

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: P850056

Luminaire Tested: **GLAN-SB7B-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850056
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-SB7B-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34071 lumens
Efficiency: N/A
Efficacy: 132.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

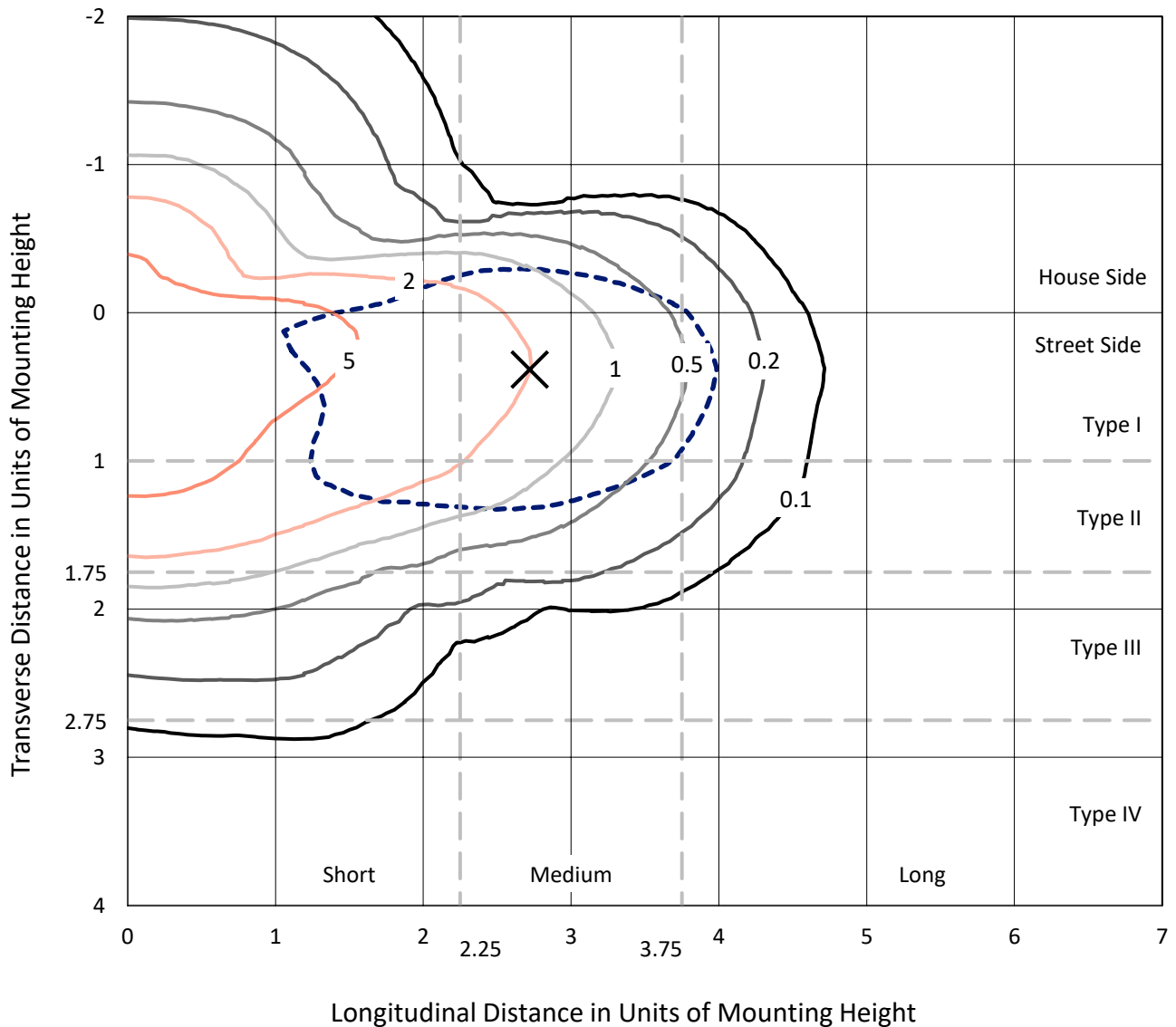
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

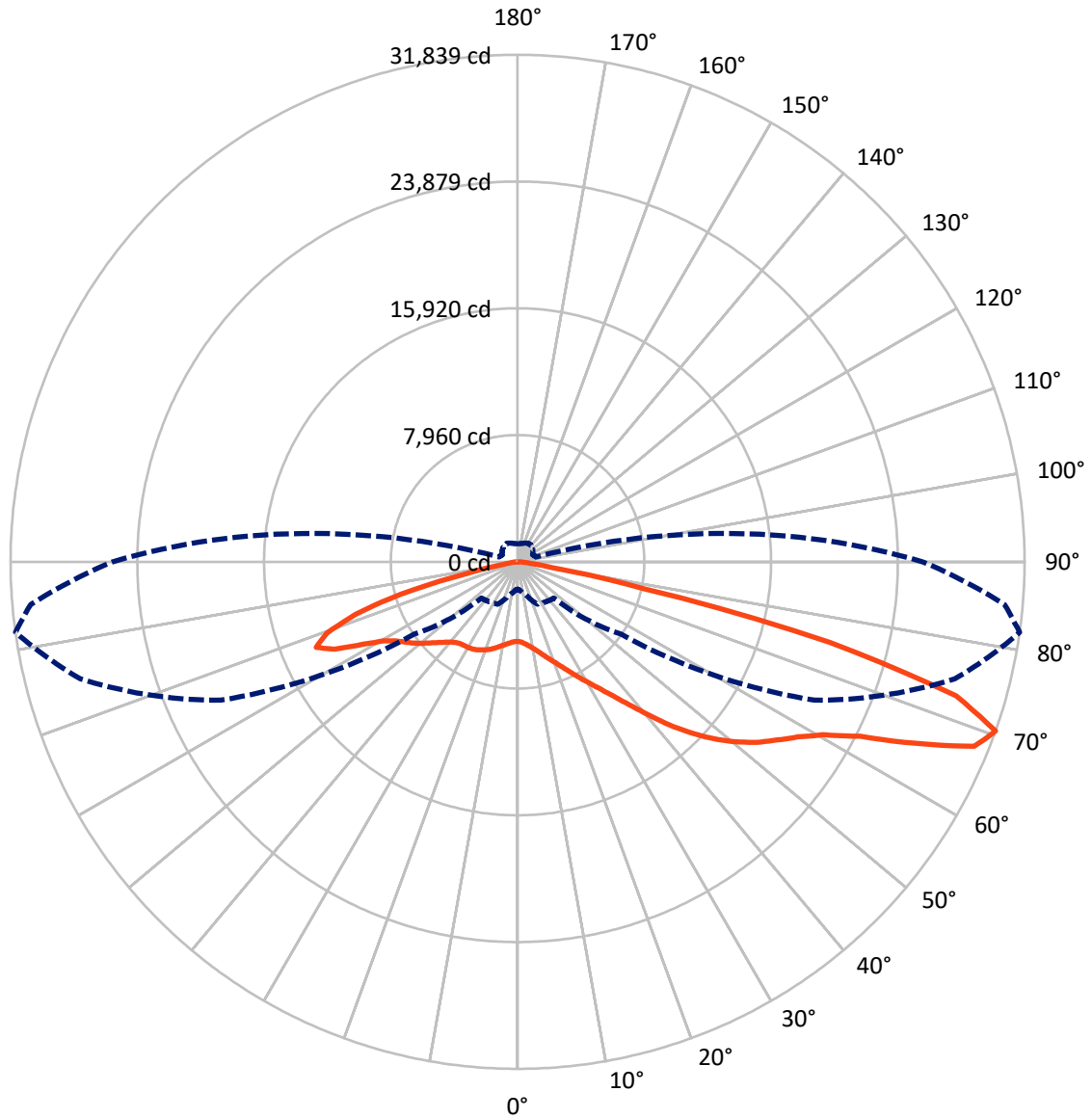
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	8399.3	0.0	8399.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	25671.7	0.0	25671.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	34071.0	0.0	34071.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.6	1.4
10°-20°	1355.0	4.0
20°-30°	2266.9	6.7
30°-40°	3541.4	10.4
40°-50°	5640.1	16.6
50°-60°	7848.9	23.0
60°-70°	8210.3	24.1
70°-80°	4291.2	12.6
80°-90°	445.6	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°	34071.0	100.0
0°-180°	34071.0	100.0

Coefficient of Utilization

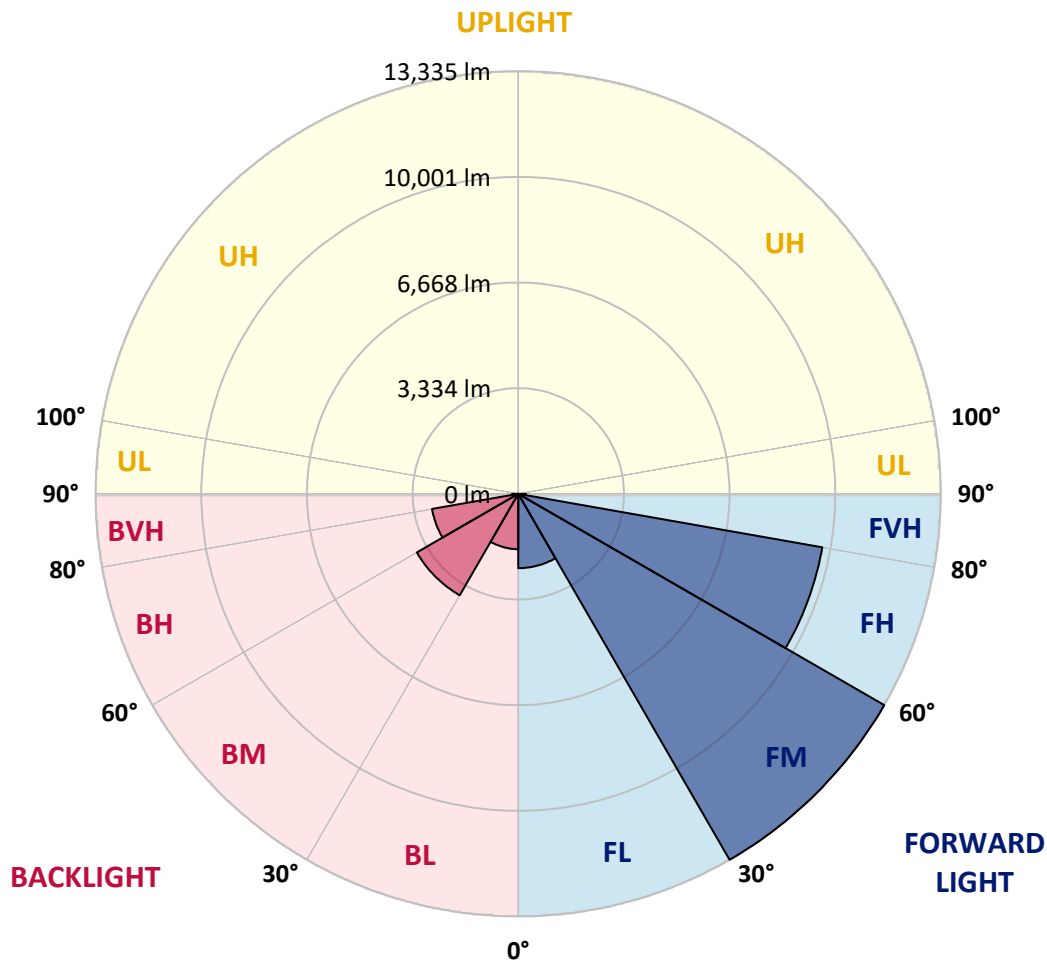


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2346.2	6.9			
FM (30°-60°)	13335.1	39.1			
FH (60°-80°)	9741.0	28.6			G4/12000
FVH (80°-90°)	249.4	0.7			G3/500
BL (0°-30°)	1747.4	5.1	B3/2500		
BM (30°-60°)	3695.4	10.8	B3/5000		
BH (60°-80°)	2760.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	196.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4995.2	4995.2	4995.2	4995.2	4995.2	4995.2	4995.2	4995.2	4995.2	4995.2
