

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: P852442

Luminaire Tested: **GLAN-SB3D-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852442
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-SB3D-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 900mA 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: 20558 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

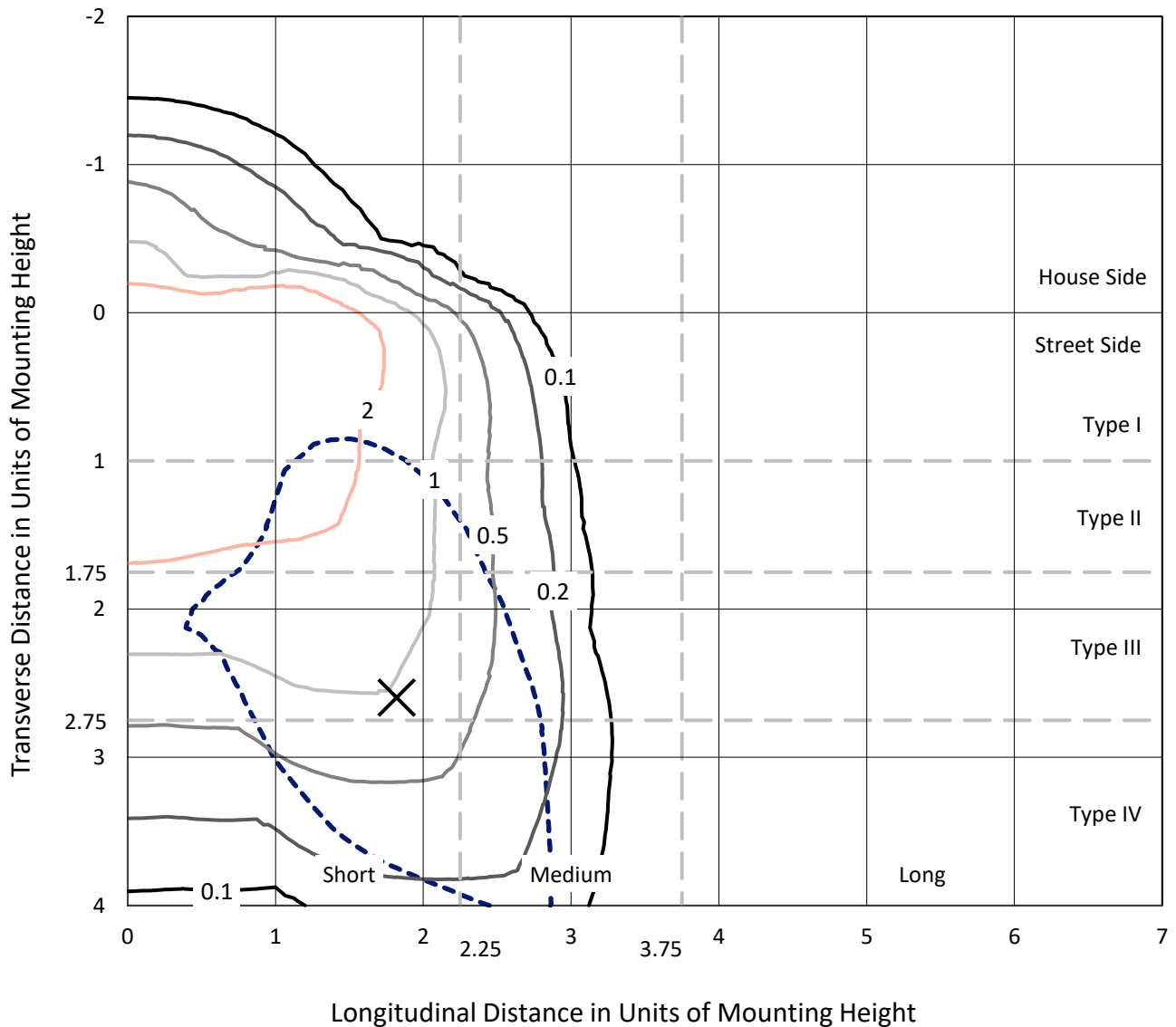
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

