

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: P849207

Luminaire Tested: **GLAN-SB6A-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849207
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-SB6A-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 350mA 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: 18318 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

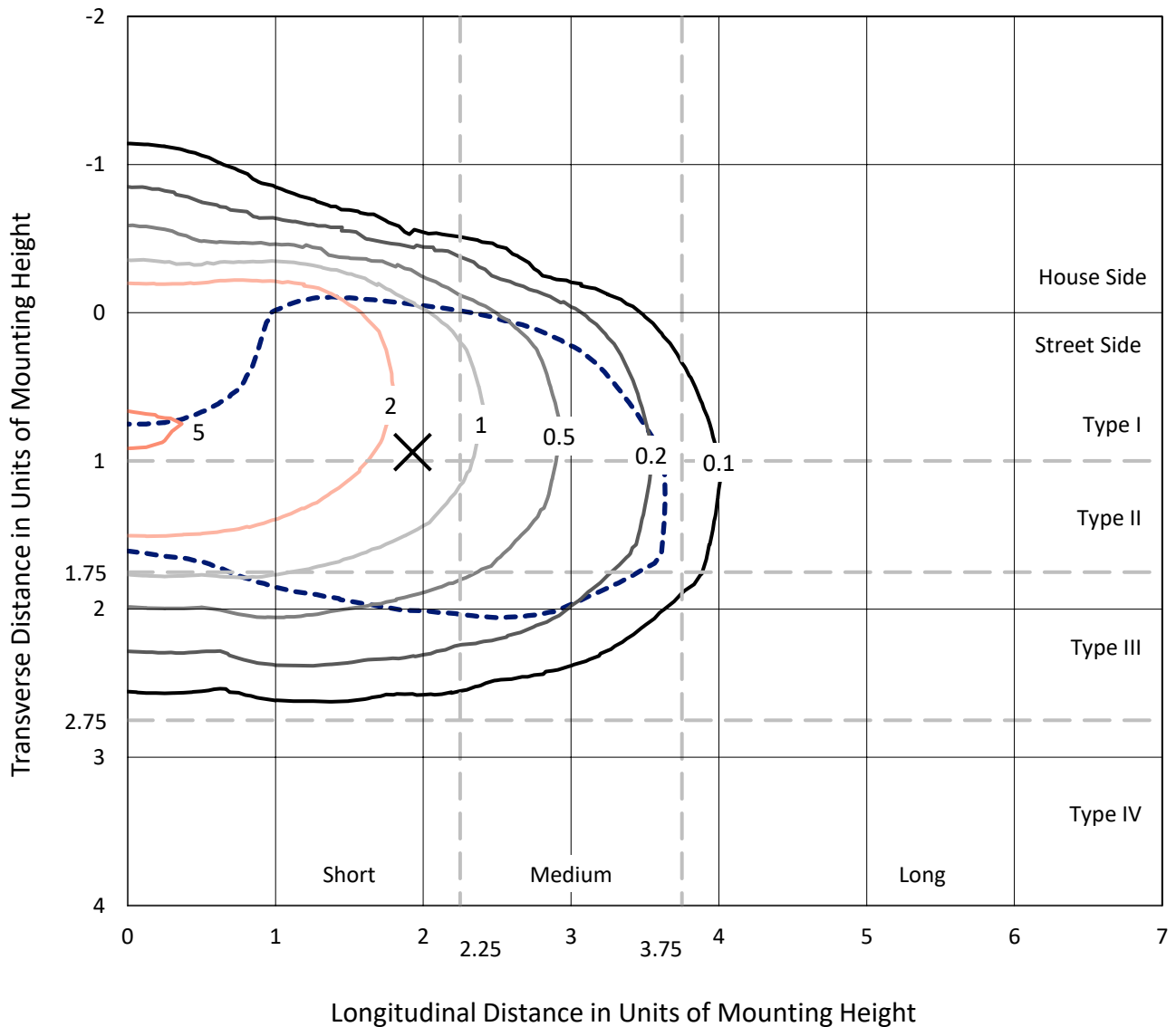
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

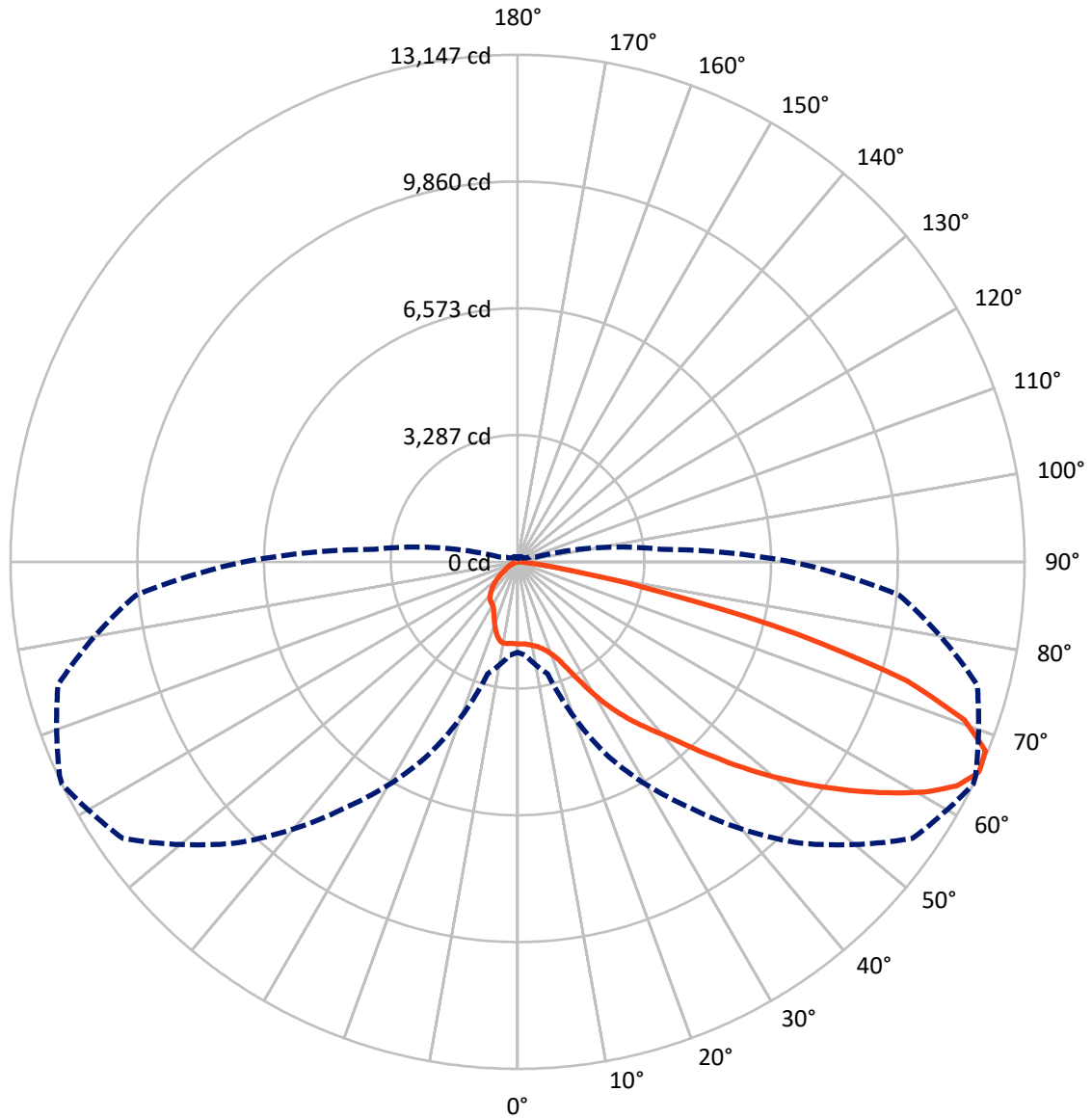
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2449.7	0.0	2449.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	15868.3	0.0	15868.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	18318.0	0.0	18318.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.6	1.1
10°-20°	533.1	2.9
20°-30°	1010.3	5.5
30°-40°	2044.3	11.2
40°-50°	3482.5	19.0
50°-60°	4735.9	25.9
60°-70°	4447.3	24.3
70°-80°	1781.8	9.7
80°-90°	86.3	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°	18318.0	100.0
0°-180°	18318.0	100.0

Coefficient of Utilization



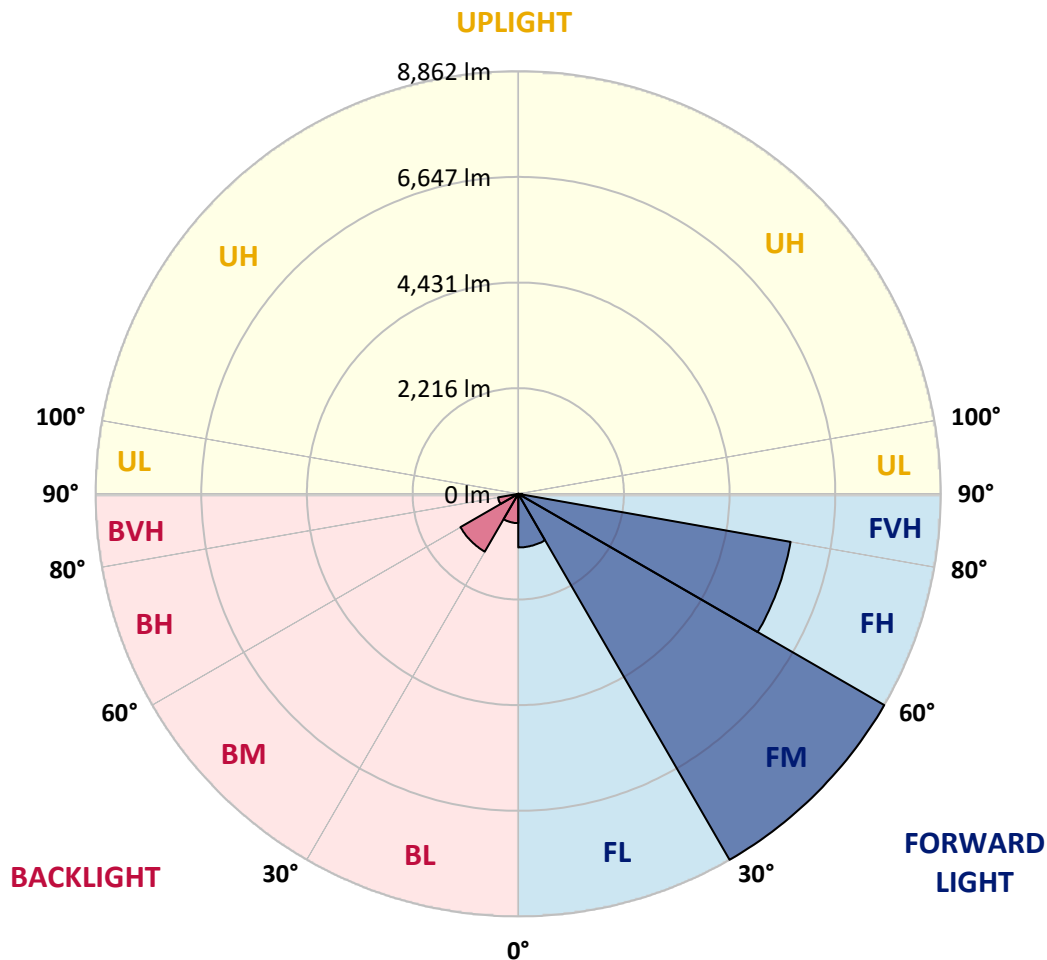
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1124.9	6.1			
FM (30°-60°)	8862.2	48.4			
FH (60°-80°)	5799.1	31.7			G3/7500
FVH (80°-90°)	82.1	0.4			G1/100
BL (0°-30°)	615.0	3.4	B2/1000		
BM (30°-60°)	1400.5	7.6	B2/2500		
BH (60°-80°)	430.0	2.3	B1/500		G1/500
