616.4	5237.4	2867.4	1353.9	735.5	512.0	418.9	369.7	349.8	351.1
6363.9	40°	6157.7	5653.7	2850.1	1263.5	675.6	448.2	363.1	323.2	308.6	303.2
6965.0	42.5°	6734.9	6056.6	2852.8	1161.1	601.1	391.0	324.5	291.3	278.0	274.0
7634.0	45°	7314.8	6441.0	2856.8	1054.7	522.7	347.1	296.6	268.7	260.7	255.4
8312.3	47.5°	7860.1	6768.2	2782.3	940.3	445.5	313.9	274.0	255.4	248.7	242.1
8993.2	50°	8368.1	6986.3	2602.7	807.3	384.4	287.3	256.7	243.4	236.7	230.1
9610.3	52.5°	8763.1	7020.9	2306.2	670.3	341.8	267.3	246.0	234.1	226.1	219.4
10109.0	55°	8938.7	6804.1	1884.6	542.6	308.6	250.0	235.4	223.4	214.1	207.5
10501.4	57.5°	8893.4	6347.9	1469.6	436.2	276.6	232.7	222.1	214.1	203.5	192.8
10819.2	60°	8671.3	5737.5	1107.9	363.1	247.4	214.1	207.5	200.8	186.2	170.2
10941.6	62.5°	8287.0	4970.1	790.0	300.6	215.5	192.8	190.2	184.9	163.6	134.3
10760.7	65°	7699.1	4037.8	532.0	250.0	184.9	168.9	170.2	160.9	133.0	99.7
10098.4	67.5°	6840.0	2952.5	340.5	204.8	154.3	141.0	142.3	137.0	113.0	85.1
8842.9	70°	5745.4	1955.0	222.1	155.6	123.7	109.1	117.0	118.4	95.8	69.2
6786.8	72.5°	4212.0	1154.4	155.6	115.7	90.4	75.8	95.8	98.4	77.1	51.9
4083.0	75°	2400.6	547.9	117.0	83.8	55.9	53.2	74.5	74.5	53.2	34.6
1767.5	77.5°	1008.1	228.8	82.5	54.5	31.9	30.6	50.5	46.5	26.6	16.0
430.9	80°	291.3	102.4	43.9	26.6	13.3	12.0	19.9	14.6	6.6	2.7
163.6	82.5°	114.4	45.2	17.3	10.6	5.3	5.3	2.7	0.0	0.0	0.0
93.1	85°	67.8	18.6	8.0	4.0	1.3	0.0	0.0	0.0	0.0	0.0
19.9	87.5°	17.3	4.0	2.7	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/>
2307.5
2291.5
2193.1
1912.5
1518.8
1185.0
992.2
857.8
772.7
711.5
650.4
587.8
529.3
478.8
412.3
356.4
301.9
272.6
255.4
242.1
230.1
218.1
206.1
191.5
167.6
131.7
97.1
81.1
66.5
49.2
31.9
16.0
2.7
0.0
0.0
0.0
0.0

F REPORT)