

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: P848947

Luminaire Tested: **GLAN-SB5D-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848947
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-SB5D-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 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: 38943 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

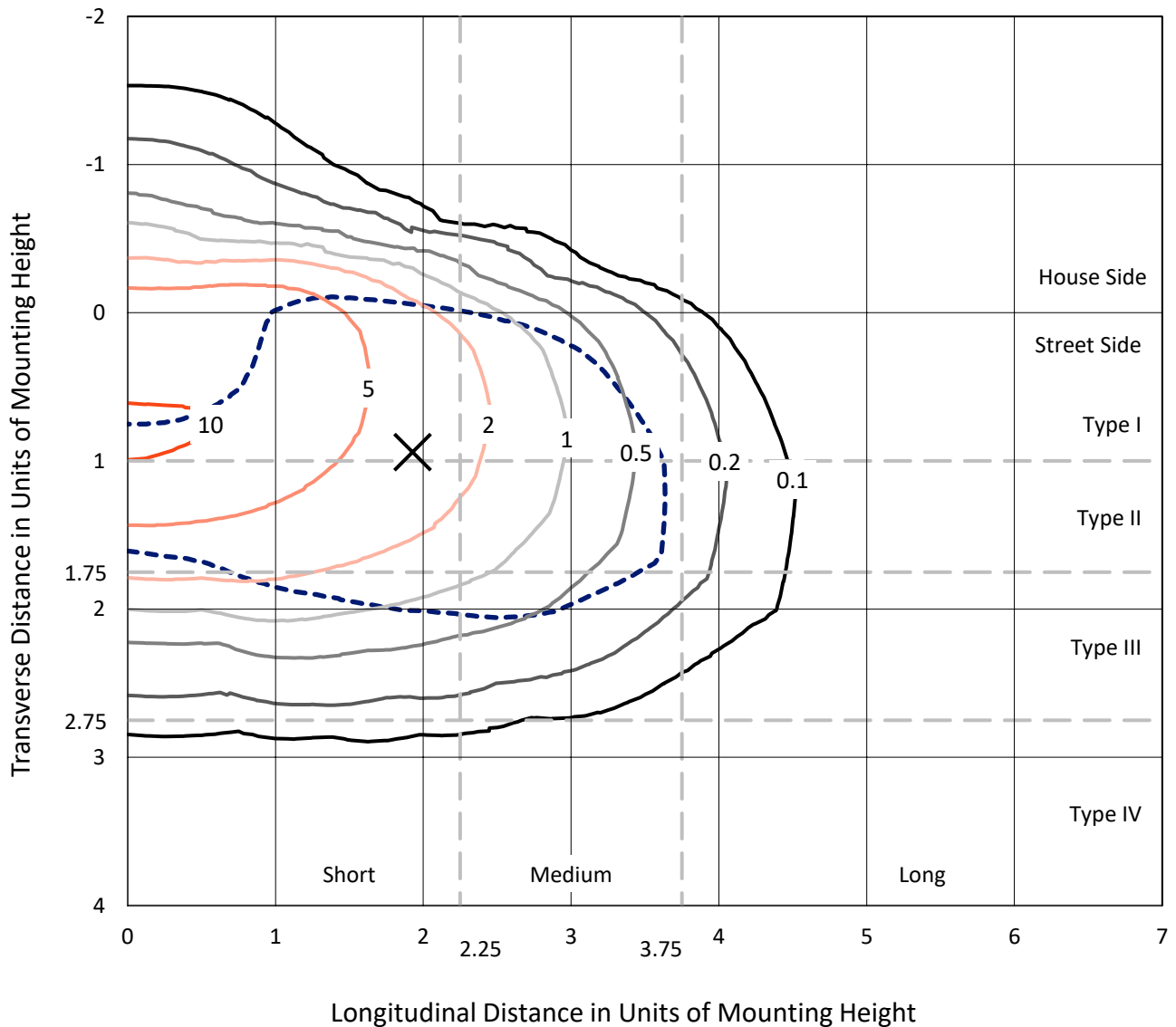
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

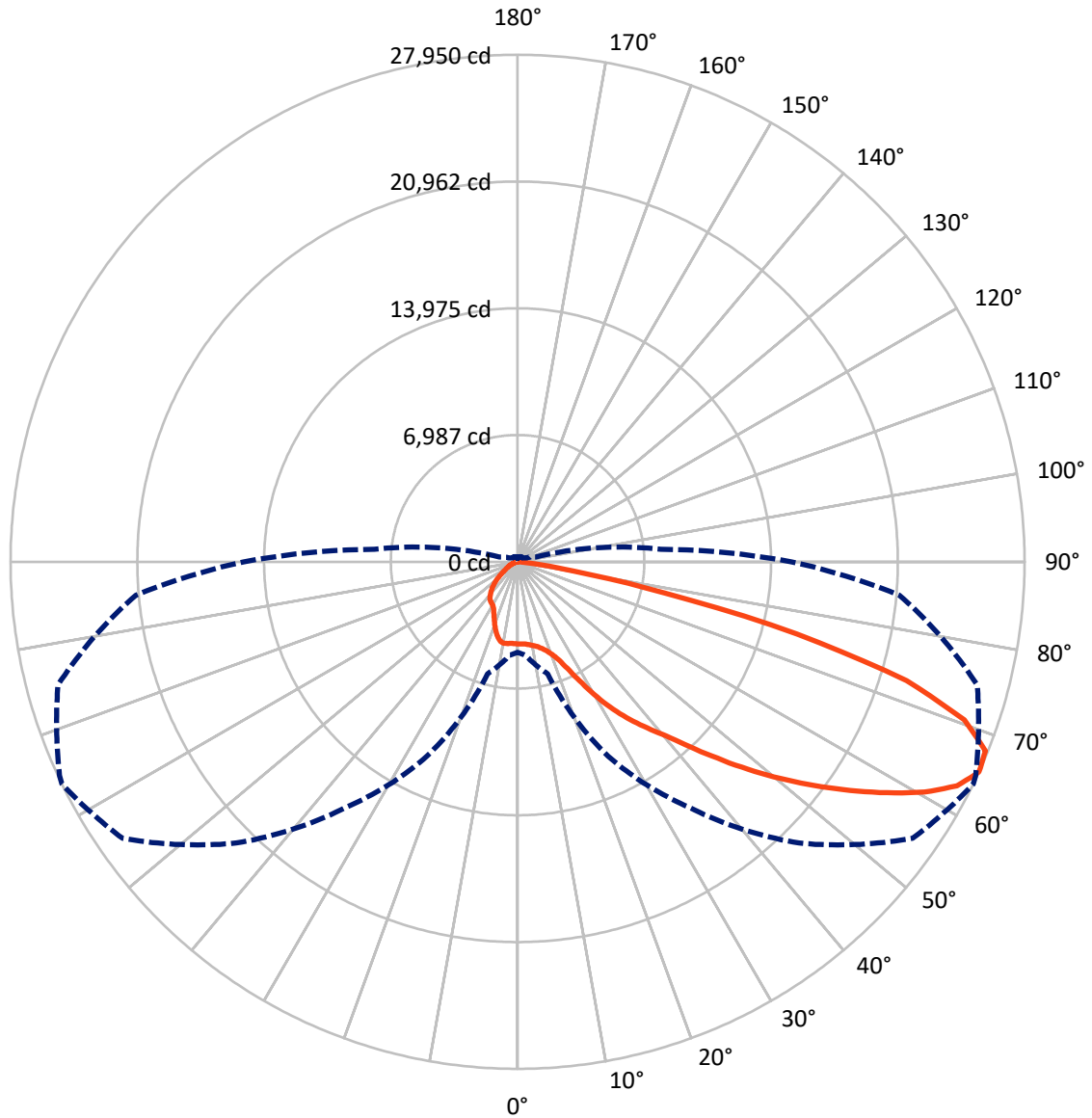
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	5207.9	0.0	5207.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	33735.1	0.0	33735.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	38943.0	0.0	38943.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.9	1.1
10°-20°	1133.4	2.9
20°-30°	2147.8	5.5
30°-40°	4346.1	11.2
40°-50°	7403.6	19.0
50°-60°	10068.3	25.9
60°-70°	9454.6	24.3
70°-80°	3787.9	9.7
80°-90°	183.5	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°	38943.0	100.0
0°-180°	38943.0	100.0

Coefficient of Utilization



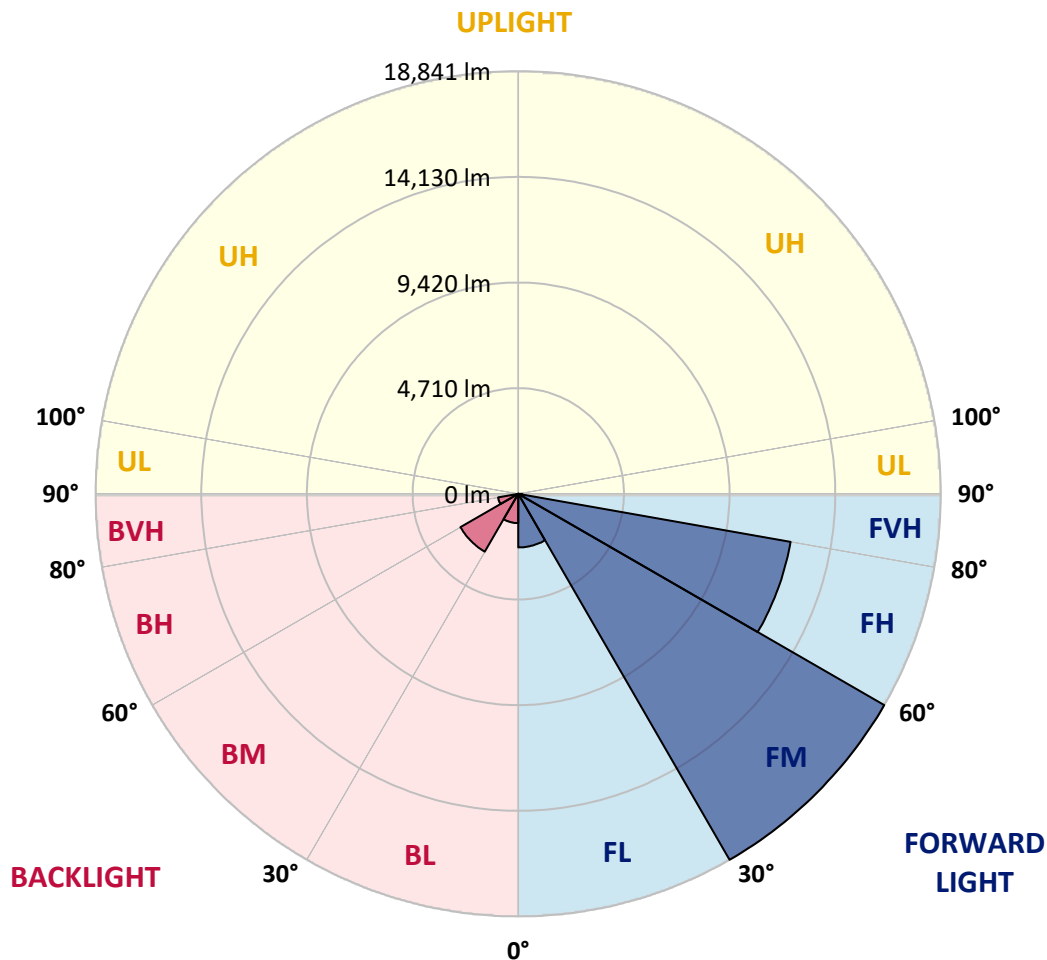
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2391.5	6.1			
FM (30°-60°)	18840.6	48.4			
FH (60°-80°)	12328.5	31.7			G5
FVH (80°-90°)	174.5	0.4			G2/225
BL (0°-30°)	1307.5	3.4	B3/2500		
BM (30°-60°)	2977.3	7.6	B3/5000		
BH (60°-80°)	914.1	2.3	B2/1000		G2/1000
BVH (80°-90°)	9.0	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-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4529.5	4529.5	4529.5	4529.5	4529.5	4529.5	4529.5	4529.5	4529.5	4529.5
