

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: P852878

Luminaire Tested: **GLAN-SB7A-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19258 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

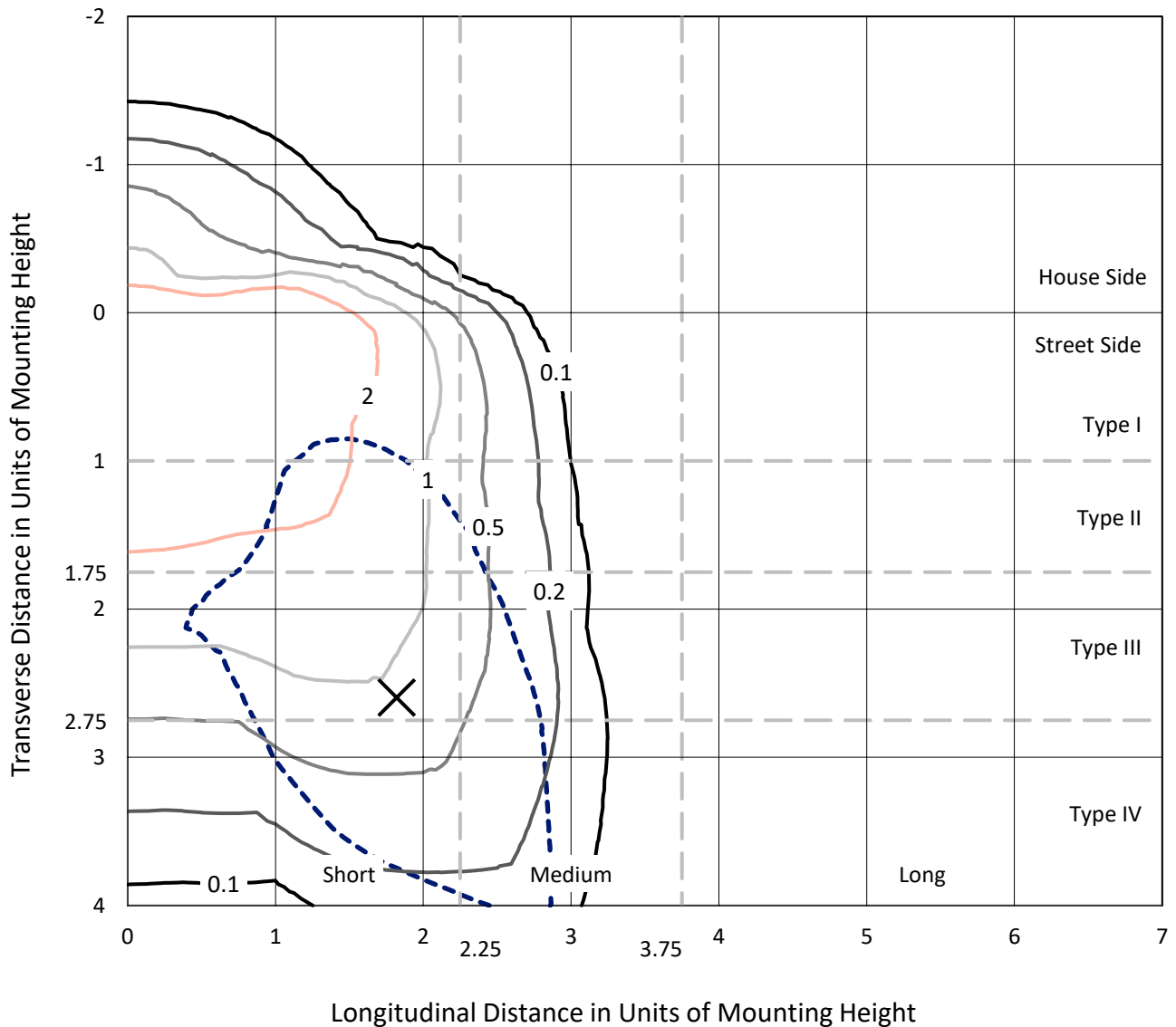
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

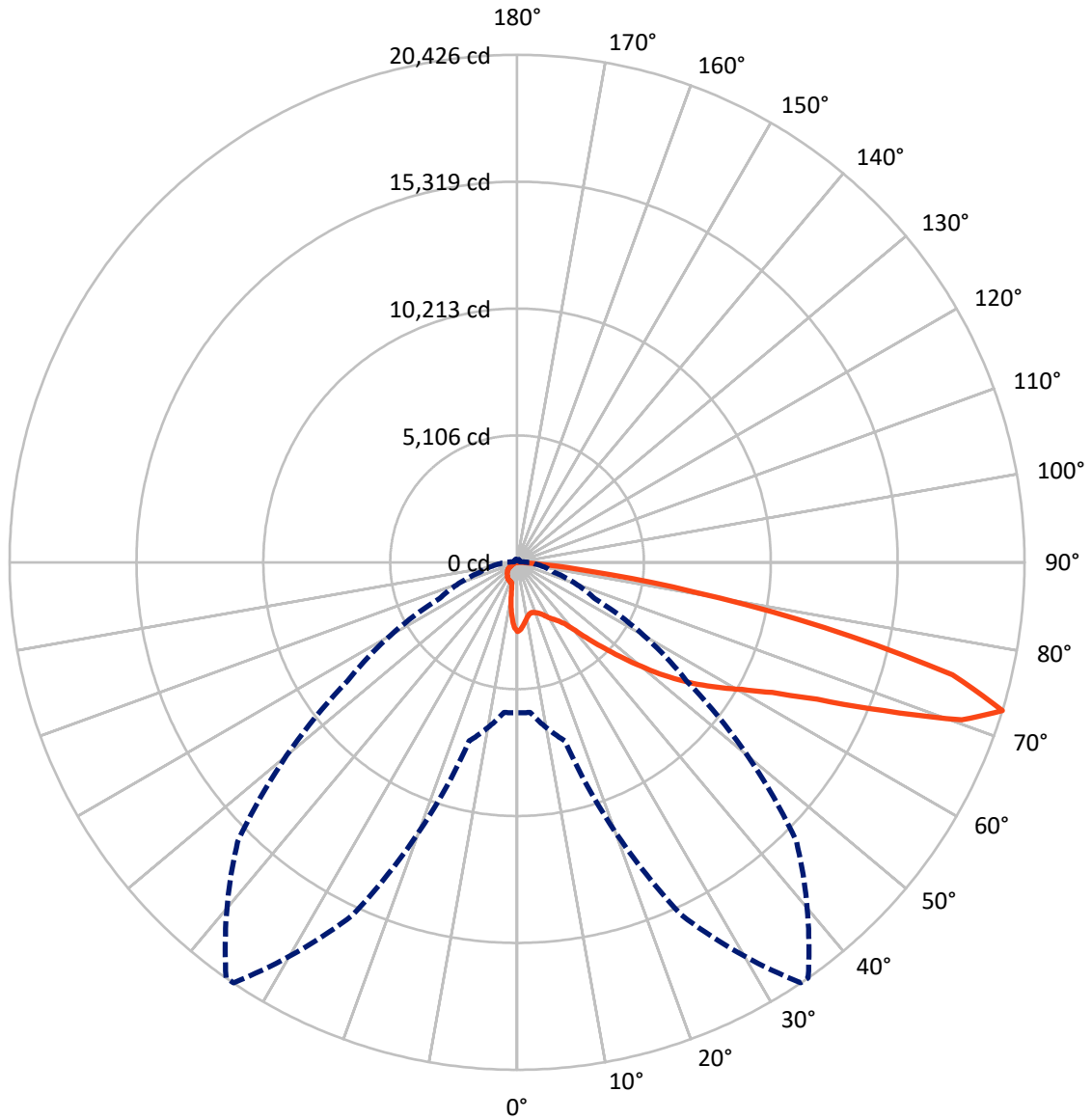
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2167.4	0.0	2167.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	17090.6	0.0	17090.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	19258.0	0.0	19258.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.4	1.2
10°-20°	536.6	2.8
20°-30°	871.6	4.5
30°-40°	1454.3	7.6
40°-50°	2751.5	14.3
50°-60°	4372.2	22.7
60°-70°	5408.7	28.1
70°-80°	3362.1	17.5
80°-90°	271.7	1.4
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°	19258.0	100.0
0°-180°	19258.0	100.0

Coefficient of Utilization



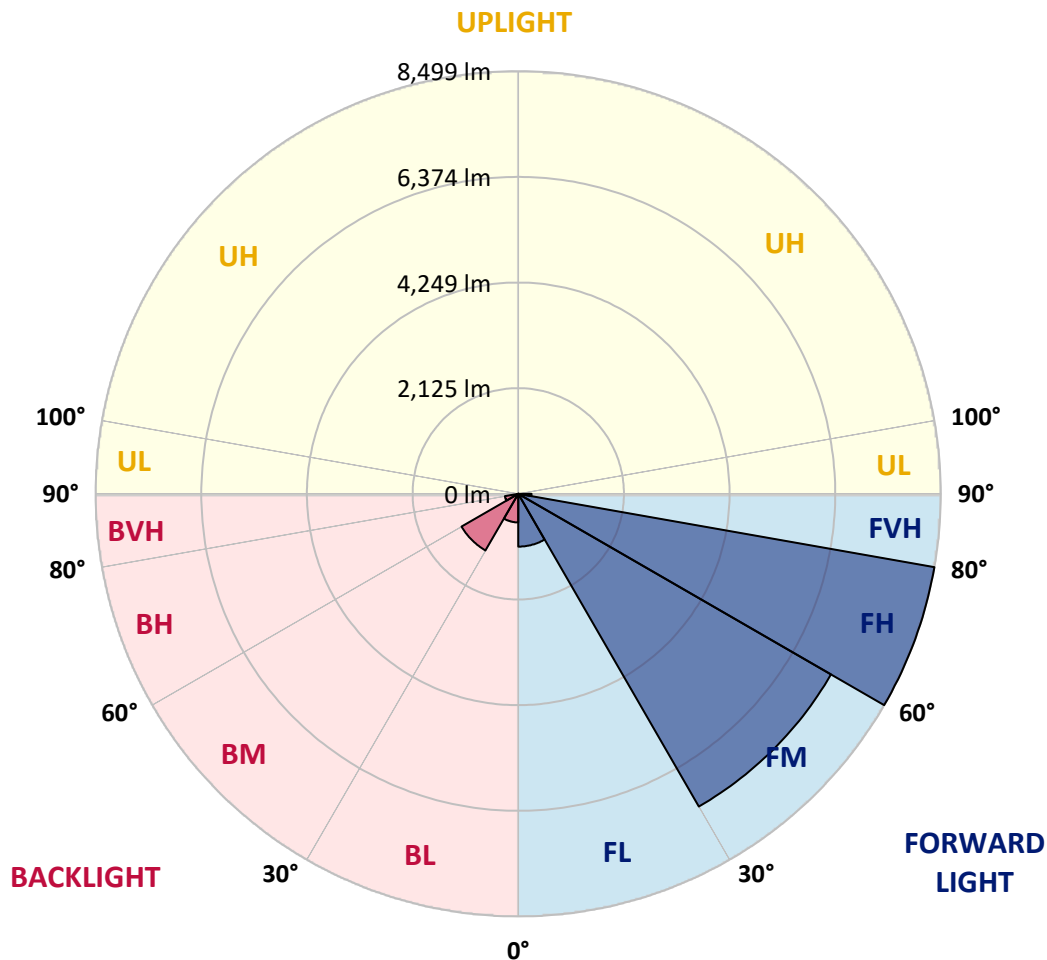
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1061.6	5.5			
FM (30°-60°)	7262.2	37.7			
FH (60°-80°)	8498.8	44.1			G4/12000
FVH (80°-90°)	268.0	1.4			G3/500
BL (0°-30°)	575.9	3.0	B2/1000		
BM (30°-60°)	1315.8	6.8	B2/2500		
BH (60°-80°)	272.0	1.4	B1/500		G1/500
BVH (80°-90°)	3.7	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1
2.5°	2667.0	2689.5	2693.8	2700.8	2700.8	2709.3	2723.4	2743.2	2775.6	2792.5
