

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: P849886

Luminaire Tested: **GLAN-SB7A-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27141 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

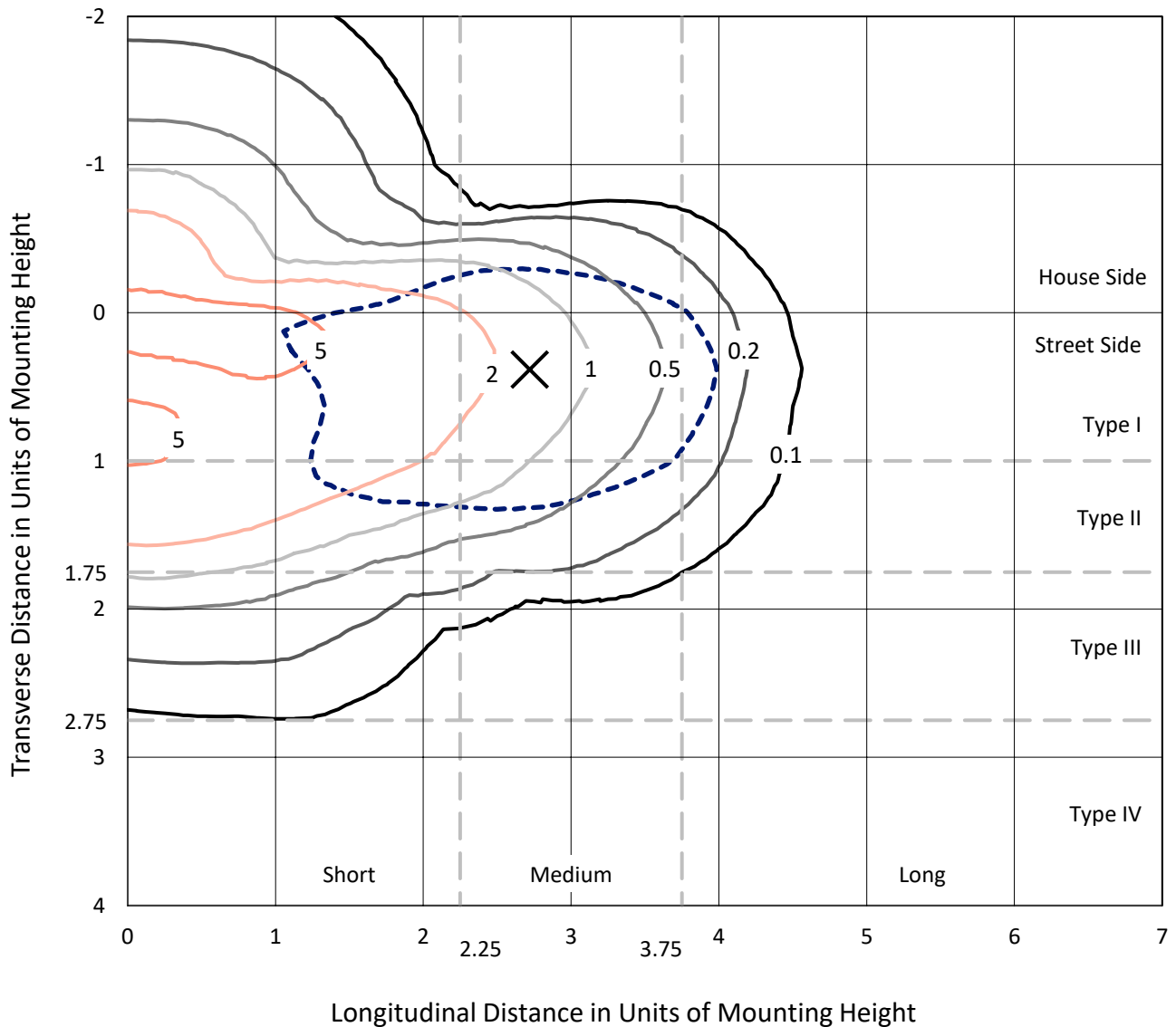
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

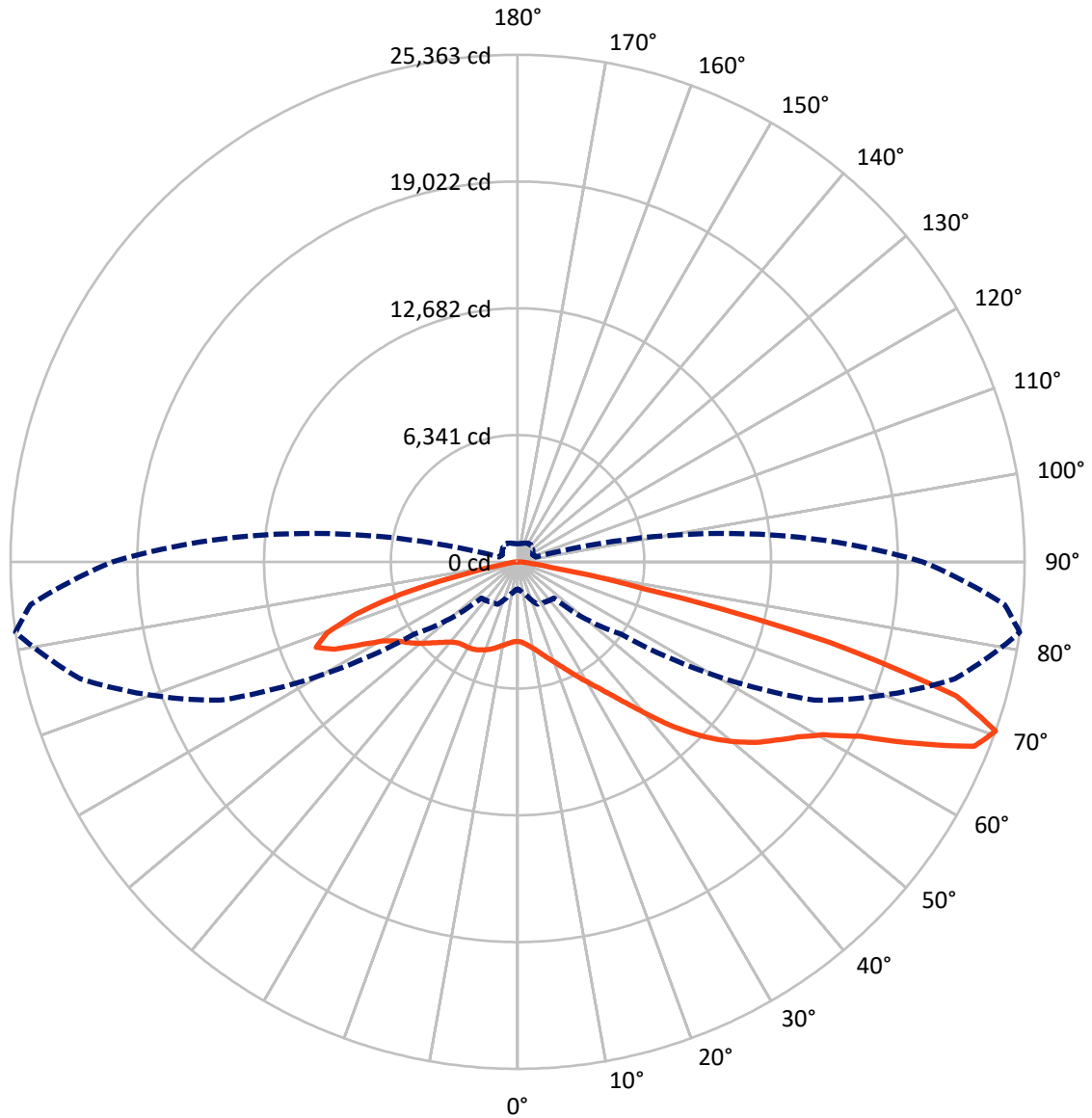
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6690.9	0.0	6690.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	20450.1	0.0	20450.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	27141.0	0.0	27141.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.7	1.4
10°-20°	1079.4	4.0
20°-30°	1805.8	6.7
30°-40°	2821.1	10.4
40°-50°	4492.9	16.6
50°-60°	6252.5	23.0
60°-70°	6540.3	24.1
70°-80°	3418.3	12.6
80°-90°	355.0	1.3
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°	27141.0	100.0
0°-180°	27141.0	100.0

Coefficient of Utilization



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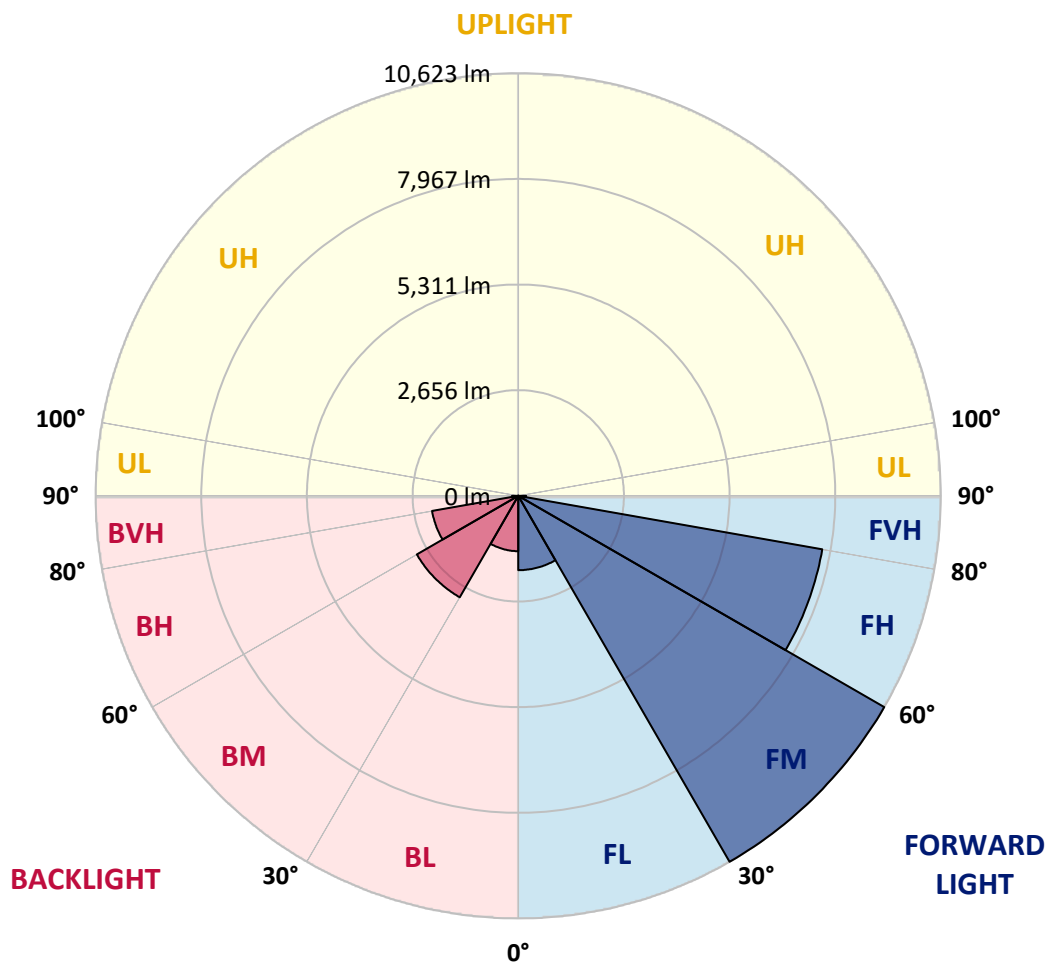
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1869.0	6.9			
FM (30°-60°)	10622.7	39.1			
FH (60°-80°)	7759.7	28.6			G4/12000
FVH (80°-90°)	198.7	0.7			G2/225
BL (0°-30°)	1392.0	5.1	B3/2500		
BM (30°-60°)	2943.7	10.8	B3/5000		
BH (60°-80°)	2199.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	156.3	0.6			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 II Medium



REPORT NUMBER: P849886
 CATALOG NUMBER: GLAN-SB7A-850-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3979.2	3979.2	3979.2	3979.2	3979.2	3979.2	3979.2	3979.2	3979.2	3979.2
