

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: P852886

Luminaire Tested: **GLAN-SB7A-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852886
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-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 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: 20740 lumens
Efficiency: N/A
Efficacy: 104.2 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

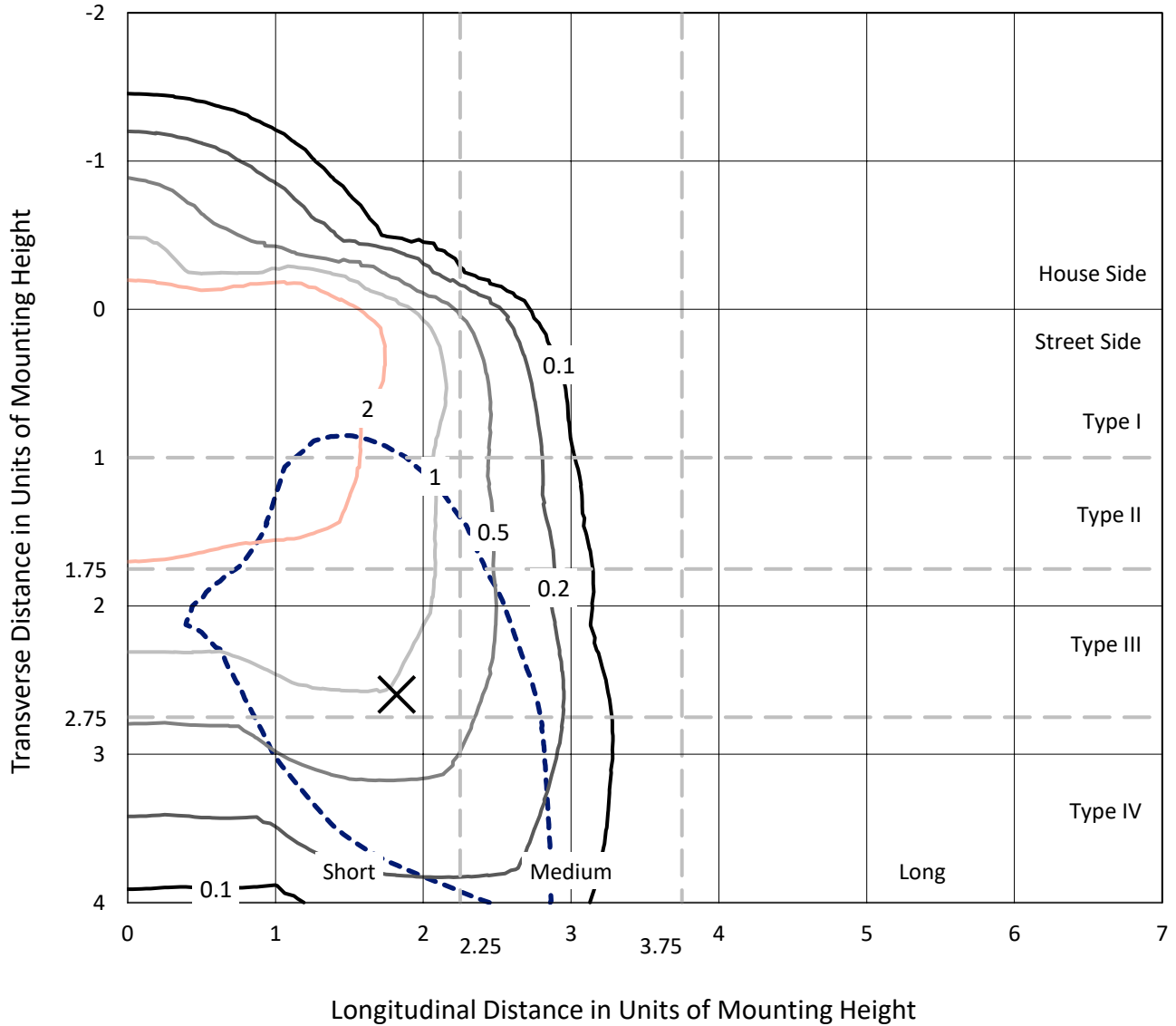
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

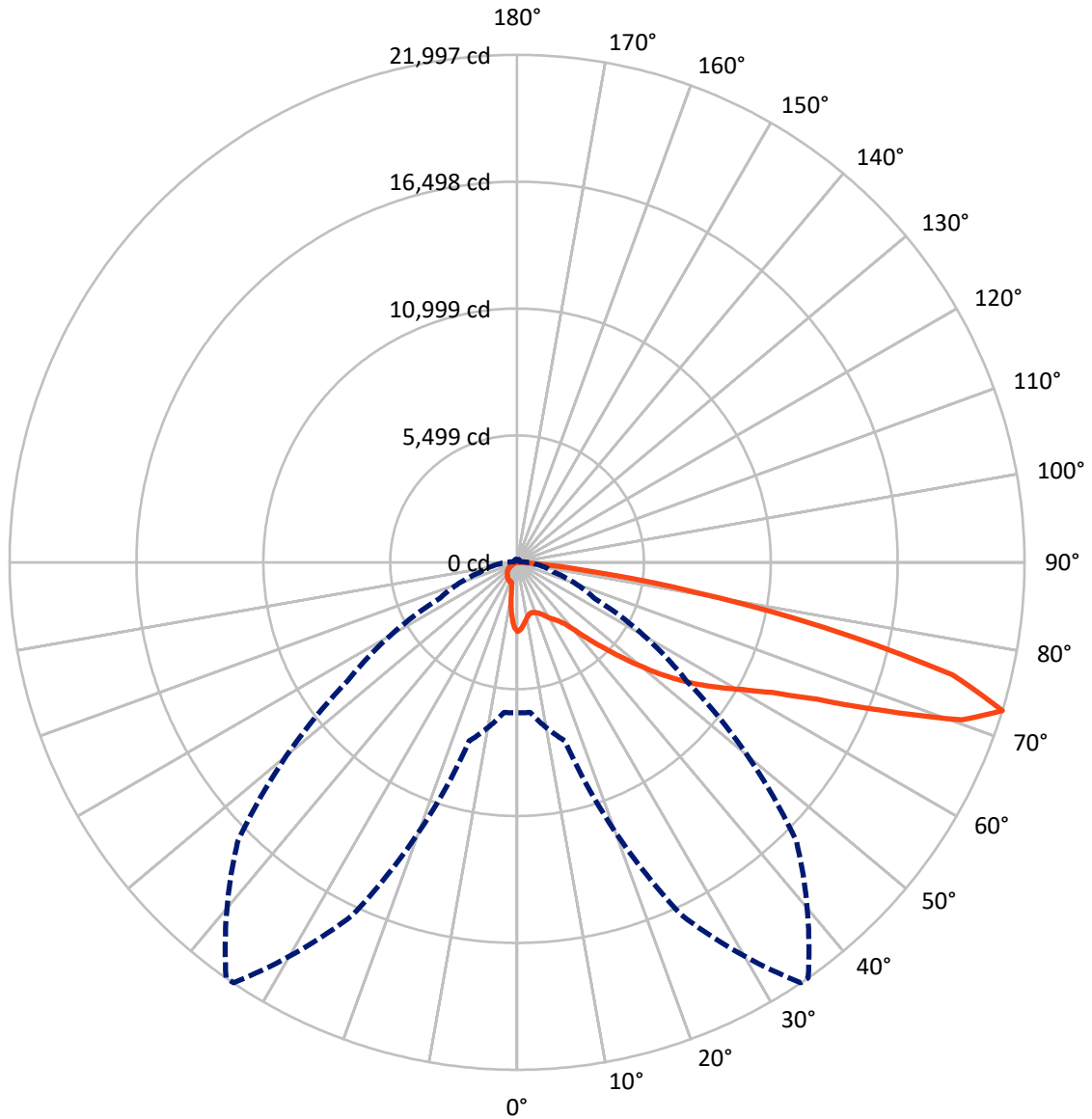
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	2334.2	0.0	2334.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	18405.8	0.0	18405.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	20740.0	0.0	20740.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.0	1.2
10°-20°	577.8	2.8
20°-30°	938.7	4.5
30°-40°	1566.2	7.6
40°-50°	2963.3	14.3
50°-60°	4708.6	22.7
60°-70°	5824.9	28.1
70°-80°	3620.8	17.5
80°-90°	292.6	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°	20740.0	100.0
0°-180°	20740.0	100.0

Coefficient of Utilization

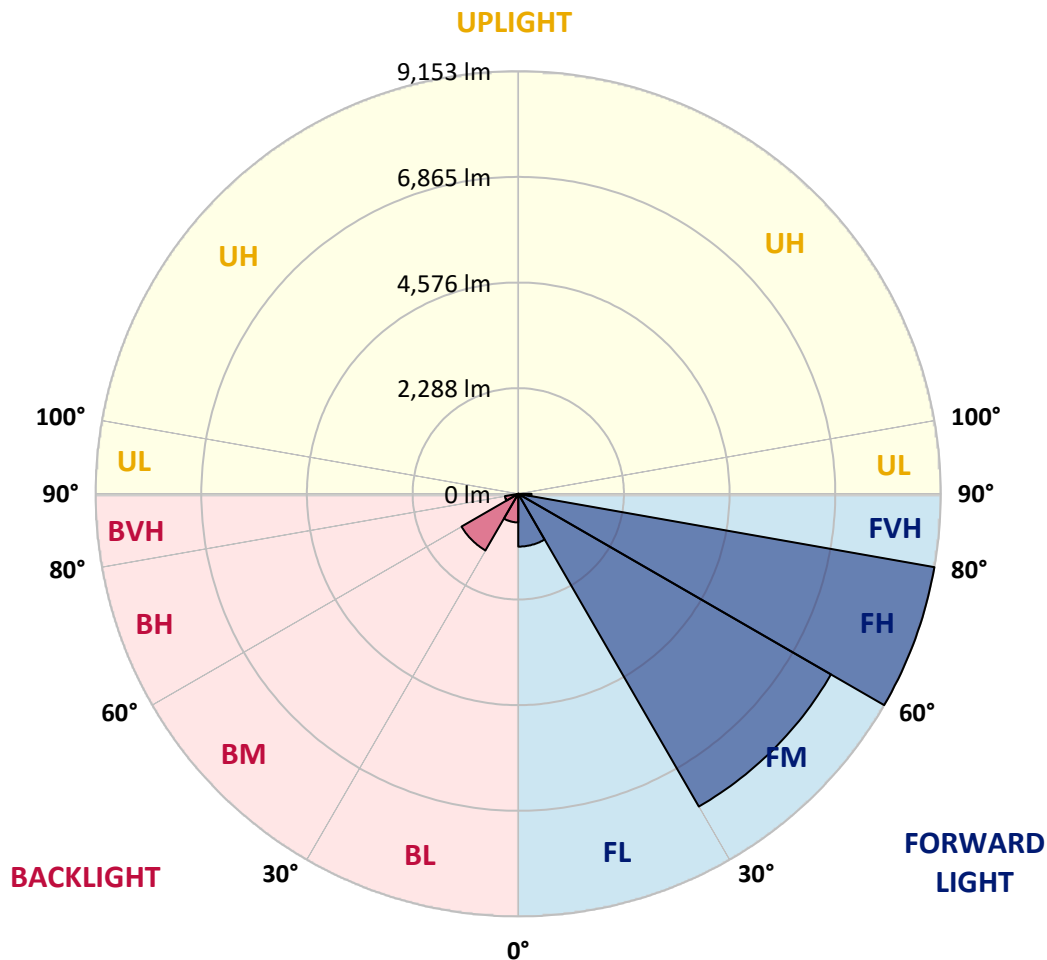


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1143.3	5.5			
FM (30°-60°)	7821.1	37.7			
FH (60°-80°)	9152.8	44.1			G4/12000
FVH (80°-90°)	288.6	1.4			G3/500
BL (0°-30°)	620.2	3.0	B2/1000		
BM (30°-60°)	1417.1	6.8	B2/2500		
BH (60°-80°)	292.9	1.4	B1/500		G1/500
