

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: P848095

Luminaire Tested: **GLAN-SB4C-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21172 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

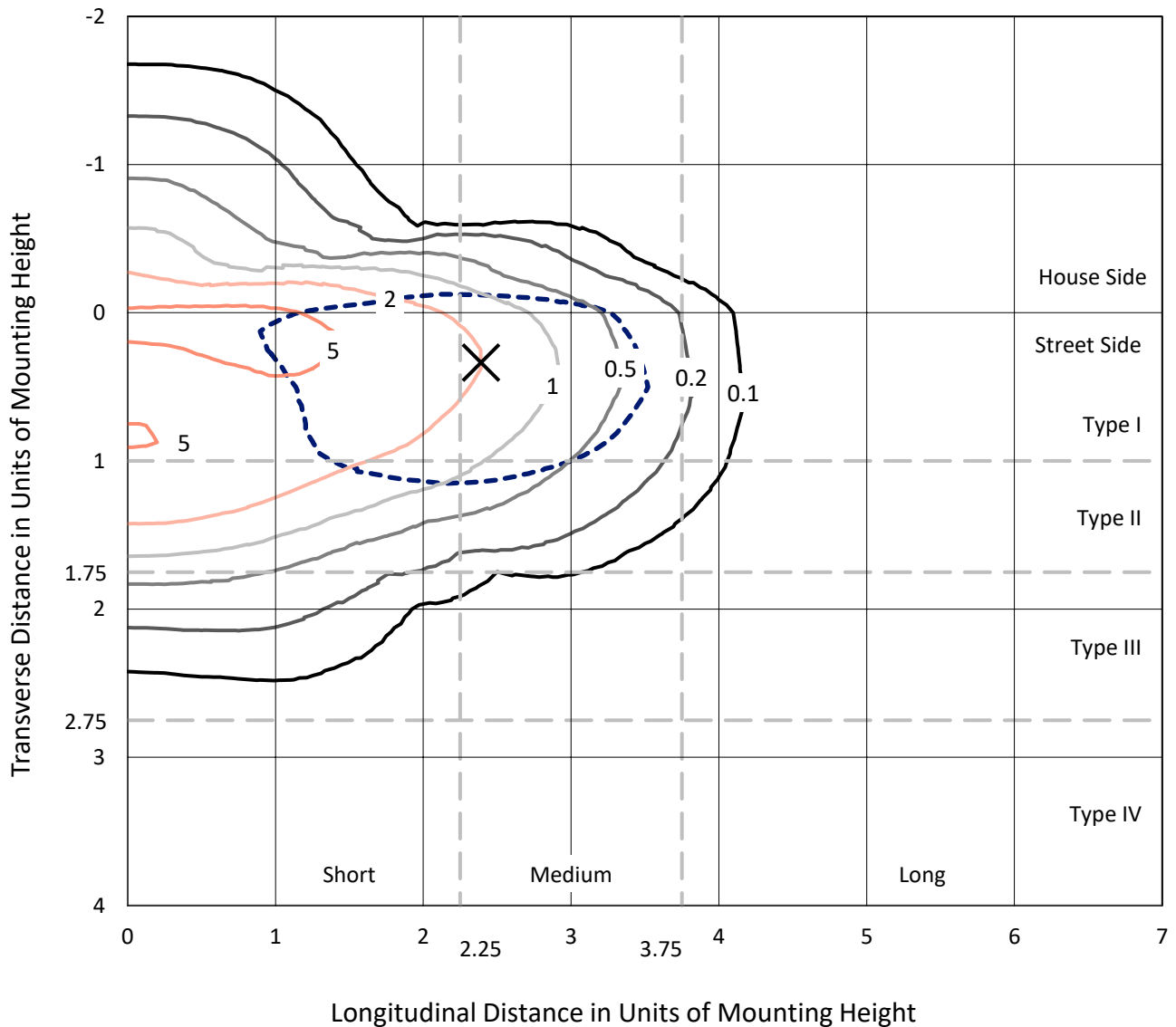
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

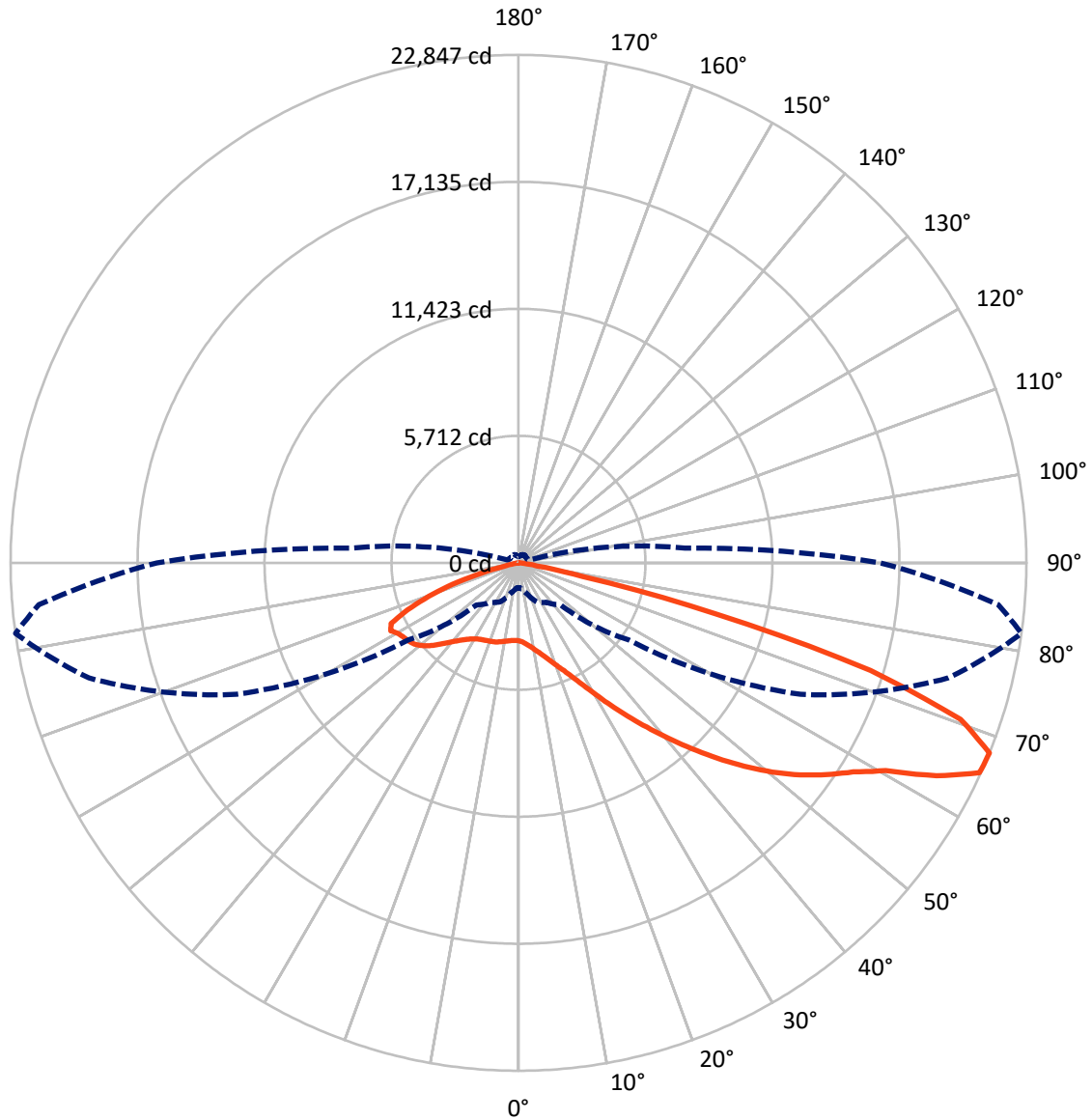
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3835.1	0.0	3835.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	17336.9	0.0	17336.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	21172.0	0.0	21172.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.5	1.5
10°-20°	812.0	3.8
20°-30°	1300.6	6.1
30°-40°	2299.9	10.9
40°-50°	4029.7	19.0
50°-60°	5374.4	25.4
60°-70°	5003.3	23.6
70°-80°	1920.3	9.1
80°-90°	119.3	0.6
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°	21172.0	100.0
0°-180°	21172.0	100.0

Coefficient of Utilization

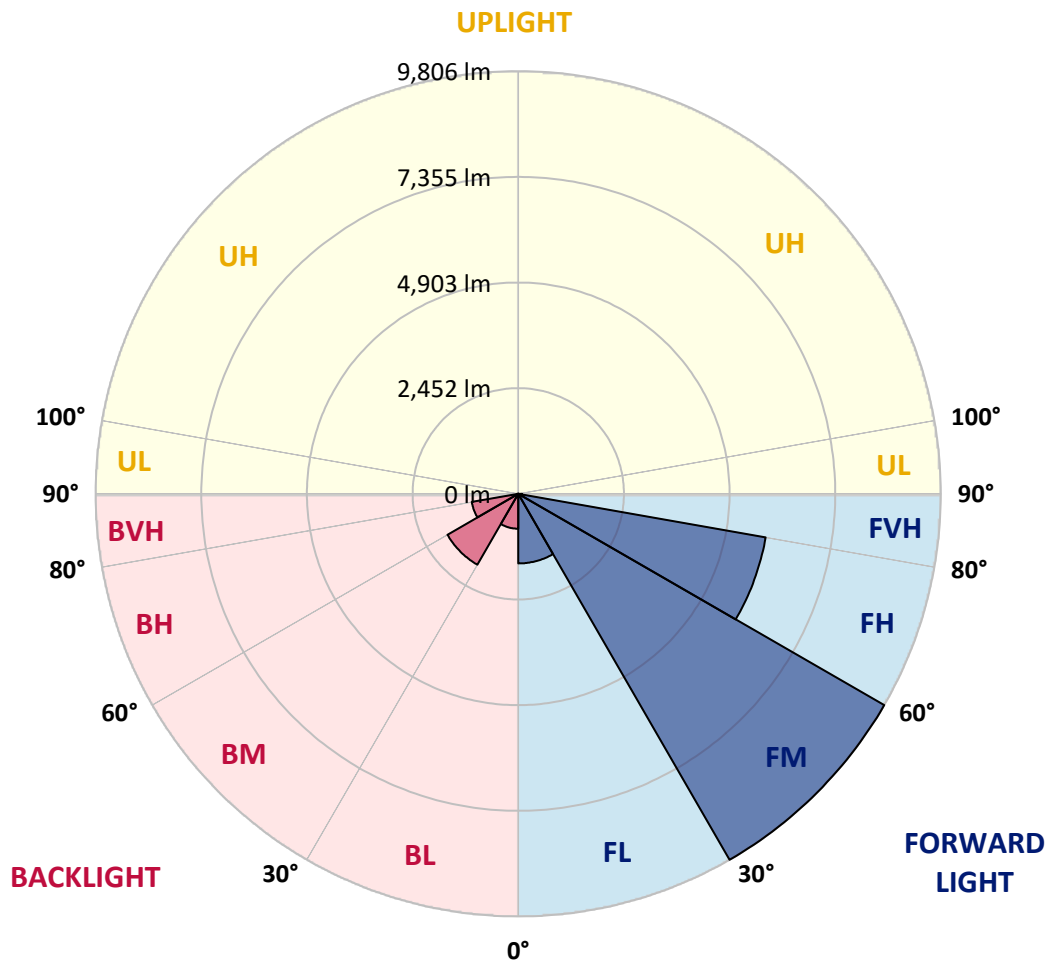


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1615.2	7.6			
FM (30°-60°)	9806.0	46.3			
FH (60°-80°)	5829.0	27.5			G3/7500
FVH (80°-90°)	86.7	0.4			G1/100
BL (0°-30°)	810.0	3.8	B2/1000		
BM (30°-60°)	1898.0	9.0	B2/2500		
BH (60°-80°)	1094.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	32.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5
2.5°	3707.2	3728.5	3716.3	3710.2	3699.5	3684.3	3672.1	3634.0	3594.4	3568.5