2.5°	5114.6	5143.5	5134.4	5125.4	5125.4	5112.7	5110.9	5092.9	5078.4	5054.9
5°	5179.6	5210.4	5206.8	5214.0	5237.5	5242.9	5248.3	5237.5	5208.6	5179.6
7.5°	5121.8	5156.1	5167.0	5210.4	5282.7	5347.8	5396.6	5416.5	5389.4	5347.8
10°	4926.5	4964.5	5002.5	5105.5	5233.9	5387.5	5517.7	5595.5	5590.0	5550.3
12.5°	4530.6	4570.4	4651.7	4852.4	5087.4	5358.6	5600.9	5763.6	5819.6	5790.7
15°	4214.2	4248.6	4310.0	4516.1	4821.7	5233.9	5631.6	5948.0	6090.8	6074.6
17.5°	4205.2	4219.6	4257.6	4355.2	4590.3	5038.6	5599.1	6128.8	6401.8	6400.0
20°	4364.3	4369.7	4391.4	4411.3	4545.1	4890.4	5515.9	6278.8	6750.7	6750.7
22.5°	4584.8	4581.2	4602.9	4584.8	4649.9	4877.7	5463.5	6410.8	7139.4	7168.3
25°	4915.7	4897.6	4892.2	4850.6	4863.3	4995.2	5521.3	6560.9	7600.4	7660.1
27.5°	5356.8	5327.9	5308.0	5212.2	5179.6	5237.5	5698.5	6741.7	8113.9	8216.9
30°	5931.7	5879.3	5850.4	5684.0	5566.5	5575.6	5966.1	6982.1	8650.8	8817.1
32.5°	6716.4	6635.0	6557.3	6284.3	6069.1	5998.6	6311.4	7314.8	9233.0	9498.7
35°	7595.0	7529.9	7446.8	7025.5	6694.7	6532.0	6777.8	7779.4	9914.5	10335.8
37.5°	8441.1	8385.1	8424.8	7857.1	7430.5	7193.6	7388.9	8403.1	10755.2	11377.1
40°	9316.1	9272.7	9278.2	8735.8	8238.6	7972.9	8130.1	9186.0	11718.8	12615.5
42.5°	10267.1	10234.5	10126.1	9645.2	9086.5	8838.8	8983.5	10089.9	12752.9	14025.7
45°	11331.9	11312.0	11210.8	10659.4	10019.4	9741.0	9936.2	11087.9	13792.5	15352.7
47.5°	12252.2	12268.4	12255.8	11791.1	11127.6	10719.1	10952.3	12129.2	14759.7	16600.2
50°	12695.1	12780.1	12904.8	12760.2	12348.0	11932.2	11977.4	13134.4	15681.7	17769.9