BVH (80°-90°)	4.2	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6
2.5°	2123.2	2137.9	2134.3	2130.6	2129.3	2131.8	2133.0	2131.8	2131.8	2131.8
5°	2082.7	2095.0	2095.0	2103.6	2115.8	2130.6	2141.6	2144.1	2146.5	2150.2
7.5°	2005.3	2015.1	2022.5	2050.8	2081.5	2120.7	2153.9	2171.1	2173.6	2187.1
10°	1952.5	1964.8	1977.1	2006.5	2050.8	2109.7	2166.2	2207.9	2214.1	2246.0
12.5°	1950.1	1962.3	1978.3	2010.2	2061.8	2124.4	2193.2	2253.4	2264.4	2311.1
15°	1975.8	1990.6	2005.3	2044.6	2099.9	2176.0	2249.7	2324.6	2335.6	2402.0
17.5°	2028.6	2048.3	2059.3	2098.6	2157.6	2242.3	2339.3	2425.3	2435.1	2512.5
20°	2133.0	2156.4	2160.0	2192.0	2249.7	2340.6	2456.0	2562.8	2575.1	2663.5
22.5°	2349.2	2382.3	2352.8	2368.8	2420.4	2511.3	2636.5	2771.6	2788.8	2889.5
25°	2729.8	2776.5	2700.4	2673.3	2695.5	2790.0	2947.2	3117.9	3137.5	3218.6
27.5°	3477.7	3417.5	3302.1	3189.1	3122.8	3176.8	3353.7	3564.9	3589.4	3668.0
30°	4299.2	4246.4	4090.5	3839.9	3682.8	3674.2	3837.5	4073.3	4101.5	4176.4
32.5°	5122.0	5071.6	4902.2	4593.9	4321.3	4186.2	4299.2	4560.8	4575.5	4623.4
35°	5931.2	5879.6	5710.2	5394.6	5059.3	4752.3	4730.2	5025.0	5029.9	5080.2
37.5°	6745.4	6702.4	6521.9	6212.4	5882.1	5458.4	5253.4	5464.6	5470.7	5519.8
40°	7326.2	7344.6	7220.6	6981.2	6697.5	6234.5	5840.4	5932.5	5895.6	5977.9
42.5°	7824.8	7861.6	7753.6	7633.2	7468.7	7061.0	6567.3	6551.4	6492.4	6536.6