5°	3781.9	3803.2	3801.7	3807.8	3815.4	3820.0	3816.9	3774.2	3717.8	3673.6
7.5°	3717.8	3742.2	3762.0	3792.5	3845.9	3902.3	3929.7	3920.6	3862.7	3801.7
10°	3536.4	3562.4	3609.6	3681.3	3794.1	3916.0	4018.1	4065.4	4028.8	3961.7
12.5°	3204.1	3230.1	3323.0	3478.5	3667.5	3879.4	4074.5	4201.1	4210.2	4143.1
15°	2830.7	2856.6	2955.7	3150.8	3438.9	3778.8	4105.0	4344.3	4425.1	4367.2
17.5°	2599.0	2621.8	2696.5	2853.5	3153.8	3577.6	4094.4	4496.8	4681.2	4635.5
20°	2528.9	2548.7	2583.7	2693.5	2943.5	3368.8	4024.2	4640.1	4957.1	4931.2
22.5°	2603.6	2621.8	2632.5	2681.3	2838.3	3231.6	3935.8	4786.4	5277.2	5280.3
25°	2775.8	2794.1	2781.9	2812.4	2881.0	3188.9	3902.3	4958.6	5679.7	5713.2
27.5°	3059.3	3060.9	3031.9	3030.4	3041.0	3252.9	3937.3	5143.1	6187.3	6249.8
30°	3627.9	3605.0	3493.8	3373.3	3318.5	3445.0	4034.9	5361.1	6786.3	6897.6
32.5°	4504.4	4470.9	4266.6	3978.5	3688.9	3754.4	4210.2	5609.5	7438.7	7639.9
35°	5455.6	5446.4	5233.0	4804.7	4298.6	4195.0	4495.2	5935.7	8150.6	8470.7
37.5°	6339.7	6335.1	6213.2	5708.6	5092.8	4809.3	4952.5	6362.6	8912.8	9376.2
40°	7147.6	7161.3	7039.4	6588.2	5967.8	5597.3	5574.5	6890.0	9760.3	10362.4
42.5°	7845.7	7861.0	7737.5	7403.7	6832.0	6469.3	6338.2	7536.3	10588.0	11421.8
45°	8319.8	8414.3	8396.0	8129.3	7719.2	7342.7	7255.8	8347.2	11531.6	12545.2
47.5°	8453.9	8540.8	8678.0	8714.6	8464.6	8094.2	8197.8	9324.3	12485.8	13670.2
50°	8123.2	8203.9	8489.0	8868.6	9042.3	8928.0	9114.0	10371.5	13462.9	14792.1
