

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: P850466

Luminaire Tested: **GLAN-SB8A-727-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850466
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-SB8A-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31962 lumens
Efficiency: N/A
Efficacy: 140.7 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

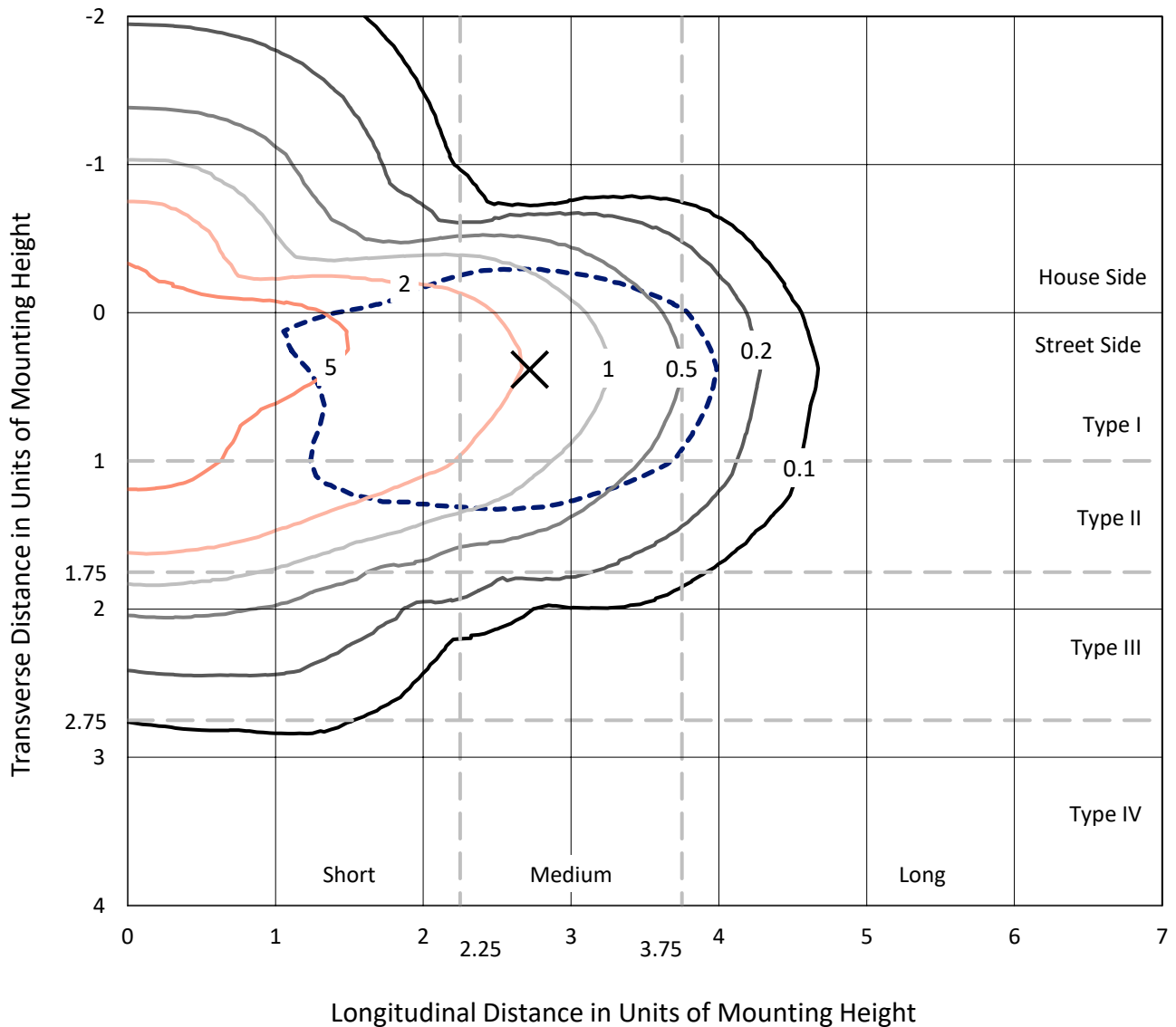
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

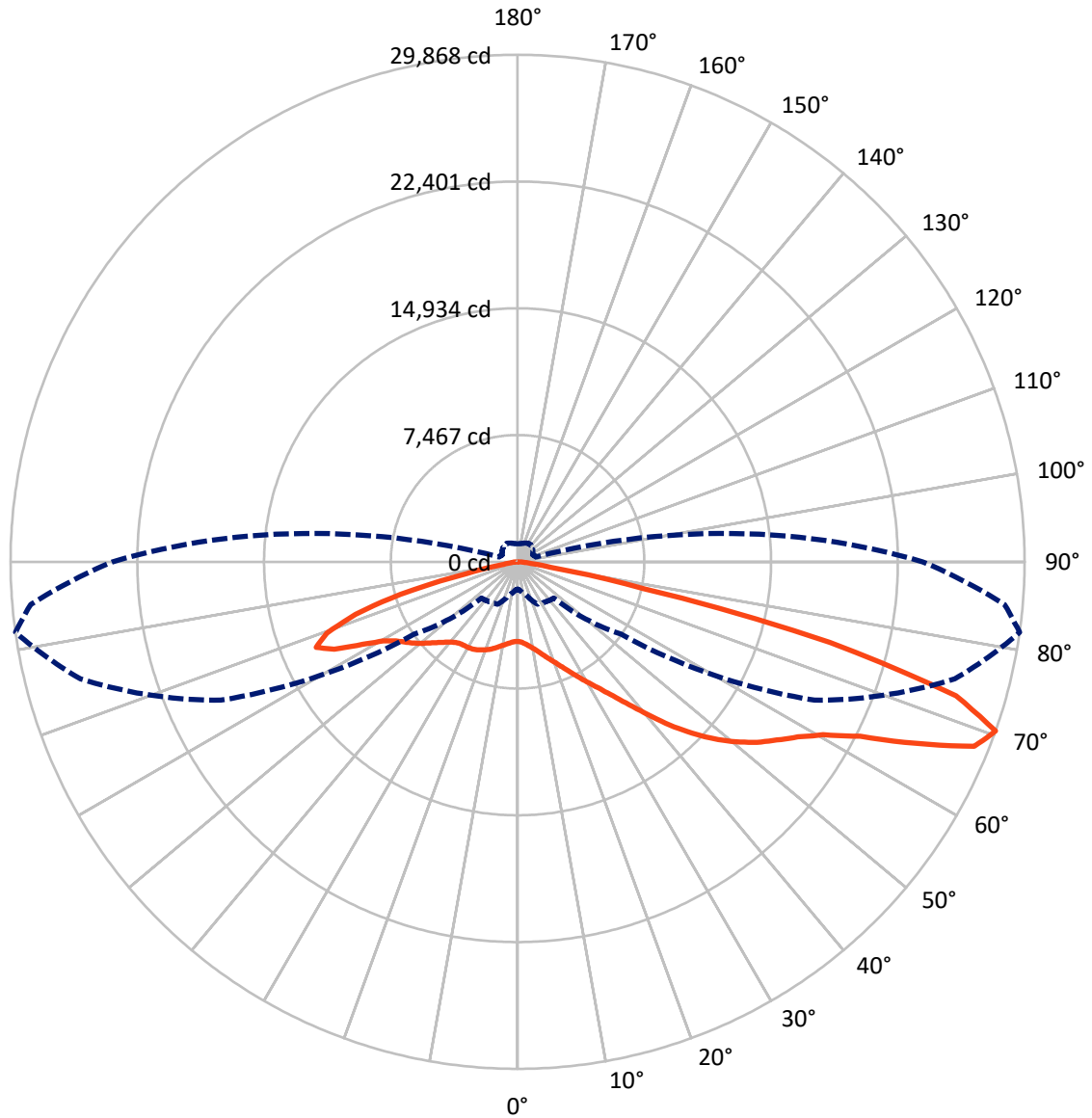
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	7879.4	0.0	7879.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	24082.6	0.0	24082.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	31962.0	0.0	31962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.4	1.4
10°-20°	1271.2	4.0
20°-30°	2126.5	6.7
30°-40°	3322.2	10.4
40°-50°	5291.0	16.6
50°-60°	7363.1	23.0
60°-70°	7702.1	24.1
70°-80°	4025.5	12.6
80°-90°	418.0	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°	31962.0	100.0
0°-180°	31962.0	100.0

Coefficient of Utilization

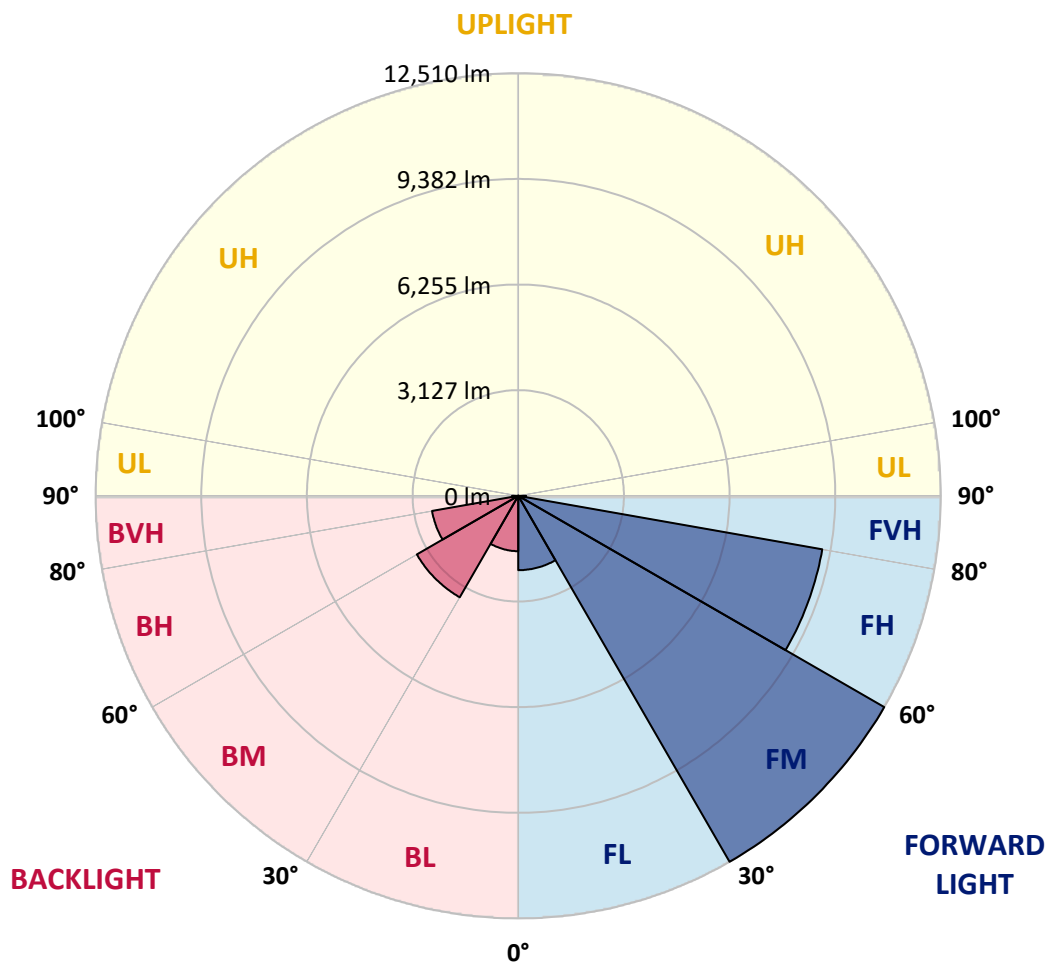


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2200.9	6.9			
FM (30°-60°)	12509.6	39.1			
FH (60°-80°)	9138.0	28.6			G4/12000
FVH (80°-90°)	234.0	0.7			G3/500
BL (0°-30°)	1639.2	5.1	B3/2500		
BM (30°-60°)	3466.6	10.8	B3/5000		
BH (60°-80°)	2589.6	8.1	B4/5000		G4/5000
BVH (80°-90°)	184.0	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°	4686.0	4686.0	4686.0	4686.0	4686.0	4686.0	4686.0	4686.0	4686.0	4686.0