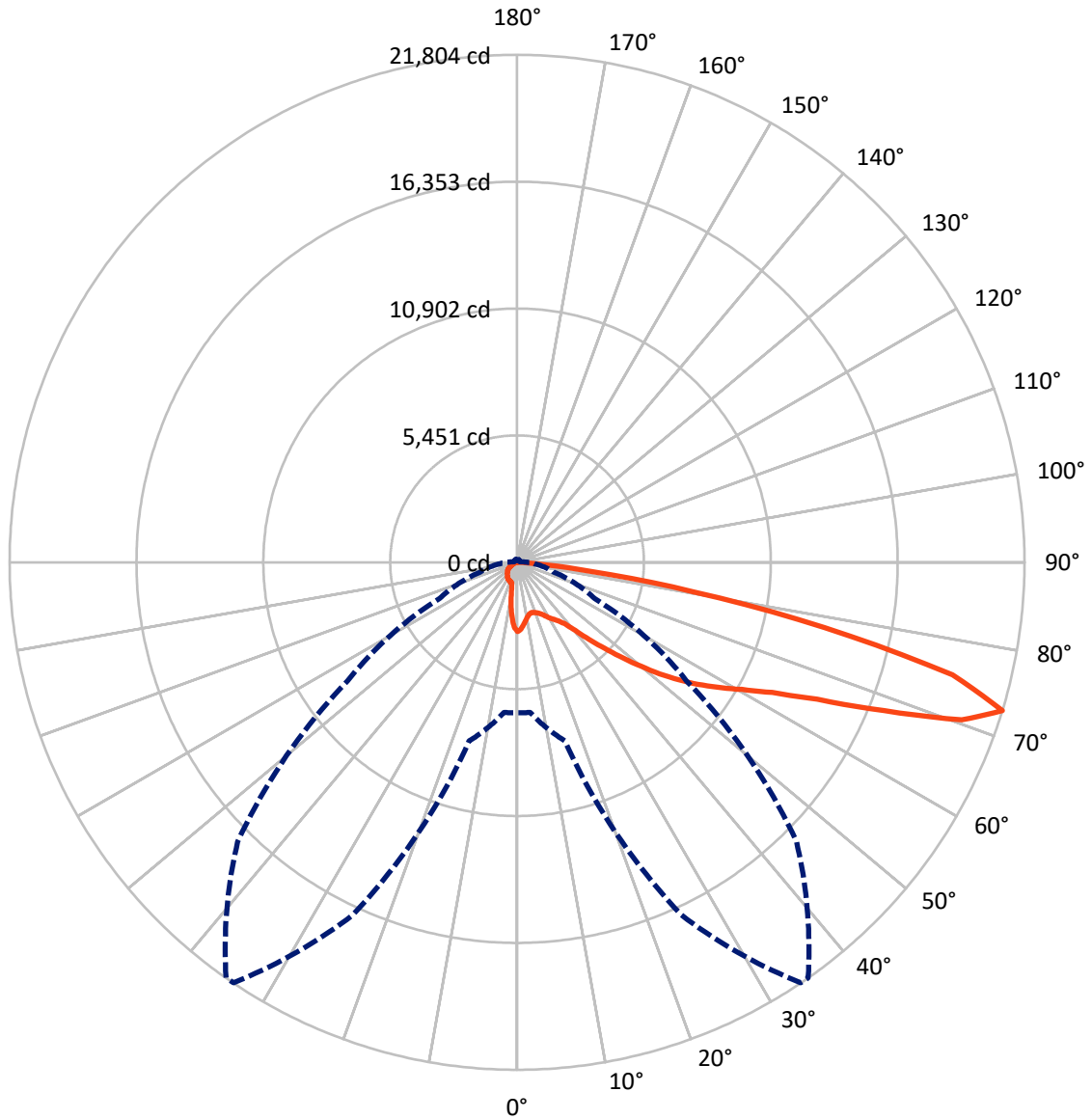
✕ Max cd
 - - - 1/2 Max cd



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	2313.7	0.0	2313.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	18244.3	0.0	18244.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	20558.0	0.0	20558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.8	1.2
10°-20°	572.8	2.8
20°-30°	930.5	4.5
30°-40°	1552.5	7.6
40°-50°	2937.3	14.3
50°-60°	4667.3	22.7
60°-70°	5773.8	28.1
70°-80°	3589.0	17.5
80°-90°	290.0	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°	20558.0	100.0
0°-180°	20558.0	100.0