45°	8255.8	8286.5	8189.5	8161.3	8157.6	7871.5	7361.8	7266.1	7183.8	7175.2
47.5°	8414.2	8473.2	8514.9	8609.5	8793.7	8673.3	8183.4	8034.8	7942.7	7875.1
50°	8474.4	8537.0	8679.5	8954.5	9390.5	9442.1	9001.2	8834.2	8721.2	8598.4
52.5°	8393.4	8505.1	8696.7	9159.6	9792.0	10058.5	9785.9	9639.8	9510.8	9310.7
55°	7915.7	8027.4	8419.1	9157.2	9992.2	10490.8	10527.6	10462.5	10317.6	10002.0
57.5°	6908.7	7074.5	7694.6	8845.3	9988.5	10862.9	11254.6	11301.3	11139.2	10687.3
60°	5513.7	5738.4	6494.9	8153.9	9680.3	11064.2	11891.9	12125.2	11953.3	11362.6
62.5°	3847.3	4107.6	4823.6	7070.8	8975.4	10919.3	12357.3	12788.4	12658.2	11966.8
65°	2346.7	2430.2	3007.4	5564.1	7776.9	10312.7	12501.0	13146.9	13103.9	12336.5
67.5°	1563.2	1633.2	1799.0	3815.4	6036.8	9100.7	12157.2	13084.3	13096.6	12276.3
70°	941.9	1002.0	1110.1	2219.0	3912.4	7203.4	11092.5	12286.1	12357.3	11471.9
72.5°	388.0	428.6	526.8	1005.7	2026.2	4571.8	8833.0	10548.5	10714.3	9645.9
75°	219.8	240.7	309.5	504.7	879.2	2130.6	5350.4	7488.3	7732.7	6648.4
77.5°	146.1	156.0	200.2	326.6	494.9	727.0	2286.5	3901.3	4368.0	3631.2
80°	98.2	106.8	137.5	218.6	321.7	311.9	728.2	1445.4	1778.1	1247.6
82.5°	66.3	67.5	98.2	143.7	203.8	151.0	214.9	449.4	564.9	361.0
85°	38.1	36.8	72.5	83.5	90.9	62.6	65.1	135.1	176.8	152.3
87.5°	4.9	7.4	28.2	22.1	12.3	13.5	13.5	23.3	34.4	36.8
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°