2.5°	4798.0	4825.1	4816.6	4808.1	4808.1	4796.3	4794.6	4777.6	4764.0	4742.0
5°	4859.0	4887.9	4884.5	4891.2	4913.3	4918.4	4923.5	4913.3	4886.2	4859.0
7.5°	4804.7	4837.0	4847.1	4887.9	4955.7	5016.7	5062.5	5081.2	5055.8	5016.7
10°	4621.6	4657.2	4692.8	4789.5	4909.9	5054.1	5176.2	5249.1	5244.0	5206.7
12.5°	4250.2	4287.5	4363.8	4552.0	4772.5	5026.9	5254.2	5406.8	5459.4	5432.3
15°	3953.4	3985.6	4043.2	4236.6	4523.2	4909.9	5283.0	5579.8	5713.8	5698.5
17.5°	3944.9	3958.4	3994.1	4085.6	4306.1	4726.7	5252.5	5749.4	6005.5	6003.8
20°	4094.1	4099.2	4119.6	4138.2	4263.7	4587.7	5174.5	5890.2	6332.8	6332.8
22.5°	4301.0	4297.6	4318.0	4301.0	4362.1	4575.8	5125.3	6014.0	6697.5	6724.6
25°	4611.4	4594.4	4589.4	4550.3	4562.2	4686.0	5179.6	6154.8	7130.0	7185.9
27.5°	5025.2	4998.1	4979.4	4889.5	4859.0	4913.3	5345.8	6324.4	7611.6	7708.3
30°	5564.6	5515.4	5488.2	5332.2	5222.0	5230.4	5596.8	6549.9	8115.3	8271.4
32.5°	6300.6	6224.3	6151.4	5895.3	5693.4	5627.3	5920.7	6862.0	8661.4	8910.7
35°	7124.9	7063.8	6985.8	6590.6	6280.3	6127.6	6358.3	7297.9	9300.8	9696.0
37.5°	7918.6	7866.0	7903.3	7370.8	6970.5	6748.4	6931.5	7883.0	10089.5	10672.9
40°	8739.5	8698.7	8703.8	8195.0	7728.6	7479.3	7626.9	8617.3	10993.4	11834.6
42.5°	9631.5	9601.0	9499.3	9048.1	8524.1	8291.7	8427.4	9465.3	11963.5	13157.5
45°	10630.5	10611.8	10516.9	9999.6	9399.2	9138.0	9321.2	10401.5	12938.7	14402.4
47.5°	11493.7	11509.0	11497.1	11061.3	10438.8	10055.5	10274.3	11378.4	13846.1	15572.6
50°	11909.3	11989.0	12106.0	11970.3	11583.6	11193.6	11236.0	12321.4	14711.0	16669.9
