

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: P851208

Luminaire Tested: **GLAN-SB9A-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32599 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

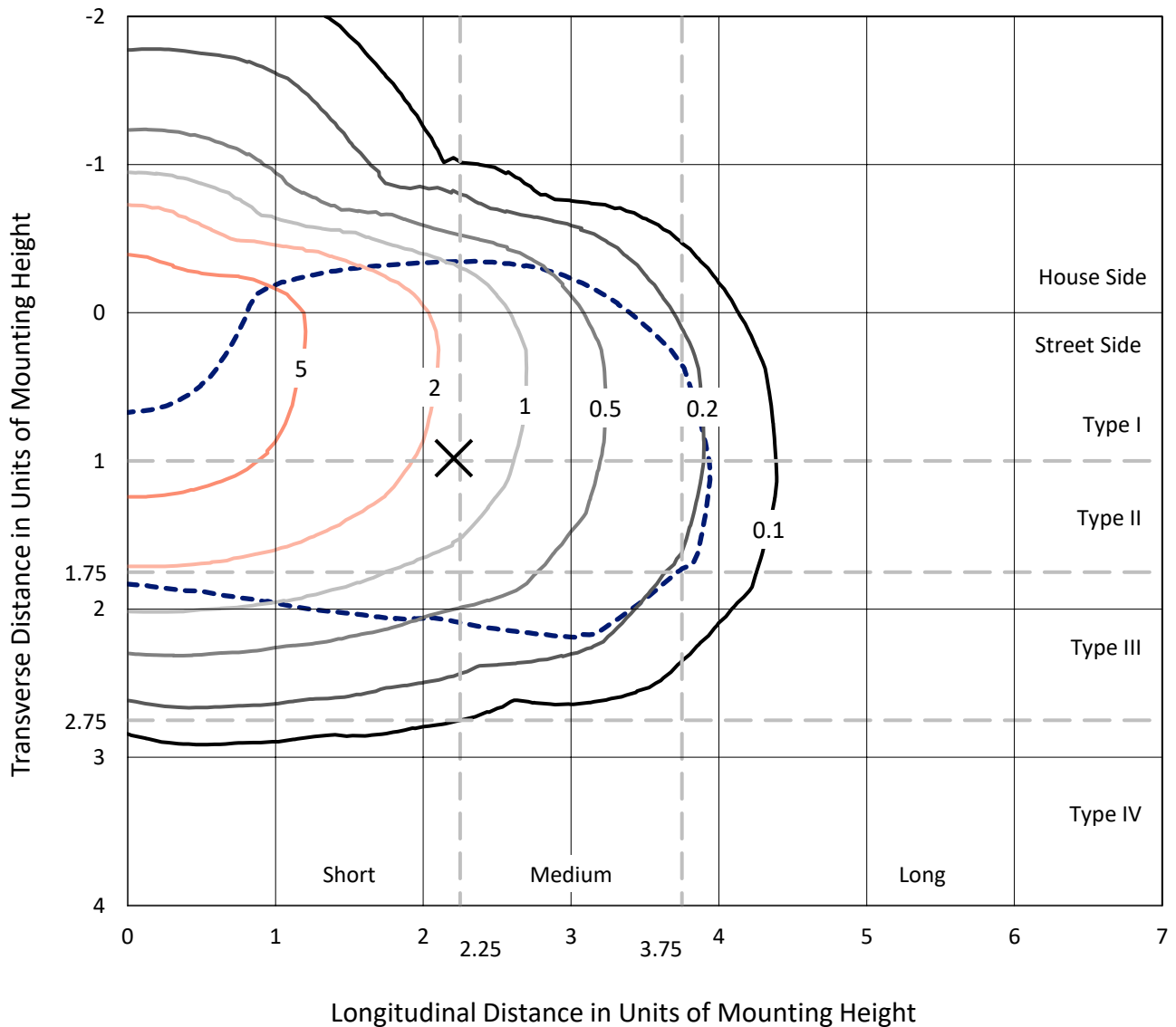
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

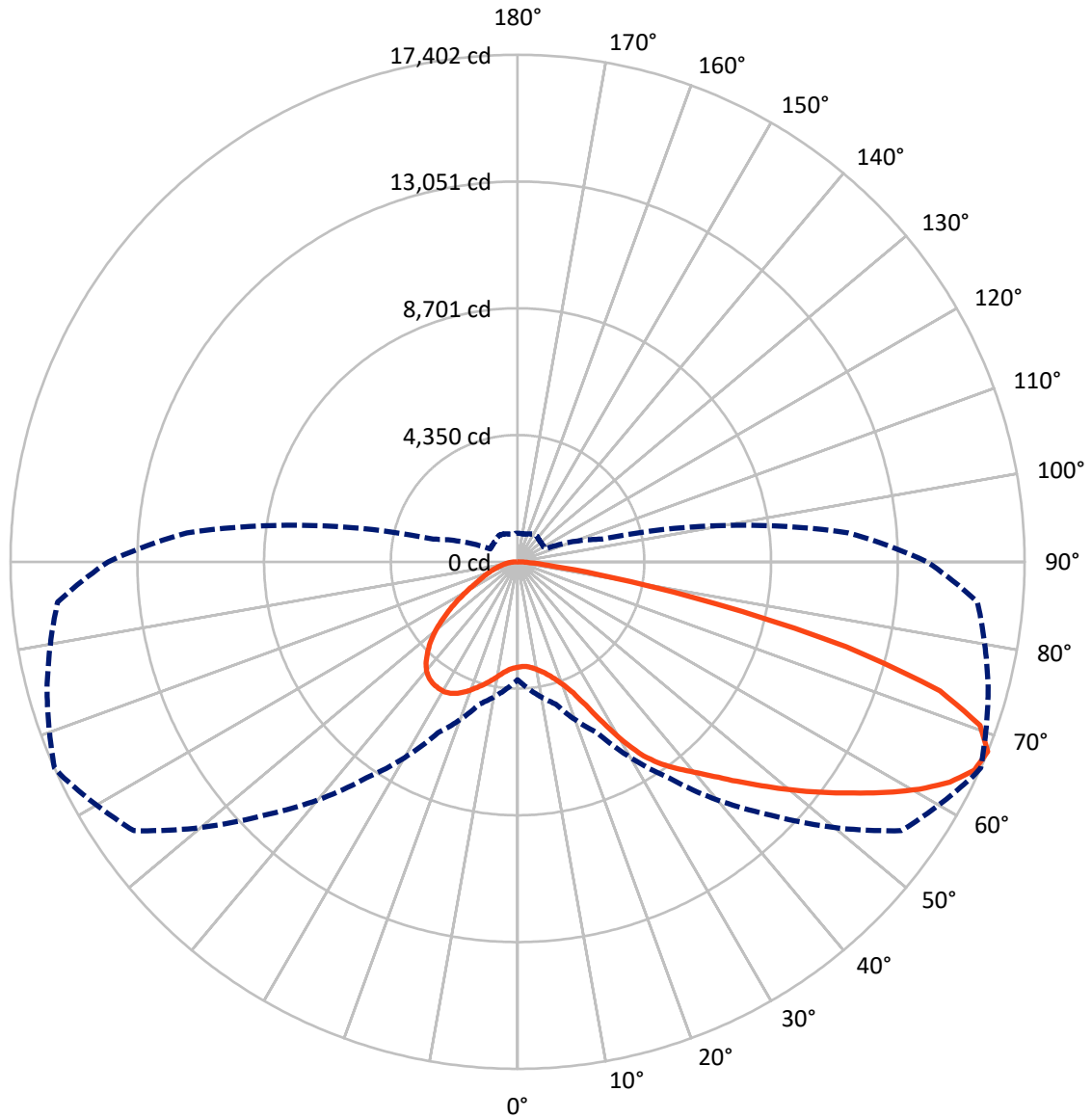
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8105.6	0.0	8105.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	24493.4	0.0	24493.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	32599.0	0.0	32599.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.5	1.1
10°-20°	1184.4	3.6
20°-30°	2282.8	7.0
30°-40°	4002.6	12.3
40°-50°	5950.5	18.3
50°-60°	7542.9	23.1
60°-70°	7380.5	22.6
70°-80°	3520.6	10.8
80°-90°	376.3	1.2
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°	32599.0	100.0
0°-180°	32599.0	100.0

Coefficient of Utilization

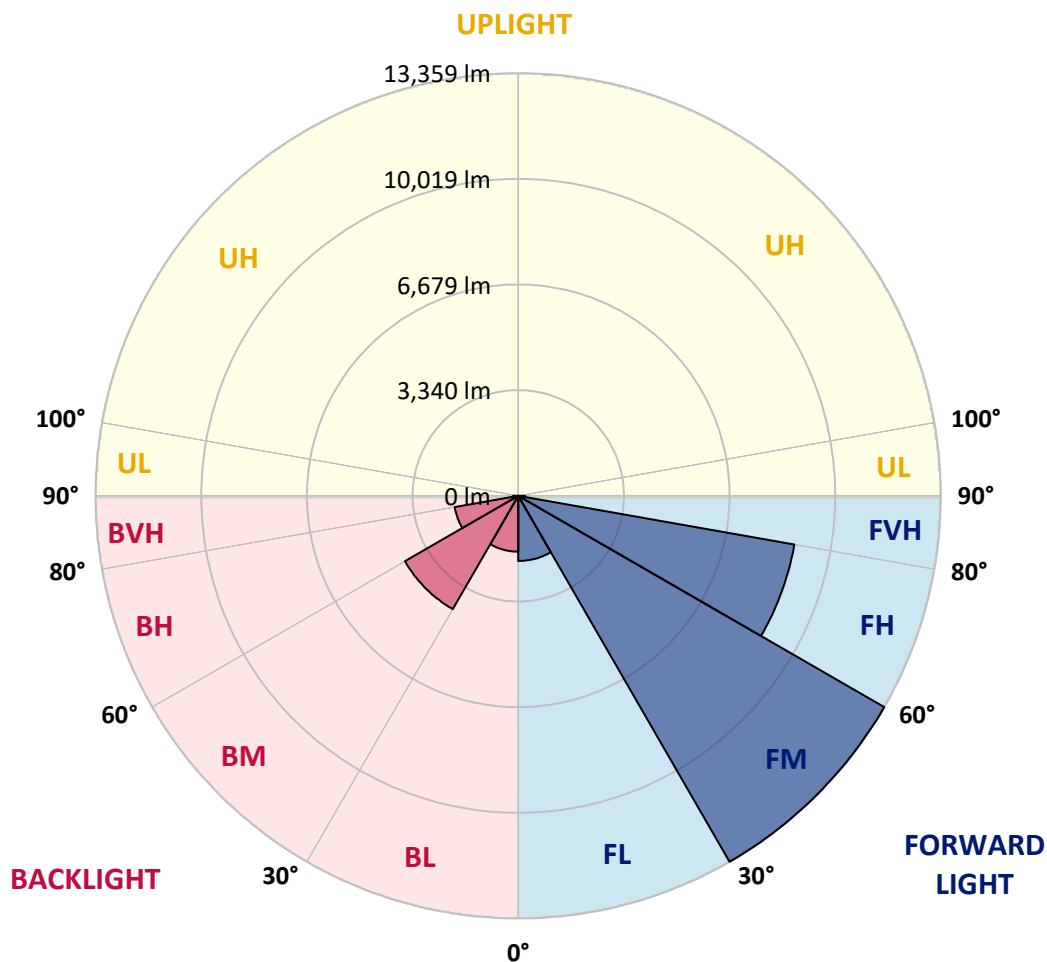


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2059.9	6.3			
FM (30°-60°)	13358.8	41.0			
FH (60°-80°)	8861.3	27.2			G4/12000
FVH (80°-90°)	213.3	0.7			G2/225
BL (0°-30°)	1765.7	5.4	B3/2500		
BM (30°-60°)	4137.2	12.7	B3/5000		
BH (60°-80°)	2039.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	162.9	0.5			G2/225
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°	65°	66°	75°
0°	3615.7	3615.7	3615.7	3615.7	3615.7	3615.7	3615.7	3615.7	3615.7	3615.7
2.5°	3578.0	3598.5	3593.4	3584.8	3583.1	3586.5	3591.7	3596.8	3595.1	3603.7