BVH (80°-90°)	4.0	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9
2.5°	2872.2	2896.5	2901.1	2908.7	2908.7	2917.8	2933.0	2954.3	2989.2	3007.4
5°	2647.3	2665.5	2688.3	2706.5	2741.5	2746.1	2805.3	2863.1	2943.6	3004.4
7.5°	2420.8	2442.1	2472.5	2516.6	2562.2	2575.9	2665.5	2762.8	2890.4	3004.4
10°	2261.3	2262.8	2290.2	2334.2	2407.2	2423.9	2533.3	2671.6	2831.2	2986.2
12.5°	2171.6	2182.3	2194.4	2227.8	2297.8	2308.4	2425.4	2588.0	2771.9	2975.5
15°	2171.6	2179.2	2186.8	2203.5	2259.8	2268.9	2372.2	2534.8	2741.5	2980.1
17.5°	2194.4	2206.6	2200.5	2220.2	2279.5	2285.6	2376.8	2519.6	2740.0	3009.0
20°	2249.1	2258.2	2246.1	2258.2	2317.5	2329.7	2423.9	2548.5	2765.8	3059.1
22.5°	2335.7	2340.3	2311.4	2320.5	2381.3	2396.5	2505.9	2630.6	2828.1	3139.7
25°	2445.2	2454.3	2410.2	2420.8	2478.6	2496.8	2623.0	2753.7	2926.9	3250.6
27.5°	2571.3	2575.9	2537.9	2536.3	2610.8	2636.6	2764.3	2905.6	3059.1	3390.4
30°	2715.7	2729.3	2692.9	2686.8	2781.0	2802.3	2928.4	3092.5	3253.6	3600.1
32.5°	2829.6	2840.3	2819.0	2834.2	2929.9	2946.7	3127.5	3357.0	3559.1	3898.0
35°	2993.8	2999.8	2951.2	2978.6	3088.0	3130.5	3399.5	3727.8	3943.6	4271.8
37.5°	3588.0	3588.0	3381.3	3246.0	3350.9	3388.9	3771.8	4194.3	4417.7	4773.3
40°	4410.1	4396.4	4094.0	3817.4	3803.8	3878.2	4302.2	4782.4	5030.1	5375.1
42.5°	5287.0	5265.7	4853.8	4580.3	4534.7	4560.6	4914.6	5507.3	5759.6	6109.1
45°	6065.0	6059.0	5682.1	5314.3	5232.2	5314.3	5679.0	6355.3	6536.1	6903.9