2130.6	0°	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6
2133.0	2.5°	2133.0	2131.8	2128.1	2124.4	2115.8	2110.9	2113.4	2110.9	2109.7	2110.9
2149.0	5°	2149.0	2145.3	2135.5	2123.2	2106.0	2085.1	2071.6	2052.0	2033.6	2022.5
2192.0	7.5°	2192.0	2188.3	2174.8	2140.4	2085.1	1998.0	1918.1	1848.1	1795.3	1764.6
2260.7	10°	2260.7	2254.6	2233.7	2157.6	2012.7	1822.3	1663.9	1532.5	1446.6	1406.1
2341.8	12.5°	2341.8	2334.4	2297.6	2141.6	1875.2	1578.0	1359.4	1213.3	1133.4	1097.8
2435.1	15°	2437.6	2427.7	2355.3	2065.5	1675.0	1307.8	1107.7	998.4	946.8	914.9
2554.2	17.5°	2556.7	2539.5	2398.3	1951.3	1457.6	1101.5	952.9	870.6	825.2	794.5
2710.2	20°	2711.4	2683.2	2432.7	1815.0	1257.5	971.3	848.5	779.8	745.4	718.4
2931.2	22.5°	2927.5	2887.0	2474.4	1667.6	1116.2	881.7	771.2	720.8	692.6	661.9
3239.5	25°	3195.2	3147.4	2526.0	1531.3	1019.2	804.3	714.7	672.9	639.8	604.2
3643.5	27.5°	3569.8	3483.8	2587.4	1419.6	935.7	738.0	663.1	616.5	578.4	548.9
4101.5	30°	3987.3	3846.1	2641.4	1352.0	859.6	676.6	595.6	548.9	513.3	492.4
4512.9	32.5°	4382.7	4191.2	2677.0	1322.6	790.8	606.6	521.9	471.6	444.5	438.4
4915.7	35°	4756.0	4503.1	2673.3	1294.3	729.4	536.6	449.4	397.9	377.0	380.7
5349.2	37.5°	5185.8	4835.8	2647.6	1250.1	679.1	472.8	386.8	341.4	323.0	324.2
5876.0	40°	5685.6	5220.2	2631.6	1166.6	623.8	413.8	335.2	298.4	284.9	280.0
6431.0	42.5°	6218.6	5592.3	2634.1	1072.0	555.1	361.0	299.6	268.9	256.7	253.0