52.5°	12463.7	12624.6	12964.5	13195.9	13355.0	13268.2	13147.1	14132.4	16549.5	18825.7
55°	11601.3	11827.3	12391.4	12950.0	13761.8	14392.7	14551.8	15238.8	17395.6	19755.0
57.5°	10030.2	10397.2	10903.5	12033.4	13400.2	14936.9	16189.8	16773.7	18292.4	20747.5
60°	7336.5	7828.2	8457.4	10138.7	12134.6	14645.8	17583.7	19131.2	19566.9	22032.9
62.5°	4695.1	4998.9	5577.4	7161.1	9455.3	13154.3	18010.3	22078.1	21727.4	24140.9
65°	3214.5	3409.7	3939.4	4828.9	6112.5	9791.6	16867.7	24287.4	25158.8	27481.9
67.5°	2335.8	2484.1	2936.0	3715.2	3982.8	5794.3	13089.2	24186.1	28494.4	30924.2
70°	1703.0	1807.9	2187.6	2936.0	3064.4	3223.5	7929.5	20559.5	28422.0	31839.0
72.5°	1261.9	1334.2	1589.1	2278.0	2480.4	2176.7	3925.0	14942.3	24423.0	28798.1
75°	913.0	967.2	1155.2	1742.8	1985.1	1657.8	1958.0	8732.2	17035.9	20257.5
77.5°	697.9	739.4	862.4	1276.4	1589.1	1243.8	1214.9	4017.2	8077.7	8117.5
80°	560.4	587.6	654.5	898.5	1218.5	931.1	791.9	1621.7	2552.8	2160.4
82.5°	412.2	457.4	553.2	631.0	871.4	641.8	482.7	819.0	970.8	835.3
85°	235.0	265.8	334.5	452.0	556.8	392.3	276.6	363.4	452.0	370.6
87.5°	83.2	108.5	117.5	177.2	242.3	162.7	106.7	104.9	148.2	110.3
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°
4995.2	0°	4995.2	4995.2	4995.2	4995.2	4995.2	4995.2	4995.2	4995.2	4995.2	4995.2
5049.5	2.5°	5031.4	5022.4	4986.2	4937.4	4886.8	4837.9	4821.7	4787.3	4763.8	4751.2
5167.0	5°	5132.6	5103.7	5018.7	4910.3	4796.4	4673.4	4586.6	4507.1	4449.2	4395.0