52.5°	11692.2	11843.1	12162.0	12379.1	12528.3	12446.9	12333.3	13257.6	15525.1	17660.4
55°	10883.2	11095.2	11624.3	12148.4	12909.9	13501.8	13651.0	14295.5	16318.8	18532.1
57.5°	9409.4	9753.7	10228.5	11288.5	12570.7	14012.3	15187.6	15735.4	17160.1	19463.2
60°	6882.3	7343.7	7933.9	9511.1	11383.5	13739.2	16495.2	17947.0	18355.7	20669.1
62.5°	4404.5	4689.4	5232.1	6717.8	8870.0	12340.0	16895.5	20711.5	20382.4	22646.6
65°	3015.5	3198.6	3695.6	4530.0	5734.2	9185.5	15823.6	22784.0	23601.4	25780.8
67.5°	2191.2	2330.3	2754.3	3485.3	3736.3	5435.7	12279.0	22689.0	26730.5	29010.0
70°	1597.6	1696.0	2052.2	2754.3	2874.7	3024.0	7438.6	19286.8	26662.7	29868.1
72.5°	1183.8	1251.6	1490.8	2137.0	2326.9	2042.0	3682.0	14017.4	22911.2	27015.5
75°	856.5	907.4	1083.7	1634.9	1862.2	1555.2	1836.8	8191.6	15981.3	19003.6
77.5°	654.7	693.7	809.0	1197.4	1490.8	1166.8	1139.7	3768.5	7577.7	7615.0
80°	525.8	551.2	613.9	842.9	1143.1	873.4	742.8	1521.3	2394.7	2026.7
82.5°	386.7	429.1	519.0	591.9	817.5	602.1	452.8	768.3	910.7	783.5
85°	220.5	249.3	313.8	424.0	522.4	368.0	259.5	340.9	424.0	347.7
87.5°	78.0	101.8	110.2	166.2	227.3	152.6	100.1	98.4	139.1	103.5
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°
4686.0	0°	4686.0	4686.0	4686.0	4686.0	4686.0	4686.0	4686.0	4686.0	4686.0	4686.0
4736.9	2.5°	4719.9	4711.5	4677.5	4631.8	4584.3	4538.5	4523.2	4491.0	4468.9	4457.1
4847.1	5°	4814.9	4787.8	4708.1	4606.3	4499.5	4384.1	4302.7	4228.1	4173.8	4123.0