2.5°	4074.3	4097.3	4090.1	4082.9	4082.9	4072.8	4071.4	4057.0	4045.5	4026.7
5°	4126.1	4150.6	4147.7	4153.5	4172.2	4176.5	4180.8	4172.2	4149.2	4126.1
7.5°	4080.0	4107.4	4116.0	4150.6	4208.2	4260.0	4298.9	4314.8	4293.2	4260.0
10°	3924.5	3954.7	3985.0	4067.1	4169.3	4291.7	4395.4	4457.3	4453.0	4421.3
12.5°	3609.1	3640.8	3705.6	3865.4	4052.7	4268.7	4461.7	4591.3	4635.9	4612.9
15°	3357.1	3384.4	3433.4	3597.6	3841.0	4169.3	4486.2	4738.2	4852.0	4839.0
17.5°	3349.9	3361.4	3391.6	3469.4	3656.6	4013.8	4460.2	4882.2	5099.7	5098.2
20°	3476.6	3480.9	3498.2	3514.0	3620.6	3895.7	4394.0	5001.7	5377.6	5377.6
22.5°	3652.3	3649.4	3666.7	3652.3	3704.1	3885.6	4352.2	5106.9	5687.3	5710.3
25°	3915.8	3901.4	3897.1	3864.0	3874.1	3979.2	4398.3	5226.4	6054.5	6102.0
27.5°	4267.2	4244.2	4228.4	4152.0	4126.1	4172.2	4539.4	5370.4	6463.5	6545.6
30°	4725.2	4683.5	4660.4	4527.9	4434.3	4441.5	4752.6	5562.0	6891.2	7023.7
32.5°	5350.3	5285.5	5223.5	5006.1	4834.7	4778.5	5027.7	5827.0	7355.0	7566.7
35°	6050.2	5998.3	5932.1	5596.5	5333.0	5203.4	5399.2	6197.1	7897.9	8233.5
37.5°	6724.2	6679.5	6711.2	6259.0	5919.1	5730.5	5886.0	6693.9	8567.6	9063.0
40°	7421.2	7386.7	7391.0	6958.9	6562.9	6351.2	6476.5	7317.5	9335.2	10049.6
42.5°	8178.8	8152.8	8066.4	7683.3	7238.3	7041.0	7156.2	8037.6	10159.0	11172.9
45°	9027.0	9011.2	8930.5	8491.3	7981.5	7759.7	7915.2	8832.6	10987.1	12230.0
47.5°	9760.1	9773.0	9763.0	9392.8	8864.3	8538.8	8724.6	9662.1	11757.6	13223.7
50°	10112.9	10180.6	10280.0	10164.8	9836.4	9505.2	9541.2	10462.9	12492.1	14155.5