Coefficient of Utilization

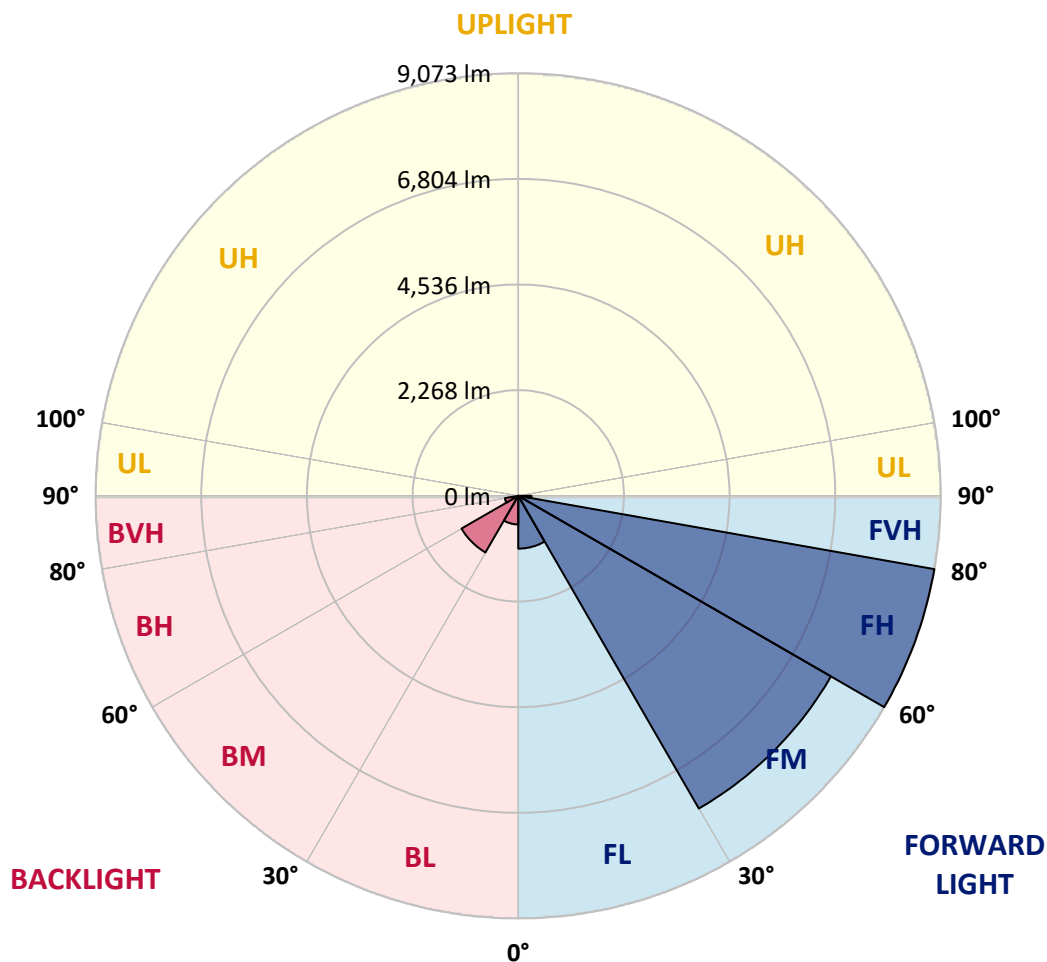


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1133.3	5.5			
FM (30°-60°)	7752.4	37.7			
FH (60°-80°)	9072.5	44.1			G4/12000
FVH (80°-90°)	286.1	1.4			G3/500
BL (0°-30°)	614.8	3.0	B2/1000		
BM (30°-60°)	1404.6	6.8	B2/2500		
BH (60°-80°)	290.3	1.4	B1/500		G1/500
BVH (80°-90°)	3.9	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5
2.5°	2847.0	2871.1	2875.6	2883.1	2883.1	2892.2	2907.2	2928.3	2963.0	2981.0
5°	2624.0	2642.1	2664.7	2682.8	2717.4	2722.0	2780.7	2837.9	2917.8	2978.0
7.5°	2399.6	2420.7	2450.8	2494.5	2539.7	2553.2	2642.1	2738.5	2865.1	2978.0
10°	2241.4	2242.9	2270.1	2313.7	2386.0	2402.6	2511.1	2648.1	2806.3	2960.0
12.5°	2152.6	2163.1	2175.2	2208.3	2277.6	2288.1	2404.1	2565.3	2747.6	2949.4
15°	2152.6	2160.1	2167.6	2184.2	2239.9	2249.0	2351.4	2512.6	2717.4	2953.9
17.5°	2175.2	2187.2	2181.2	2200.8	2259.5	2265.5	2355.9	2497.5	2715.9	2982.6
20°	2229.4	2238.4	2226.4	2238.4	2297.2	2309.2	2402.6	2526.1	2741.5	3032.3
22.5°	2315.2	2319.8	2291.1	2300.2	2360.4	2375.5	2484.0	2607.5	2803.3	3112.1
25°	2423.7	2432.7	2389.1	2399.6	2456.8	2474.9	2599.9	2729.5	2901.2	3222.1
27.5°	2548.7	2553.2	2515.6	2514.1	2587.9	2613.5	2740.0	2880.1	3032.3	3360.6
30°	2691.8	2705.4	2669.2	2663.2	2756.6	2777.7	2902.7	3065.4	3225.1	3568.5
32.5°	2804.8	2815.4	2794.3	2809.3	2904.2	2920.8	3100.1	3327.5	3527.9	3863.8
35°	2967.5	2973.5	2925.3	2952.4	3060.9	3103.1	3369.7	3695.1	3909.0	4234.3
37.5°	3556.5	3556.5	3351.6	3217.5	3321.5	3359.1	3738.7	4157.5	4378.9	4731.4
40°	4371.4	4357.8	4058.1	3783.9	3770.4	3844.2	4264.5	4740.5	4986.0	5327.9
42.5°	5240.6	5219.5	4811.3	4540.1	4494.9	4520.5	4871.5	5459.0	5709.0	6055.5
45°	6011.8	6005.8	5632.2	5267.7	5186.3	5267.7	5629.2	6299.5	6478.8	6843.3
47.5°	6658.0	6658.0	6385.4	6147.4	6105.2	6153.4	6655.0	7231.9	7215.4	7682.3
50°	7402.2	7396.1	7137.0	7034.6	7078.3	7146.1	7836.0	8214.1	7977.6	8506.3
52.5°	7923.4	7959.5	7870.6	7854.1	8077.0	8194.5	9035.0	9175.1	8660.0	9288.1
55°	8336.1	8378.3	8480.7	8596.7	9026.0	9179.6	10196.4	10086.5	9230.9	9966.0
