

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: P848277

Luminaire Tested: **GLAN-SB4D-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848277
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-SB4D-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 900mA 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: 31387 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

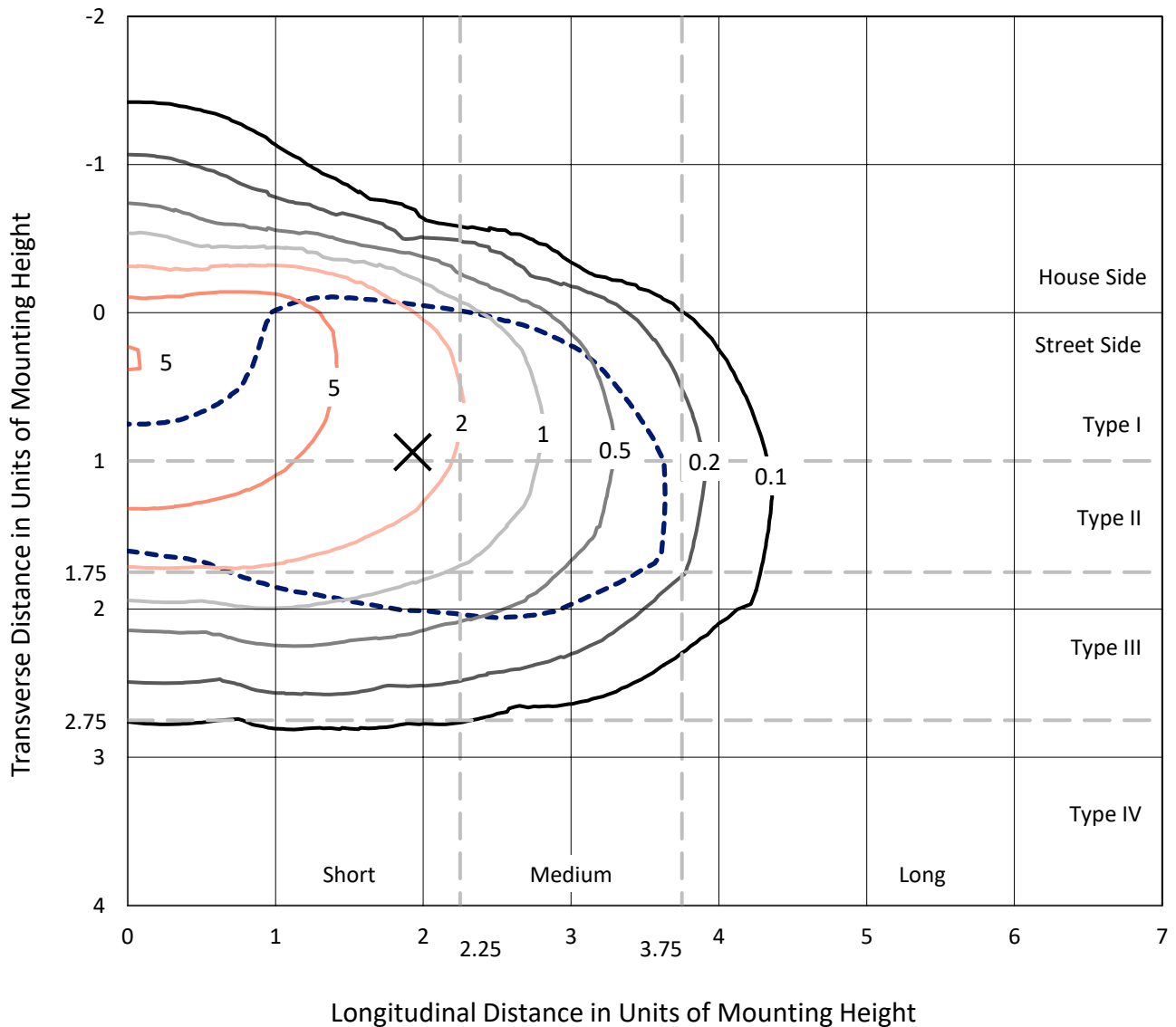
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

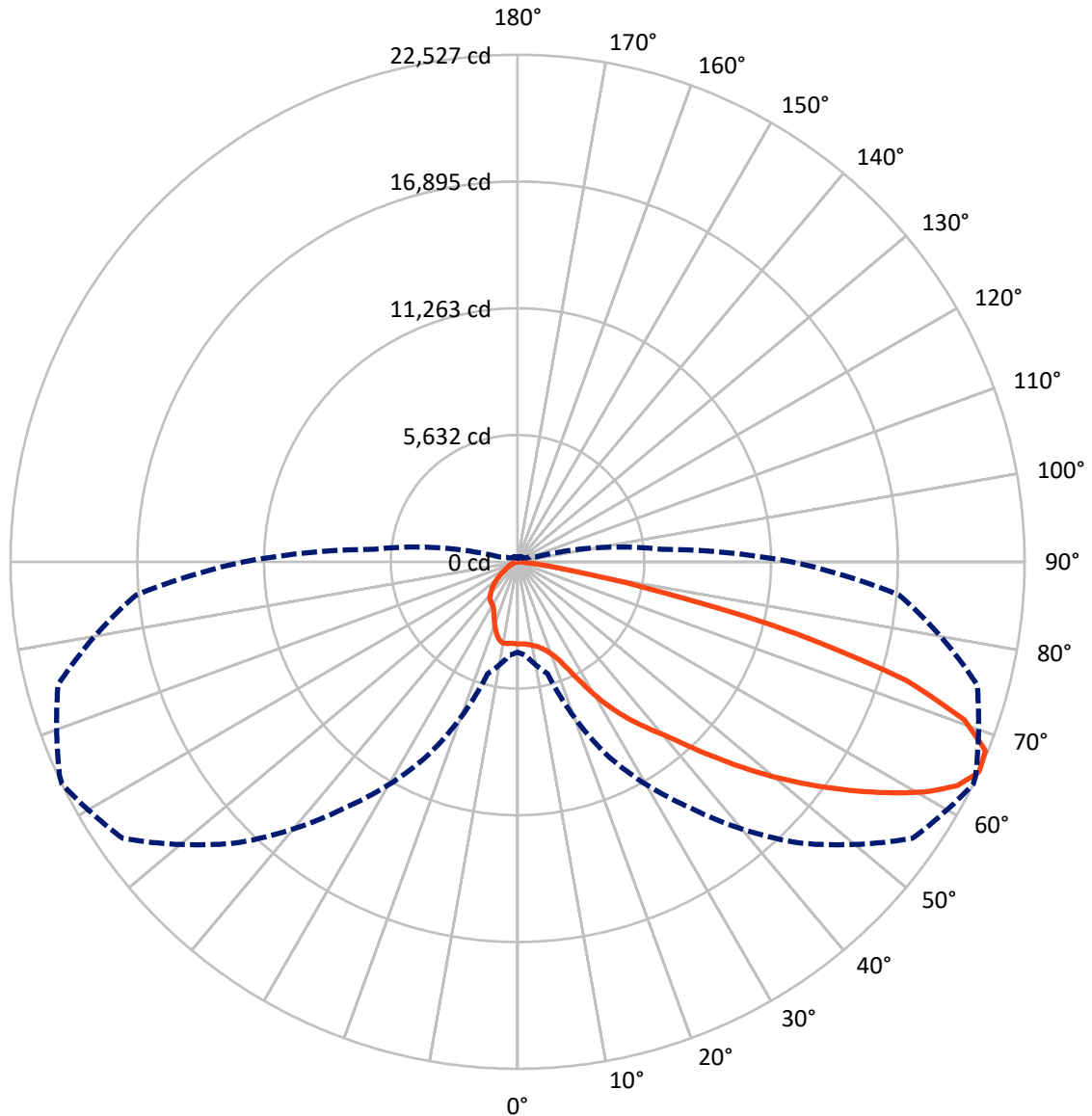
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	4197.4	0.0	4197.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	27189.6	0.0	27189.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	31387.0	0.0	31387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.8	1.1
10°-20°	913.5	2.9
20°-30°	1731.0	5.5
30°-40°	3502.8	11.2
40°-50°	5967.1	19.0
50°-60°	8114.7	25.9
60°-70°	7620.2	24.3
70°-80°	3053.0	9.7
80°-90°	147.9	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°	31387.0	100.0
0°-180°	31387.0	100.0

Coefficient of Utilization



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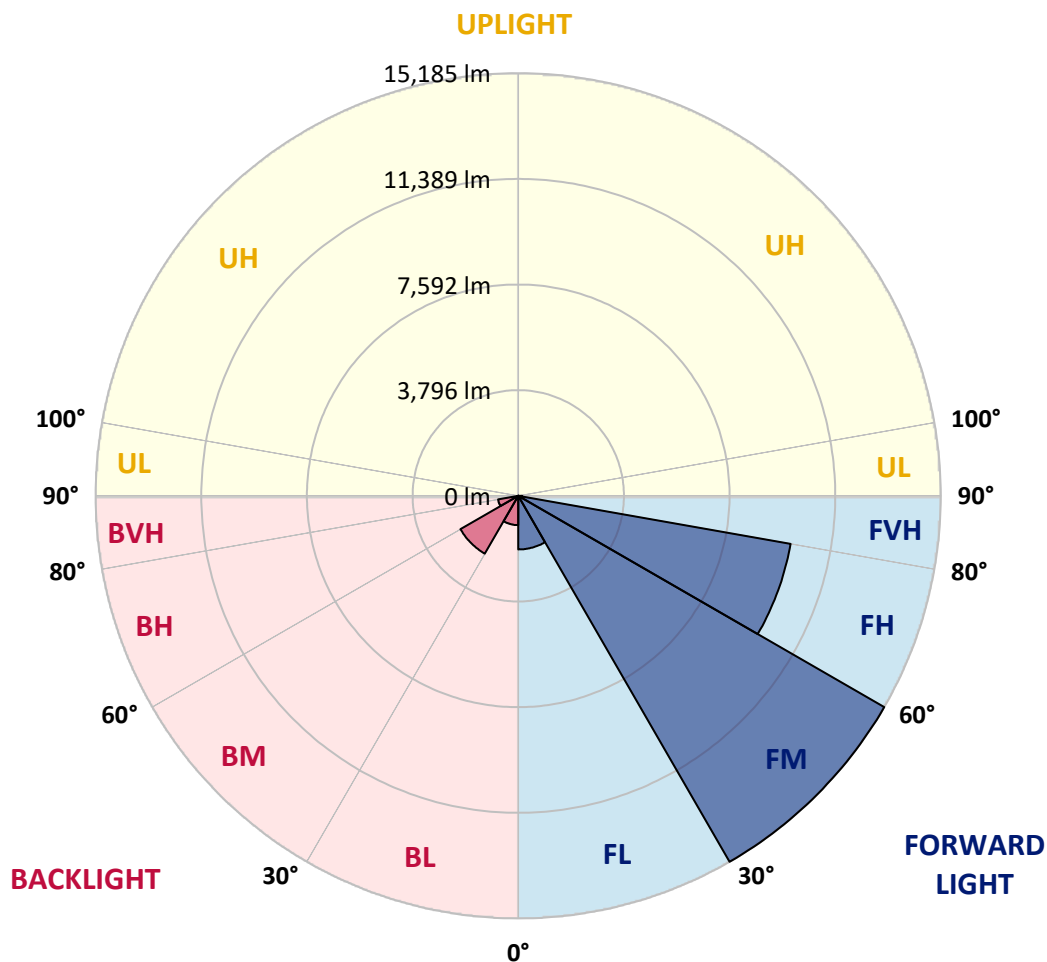
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1927.5	6.1			
FM (30°-60°)	15185.0	48.4			
FH (60°-80°)	9936.4	31.7			G4/12000
FVH (80°-90°)	140.7	0.4			G2/225
BL (0°-30°)	1053.8	3.4	B3/2500		
BM (30°-60°)	2399.6	7.6	B2/2500		
BH (60°-80°)	736.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3650.6	3650.6	3650.6	3650.6	3650.6	3650.6	3650.6	3650.6	3650.6	3650.6