5°	3567.7	3588.3	3586.5	3586.5	3593.4	3607.1	3615.7	3624.2	3615.7	3625.9
7.5°	3574.6	3590.0	3596.8	3603.7	3620.8	3646.5	3667.0	3685.9	3675.6	3687.6
10°	3661.9	3673.9	3680.7	3680.7	3692.7	3721.9	3742.4	3776.7	3768.1	3786.9
12.5°	3821.2	3833.2	3833.2	3826.3	3834.9	3853.7	3860.6	3898.3	3882.9	3913.7
15°	4016.4	4040.4	4021.6	4009.6	4013.0	4031.9	4030.2	4059.3	4043.9	4069.5
17.5°	4232.3	4263.1	4232.3	4230.5	4223.7	4244.2	4246.0	4271.7	4244.2	4263.1
20°	4487.5	4530.3	4504.6	4513.2	4497.7	4506.3	4514.9	4552.5	4509.7	4523.4
22.5°	4847.1	4898.5	4871.1	4903.7	4893.4	4886.5	4884.8	4951.6	4884.8	4890.0
25°	5371.3	5432.9	5385.0	5429.5	5429.5	5451.8	5477.4	5563.1	5451.8	5419.2
27.5°	6145.4	6207.1	6112.9	6140.3	6131.7	6186.5	6159.1	6371.5	6251.6	6198.5
30°	7077.2	7186.8	7008.7	7001.8	6993.2	7080.6	7120.0	7260.4	7138.8	7085.7
32.5°	8084.3	8199.0	7986.7	7925.0	7892.4	7945.5	7913.0	8026.0	7942.1	7859.9
35°	9149.6	9262.7	9060.6	8940.7	8810.5	8699.2	8582.7	8611.8	8533.0	8408.0
37.5°	10156.7	10364.0	10149.9	10021.4	9781.6	9564.1	9238.7	9103.4	9029.7	8915.0
40°	11182.7	11300.9	11138.2	11028.5	10768.2	10427.4	9906.7	9620.6	9521.3	9410.0
42.5°	11938.0	12051.1	11963.7	11888.3	11684.5	11288.9	10615.8	10257.8	10113.9	9988.9
45°	12537.5	12621.4	12566.6	12594.0	12506.7	12123.0	11350.5	10941.2	10792.2	10639.7
47.5°	12779.0	12868.0	12955.4	13118.1	13267.1	12984.5	12140.1	11681.1	11523.5	11367.7
50°	12751.6	12842.4	13095.8	13441.8	13904.3	13810.1	12972.5	12469.0	12323.4	12145.3
