

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: P850077

Luminaire Tested: **GLAN-SB7B-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850077
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-SB7B-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 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: 21189 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

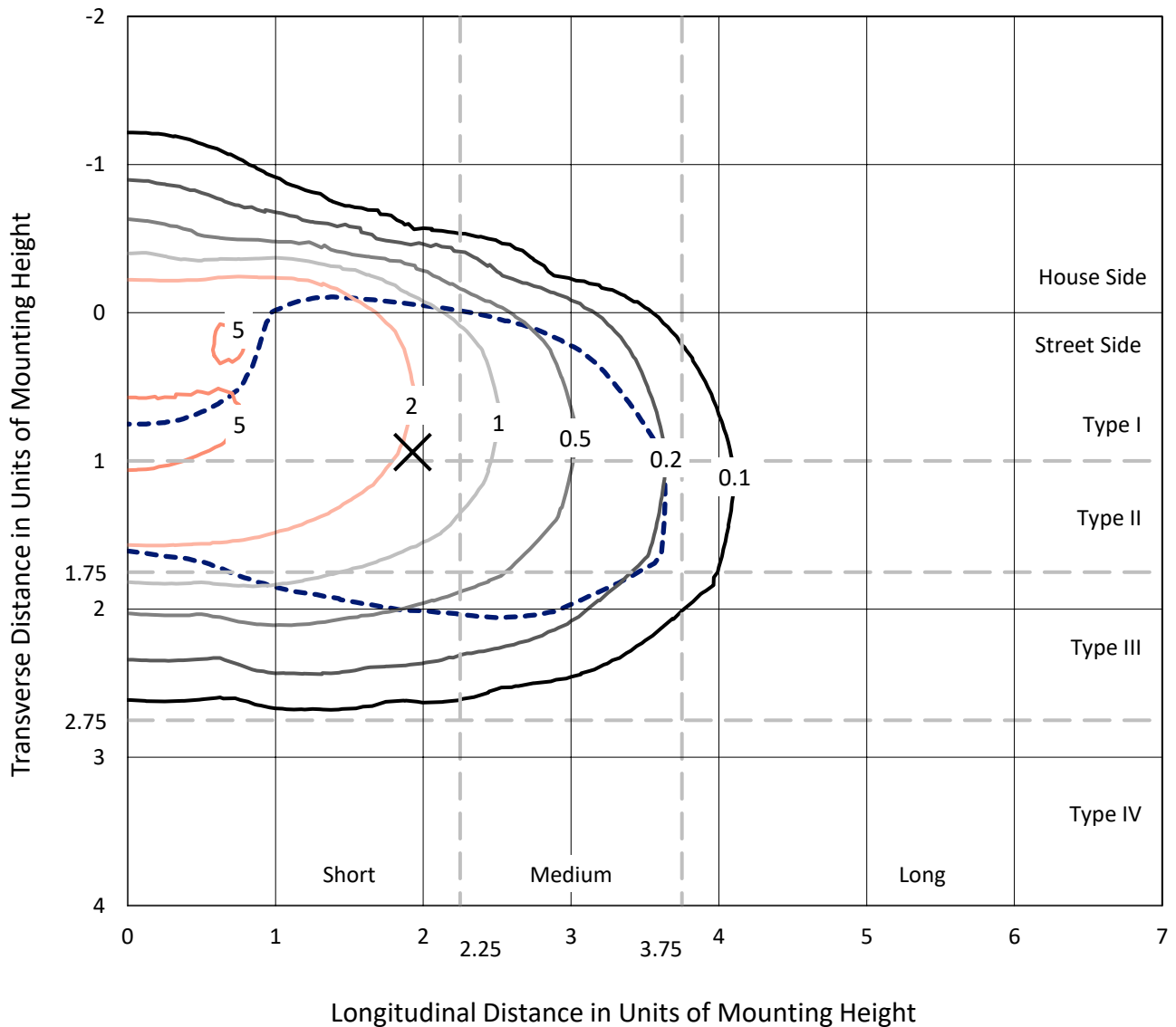
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

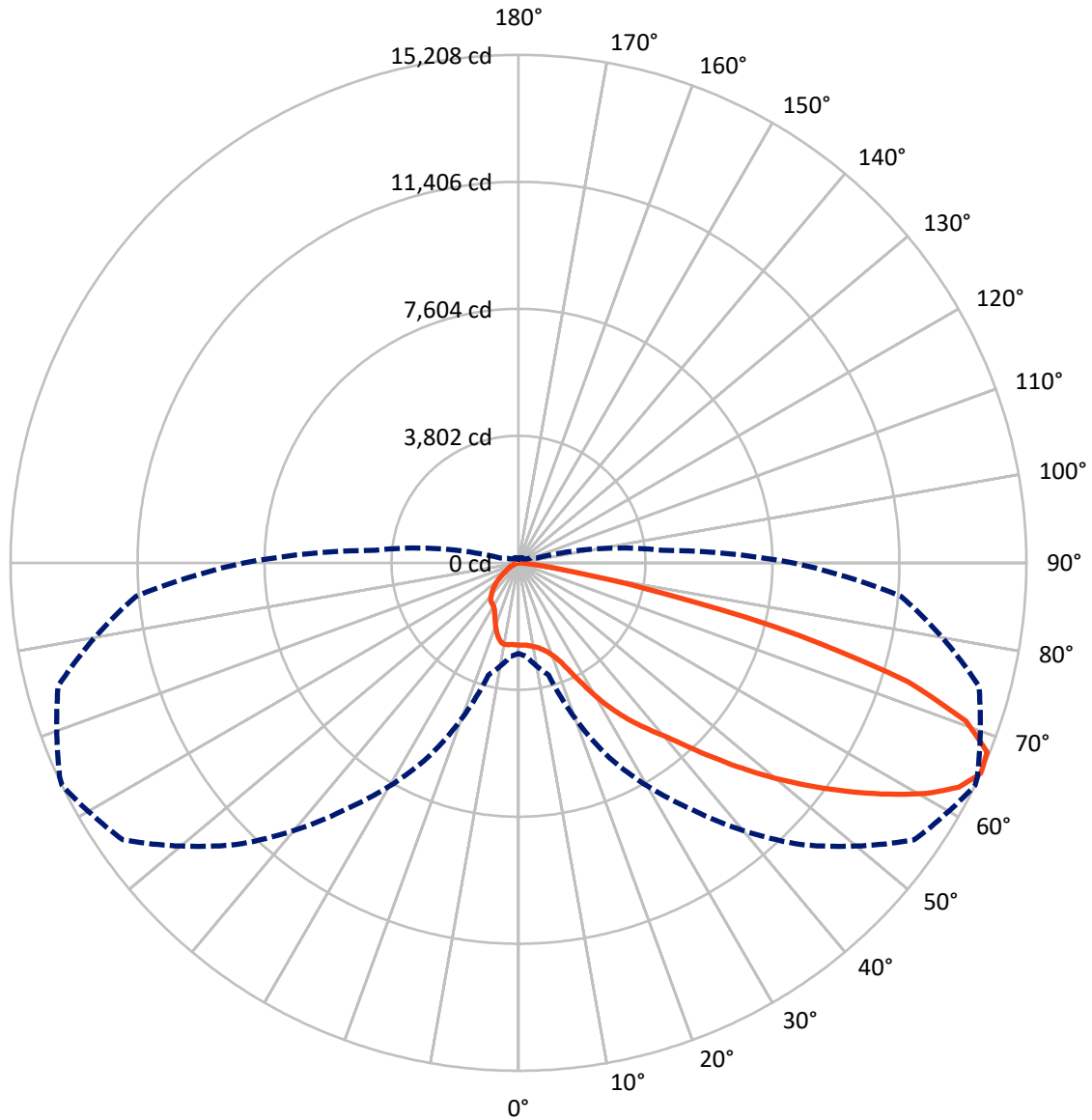
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	2833.6	0.0	2833.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	18355.4	0.0	18355.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	21189.0	0.0	21189.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.4	1.1
10°-20°	616.7	2.9
20°-30°	1168.6	5.5
30°-40°	2364.7	11.2
40°-50°	4028.3	19.0
50°-60°	5478.2	25.9
60°-70°	5144.3	24.3
70°-80°	2061.0	9.7
80°-90°	99.8	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°	21189.0	100.0
0°-180°	21189.0	100.0

Coefficient of Utilization



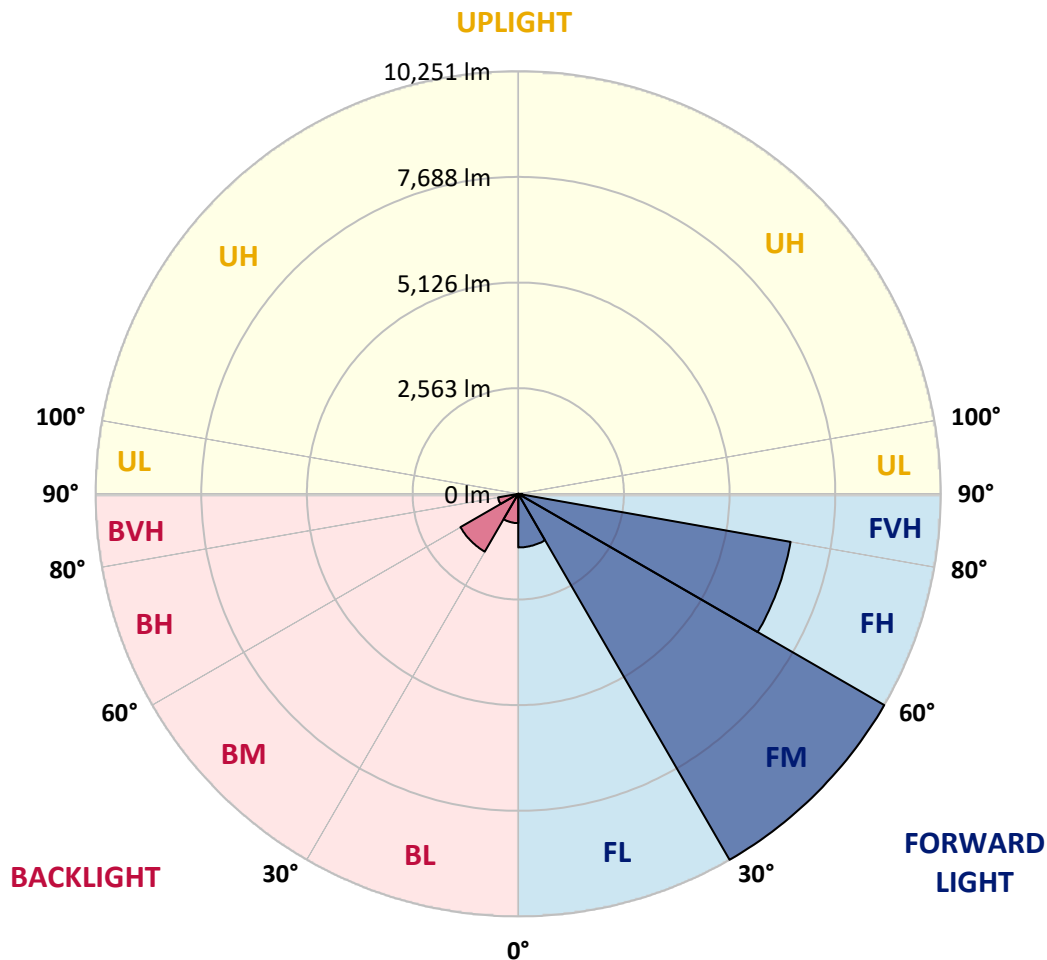
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1301.2	6.1			
FM (30°-60°)	10251.2	48.4			
FH (60°-80°)	6708.0	31.7			G3/7500
FVH (80°-90°)	95.0	0.4			G1/100
BL (0°-30°)	711.4	3.4	B2/1000		
BM (30°-60°)	1619.9	7.6	B2/2500		
BH (60°-80°)	497.3	2.3	B1/500		G1/500