47.5°	6717.0	6717.0	6441.9	6201.8	6159.3	6207.9	6713.9	7296.0	7279.3	7750.4
50°	7467.7	7461.6	7200.2	7096.9	7141.0	7209.3	7905.4	8286.8	8048.2	8581.6
52.5°	7993.5	8030.0	7940.3	7923.6	8148.5	8267.0	9115.0	9256.4	8736.6	9370.3
55°	8409.9	8452.4	8555.8	8672.8	9105.9	9260.9	10286.7	10175.8	9312.6	10054.2
57.5°	8999.5	8938.7	9098.3	9329.3	10029.9	10216.8	11421.9	11043.5	9776.1	10608.9
60°	9715.3	9724.4	9751.8	10043.5	10952.3	11192.4	12540.4	11864.1	10073.9	10949.3
62.5°	10575.4	10589.1	10645.3	11093.6	12190.8	12417.3	13731.8	12535.8	10210.7	10853.5
65°	10516.2	10573.9	11201.5	12734.9	14073.7	14297.1	15122.3	13006.9	10004.0	9978.2
67.5°	9580.0	9674.3	10724.4	14695.3	16912.5	17161.7	16803.1	13099.6	9112.0	7759.5
70°	8352.1	8385.6	9648.4	16458.1	20199.5	20451.8	18307.6	12079.9	6914.5	4328.0
72.5°	6522.5	6530.1	8011.7	16866.9	21983.6	21997.3	17126.8	8967.6	3718.6	1662.5
75°	4659.3	4613.7	5366.0	13678.6	19340.9	19495.9	12839.8	4206.5	1420.9	785.7
77.5°	2498.3	2548.5	3036.3	8112.0	13361.0	13625.4	7005.7	1212.7	723.4	534.9
80°	772.0	814.5	1244.6	3714.1	7568.0	7727.6	2597.1	539.5	504.5	381.4
82.5°	243.1	252.3	580.5	1560.7	3141.2	3214.1	752.2	305.5	345.0	252.3
85°	69.9	71.4	258.3	582.0	776.6	791.8	211.2	118.5	197.6	156.5
87.5°	7.6	24.3	97.3	97.3	68.4	66.9	22.8	25.8	56.2	19.8
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°
3005.9	0°	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9	3005.9