2.5°	4513.8	4545.1	4537.3	4529.5	4526.9	4532.1	4534.7	4532.1	4532.1	4532.1
5°	4427.7	4453.8	4453.8	4472.0	4498.1	4529.5	4553.0	4558.2	4563.4	4571.2
7.5°	4263.2	4284.1	4299.7	4359.8	4425.0	4508.6	4579.1	4615.6	4620.8	4649.6
10°	4150.9	4177.0	4203.1	4265.8	4359.8	4485.1	4605.2	4693.9	4707.0	4774.9
12.5°	4145.7	4171.8	4205.8	4273.6	4383.3	4516.4	4662.6	4790.5	4814.0	4913.2
15°	4200.5	4231.9	4263.2	4346.7	4464.2	4626.1	4782.7	4942.0	4965.5	5106.4
17.5°	4312.8	4354.6	4378.1	4461.6	4586.9	4767.0	4973.3	5156.0	5176.9	5341.4
20°	4534.7	4584.3	4592.1	4660.0	4782.7	4975.9	5221.3	5448.4	5474.5	5662.5
22.5°	4994.2	5064.7	5002.0	5035.9	5145.6	5338.8	5605.1	5892.2	5928.8	6142.9
25°	5803.5	5902.7	5740.8	5683.4	5730.4	5931.4	6265.6	6628.4	6670.2	6842.5
27.5°	7393.4	7265.4	7020.0	6779.9	6638.9	6753.7	7129.7	7578.7	7630.9	7798.0
30°	9139.9	9027.6	8696.1	8163.5	7829.3	7811.1	8158.3	8659.5	8719.6	8878.8
32.5°	10889.0	10782.0	10421.7	9766.4	9186.9	8899.7	9139.9	9695.9	9727.3	9829.1
35°	12609.4	12499.8	12139.5	11468.6	10755.9	10103.2	10056.2	10682.8	10693.2	10800.3
37.5°	14340.3	14248.9	13865.2	13207.3	12505.0	11604.3	11168.4	11617.4	11630.4	11734.9
40°	15575.1	15614.3	15350.6	14841.5	14238.5	13254.3	12416.2	12612.0	12533.7	12708.6
42.5°	16635.1	16713.4	16483.6	16227.8	15878.0	15011.2	13961.7	13927.8	13802.5	13896.5
45°	17551.4	17616.7	17410.4	17350.4	17342.5	16734.3	15650.8	15447.2	15272.3	15254.0