52.5°	12532.3	12635.1	12960.5	13536.0	14272.5	14428.4	13820.4	13282.5	13145.5	12933.1
55°	11956.9	12018.5	12506.7	13321.9	14359.9	14860.0	14651.0	14149.2	14012.2	13715.9
57.5°	10889.8	10978.9	11689.7	12744.7	14140.6	15152.9	15380.7	15060.4	14928.5	14502.0
60°	9497.3	9639.5	10453.0	11775.3	13582.3	15151.2	16043.5	15956.2	15846.6	15276.2
62.5°	7921.6	8086.0	8868.7	10405.1	12606.0	14721.3	16458.0	16706.4	16649.8	15990.4
65°	6083.8	6196.8	6976.1	8632.4	11086.8	13798.1	16506.0	17218.5	17228.8	16533.4
67.5°	4050.7	4376.1	5052.7	6477.7	9052.0	12289.1	16084.6	17302.4	17401.8	16720.1
70°	1976.5	2404.7	3067.6	4210.0	6477.7	9975.2	14983.3	16613.9	16834.8	16175.4
72.5°	820.4	959.2	1320.5	2077.6	3718.4	6731.2	12770.4	14747.0	15156.3	14332.5
75°	553.2	599.5	755.3	1065.3	1693.9	3319.4	9209.6	10996.0	11655.4	10824.7
77.5°	426.5	455.6	549.8	745.1	1007.1	1255.5	4929.4	6626.7	6967.6	6450.3
80°	335.7	358.0	411.1	542.9	714.2	671.4	1680.2	3002.5	3199.5	2683.9
82.5°	291.2	299.7	294.6	368.2	474.4	392.2	551.5	1108.2	1222.9	887.2
85°	210.7	234.6	244.9	227.8	251.8	198.7	226.1	392.2	431.6	385.4
87.5°	85.6	126.7	155.9	147.3	92.5	56.5	70.2	114.8	131.9	143.9
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°
3615.7	0°	3615.7	3615.7	3615.7	3615.7	3615.7	3615.7	3615.7	3615.7	3615.7	3615.7
3617.4	2.5°	3619.1	3631.1	3639.6	3649.9	3656.8	3667.0	3687.6	3699.6	3701.3	3709.9
3644.8	5°	3651.6	3668.8	3687.6	3715.0	3745.8	3771.5	3810.9	3838.3	3848.6	3857.2
3711.6	7.5°	3721.9	3745.8	3780.1	3828.0	3872.6	3906.8	3954.8	3987.3	4019.9	4031.9
