

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: P849557

Luminaire Tested: **GLAN-SB6C-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849557
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-SB6C-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA 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: 22937 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

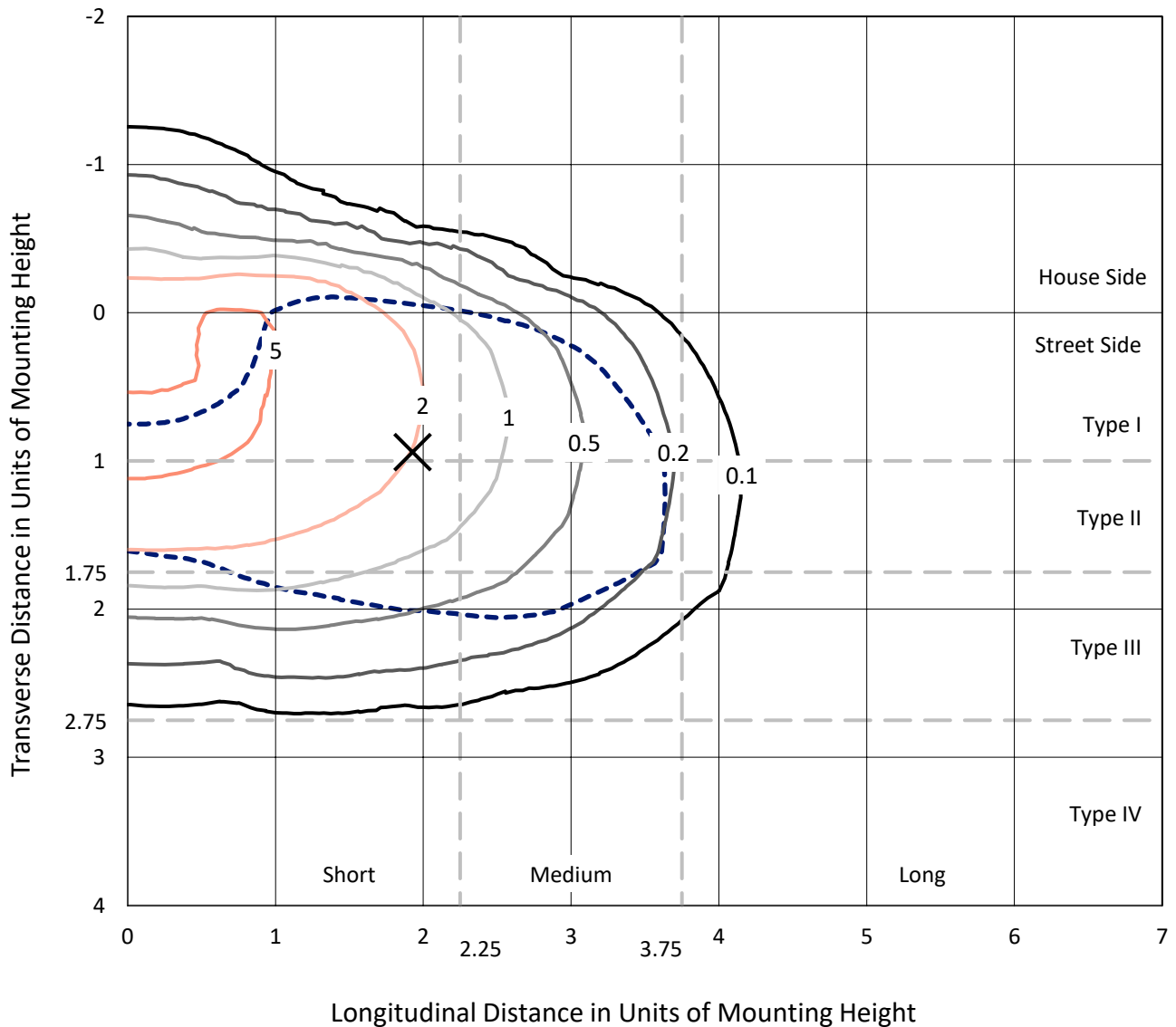
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

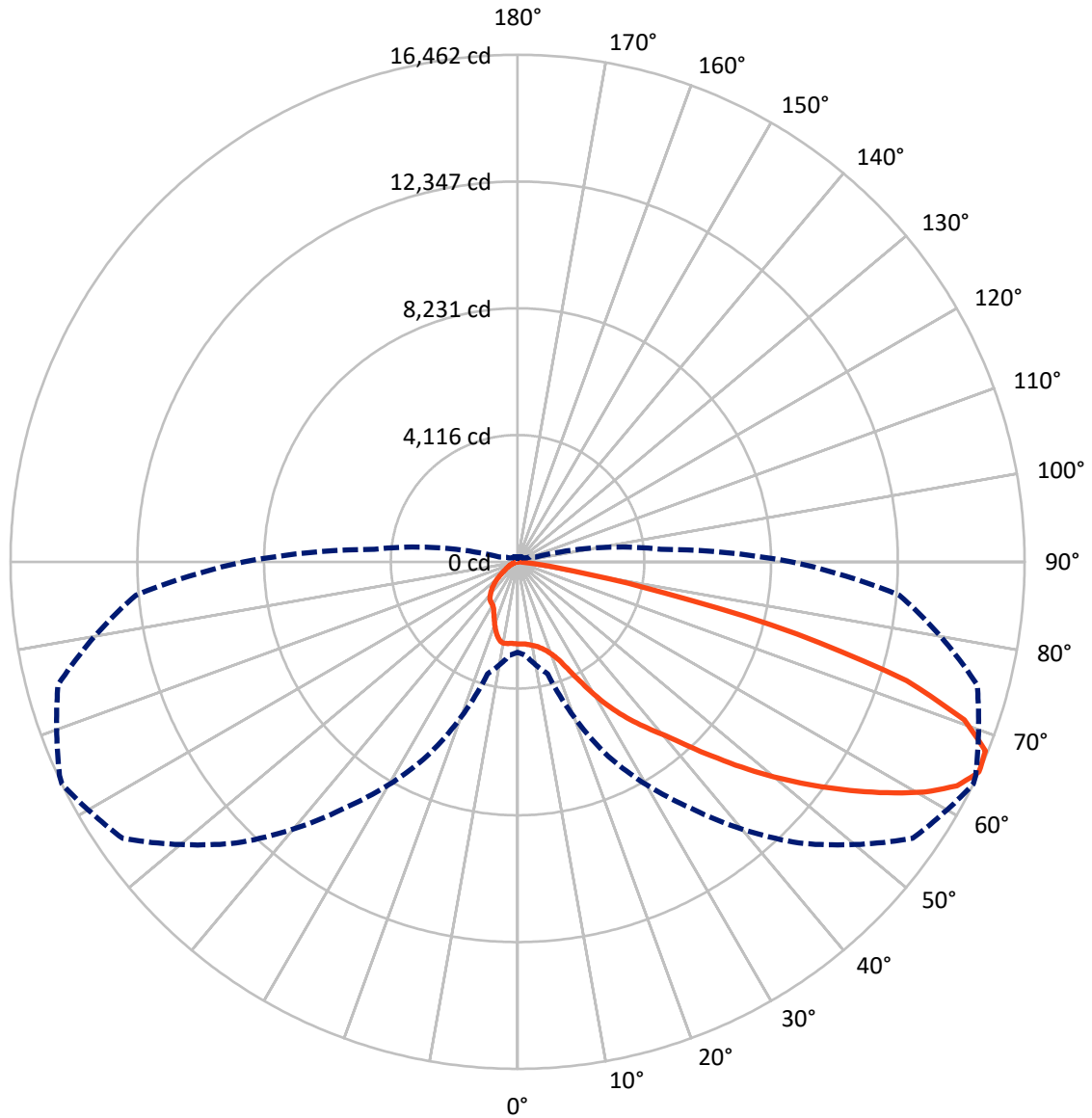
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	3067.4	0.0	3067.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	19869.6	0.0	19869.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	22937.0	0.0	22937.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.1	1.1
10°-20°	667.6	2.9
20°-30°	1265.0	5.5
30°-40°	2559.8	11.2
40°-50°	4360.6	19.0
50°-60°	5930.1	25.9
60°-70°	5568.7	24.3
70°-80°	2231.0	9.7
80°-90°	108.1	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°	22937.0	100.0
0°-180°	22937.0	100.0

Coefficient of Utilization



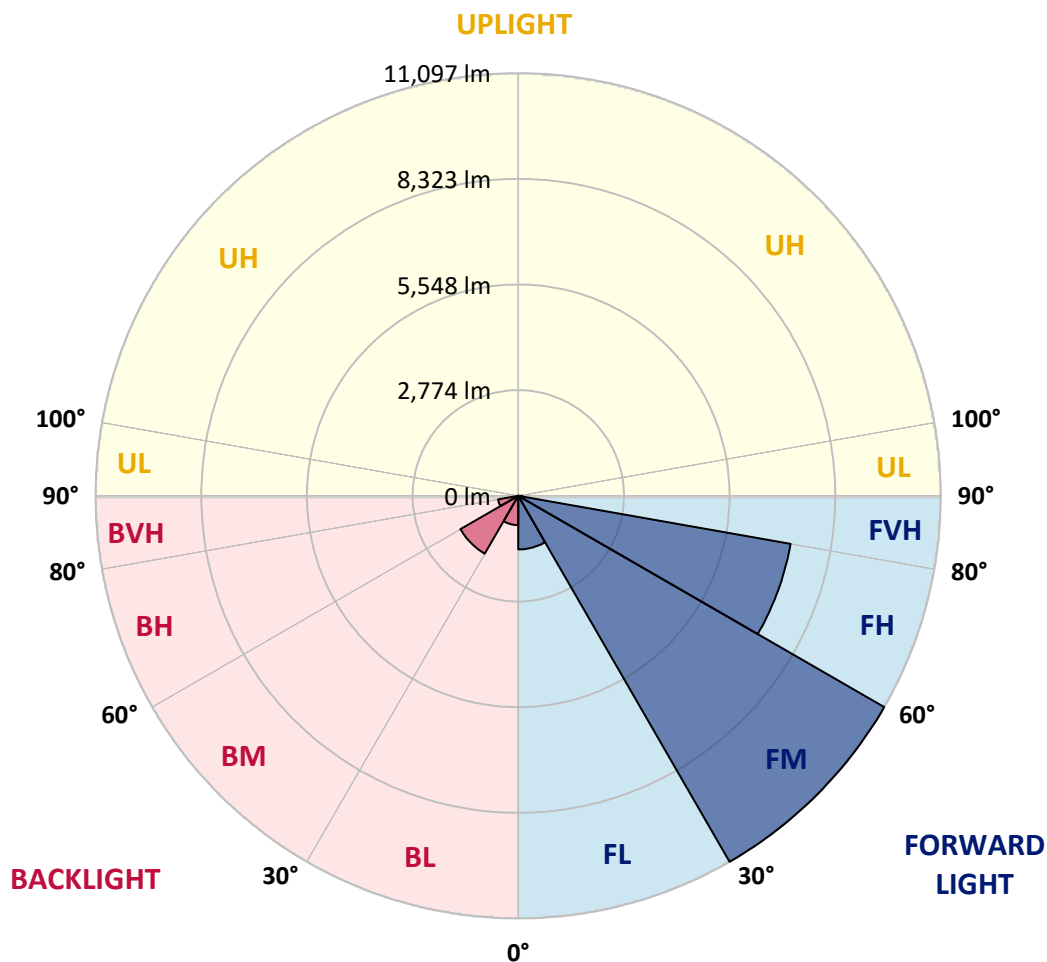
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1408.6	6.1			
FM (30°-60°)	11096.9	48.4			
FH (60°-80°)	7261.3	31.7			G3/7500
FVH (80°-90°)	102.8	0.4			G2/225
BL (0°-30°)	770.1	3.4	B2/1000		
BM (30°-60°)	1753.6	7.6	B2/2500		
BH (60°-80°)	538.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.3	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°	2667.8	2667.8	2667.8	2667.8	2667.8	2667.8	2667.8	2667.8	2667.8	2667.8