5°	2458.1	2475.0	2496.2	2513.1	2545.6	2549.8	2604.9	2658.5	2733.3	2789.7
7.5°	2247.9	2267.6	2295.8	2336.8	2379.1	2391.8	2475.0	2565.4	2683.9	2789.7
10°	2099.7	2101.1	2126.5	2167.4	2235.2	2250.7	2352.3	2480.7	2628.9	2772.8
12.5°	2016.4	2026.3	2037.6	2068.7	2133.6	2143.4	2252.1	2403.1	2573.8	2762.9
15°	2016.4	2023.5	2030.6	2046.1	2098.3	2106.8	2202.7	2353.7	2545.6	2767.1
17.5°	2037.6	2048.9	2043.3	2061.6	2116.6	2122.3	2206.9	2339.6	2544.2	2794.0
20°	2088.4	2096.9	2085.6	2096.9	2151.9	2163.2	2250.7	2366.4	2568.2	2840.5
22.5°	2168.8	2173.1	2146.3	2154.7	2211.2	2225.3	2326.9	2442.6	2626.0	2915.3
25°	2270.4	2278.9	2238.0	2247.9	2301.5	2318.4	2435.5	2556.9	2717.8	3018.3
27.5°	2387.6	2391.8	2356.5	2355.1	2424.2	2448.2	2566.8	2698.0	2840.5	3148.1
30°	2521.6	2534.3	2500.4	2494.8	2582.3	2602.0	2719.2	2871.6	3021.1	3342.9
32.5°	2627.4	2637.3	2617.6	2631.7	2720.6	2736.1	2904.0	3117.1	3304.8	3619.4
35°	2779.8	2785.5	2740.3	2765.7	2867.3	2906.8	3156.6	3461.4	3661.8	3966.6
37.5°	3331.6	3331.6	3139.7	3014.1	3111.4	3146.7	3502.3	3894.6	4102.0	4432.2
40°	4095.0	4082.3	3801.5	3544.7	3532.0	3601.1	3994.8	4440.7	4670.7	4991.0
42.5°	4909.2	4889.4	4507.0	4253.0	4210.7	4234.7	4563.5	5113.8	5348.0	5672.6
45°	5631.6	5626.0	5276.1	4934.6	4858.4	4934.6	5273.2	5901.2	6069.1	6410.6
47.5°	6237.0	6237.0	5981.6	5758.6	5719.1	5764.3	6234.2	6774.6	6759.1	7196.5