47.5°	17888.2	18013.5	18102.2	18303.3	18694.9	18439.0	17397.4	17081.5	16885.7	16742.1
50°	18016.1	18149.2	18452.1	19036.8	19963.6	20073.3	19136.1	18781.0	18540.8	18279.8
52.5°	17843.8	18081.4	18488.6	19472.8	20817.3	21383.8	20804.3	20493.6	20219.5	19793.9
55°	16828.2	17065.8	17898.6	19467.6	21242.8	22302.8	22381.1	22242.7	21934.7	21263.7
57.5°	14687.5	15039.9	16358.3	18804.5	21235.0	23093.8	23926.6	24025.8	23681.2	22720.5
60°	11721.8	12199.6	13807.7	17334.7	20579.7	23521.9	25281.5	25777.5	25412.1	24156.3
62.5°	8179.2	8732.6	10254.6	15032.1	19081.2	23213.9	26271.0	27187.3	26910.6	25440.8
65°	4988.9	5166.5	6393.5	11828.8	16533.2	21924.2	26576.4	27949.6	27858.2	26226.6
67.5°	3323.4	3472.2	3824.6	8111.3	12833.9	19347.5	25845.4	27816.5	27842.6	26098.7
70°	2002.4	2130.3	2360.0	4717.4	8317.5	15314.1	23582.0	26119.5	26271.0	24388.7
72.5°	825.0	911.1	1120.0	2138.1	4307.6	9719.4	18778.4	22425.5	22777.9	20506.6
75°	467.3	511.7	657.9	1073.0	1869.2	4529.5	11374.6	15919.7	16439.3	14134.1
77.5°	310.7	331.6	425.5	694.4	1052.1	1545.5	4861.0	8294.0	9286.1	7719.7
80°	208.9	227.1	292.4	464.7	684.0	663.1	1548.1	3072.7	3780.2	2652.4
82.5°	141.0	143.6	208.9	305.4	433.4	321.1	456.9	955.5	1200.9	767.5
85°	80.9	78.3	154.0	177.5	193.2	133.1	138.4	287.2	375.9	323.7
87.5°	10.4	15.7	60.0	47.0	26.1	28.7	28.7	49.6	73.1	78.3
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°
4529.5	0°	4529.5	4529.5	4529.5	4529.5	4529.5	4529.5	4529.5	4529.5	4529.5	4529.5