2.5°	2658.6	2677.0	2672.4	2667.8	2666.3	2669.3	2670.9	2669.3	2669.3	2669.3
5°	2607.8	2623.2	2623.2	2634.0	2649.4	2667.8	2681.7	2684.7	2687.8	2692.4
7.5°	2511.0	2523.3	2532.5	2567.9	2606.3	2655.5	2697.0	2718.6	2721.6	2738.5
10°	2444.9	2460.2	2475.6	2512.5	2567.9	2641.7	2712.4	2764.7	2772.4	2812.3
12.5°	2441.8	2457.2	2477.1	2517.1	2581.7	2660.1	2746.2	2821.6	2835.4	2893.8
15°	2474.1	2492.5	2511.0	2560.2	2629.4	2724.7	2817.0	2910.8	2924.6	3007.6
17.5°	2540.2	2564.8	2578.6	2627.8	2701.6	2807.7	2929.2	3036.8	3049.1	3146.0
20°	2670.9	2700.1	2704.7	2744.7	2817.0	2930.7	3075.3	3209.1	3224.4	3335.1
22.5°	2941.5	2983.0	2946.1	2966.1	3030.7	3144.5	3301.3	3470.5	3492.0	3618.1
25°	3418.2	3476.6	3381.3	3347.4	3375.1	3493.5	3690.3	3904.1	3928.7	4030.2
27.5°	4354.6	4279.3	4134.7	3993.3	3910.2	3977.9	4199.3	4463.8	4494.5	4592.9
30°	5383.3	5317.2	5121.9	4808.2	4611.4	4600.6	4805.1	5100.4	5135.7	5229.5
32.5°	6413.5	6350.5	6138.3	5752.3	5411.0	5241.8	5383.3	5710.8	5729.3	5789.2
35°	7426.8	7362.2	7150.0	6754.9	6335.1	5950.7	5923.0	6292.0	6298.2	6361.2
37.5°	8446.3	8392.5	8166.4	7778.9	7365.3	6834.8	6578.0	6842.5	6850.2	6911.7
40°	9173.6	9196.6	9041.3	8741.5	8386.3	7806.6	7313.0	7428.4	7382.2	7485.2
42.5°	9797.9	9844.0	9708.7	9558.0	9351.9	8841.4	8223.3	8203.3	8129.5	8184.9
45°	10337.6	10376.0	10254.5	10219.2	10214.6	9856.3	9218.2	9098.2	8995.2	8984.5