5327.9	7.5°	5277.3	5226.6	5080.2	4890.4	4687.9	4483.6	4331.7	4216.0	4138.3	4087.7
5515.9	10°	5445.4	5367.7	5143.5	4859.6	4546.9	4254.0	4075.0	3975.6	3926.8	3899.6
5731.1	12.5°	5638.8	5528.6	5208.6	4789.1	4331.7	3997.3	3874.3	3845.4	3847.2	3849.0
6002.2	15°	5877.5	5723.8	5261.0	4635.5	4051.5	3800.2	3778.5	3825.5	3874.3	3897.8
6309.6	17.5°	6146.9	5929.9	5270.0	4382.4	3776.7	3673.7	3742.4	3843.6	3917.7	3950.3
6653.1	20°	6436.1	6139.6	5205.0	4024.4	3550.7	3570.6	3693.5	3823.7	3905.1	3946.7
7045.4	22.5°	6767.0	6363.8	5049.5	3648.3	3366.3	3458.5	3603.1	3729.7	3814.7	3856.3
7506.4	25°	7144.8	6615.1	4805.4	3332.0	3207.2	3332.0	3476.6	3581.5	3650.2	3688.1
8021.7	27.5°	7564.3	6877.3	4480.0	3080.7	3068.0	3201.8	3321.1	3402.5	3438.6	3467.6
8569.5	30°	7985.5	7115.9	4085.9	2890.8	2946.9	3073.4	3158.4	3194.6	3205.4	3210.8
9180.5	32.5°	8441.1	7322.0	3671.9	2733.5	2831.2	2948.7	2999.3	3015.6	2965.0	2930.6
9921.8	35°	8992.5	7542.6	3266.9	2608.8	2717.3	2818.5	2834.8	2820.3	2760.7	2690.2
10851.0	37.5°	9674.1	7817.4	2943.3	2520.2	2610.6	2677.5	2657.6	2654.0	2659.4	2576.3
11968.3	40°	10509.3	8175.3	2706.4	2451.5	2523.8	2538.3	2482.3	2513.0	2540.1	2413.5
13194.1	42.5°	11436.8	8607.4	2556.4	2404.5	2451.5	2417.2	2330.4	2364.7	2361.1	2194.8
14425.3	45°	12382.3	9077.5	2503.9	2370.2	2384.6	2315.9	2220.1	2229.1	2153.2	2003.2
15605.8	47.5°	13322.4	9581.9	2536.5	2341.2	2301.5	2223.7	2149.6	2109.8	1997.7	1885.6
16737.6	50°	14244.5	10111.6	2655.8	2283.4	2187.6	2142.4	2088.1	2017.6	1898.3	1802.5
17807.8	52.5°	15099.6	10644.9	2789.6	2187.6	2044.7	2071.9	2037.5	1956.2	1838.6	1741.0