4534.7	2.5°	4534.7	4532.1	4524.3	4516.4	4498.1	4487.7	4492.9	4487.7	4485.1	4487.7
4568.6	5°	4568.6	4560.8	4539.9	4513.8	4477.3	4432.9	4404.2	4362.4	4323.2	4299.7
4660.0	7.5°	4660.0	4652.2	4623.5	4550.4	4432.9	4247.5	4077.8	3929.0	3816.8	3751.5
4806.2	10°	4806.2	4793.2	4748.8	4586.9	4278.9	3874.2	3537.4	3258.1	3075.3	2989.2
4978.5	12.5°	4978.5	4962.8	4884.5	4553.0	3986.5	3354.7	2890.0	2579.3	2409.6	2333.9
5176.9	15°	5182.1	5161.3	5007.2	4391.1	3560.9	2780.3	2354.8	2122.5	2012.8	1944.9
5430.1	17.5°	5435.4	5398.8	5098.6	4148.3	3098.8	2341.8	2025.9	1850.9	1754.4	1689.1
5761.7	20°	5764.3	5704.3	5171.7	3858.5	2673.3	2065.0	1804.0	1657.8	1584.7	1527.2
6231.6	22.5°	6223.8	6137.6	5260.5	3545.3	2373.1	1874.4	1639.5	1532.5	1472.4	1407.1
6886.9	25°	6792.9	6691.1	5370.1	3255.5	2166.8	1710.0	1519.4	1430.6	1360.1	1284.4
7745.8	27.5°	7589.2	7406.4	5500.6	3017.9	1989.3	1569.0	1409.8	1310.5	1229.6	1167.0
8719.6	30°	8476.8	8176.6	5615.5	2874.3	1827.5	1438.5	1266.2	1167.0	1091.3	1046.9
9594.1	32.5°	9317.4	8910.1	5691.2	2811.7	1681.3	1289.7	1109.5	1002.5	945.1	932.0
10450.4	35°	10111.0	9573.2	5683.4	2751.6	1550.7	1140.9	955.5	845.9	801.5	809.3
11372.0	37.5°	11024.8	10280.7	5628.6	2657.6	1443.7	1005.1	822.4	725.8	686.6	689.2
12492.0	40°	12087.3	11097.9	5594.6	2480.1	1326.2	879.8	712.7	634.4	605.7	595.2
13672.0	42.5°	13220.3	11888.9	5599.8	2279.1	1180.0	767.5	637.0	571.7	545.6	537.8
14985.1	45°	14358.6	12643.4	5607.7	2070.2	1026.0	681.4	582.2	527.4	511.7	501.2