47.5°	10535.9	10609.7	10662.0	10780.4	11011.1	10860.4	10246.9	10060.8	9945.5	9860.9
50°	10611.3	10689.7	10868.1	11212.5	11758.4	11822.9	11270.9	11061.8	10920.3	10766.6
52.5°	10509.8	10649.7	10889.6	11469.3	12261.2	12594.8	12253.5	12070.5	11909.0	11658.4
55°	9911.6	10051.6	10542.1	11466.2	12511.8	13136.1	13182.2	13100.7	12919.3	12524.1
57.5°	8650.8	8858.4	9634.9	11075.6	12507.2	13602.0	14092.5	14150.9	13948.0	13382.1
60°	6904.0	7185.4	8132.6	10210.0	12121.2	13854.2	14890.5	15182.7	14967.4	14227.8
62.5°	4817.4	5143.4	6039.9	8853.8	11238.6	13672.7	15473.3	16013.0	15850.0	14984.3
65°	2938.4	3043.0	3765.7	6967.1	9737.9	12913.1	15653.2	16462.0	16408.2	15447.2
67.5°	1957.4	2045.1	2252.6	4777.5	7559.1	11395.5	15222.7	16383.6	16399.0	15371.8
70°	1179.4	1254.7	1390.0	2778.5	4898.9	9019.8	13889.5	15384.1	15473.3	14364.7
72.5°	485.9	536.6	659.6	1259.3	2537.1	5724.6	11060.3	13208.4	13415.9	12078.2
75°	275.2	301.4	387.5	632.0	1101.0	2667.8	6699.5	9376.5	9682.5	8324.8
77.5°	183.0	195.3	250.6	409.0	619.7	910.3	2863.1	4885.1	5469.4	4546.8
80°	123.0	133.8	172.2	273.7	402.9	390.6	911.8	1809.8	2226.5	1562.2
82.5°	83.0	84.6	123.0	179.9	255.2	189.1	269.1	562.8	707.3	452.1
85°	47.7	46.1	90.7	104.6	113.8	78.4	81.5	169.1	221.4	190.7
87.5°	6.2	9.2	35.4	27.7	15.4	16.9	16.9	29.2	43.1	46.1
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°
2667.8	0°	2667.8	2667.8	2667.8	2667.8	2667.8	2667.8	2667.8	2667.8	2667.8	2667.8