52.5°	9928.6	10056.8	10327.5	10511.9	10638.6	10569.5	10473.0	11257.9	13183.4	14996.6
55°	9241.6	9421.6	9871.0	10316.0	10962.6	11465.3	11592.0	12139.3	13857.4	15736.8
57.5°	7990.1	8282.5	8685.7	9585.8	10674.6	11898.7	12896.8	13362.0	14571.7	16527.5
60°	5844.2	6236.0	6737.1	8076.5	9666.5	11666.9	14007.2	15240.0	15587.0	17551.4
62.5°	3740.1	3982.1	4442.9	5704.5	7532.1	10478.7	14347.0	17587.4	17308.1	19230.7
65°	2560.6	2716.2	3138.1	3846.7	4869.2	7800.0	13436.9	19347.3	20041.5	21892.1
67.5°	1860.7	1978.8	2338.8	2959.6	3172.7	4615.8	10426.9	19266.7	22698.6	24634.2
70°	1356.6	1440.2	1742.6	2338.8	2441.1	2567.8	6316.6	16377.7	22641.0	25363.0
72.5°	1005.2	1062.9	1265.9	1814.6	1975.9	1734.0	3126.6	11903.1	19455.4	22940.6
75°	727.3	770.5	920.3	1388.3	1581.3	1320.6	1559.7	6956.1	13570.8	16137.2
77.5°	555.9	589.0	687.0	1016.8	1265.9	990.8	967.8	3200.1	6434.7	6466.4
80°	446.5	468.1	521.3	715.8	970.7	741.7	630.8	1291.8	2033.5	1721.0
82.5°	328.4	364.4	440.7	502.6	694.2	511.3	384.5	652.4	773.4	665.4
85°	187.2	211.7	266.4	360.0	443.6	312.5	220.3	289.5	360.0	295.2
87.5°	66.2	86.4	93.6	141.1	193.0	129.6	85.0	83.5	118.1	87.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849886
 CATALOG NUMBER: GLAN-SB7A-850-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3979.2	0°	3979.2	3979.2	3979.2	3979.2	3979.2	3979.2	3979.2	3979.2	3979.2	3979.2
4022.4	2.5°	4008.0	4000.8	3972.0	3933.1	3892.8	3853.9	3841.0	3813.6	3794.9	3784.8
4116.0	5°	4088.7	4065.6	3997.9	3911.5	3820.8	3722.9	3653.7	3590.4	3544.3	3501.1