BVH (80°-90°)	4.9	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°	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5
2.5°	2456.0	2473.0	2468.8	2464.5	2463.1	2465.9	2467.3	2465.9	2465.9	2465.9
5°	2409.1	2423.3	2423.3	2433.3	2447.5	2464.5	2477.3	2480.1	2483.0	2487.2
7.5°	2319.6	2331.0	2339.5	2372.2	2407.7	2453.1	2491.5	2511.4	2514.2	2529.8
10°	2258.5	2272.7	2286.9	2321.0	2372.2	2440.4	2505.7	2554.0	2561.1	2598.0
12.5°	2255.7	2269.9	2288.4	2325.3	2385.0	2457.4	2536.9	2606.5	2619.3	2673.3
15°	2285.5	2302.6	2319.6	2365.1	2429.0	2517.1	2602.3	2688.9	2701.7	2778.4
17.5°	2346.6	2369.3	2382.1	2427.6	2495.8	2593.8	2706.0	2805.4	2816.8	2906.3
20°	2467.3	2494.3	2498.6	2535.5	2602.3	2707.4	2840.9	2964.5	2978.7	3081.0
22.5°	2717.3	2755.7	2721.6	2740.1	2799.7	2904.8	3049.7	3206.0	3225.9	3342.3
25°	3157.7	3211.7	3123.6	3092.3	3117.9	3227.3	3409.1	3606.6	3629.3	3723.0
27.5°	4022.7	3953.1	3819.6	3688.9	3612.2	3674.7	3879.3	4123.6	4152.0	4242.9
30°	4973.0	4912.0	4731.6	4441.8	4260.0	4250.0	4438.9	4711.7	4744.3	4831.0
32.5°	5924.7	5866.5	5670.5	5313.9	4998.6	4842.4	4973.0	5275.6	5292.6	5348.0
35°	6860.8	6801.2	6605.1	6240.1	5852.3	5497.2	5471.6	5812.5	5818.2	5876.4
37.5°	7802.6	7752.9	7544.1	7186.1	6804.0	6314.0	6076.7	6321.1	6328.2	6385.0
40°	8474.5	8495.8	8352.3	8075.3	7747.2	7211.7	6755.7	6862.2	6819.6	6914.8
42.5°	9051.2	9093.8	8968.8	8829.6	8639.2	8167.7	7596.6	7578.2	7510.0	7561.1
45°	9549.8	9585.3	9473.1	9440.4	9436.1	9105.2	8515.7	8404.9	8309.7	8299.8