50°	6934.1	6928.4	6685.7	6589.8	6630.7	6694.2	7340.5	7694.7	7473.1	7968.4
52.5°	7422.3	7456.2	7372.9	7357.4	7566.2	7676.3	8463.7	8594.9	8112.3	8700.8
55°	7809.0	7848.5	7944.4	8053.1	8455.2	8599.2	9551.6	9448.6	8647.1	9335.8
57.5°	8356.5	8300.0	8448.2	8662.7	9313.2	9486.7	10605.7	10254.4	9077.5	9850.8
60°	9021.1	9029.5	9054.9	9325.9	10169.7	10392.7	11644.3	11016.4	9354.1	10166.9
62.5°	9819.8	9832.5	9884.7	10300.9	11319.7	11530.0	12750.6	11640.1	9481.1	10078.0
65°	9764.7	9818.3	10401.1	11824.9	13068.1	13275.5	14041.7	12077.5	9289.2	9265.2
67.5°	8895.5	8983.0	9958.0	13645.2	15704.0	15935.4	15602.4	12163.6	8460.9	7205.0
70°	7755.3	7786.4	8959.0	15282.1	18756.2	18990.4	16999.4	11216.7	6420.4	4018.8
72.5°	6056.4	6063.4	7439.3	15661.7	20412.8	20425.5	15902.9	8326.8	3452.9	1543.7
75°	4326.4	4284.1	4982.5	12701.2	17958.9	18102.8	11922.3	3905.9	1319.4	729.5
77.5°	2319.8	2366.4	2819.4	7532.4	12406.3	12651.8	6505.1	1126.0	671.7	496.7
80°	716.8	756.3	1155.7	3448.7	7027.2	7175.4	2411.5	500.9	468.5	354.2
82.5°	225.8	234.2	539.0	1449.2	2916.7	2984.4	698.5	283.6	320.3	234.2
85°	64.9	66.3	239.9	540.4	721.1	735.2	196.1	110.1	183.4	145.3
87.5°	7.1	22.6	90.3	90.3	63.5	62.1	21.2	24.0	52.2	18.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2791.1	0°	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1	2791.1
2803.8	2.5°	2796.8	2798.2	2779.8	2748.8	2714.9	2686.7	2651.4	2623.2	2603.5	2597.8