52.5°	7470.7	7553.1	7912.8	8513.4	9222.2	9581.9	10033.1	11403.5	14409.5	15854.6
55°	6527.2	6614.1	7075.9	7755.8	8879.2	9851.7	10799.9	12434.0	15276.8	16810.3
57.5°	5243.7	5307.7	5787.9	6739.1	8016.5	9583.5	11365.4	13558.9	16093.9	17749.3
60°	3417.5	3473.9	4031.9	5092.8	6586.6	8687.2	11478.2	14813.4	17179.2	18970.3
62.5°	2272.8	2310.9	2641.7	3420.6	4638.5	6966.2	10818.2	15814.9	18770.6	21095.2
65°	1559.4	1597.5	1928.3	2470.9	2996.8	4608.1	8920.4	15682.3	20212.6	22782.6
67.5°	1112.8	1144.8	1425.2	1937.4	2169.1	2676.7	6047.0	13987.3	20005.3	22846.7
70°	797.2	815.5	1047.2	1509.1	1724.0	1608.2	3362.7	10697.7	17516.1	21096.7
72.5°	557.9	564.0	727.1	1149.3	1388.7	1173.7	1600.5	7132.3	13248.0	16558.8
75°	378.0	385.7	489.3	843.0	1114.3	896.3	847.5	3824.5	7777.1	9165.8
77.5°	231.7	234.7	315.5	576.2	833.8	682.9	545.7	1620.4	3009.0	2954.2
80°	131.1	131.1	201.2	358.2	568.6	440.5	382.6	689.0	952.7	836.9
82.5°	73.2	74.7	146.3	222.6	376.5	260.7	210.4	318.6	411.6	364.3
85°	30.5	33.5	89.9	105.2	179.9	129.6	85.4	134.1	152.4	135.7
87.5°	3.0	4.6	27.4	19.8	21.3	25.9	12.2	25.9	21.3	21.3
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°
3507.5	0°	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5	3507.5
3559.3	2.5°	3530.3	3507.5	3449.6	3382.5	3294.1	3251.4	3193.5	3153.8	3120.3	3123.4
3647.7	5°	3598.9	3541.0	3411.5	3249.9	3048.7	2905.4	2752.9	2647.8	2562.4	2544.1