57.5°	8920.6	8860.3	9018.5	9247.4	9941.9	10127.1	11321.7	10946.6	9690.3	10515.8
60°	9630.0	9639.1	9666.2	9955.4	10856.2	11094.2	12430.3	11760.0	9985.5	10853.2
62.5°	10482.6	10496.2	10551.9	10996.3	12083.9	12308.3	13611.3	12425.8	10121.1	10758.3
65°	10423.9	10481.1	11103.2	12623.1	13950.2	14171.7	14989.6	12892.8	9916.2	9890.6
67.5°	9496.0	9589.4	10630.3	14566.3	16764.1	17011.1	16655.6	12984.7	9032.0	7691.4
70°	8278.9	8312.0	9563.8	16313.7	20022.3	20272.3	18146.9	11973.9	6853.9	4290.1
72.5°	6465.2	6472.7	7941.4	16718.9	21790.7	21804.3	16976.5	8888.9	3686.0	1647.9
75°	4618.4	4573.3	5318.9	13558.6	19171.2	19324.9	12727.1	4169.6	1408.4	778.8
77.5°	2476.4	2526.1	3009.7	8040.9	13243.8	13505.9	6944.2	1202.1	717.0	530.2
80°	765.2	807.4	1233.7	3681.5	7501.6	7659.7	2574.3	534.8	500.1	378.1
82.5°	241.0	250.1	575.4	1547.0	3113.6	3185.9	745.6	302.8	341.9	250.1
85°	69.3	70.8	256.1	576.9	769.7	784.8	209.4	117.5	195.8	155.2
87.5°	7.5	24.1	96.4	96.4	67.8	66.3	22.6	25.6	55.7	19.6
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°
2979.5	0°	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5	2979.5
2993.1	2.5°	2985.6	2987.1	2967.5	2934.4	2898.2	2868.1	2830.4	2800.3	2779.2	2773.2
3020.2	5°	3006.7	2996.1	2940.4	2839.5	2718.9	2615.0	2499.0	2407.1	2346.9	2321.3
3048.8	7.5°	3038.3	3008.2	2886.2	2687.3	2456.8	2252.0	2044.1	1882.9	1780.5	1729.3
3075.9	10°	3065.4	3005.2	2795.8	2467.4	2114.9	1804.6	1524.4	1330.1	1221.6	1170.4
3107.6	12.5°	3091.0	3003.6	2678.3	2206.8	1729.3	1349.7	1089.1	992.7	962.6	952.0
3158.8	15°	3139.2	3008.2	2530.7	1908.5	1345.2	1019.8	924.9	923.4	929.4	926.4
3237.1	17.5°	3205.5	3012.7	2363.4	1592.2	1037.9	899.3	894.8	908.3	917.4	912.8
3335.0	20°	3291.4	3030.8	2185.7	1278.9	891.8	869.2	879.7	891.8	899.3	891.8
3466.1	22.5°	3411.9	3062.4	1991.4	1027.3	845.1	851.1	860.1	873.7	881.2	870.7
3633.3	25°	3559.5	3112.1	1800.1	893.3	822.5	830.0	843.6	858.6	867.7	857.1
3844.2	27.5°	3750.8	3191.9	1623.8	863.1	799.9	804.4	824.0	846.6	858.6	845.1