4244.2	7.5°	4203.9	4163.6	4046.9	3895.7	3734.4	3571.6	3450.7	3358.5	3296.6	3256.2
4394.0	10°	4337.8	4275.9	4097.3	3871.2	3622.0	3388.7	3246.2	3166.9	3128.1	3106.5
4565.4	12.5°	4491.9	4404.1	4149.2	3815.0	3450.7	3184.2	3086.3	3063.3	3064.7	3066.1
4781.4	15°	4682.0	4559.6	4190.9	3692.6	3227.4	3027.3	3010.0	3047.4	3086.3	3105.0
5026.2	17.5°	4896.6	4723.8	4198.1	3491.0	3008.5	2926.4	2981.2	3061.8	3120.9	3146.8
5299.9	20°	5127.0	4890.8	4146.3	3205.8	2828.5	2844.4	2942.3	3046.0	3110.8	3143.9
5612.4	22.5°	5390.6	5069.4	4022.4	2906.3	2681.6	2755.1	2870.3	2971.1	3038.8	3071.9
5979.6	25°	5691.6	5269.6	3828.0	2654.2	2554.9	2654.2	2769.5	2853.0	2907.7	2938.0
6390.1	27.5°	6025.7	5478.4	3568.8	2454.1	2444.0	2550.6	2645.6	2710.4	2739.2	2762.3
6826.4	30°	6361.3	5668.5	3254.8	2302.8	2347.5	2448.3	2516.0	2544.8	2553.4	2557.8
7313.2	32.5°	6724.2	5832.7	2925.0	2177.5	2255.3	2348.9	2389.3	2402.2	2361.9	2334.5
7903.7	35°	7163.4	6008.4	2602.4	2078.2	2164.6	2245.2	2258.2	2246.7	2199.2	2143.0
8643.9	37.5°	7706.4	6227.3	2344.6	2007.6	2079.6	2132.9	2117.1	2114.2	2118.5	2052.3
9534.0	40°	8371.8	6512.5	2155.9	1952.9	2010.5	2022.0	1977.4	2001.8	2023.4	1922.6
10510.4	42.5°	9110.6	6856.7	2036.4	1915.4	1952.9	1925.5	1856.4	1883.8	1880.9	1748.4
11491.2	45°	9863.8	7231.1	1994.6	1888.1	1899.6	1844.9	1768.5	1775.7	1715.3	1595.7
12431.6	47.5°	10612.7	7632.9	2020.6	1865.0	1833.3	1771.4	1712.4	1680.7	1591.4	1502.1
13333.2	50°	11347.2	8054.9	2115.6	1818.9	1742.6	1706.6	1663.4	1607.2	1512.2	1435.9