2.5°	3638.0	3663.3	3656.9	3650.6	3648.5	3652.7	3654.8	3652.7	3652.7	3652.7
5°	3568.6	3589.6	3589.6	3604.3	3625.4	3650.6	3669.6	3673.8	3678.0	3684.3
7.5°	3436.0	3452.8	3465.5	3513.9	3566.5	3633.8	3690.6	3720.1	3724.3	3747.4
10°	3345.5	3366.6	3387.6	3438.1	3513.9	3614.9	3711.7	3783.2	3793.7	3848.4
12.5°	3341.3	3362.4	3389.7	3444.4	3532.8	3640.1	3757.9	3861.0	3880.0	3959.9
15°	3385.5	3410.8	3436.0	3503.3	3598.0	3728.5	3854.7	3983.1	4002.0	4115.6
17.5°	3476.0	3509.7	3528.6	3595.9	3696.9	3842.1	4008.3	4155.6	4172.5	4305.0
20°	3654.8	3694.8	3701.1	3755.8	3854.7	4010.4	4208.2	4391.3	4412.3	4563.8
22.5°	4025.2	4082.0	4031.5	4058.8	4147.2	4302.9	4517.5	4749.0	4778.4	4951.0
25°	4677.4	4757.4	4626.9	4580.7	4618.5	4780.5	5049.9	5342.3	5376.0	5514.9
27.5°	5958.8	5855.7	5658.0	5464.4	5350.8	5443.3	5746.3	6108.2	6150.3	6285.0
30°	7366.5	7276.0	7008.8	6579.6	6310.2	6295.5	6575.3	6979.3	7027.7	7156.1
32.5°	8776.3	8690.0	8399.6	7871.5	7404.4	7172.9	7366.5	7814.7	7839.9	7922.0
35°	10162.9	10074.5	9784.1	9243.4	8668.9	8142.9	8105.0	8610.0	8618.4	8704.7
37.5°	11557.9	11484.2	11174.9	10644.7	10078.7	9352.8	9001.4	9363.3	9373.8	9458.0
40°	12553.1	12584.7	12372.2	11961.9	11475.8	10682.6	10007.2	10165.0	10101.8	10242.8
42.5°	13407.4	13470.5	13285.4	13079.2	12797.2	12098.6	11252.8	11225.4	11124.4	11200.2
45°	14145.9	14198.5	14032.3	13983.9	13977.6	13487.4	12614.2	12450.0	12309.1	12294.3