2670.9	2.5°	2670.9	2669.3	2664.7	2660.1	2649.4	2643.2	2646.3	2643.2	2641.7	2643.2
2690.9	5°	2690.9	2686.3	2674.0	2658.6	2637.1	2610.9	2594.0	2569.4	2546.3	2532.5
2744.7	7.5°	2744.7	2740.1	2723.2	2680.1	2610.9	2501.7	2401.8	2314.2	2248.0	2209.6
2830.8	10°	2830.8	2823.1	2797.0	2701.6	2520.2	2281.9	2083.5	1919.0	1811.3	1760.6
2932.3	12.5°	2932.3	2923.1	2876.9	2681.7	2348.0	1975.9	1702.2	1519.2	1419.2	1374.7
3049.1	15°	3052.2	3039.9	2949.2	2586.3	2097.3	1637.6	1387.0	1250.1	1185.5	1145.5
3198.3	17.5°	3201.4	3179.8	3003.0	2443.3	1825.2	1379.3	1193.2	1090.2	1033.3	994.9
3393.6	20°	3395.1	3359.8	3046.1	2272.6	1574.5	1216.3	1062.5	976.4	933.3	899.5
3670.4	22.5°	3665.7	3615.0	3098.4	2088.1	1397.7	1104.0	965.6	902.6	867.2	828.8
4056.3	25°	4000.9	3941.0	3162.9	1917.4	1276.2	1007.2	894.9	842.6	801.1	756.5
4562.2	27.5°	4469.9	4362.3	3239.8	1777.5	1171.7	924.1	830.3	771.9	724.2	687.3
5135.7	30°	4992.7	4815.9	3307.5	1692.9	1076.4	847.2	745.8	687.3	642.7	616.6
5650.8	32.5°	5487.8	5248.0	3352.1	1656.0	990.2	759.6	653.5	590.5	556.6	548.9
6155.2	35°	5955.3	5638.5	3347.4	1620.7	913.4	672.0	562.8	498.2	472.1	476.7
6698.0	37.5°	6493.5	6055.2	3315.2	1565.3	850.3	592.0	484.4	427.5	404.4	405.9
7357.6	40°	7119.3	6536.5	3295.2	1460.8	781.1	518.2	419.8	373.6	356.7	350.6
8052.6	42.5°	7786.6	7002.4	3298.2	1342.4	695.0	452.1	375.2	336.7	321.4	316.8
8826.1	45°	8457.0	7446.8	3302.9	1219.4	604.3	401.3	342.9	310.6	301.4	295.2
9610.3	47.5°	9087.5	7825.1	3216.7	1087.1	515.1	362.9	316.8	295.2	287.5	279.9