18820.3	55°	15909.5	11178.3	2842.0	2055.6	1911.0	2010.4	1990.5	1840.4	1699.4	1619.9
19879.7	57.5°	16791.8	11820.1	2784.2	1887.5	1802.5	1939.9	1863.9	1697.6	1616.3	1556.6
21259.1	60°	18013.9	12827.1	2659.4	1679.5	1699.4	1835.0	1704.9	1636.2	1547.6	1480.7
23327.4	62.5°	20044.2	14705.5	2458.7	1473.4	1578.3	1679.5	1628.9	1560.2	1469.8	1404.7
26863.6	65°	23045.3	17316.1	2080.9	1312.5	1442.7	1527.7	1547.6	1478.9	1384.9	1316.2
29962.4	67.5°	25576.4	18954.0	1574.7	1178.8	1303.5	1404.7	1460.8	1393.9	1294.5	1227.6
30687.3	70°	25437.2	17764.5	1202.3	1046.8	1180.6	1283.6	1355.9	1303.5	1196.8	1133.6
27874.2	72.5°	22593.4	14861.0	972.7	913.0	1055.8	1157.1	1243.8	1204.1	1095.6	1034.1
20420.3	75°	16598.4	10549.1	777.4	777.4	900.3	1025.1	1120.9	1095.6	996.2	952.8
8573.1	77.5°	6996.6	4425.7	609.3	645.4	748.5	880.4	999.8	1008.8	922.0	976.3
2267.1	80°	1860.3	1220.3	464.6	508.0	587.6	726.8	869.6	866.0	772.0	721.4
842.5	82.5°	708.7	480.9	330.8	358.0	424.9	556.8	688.8	710.5	616.5	533.3
330.8	85°	273.0	206.1	204.3	215.1	247.7	368.8	520.7	538.8	464.6	394.1
92.2	87.5°	70.5	61.5	75.9	72.3	113.9	197.1	298.3	309.2	283.8	164.5
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°
4995.2
4765.6
4416.7
4098.5
3906.9
3852.6
3896.0
3957.5
3957.5
3867.1
3699.0
3478.4
3223.5
2941.5
2693.8
2581.7
2417.2
2193.0
2008.6
1885.6
1795.2
1742.8
1612.6
1551.2
1477.1
1404.7
1319.8
1229.4
1139.0
1034.1
940.1
885.9
670.7
533.3
406.8
235.0
0.0

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