3769.7	7.5°	3693.5	3602.0	3374.9	3083.7	2743.8	2486.2	2256.0	2108.1	2003.0	1969.4
3917.5	10°	3815.4	3682.8	3327.6	2874.9	2385.6	2057.8	1810.9	1695.1	1623.4	1599.0
4091.3	12.5°	3957.2	3775.8	3265.1	2620.3	2016.7	1701.2	1544.1	1486.2	1463.4	1455.7
4304.7	15°	4135.5	3891.6	3170.6	2318.5	1704.2	1483.2	1416.1	1408.5	1411.5	1408.5
4560.8	17.5°	4347.4	4018.1	3016.6	2007.5	1493.8	1371.9	1347.5	1353.6	1361.2	1359.7
4847.4	20°	4579.1	4143.1	2820.0	1731.6	1350.6	1292.6	1278.9	1285.0	1291.1	1288.1
5178.1	22.5°	4842.8	4277.3	2602.0	1516.7	1254.5	1219.5	1204.2	1205.7	1205.7	1199.6
5597.3	25°	5158.3	4425.1	2373.4	1364.3	1181.4	1153.9	1135.6	1129.5	1120.4	1102.1
6106.5	27.5°	5534.8	4582.1	2153.9	1257.6	1123.4	1097.5	1076.2	1060.9	1038.1	1007.6
6717.7	30°	5958.6	4772.7	1967.9	1190.5	1077.7	1051.8	1027.4	1004.5	971.0	932.9
7420.4	32.5°	6457.1	4976.9	1832.2	1146.3	1036.5	1009.1	980.1	952.7	916.1	878.0
8210.0	35°	7051.6	5223.9	1753.0	1115.8	1004.5	967.9	935.9	905.5	878.0	844.5
9068.2	37.5°	7696.3	5486.1	1728.6	1100.6	983.2	926.8	890.2	868.9	865.8	846.0
9996.6	40°	8402.1	5797.0	1746.9	1091.4	960.3	887.2	847.5	843.0	850.6	815.5
10988.9	42.5°	9149.0	6165.9	1777.4	1080.8	928.3	847.5	809.4	809.4	803.3	754.5
12037.6	45°	9956.9	6591.2	1807.9	1054.8	890.2	807.9	778.9	768.3	742.3	695.1
13092.5	47.5°	10770.9	7024.1	1830.7	1007.6	844.5	774.4	748.4	724.1	685.9	643.3
14127.5	50°	11543.8	7412.8	1806.3	937.5	792.7	742.3	714.9	681.4	640.2	611.3