47.5°	14417.4	14518.4	14589.9	14751.9	15067.5	14861.3	14021.8	13767.2	13609.4	13493.7
50°	14520.5	14627.8	14871.9	15343.2	16090.1	16178.5	15423.1	15137.0	14943.4	14733.0
52.5°	14381.6	14573.1	14901.3	15694.6	16778.2	17234.8	16767.7	16517.3	16296.3	15953.4
55°	13563.1	13754.6	14425.8	15690.4	17121.2	17975.4	18038.6	17927.0	17678.7	17138.0
57.5°	11837.7	12121.8	13184.4	15155.9	17114.8	18613.0	19284.2	19364.1	19086.4	18312.1
60°	9447.5	9832.5	11128.6	13971.3	16586.7	18958.0	20376.2	20776.0	20481.4	19469.3
62.5°	6592.2	7038.3	8265.0	12115.5	15379.0	18709.8	21173.7	21912.2	21689.2	20504.6
65°	4021.0	4164.0	5153.0	9533.7	13325.3	17670.3	21419.9	22526.6	22453.0	21137.9
67.5°	2678.5	2798.5	3082.5	6537.5	10343.8	15593.6	20830.7	22419.3	22440.4	21034.8
70°	1613.9	1717.0	1902.1	3802.1	6703.7	12342.7	19006.4	21051.6	21173.7	19656.6
72.5°	664.9	734.3	902.7	1723.3	3471.8	7833.6	15134.9	18074.3	18358.4	16527.8
75°	376.6	412.4	530.2	864.8	1506.5	3650.6	9167.6	12830.9	13249.6	11391.7
77.5°	250.4	267.2	343.0	559.7	848.0	1245.6	3917.9	6684.8	7484.3	6221.9
80°	168.3	183.1	235.7	374.5	551.3	534.4	1247.7	2476.5	3046.8	2137.8
82.5°	113.6	115.7	168.3	246.2	349.3	258.8	368.2	770.1	967.9	618.6
85°	65.2	63.1	124.1	143.1	155.7	107.3	111.5	231.5	303.0	260.9
87.5°	8.4	12.6	48.4	37.9	21.0	23.1	23.1	40.0	58.9	63.1
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°
3650.6	0°	3650.6	3650.6	3650.6	3650.6	3650.6	3650.6	3650.6	3650.6	3650.6	3650.6
3654.8	2.5°	3654.8	3652.7	3646.4	3640.1	3625.4	3617.0	3621.2	3617.0	3614.9	3617.0