2829.2	5°	2816.5	2806.7	2754.4	2659.9	2547.0	2449.6	2341.0	2254.9	2198.5	2174.5
2856.0	7.5°	2846.2	2817.9	2703.6	2517.4	2301.5	2109.6	1914.8	1763.9	1667.9	1619.9
2881.4	10°	2871.6	2815.1	2619.0	2311.4	1981.2	1690.5	1428.0	1246.0	1144.4	1096.4
2911.1	12.5°	2895.6	2813.7	2508.9	2067.2	1619.9	1264.3	1020.2	929.9	901.7	891.8
2959.0	15°	2940.7	2817.9	2370.6	1787.8	1260.1	955.3	866.4	865.0	870.6	867.8
3032.4	17.5°	3002.8	2822.2	2214.0	1491.5	972.2	842.4	838.2	850.9	859.4	855.1
3124.1	20°	3083.2	2839.1	2047.5	1198.0	835.4	814.2	824.1	835.4	842.4	835.4
3246.9	22.5°	3196.1	2868.7	1865.5	962.4	791.6	797.3	805.7	818.4	825.5	815.6
3403.5	25°	3334.4	2915.3	1686.2	836.8	770.5	777.5	790.2	804.3	812.8	802.9
3601.1	27.5°	3513.6	2990.1	1521.2	808.6	749.3	753.5	771.9	793.0	804.3	791.6
3881.9	30°	3773.2	3112.9	1378.6	821.3	736.6	726.7	752.1	781.7	794.4	783.2
4264.3	32.5°	4117.6	3286.4	1291.1	841.0	730.9	695.7	719.7	757.8	778.9	771.9
4763.8	35°	4569.1	3550.3	1257.3	863.6	726.7	663.2	680.1	721.1	757.8	764.8
5393.2	37.5°	5116.6	3917.2	1267.2	873.5	714.0	636.4	644.9	680.1	728.1	750.7
6101.5	40°	5738.9	4344.7	1323.6	863.6	699.9	613.8	615.2	642.0	684.4	718.2
6863.5	42.5°	6380.9	4844.3	1428.0	826.9	687.2	594.1	589.8	608.2	636.4	660.4
7624.1	45°	6991.9	5357.9	1531.0	776.1	671.7	574.3	564.4	571.5	577.1	587.0
8364.9	47.5°	7525.3	5719.1	1501.4	729.5	650.5	551.7	534.8	532.0	515.0	513.6