14185.7	52.5°	12028.4	8479.8	2222.2	1742.6	1628.8	1650.4	1623.1	1558.3	1464.7	1386.9
14992.2	55°	12673.6	8904.6	2264.0	1637.5	1522.3	1601.5	1585.6	1466.1	1353.8	1290.4
15836.2	57.5°	13376.4	9415.9	2217.9	1503.5	1435.9	1545.3	1484.8	1352.3	1287.5	1240.0
16935.0	60°	14349.9	10218.1	2118.5	1337.9	1353.8	1461.8	1358.1	1303.4	1232.8	1179.5
18582.6	62.5°	15967.2	11714.4	1958.6	1173.7	1257.3	1337.9	1297.6	1242.9	1170.9	1119.0
21399.6	65°	18357.9	13794.0	1657.6	1045.6	1149.3	1216.9	1232.8	1178.1	1103.2	1048.4
23868.1	67.5°	20374.2	15098.8	1254.4	939.0	1038.4	1119.0	1163.7	1110.4	1031.2	977.9
24445.6	70°	20263.3	14151.2	957.7	833.9	940.4	1022.5	1080.1	1038.4	953.4	903.0
22204.7	72.5°	17997.9	11838.3	774.8	727.3	841.1	921.7	990.8	959.2	872.7	823.8
16266.8	75°	13222.3	8403.4	619.3	619.3	717.2	816.6	892.9	872.7	793.5	759.0
6829.3	77.5°	5573.5	3525.6	485.3	514.1	596.2	701.4	796.4	803.6	734.5	777.7
1806.0	80°	1481.9	972.1	370.1	404.7	468.1	579.0	692.7	689.8	615.0	574.6
671.1	82.5°	564.5	383.1	263.6	285.2	338.4	443.6	548.7	566.0	491.1	424.9
263.6	85°	217.5	164.2	162.7	171.4	197.3	293.8	414.8	429.2	370.1	314.0
73.4	87.5°	56.2	49.0	60.5	57.6	90.7	157.0	237.6	246.3	226.1	131.1
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°
3979.2
3796.3
3518.4
3264.9
3112.2
3069.0
3103.6
3152.5
3152.5
3080.5
2946.6
2770.9
2567.8
2343.2
2145.9
2056.6
1925.5
1746.9
1600.0
1502.1
1430.1
1388.3
1284.6
1235.7
1176.6
1119.0
1051.3
979.3
907.3
823.8
748.9
705.7
534.3
424.9
324.0
187.2
0.0

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