16316.6	47.5°	15428.9	13285.6	5461.5	1845.7	874.6	616.1	537.8	501.2	488.2	475.1
17653.2	50°	16426.2	13713.7	5109.0	1584.7	754.5	563.9	503.9	477.7	464.7	451.6
18864.5	52.5°	17201.6	13781.6	4526.9	1315.8	670.9	524.7	483.0	459.5	443.8	430.8
19843.5	55°	17546.2	13356.1	3699.3	1065.1	605.7	490.8	462.1	438.6	420.3	407.3
20613.7	57.5°	17457.4	12460.6	2884.8	856.3	543.0	456.9	436.0	420.3	399.4	378.5
21237.6	60°	17021.4	11262.3	2174.7	712.7	485.6	420.3	407.3	394.2	365.5	334.2
21477.8	62.5°	16267.0	9756.0	1550.7	590.0	422.9	378.5	373.3	362.9	321.1	263.7
21122.8	65°	15113.0	7925.9	1044.3	490.8	362.9	331.6	334.2	315.9	261.1	195.8
19822.7	67.5°	13426.6	5795.6	668.3	402.0	302.8	276.7	279.3	268.9	221.9	167.1
17358.2	70°	11278.0	3837.7	436.0	305.4	242.8	214.1	229.7	232.3	188.0	135.8
13322.1	72.5°	8267.9	2266.0	305.4	227.1	177.5	148.8	188.0	193.2	151.4	101.8
8014.7	75°	4712.2	1075.6	229.7	164.5	109.6	104.4	146.2	146.2	104.4	67.9
3469.6	77.5°	1978.9	449.0	161.9	107.0	62.7	60.0	99.2	91.4	52.2	31.3
845.9	80°	571.7	201.0	86.2	52.2	26.1	23.5	39.2	28.7	13.1	5.2
321.1	82.5°	224.5	88.8	33.9	20.9	10.4	10.4	5.2	0.0	0.0	0.0
182.7	85°	133.1	36.5	15.7	7.8	2.6	0.0	0.0	0.0	0.0	0.0
39.2	87.5°	33.9	7.8	5.2	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°
4529.5
4498.1
4305.0
3754.1
2981.4
2326.1
1947.5
1683.9
1516.8
1396.7
1276.6
1153.9
1039.0
939.8
809.3
699.7
592.6
535.2
501.2
475.1
451.6
428.1
404.7
375.9
328.9
258.5
190.6
159.2
130.5
96.6
62.7
31.3
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