4998.1	7.5°	4950.6	4903.1	4765.7	4587.7	4397.7	4206.1	4063.6	3955.1	3882.1	3834.6
5174.5	10°	5108.3	5035.4	4825.1	4558.8	4265.4	3990.7	3822.8	3729.5	3683.7	3658.3
5376.3	12.5°	5289.8	5186.3	4886.2	4492.7	4063.6	3749.8	3634.5	3607.4	3609.1	3610.8
5630.7	15°	5513.7	5369.5	4935.3	4348.5	3800.7	3565.0	3544.6	3588.7	3634.5	3656.6
5919.0	17.5°	5766.4	5562.9	4943.8	4111.1	3542.9	3446.3	3510.7	3605.7	3675.2	3705.7
6241.3	20°	6037.7	5759.6	4882.8	3775.3	3330.9	3349.6	3464.9	3587.0	3663.3	3702.4
6609.3	22.5°	6348.1	5969.9	4736.9	3422.5	3157.9	3244.4	3380.1	3498.8	3578.5	3617.6
7041.8	25°	6702.6	6205.6	4507.9	3125.7	3008.7	3125.7	3261.4	3359.8	3424.2	3459.8
7525.1	27.5°	7096.0	6451.6	4202.7	2890.0	2878.1	3003.6	3115.5	3191.9	3225.8	3252.9
8039.0	30°	7491.2	6675.4	3832.9	2711.9	2764.5	2883.2	2962.9	2996.8	3007.0	3012.1
8612.3	32.5°	7918.6	6868.8	3444.6	2564.3	2655.9	2766.2	2813.7	2828.9	2781.4	2749.2
9307.6	35°	8435.9	7075.7	3064.7	2447.3	2549.1	2644.1	2659.3	2645.7	2589.8	2523.6
10179.4	37.5°	9075.3	7333.5	2761.1	2364.2	2449.0	2511.8	2493.1	2489.7	2494.8	2416.8
11227.5	40°	9858.8	7669.3	2538.9	2299.8	2367.6	2381.2	2328.6	2357.4	2382.9	2264.2
12377.4	42.5°	10728.9	8074.6	2398.1	2255.7	2299.8	2267.5	2186.1	2218.4	2215.0	2058.9
13532.3	45°	11615.9	8515.6	2349.0	2223.4	2237.0	2172.6	2082.7	2091.2	2019.9	1879.2
14639.8	47.5°	12497.8	8988.8	2379.5	2196.3	2159.0	2086.1	2016.5	1979.2	1874.1	1768.9
15701.5	50°	13362.7	9485.7	2491.4	2142.0	2052.2	2009.8	1958.9	1892.7	1780.8	1690.9
16705.5	52.5°	14164.9	9986.0	2616.9	2052.2	1918.2	1943.6	1911.4	1835.1	1724.8	1633.2