15107.6	52.5°	12234.3	7749.7	1702.7	855.1	737.8	708.8	684.4	649.4	615.8	585.3
15991.7	55°	12834.9	8022.6	1519.8	777.4	689.0	679.9	655.5	611.3	565.5	539.6
16868.2	57.5°	13411.1	8229.9	1291.1	713.4	644.8	647.8	611.3	571.6	528.9	501.5
18049.6	60°	14177.8	8507.3	1059.4	653.9	597.5	606.7	567.1	538.1	484.7	449.7
20075.4	62.5°	15403.4	8938.7	841.4	580.8	542.7	545.7	528.9	493.9	429.9	388.7
21576.9	65°	16375.9	8780.1	663.1	501.5	480.2	484.7	484.7	446.6	378.0	330.8
21657.7	67.5°	16266.1	7518.0	528.9	423.8	420.7	423.8	434.4	402.4	335.4	297.2
20008.4	70°	14984.2	5979.9	423.8	352.1	365.8	358.2	388.7	367.4	301.8	263.7
15511.6	72.5°	12226.7	4307.8	323.2	291.1	280.5	292.7	350.6	330.8	251.5	208.8
8216.1	75°	7144.5	2298.7	240.8	230.2	202.7	243.9	311.0	282.0	192.1	154.0
2518.2	77.5°	2326.1	801.8	176.8	169.2	150.9	196.6	265.2	237.8	157.0	121.9
737.8	80°	623.5	242.4	120.4	111.3	97.6	146.3	210.4	189.0	112.8	79.3
317.1	82.5°	250.0	102.1	70.1	62.5	53.4	100.6	166.2	152.4	83.8	50.3
99.1	85°	80.8	33.5	25.9	19.8	24.4	62.5	99.1	103.7	59.4	25.9
15.2	87.5°	10.7	4.6	4.6	6.1	4.6	10.7	30.5	29.0	16.8	3.0
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°
3507.5
3092.9
2503.0
1935.9
1580.7
1451.2
1407.0
1356.7
1286.5
1196.6
1099.0
1004.5
929.8
879.5
841.4
844.5
817.0
754.5
693.6
641.7
606.7
582.3
536.6
498.5
445.1
385.7
326.2
291.1
259.1
204.3
149.4
117.4
77.7
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