47.5°	9733.0	9801.2	9849.5	9958.9	10171.9	10032.7	9466.0	9294.1	9187.5	9109.4
50°	9802.6	9875.0	10039.8	10358.0	10862.3	10921.9	10412.0	10218.8	10088.1	9946.1
52.5°	9708.9	9838.1	10059.7	10595.2	11326.8	11635.0	11319.7	11150.6	11001.5	10769.9
55°	9156.3	9285.6	9738.7	10592.4	11558.3	12135.0	12177.6	12102.3	11934.7	11569.7
57.5°	7991.5	8183.3	8900.6	10231.6	11554.0	12565.4	13018.5	13072.5	12885.0	12362.3
60°	6377.9	6637.8	7512.8	9431.9	11197.5	12798.4	13755.7	14025.6	13826.8	13143.5
62.5°	4450.3	4751.4	5579.6	8179.0	10382.2	12630.7	14294.1	14792.7	14642.1	13842.4
65°	2714.5	2811.1	3478.7	6436.1	8995.8	11929.0	14460.3	15207.5	15157.7	14270.0
67.5°	1808.2	1889.2	2081.0	4413.4	6983.0	10527.0	14062.6	15135.0	15149.2	14200.4
70°	1089.5	1159.1	1284.1	2566.8	4525.6	8332.4	12831.0	14211.7	14294.1	13270.0
72.5°	448.9	495.7	609.4	1163.4	2343.8	5288.4	10217.4	12201.8	12393.5	11157.7
75°	254.3	278.4	358.0	583.8	1017.1	2464.5	6189.0	8662.0	8944.6	7690.4
77.5°	169.0	180.4	231.5	377.8	572.4	840.9	2644.9	4512.8	5052.6	4200.3
80°	113.6	123.6	159.1	252.8	372.2	360.8	842.3	1671.9	2056.8	1443.2
82.5°	76.7	78.1	113.6	166.2	235.8	174.7	248.6	519.9	653.4	417.6
85°	44.0	42.6	83.8	96.6	105.1	72.4	75.3	156.3	204.5	176.1
87.5°	5.7	8.5	32.7	25.6	14.2	15.6	15.6	27.0	39.8	42.6
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°
2464.5	0°	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5	2464.5