3682.2	5°	3682.2	3675.9	3659.1	3638.0	3608.6	3572.8	3549.6	3516.0	3484.4	3465.5
3755.8	7.5°	3755.8	3749.5	3726.4	3667.5	3572.8	3423.4	3286.6	3166.7	3076.2	3023.6
3873.7	10°	3873.7	3863.1	3827.4	3696.9	3448.6	3122.5	2851.1	2625.9	2478.6	2409.2
4012.5	12.5°	4012.5	3999.9	3936.8	3669.6	3213.0	2703.8	2329.3	2078.9	1942.1	1881.1
4172.5	15°	4176.7	4159.8	4035.7	3539.1	2870.0	2240.9	1897.9	1710.6	1622.3	1567.6
4376.6	17.5°	4380.8	4351.3	4109.3	3343.4	2497.6	1887.4	1632.8	1491.8	1414.0	1361.4
4643.8	20°	4645.9	4597.5	4168.2	3109.9	2154.6	1664.4	1453.9	1336.1	1277.2	1230.9
5022.5	22.5°	5016.2	4946.8	4239.8	2857.4	1912.6	1510.8	1321.4	1235.1	1186.7	1134.1
5550.6	25°	5474.9	5392.8	4328.2	2623.8	1746.4	1378.2	1224.6	1153.1	1096.2	1035.2
6242.9	27.5°	6116.7	5969.4	4433.4	2432.4	1603.3	1264.6	1136.2	1056.3	991.0	940.5
7027.7	30°	6832.1	6590.1	4525.9	2316.6	1472.9	1159.4	1020.5	940.5	879.5	843.7
7732.6	32.5°	7509.6	7181.3	4587.0	2266.1	1355.0	1039.4	894.2	808.0	761.7	751.2
8422.8	35°	8149.2	7715.8	4580.7	2217.7	1249.8	919.5	770.1	681.7	646.0	652.3
9165.5	37.5°	8885.7	8286.0	4536.5	2142.0	1163.6	810.1	662.8	584.9	553.4	555.5
10068.2	40°	9742.0	8944.6	4509.1	1998.9	1068.9	709.1	574.4	511.3	488.2	479.7
11019.2	42.5°	10655.2	9582.1	4513.3	1836.9	951.1	618.6	513.4	460.8	439.8	433.4
12077.6	45°	11572.6	10190.2	4519.6	1668.6	826.9	549.2	469.2	425.0	412.4	404.0
13150.7	47.5°	12435.3	10707.8	4401.8	1487.6	704.9	496.6	433.4	404.0	393.5	382.9