7048.7	45°	6754.0	5947.2	2637.7	973.8	482.6	320.5	273.8	248.1	240.7	235.8
7675.0	47.5°	7257.5	6249.3	2569.0	868.2	411.4	289.8	253.0	235.8	229.6	223.5
8303.7	50°	7726.6	6450.7	2403.2	745.4	354.9	265.2	237.0	224.7	218.6	212.4
8873.5	52.5°	8091.3	6482.6	2129.3	618.9	315.6	246.8	227.2	216.1	208.8	202.6
9334.0	55°	8253.4	6282.4	1740.1	501.0	284.9	230.9	217.4	206.3	197.7	191.6
9696.3	57.5°	8211.6	5861.2	1356.9	402.8	255.4	214.9	205.1	197.7	187.9	178.1
9989.8	60°	8006.5	5297.6	1022.9	335.2	228.4	197.7	191.6	185.4	171.9	157.2
10102.7	62.5°	7651.6	4589.0	729.4	277.5	198.9	178.1	175.6	170.7	151.0	124.0
9935.7	65°	7108.9	3728.2	491.2	230.9	170.7	156.0	157.2	148.6	122.8	92.1
9324.2	67.5°	6315.6	2726.2	314.4	189.1	142.4	130.2	131.4	126.5	104.4	78.6
8164.9	70°	5304.9	1805.2	205.1	143.7	114.2	100.7	108.1	109.3	88.4	63.9
6266.5	72.5°	3889.1	1065.9	143.7	106.8	83.5	70.0	88.4	90.9	71.2	47.9
3769.9	75°	2216.5	505.9	108.1	77.4	51.6	49.1	68.8	68.8	49.1	31.9
1632.0	77.5°	930.8	211.2	76.1	50.3	29.5	28.2	46.7	43.0	24.6	14.7
397.9	80°	268.9	94.6	40.5	24.6	12.3	11.1	18.4	13.5	6.1	2.5
151.0	82.5°	105.6	41.8	16.0	9.8	4.9	4.9	2.5	0.0	0.0	0.0
86.0	85°	62.6	17.2	7.4	3.7	1.2	0.0	0.0	0.0	0.0	0.0
18.4	87.5°	16.0	3.7	2.5	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°
2130.6
2115.8
2025.0
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