4143.9	30°	4028.0	3323.0	1471.7	876.7	786.3	775.8	802.9	834.5	848.1	836.0
4552.2	32.5°	4395.5	3508.3	1378.3	897.8	780.3	742.6	768.2	808.9	831.5	824.0
5085.4	35°	4877.5	3790.0	1342.2	921.9	775.8	708.0	726.1	769.7	808.9	816.4
5757.2	37.5°	5462.0	4181.6	1352.7	932.4	762.2	679.4	688.4	726.1	777.3	801.4
6513.4	40°	6126.3	4638.0	1412.9	921.9	747.1	655.3	656.8	685.4	730.6	766.7
7326.8	42.5°	6811.7	5171.3	1524.4	882.7	733.6	634.2	629.7	649.2	679.4	705.0
8138.8	45°	7463.9	5719.6	1634.4	828.5	717.0	613.1	602.5	610.1	616.1	626.6
8929.6	47.5°	8033.3	6105.2	1602.7	778.8	694.4	589.0	570.9	567.9	549.8	548.3
9636.1	50°	8426.5	6189.6	1423.5	729.1	661.3	561.9	533.2	515.2	483.5	468.5
10164.8	52.5°	8551.5	5856.7	1162.9	679.4	607.1	525.7	485.0	456.4	417.3	403.7
10469.1	55°	8385.8	5204.4	929.4	619.1	531.7	477.5	432.3	394.7	363.0	346.5
10502.2	57.5°	7980.6	4374.4	735.1	548.3	451.9	423.3	378.1	340.4	313.3	296.7
10134.7	60°	7308.8	3473.6	581.4	464.0	385.6	364.5	317.8	293.7	269.6	250.1
9185.7	62.5°	6289.0	2479.4	456.4	367.5	322.4	298.3	271.1	253.1	224.4	197.3
7479.0	65°	4907.7	1516.9	352.5	269.6	259.1	247.0	230.5	213.9	179.3	152.1
4879.0	67.5°	3095.5	718.5	251.6	203.4	204.9	198.8	191.3	177.7	152.1	128.0
2185.7	70°	1363.2	348.0	165.7	155.2	152.1	152.1	158.2	153.6	129.5	107.0
759.2	72.5°	464.0	186.8	123.5	117.5	110.0	108.5	132.6	128.0	103.9	82.8
378.1	75°	242.5	125.0	90.4	84.4	66.3	79.8	105.4	99.4	73.8	54.2
250.1	77.5°	158.2	88.9	61.8	54.2	37.7	52.7	78.3	69.3	43.7	27.1
164.2	80°	99.4	58.7	36.2	25.6	18.1	28.6	42.2	30.1	16.6	6.0
96.4	82.5°	52.7	30.1	13.6	9.0	7.5	9.0	10.5	7.5	3.0	0.0
49.7	85°	21.1	10.5	4.5	3.0	1.5	0.0	3.0	1.5	0.0	0.0
9.0	87.5°	7.5	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

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180°
2979.5
2783.7
2330.3
1736.8
1171.9
949.0
924.9
911.3
890.2
869.2
855.6
845.1
834.5
824.0
816.4
807.4
778.8
715.5
632.7
546.8
470.0
402.2
346.5
293.7
245.5
192.8
147.6
125.0
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78.3
49.7
24.1
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