17655.3	55°	14924.7	10486.3	2666.1	1928.3	1792.7	1885.9	1867.3	1726.5	1594.2	1519.6
18649.1	57.5°	15752.4	11088.4	2611.8	1770.6	1690.9	1819.8	1748.6	1592.5	1516.2	1460.3
19943.2	60°	16898.9	12033.1	2494.8	1575.6	1594.2	1721.4	1599.3	1534.9	1451.8	1389.0
21883.4	62.5°	18803.5	13795.2	2306.6	1382.2	1480.6	1575.6	1528.1	1463.6	1378.8	1317.8
25200.8	65°	21618.8	16244.2	1952.1	1231.3	1353.4	1433.1	1451.8	1387.3	1299.1	1234.7
28107.7	67.5°	23993.2	17780.8	1477.2	1105.8	1222.8	1317.8	1370.4	1307.6	1214.3	1151.6
28787.8	70°	23862.6	16664.8	1127.8	982.0	1107.5	1204.2	1272.0	1222.8	1122.7	1063.4
26148.8	72.5°	21194.8	13941.1	912.4	856.5	990.5	1085.4	1166.8	1129.5	1027.8	970.1
19156.2	75°	15570.9	9896.1	729.3	729.3	844.6	961.6	1051.5	1027.8	934.5	893.8
8042.4	77.5°	6563.5	4151.8	571.5	605.5	702.1	825.9	937.9	946.4	865.0	915.8
2126.8	80°	1745.2	1144.8	435.9	476.6	551.2	681.8	815.8	812.4	724.2	676.7
790.3	82.5°	664.8	451.1	310.4	335.8	398.6	522.4	646.2	666.5	578.3	500.3
310.4	85°	256.1	193.3	191.6	201.8	232.4	346.0	488.4	505.4	435.9	369.7
86.5	87.5°	66.1	57.7	71.2	67.8	106.8	184.9	279.8	290.0	266.3	154.3
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°
4686.0
4470.6
4143.3
3844.8
3665.0
3614.2
3654.9
3712.5
3712.5
3627.7
3470.0
3263.1
3024.0
2759.4
2527.0
2421.9
2267.5
2057.2
1884.2
1768.9
1684.1
1634.9
1512.8
1455.2
1385.6
1317.8
1238.1
1153.3
1068.5
970.1
881.9
831.0
629.2
500.3
381.6
220.5
0.0

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