3817.8	10°	3826.3	3860.6	3910.3	3975.3	4023.3	4067.8	4117.5	4144.9	4177.4	4191.2
3944.5	12.5°	3956.5	3992.5	4057.6	4148.3	4192.9	4223.7	4240.8	4234.0	4240.8	4252.8
4096.9	15°	4105.5	4144.9	4218.6	4316.2	4347.0	4319.6	4281.9	4247.7	4242.5	4246.0
4281.9	17.5°	4281.9	4311.0	4396.7	4478.9	4456.6	4343.6	4261.4	4206.6	4179.2	4170.6
4518.3	20°	4528.6	4528.6	4598.8	4650.2	4501.2	4309.3	4180.9	4091.8	4035.3	4011.3
4840.3	22.5°	4828.3	4800.9	4845.4	4809.5	4492.6	4213.4	4035.3	3881.1	3795.5	3761.2
5290.8	25°	5208.5	5176.0	5164.0	4941.3	4430.9	4061.0	3771.5	3584.8	3509.5	3490.6
5939.9	27.5°	5782.3	5700.1	5544.2	5013.3	4317.9	3821.2	3463.2	3290.2	3247.4	3249.1
6774.0	30°	6546.2	6381.8	5999.8	5025.3	4132.9	3482.1	3148.1	3024.8	3004.2	3012.8
7474.5	32.5°	7253.6	7097.7	6465.7	4970.5	3848.6	3149.8	2865.5	2783.3	2752.4	2762.7
8008.9	35°	7808.5	7765.7	6897.3	4893.4	3499.2	2838.1	2612.0	2541.8	2481.8	2468.1
8512.5	37.5°	8332.6	8315.5	7221.0	4785.5	3153.2	2617.1	2408.2	2315.7	2228.3	2180.4
9069.1	40°	8908.1	8891.0	7433.4	4619.3	2846.6	2425.3	2224.9	2103.3	1995.4	1908.0
9699.4	42.5°	9555.6	9454.5	7534.5	4381.3	2586.3	2262.6	2075.9	1911.5	1769.3	1688.8
10411.9	45°	10262.9	10035.1	7532.8	4078.1	2367.0	2113.6	1916.6	1683.7	1551.8	1476.4
11143.3	47.5°	11013.1	10590.1	7440.3	3742.4	2154.7	1949.1	1670.0	1491.8	1404.5	1358.2
11938.0	50°	11787.3	11109.0	7282.7	3357.0	1937.1	1762.4	1515.8	1394.2	1327.4	1284.6
12725.9	52.5°	12515.2	11580.0	7092.6	2920.3	1716.2	1580.9	1447.3	1353.1	1282.9	1234.9