9026.7	50°	7893.6	5798.2	1333.5	683.0	619.5	526.3	499.5	482.6	453.0	438.8
9522.0	52.5°	8010.7	5486.3	1089.4	636.4	568.7	492.5	454.4	427.6	390.9	378.2
9807.1	55°	7855.5	4875.3	870.6	580.0	498.1	447.3	405.0	369.7	340.1	324.5
9838.1	57.5°	7475.9	4097.8	688.6	513.6	423.3	396.5	354.2	318.9	293.5	278.0
9493.8	60°	6846.6	3254.0	544.7	434.6	361.2	341.5	297.7	275.2	252.6	234.2
8604.8	62.5°	5891.3	2322.6	427.6	344.3	302.0	279.4	254.0	237.1	210.3	184.9
7006.0	65°	4597.3	1421.0	330.2	252.6	242.7	231.4	215.9	200.4	167.9	142.5
4570.5	67.5°	2899.8	673.1	235.7	190.5	191.9	186.3	179.2	166.5	142.5	119.9
2047.5	70°	1277.0	326.0	155.2	145.3	142.5	142.5	148.2	143.9	121.4	100.2
711.2	72.5°	434.6	175.0	115.7	110.1	103.0	101.6	124.2	119.9	97.4	77.6
354.2	75°	227.2	117.1	84.7	79.0	62.1	74.8	98.8	93.1	69.1	50.8
234.2	77.5°	148.2	83.3	57.9	50.8	35.3	49.4	73.4	64.9	40.9	25.4
153.8	80°	93.1	55.0	33.9	24.0	16.9	26.8	39.5	28.2	15.5	5.6
90.3	82.5°	49.4	28.2	12.7	8.5	7.1	8.5	9.9	7.1	2.8	0.0
46.6	85°	19.8	9.9	4.2	2.8	1.4	0.0	2.8	1.4	0.0	0.0
8.5	87.5°	7.1	1.4	0.0	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°
2791.1
2607.7
2183.0
1627.0
1097.8
889.0
866.4
853.7
834.0
814.2
801.5
791.6
781.7
771.9
764.8
756.3
729.5
670.3
592.7
512.2
440.3
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324.5
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