2467.3	2.5°	2467.3	2465.9	2461.7	2457.4	2447.5	2441.8	2444.6	2441.8	2440.4	2441.8
2485.8	5°	2485.8	2481.5	2470.2	2456.0	2436.1	2411.9	2396.3	2373.6	2352.3	2339.5
2535.5	7.5°	2535.5	2531.3	2515.6	2475.9	2411.9	2311.1	2218.8	2137.8	2076.7	2041.2
2615.1	10°	2615.1	2608.0	2583.8	2495.8	2328.1	2108.0	1924.7	1772.7	1673.3	1626.4
2708.8	12.5°	2708.8	2700.3	2657.7	2477.3	2169.0	1825.3	1572.5	1403.4	1311.1	1269.9
2816.8	15°	2819.6	2808.3	2724.4	2389.2	1937.5	1512.8	1281.3	1154.8	1095.2	1058.2
2954.6	17.5°	2957.4	2937.5	2774.2	2257.1	1686.1	1274.2	1102.3	1007.1	954.6	919.0
3135.0	20°	3136.4	3103.7	2813.9	2099.4	1454.6	1123.6	981.5	902.0	862.2	831.0
3390.6	22.5°	3386.4	3339.5	2862.2	1929.0	1291.2	1019.9	892.0	833.8	801.1	765.6
3747.2	25°	3696.0	3640.6	2921.9	1771.3	1179.0	930.4	826.7	778.4	740.1	698.9
4214.5	27.5°	4129.3	4029.8	2992.9	1642.1	1082.4	853.7	767.0	713.1	669.0	634.9
4744.3	30°	4612.2	4448.9	3055.4	1563.9	994.3	782.7	688.9	634.9	593.8	569.6
5220.2	32.5°	5069.6	4848.0	3096.6	1529.8	914.8	701.7	603.7	545.5	514.2	507.1
5686.1	35°	5501.4	5208.8	3092.3	1497.2	843.8	620.7	519.9	460.2	436.1	440.3
6187.5	37.5°	5998.6	5593.8	3062.5	1446.0	785.5	546.9	447.4	394.9	373.6	375.0
6796.9	40°	6576.7	6038.4	3044.0	1349.4	721.6	478.7	387.8	345.2	329.5	323.9
7439.0	42.5°	7193.2	6468.8	3046.9	1240.1	642.0	417.6	346.6	311.1	296.9	292.6
8153.4	45°	7812.5	6879.3	3051.2	1126.4	558.2	370.7	316.8	286.9	278.4	272.7
8877.9	47.5°	8394.9	7228.7	2971.6	1004.3	475.9	335.2	292.6	272.7	265.6	258.5