13489.8	55°	13191.8	11986.0	6823.7	2473.2	1536.4	1459.3	1414.7	1336.0	1255.5	1198.9
14265.7	57.5°	13792.9	12249.7	6359.5	2053.6	1407.9	1375.4	1380.5	1306.8	1214.4	1166.4
15029.6	60°	14293.1	12443.3	5672.7	1664.8	1303.4	1293.1	1327.4	1252.0	1144.1	1089.3
15675.3	62.5°	14592.8	12439.9	4830.0	1363.4	1214.4	1217.8	1257.2	1183.5	1073.9	1022.5
16012.7	65°	14567.1	12135.0	3905.1	1166.4	1128.7	1132.1	1183.5	1108.2	1015.7	984.8
15843.1	67.5°	14051.6	11391.6	2995.6	1037.9	1034.5	1049.9	1109.9	1056.8	979.7	976.3
14832.6	70°	12655.7	9848.4	2158.1	935.2	936.9	959.2	1037.9	1024.2	960.9	967.7
12470.7	72.5°	10148.2	7508.8	1449.0	827.3	829.0	864.9	969.4	998.5	942.0	1032.8
8848.2	75°	6758.6	4682.7	931.7	712.5	714.2	760.5	909.5	948.9	890.6	1029.4
4603.9	77.5°	3247.4	2105.0	674.8	599.5	599.5	642.3	786.2	849.5	758.8	799.9
1479.8	80°	1121.9	791.3	531.0	483.0	472.7	501.8	662.8	736.5	654.3	602.9
483.0	82.5°	441.9	411.1	426.5	375.1	340.8	359.7	515.5	608.0	481.3	435.0
272.3	85°	253.5	267.2	301.4	248.4	197.0	220.9	378.5	436.8	363.1	320.3
89.1	87.5°	68.5	94.2	138.7	128.5	89.1	94.2	179.8	241.5	209.0	161.0
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°
3615.7
3708.1
3855.4
4033.6
4198.0
4256.2
4257.9
4182.6
4006.2
3756.1
3494.1
3254.3
3041.9
2776.4
2478.4
2182.1
1916.6
1693.9
1473.0
1348.0
1269.2
1214.4
1176.7
1135.6
1065.3
1007.1
983.1
981.4
966.0
1046.5
1037.9
733.1
565.2
433.3
327.1
166.1
0.0

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