3019.6	2.5°	3012.0	3013.5	2993.8	2960.3	2923.9	2893.5	2855.5	2825.1	2803.8	2797.7
3047.0	5°	3033.3	3022.6	2966.4	2864.6	2743.0	2638.2	2521.1	2428.4	2367.7	2341.8
3075.8	7.5°	3065.2	3034.8	2911.7	2711.1	2478.6	2271.9	2062.2	1899.6	1796.3	1744.6
3103.2	10°	3092.5	3031.8	2820.5	2489.2	2133.6	1820.6	1537.9	1341.9	1232.5	1180.8
3135.1	12.5°	3118.4	3030.2	2702.0	2226.3	1744.6	1361.6	1098.7	1001.5	971.1	960.4
3186.8	15°	3167.0	3034.8	2553.1	1925.4	1357.1	1028.8	933.1	931.6	937.6	934.6
3265.8	17.5°	3233.9	3039.4	2384.4	1606.3	1047.1	907.2	902.7	916.4	925.5	920.9
3364.6	20°	3320.5	3057.6	2205.1	1290.2	899.6	876.9	887.5	899.6	907.2	899.6
3496.8	22.5°	3442.1	3089.5	2009.0	1036.4	852.5	858.6	867.7	881.4	889.0	878.4
3665.5	25°	3591.0	3139.7	1816.0	901.2	829.7	837.3	851.0	866.2	875.3	864.7
3878.2	27.5°	3784.0	3220.2	1638.2	870.8	806.9	811.5	831.3	854.1	866.2	852.5
4180.6	30°	4063.6	3352.4	1484.7	884.5	793.3	782.6	810.0	841.9	855.6	843.4
4592.5	32.5°	4434.4	3539.3	1390.5	905.7	787.2	749.2	775.0	816.1	838.9	831.3
5130.4	35°	4920.7	3823.5	1354.0	930.0	782.6	714.2	732.5	776.6	816.1	823.7
5808.2	37.5°	5510.3	4218.6	1364.7	940.7	769.0	685.4	694.5	732.5	784.2	808.5
6571.1	40°	6180.5	4679.1	1425.5	930.0	753.8	661.1	662.6	691.5	737.0	773.5
7391.7	42.5°	6872.0	5217.1	1537.9	890.5	740.1	639.8	635.2	655.0	685.4	711.2
8210.8	45°	7530.0	5770.2	1648.8	835.8	723.4	618.5	607.9	615.5	621.5	632.2