9605.2	50°	8937.5	7461.7	2779.8	862.2	410.5	306.8	274.1	259.9	252.8	245.7
10264.3	52.5°	9359.4	7498.6	2463.1	715.9	365.1	285.5	262.8	250.0	241.5	234.4
10796.9	55°	9546.9	7267.1	2012.8	579.5	329.5	267.0	251.4	238.6	228.7	221.6
11216.0	57.5°	9498.6	6779.9	1569.6	465.9	295.5	248.6	237.2	228.7	217.3	206.0
11555.5	60°	9261.4	6127.9	1183.2	387.8	264.2	228.7	221.6	214.5	198.9	181.8
11686.1	62.5°	8850.9	5308.3	843.8	321.0	230.1	206.0	203.1	197.4	174.7	143.5
11493.0	65°	8223.1	4312.5	568.2	267.0	197.4	180.4	181.8	171.9	142.0	106.5
10785.6	67.5°	7305.4	3153.4	363.6	218.8	164.8	150.6	152.0	146.3	120.7	90.9
9444.6	70°	6136.4	2088.1	237.2	166.2	132.1	116.5	125.0	126.4	102.3	73.9
7248.6	72.5°	4498.6	1233.0	166.2	123.6	96.6	81.0	102.3	105.1	82.4	55.4
4360.8	75°	2563.9	585.2	125.0	89.5	59.7	56.8	79.5	79.5	56.8	36.9
1887.8	77.5°	1076.7	244.3	88.1	58.2	34.1	32.7	54.0	49.7	28.4	17.0
460.2	80°	311.1	109.4	46.9	28.4	14.2	12.8	21.3	15.6	7.1	2.8
174.7	82.5°	122.2	48.3	18.5	11.4	5.7	5.7	2.8	0.0	0.0	0.0
99.4	85°	72.4	19.9	8.5	4.3	1.4	0.0	0.0	0.0	0.0	0.0
21.3	87.5°	18.5	4.3	2.8	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°
2464.5
2447.5
2342.3
2042.6
1622.2
1265.6
1059.7
916.2
825.3
759.9
694.6
627.8
565.3
511.4
440.3
380.7
322.4
291.2
272.7
258.5
245.7
233.0
220.2
204.5
179.0
140.6
103.7
86.6
71.0
52.6
34.1
17.0
2.8
0.0
0.0
0.0
0.0

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