10397.5	50°	9674.9	8077.2	3009.2	933.3	444.4	332.1	296.8	281.4	273.7	266.0
11111.0	52.5°	10131.5	8117.2	2666.3	775.0	395.2	309.1	284.5	270.6	261.4	253.7
11687.6	55°	10334.5	7866.6	2178.8	627.4	356.7	289.1	272.2	258.3	247.6	239.9
12141.2	57.5°	10282.2	7339.2	1699.1	504.3	319.8	269.1	256.8	247.6	235.3	223.0
12508.7	60°	10025.4	6633.4	1280.9	419.8	286.0	247.6	239.9	232.2	215.3	196.8
12650.2	62.5°	9581.1	5746.2	913.4	347.5	249.1	223.0	219.9	213.7	189.1	155.3
12441.1	65°	8901.4	4668.3	615.1	289.1	213.7	195.3	196.8	186.1	153.8	115.3
11675.3	67.5°	7908.1	3413.6	393.6	236.8	178.4	163.0	164.5	158.4	130.7	98.4
10223.8	70°	6642.6	2260.3	256.8	179.9	143.0	126.1	135.3	136.9	110.7	80.0
7846.6	72.5°	4869.7	1334.7	179.9	133.8	104.6	87.6	110.7	113.8	89.2	60.0
4720.6	75°	2775.4	633.5	135.3	96.9	64.6	61.5	86.1	86.1	61.5	40.0
2043.5	77.5°	1165.5	264.5	95.3	63.0	36.9	35.4	58.4	53.8	30.8	18.5
498.2	80°	336.7	118.4	50.7	30.8	15.4	13.8	23.1	16.9	7.7	3.1
189.1	82.5°	132.2	52.3	20.0	12.3	6.2	6.2	3.1	0.0	0.0	0.0
107.6	85°	78.4	21.5	9.2	4.6	1.5	0.0	0.0	0.0	0.0	0.0
23.1	87.5°	20.0	4.6	3.1	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

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180°
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2667.8
2649.4
2535.6
2211.1
1756.0
1370.0
1147.1
991.8
893.4
822.6
751.9
679.6
612.0
553.6
476.7
412.1
349.0
315.2
295.2
279.9
266.0
252.2
238.3
221.4
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