9008.6	47.5°	8104.4	6159.3	1616.9	785.7	700.6	594.2	576.0	572.9	554.7	553.2
9721.4	50°	8501.1	6244.4	1436.1	735.5	667.1	566.8	538.0	519.7	487.8	472.6
10254.8	52.5°	8627.2	5908.5	1173.2	685.4	612.4	530.4	489.3	460.5	421.0	407.3
10561.8	55°	8460.0	5250.5	937.6	624.6	536.4	481.7	436.1	398.2	366.2	349.5
10595.2	57.5°	8051.2	4413.1	741.6	553.2	455.9	427.0	381.4	343.4	316.1	299.4
10224.4	60°	7373.5	3504.4	586.6	468.1	389.0	367.8	320.7	296.3	272.0	252.3
9267.0	62.5°	6344.7	2501.4	460.5	370.8	325.2	300.9	273.5	255.3	226.4	199.1
7545.2	65°	4951.1	1530.3	355.6	272.0	261.4	249.2	232.5	215.8	180.8	153.5
4922.2	67.5°	3122.9	724.9	253.8	205.2	206.7	200.6	193.0	179.3	153.5	129.2
2205.1	70°	1375.3	351.0	167.2	156.5	153.5	153.5	159.6	155.0	130.7	107.9
765.9	72.5°	468.1	188.4	124.6	118.5	110.9	109.4	133.7	129.2	104.9	83.6
381.4	75°	244.7	126.1	91.2	85.1	66.9	80.5	106.4	100.3	74.5	54.7
252.3	77.5°	159.6	89.7	62.3	54.7	38.0	53.2	79.0	69.9	44.1	27.4
165.6	80°	100.3	59.3	36.5	25.8	18.2	28.9	42.6	30.4	16.7	6.1
97.3	82.5°	53.2	30.4	13.7	9.1	7.6	9.1	10.6	7.6	3.0	0.0
50.1	85°	21.3	10.6	4.6	3.0	1.5	0.0	3.0	1.5	0.0	0.0
9.1	87.5°	7.6	1.5	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°
3005.9
2808.4
2350.9
1752.2
1182.3
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919.4
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876.9
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841.9
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