14228.0	50°	13239.1	11052.9	4117.7	1277.2	608.1	454.5	406.1	385.1	374.5	364.0
15204.3	52.5°	13864.0	11107.6	3648.5	1060.5	540.8	422.9	389.3	370.3	357.7	347.2
15993.4	55°	14141.7	10764.6	2981.5	858.5	488.2	395.6	372.4	353.5	338.8	328.2
16614.1	57.5°	14070.2	10042.9	2325.0	690.1	437.7	368.2	351.4	338.8	321.9	305.1
17116.9	60°	13718.8	9077.1	1752.7	574.4	391.4	338.8	328.2	317.7	294.6	269.3
17310.5	62.5°	13110.7	7863.1	1249.8	475.5	340.9	305.1	300.9	292.5	258.8	212.5
17024.4	65°	12180.7	6388.1	841.6	395.6	292.5	267.2	269.3	254.6	210.4	157.8
15976.5	67.5°	10821.4	4671.1	538.7	324.0	244.1	223.0	225.1	216.7	178.8	134.7
13990.2	70°	9089.8	3093.0	351.4	246.2	195.7	172.5	185.2	187.3	151.5	109.4
10737.3	72.5°	6663.7	1826.4	246.2	183.1	143.1	119.9	151.5	155.7	122.0	82.1
6459.6	75°	3797.9	866.9	185.2	132.6	88.4	84.2	117.8	117.8	84.2	54.7
2796.4	77.5°	1594.9	361.9	130.5	86.3	50.5	48.4	80.0	73.6	42.1	25.2
681.7	80°	460.8	162.0	69.4	42.1	21.0	18.9	31.6	23.1	10.5	4.2
258.8	82.5°	181.0	71.5	27.4	16.8	8.4	8.4	4.2	0.0	0.0	0.0
147.3	85°	107.3	29.5	12.6	6.3	2.1	0.0	0.0	0.0	0.0	0.0
31.6	87.5°	27.4	6.3	4.2	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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3650.6
3625.4
3469.7
3025.7
2402.9
1874.8
1569.7
1357.2
1222.5
1125.7
1028.9
930.0
837.4
757.5
652.3
563.9
477.6
431.3
404.0
382.9
364.0
345.1
326.1
303.0
265.1
208.3
153.6
128.4
105.2
77.9
50.5
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4.2
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