

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: P851566

Luminaire Tested: **GLAN-SB9C-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851566
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-SB9C-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55962 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

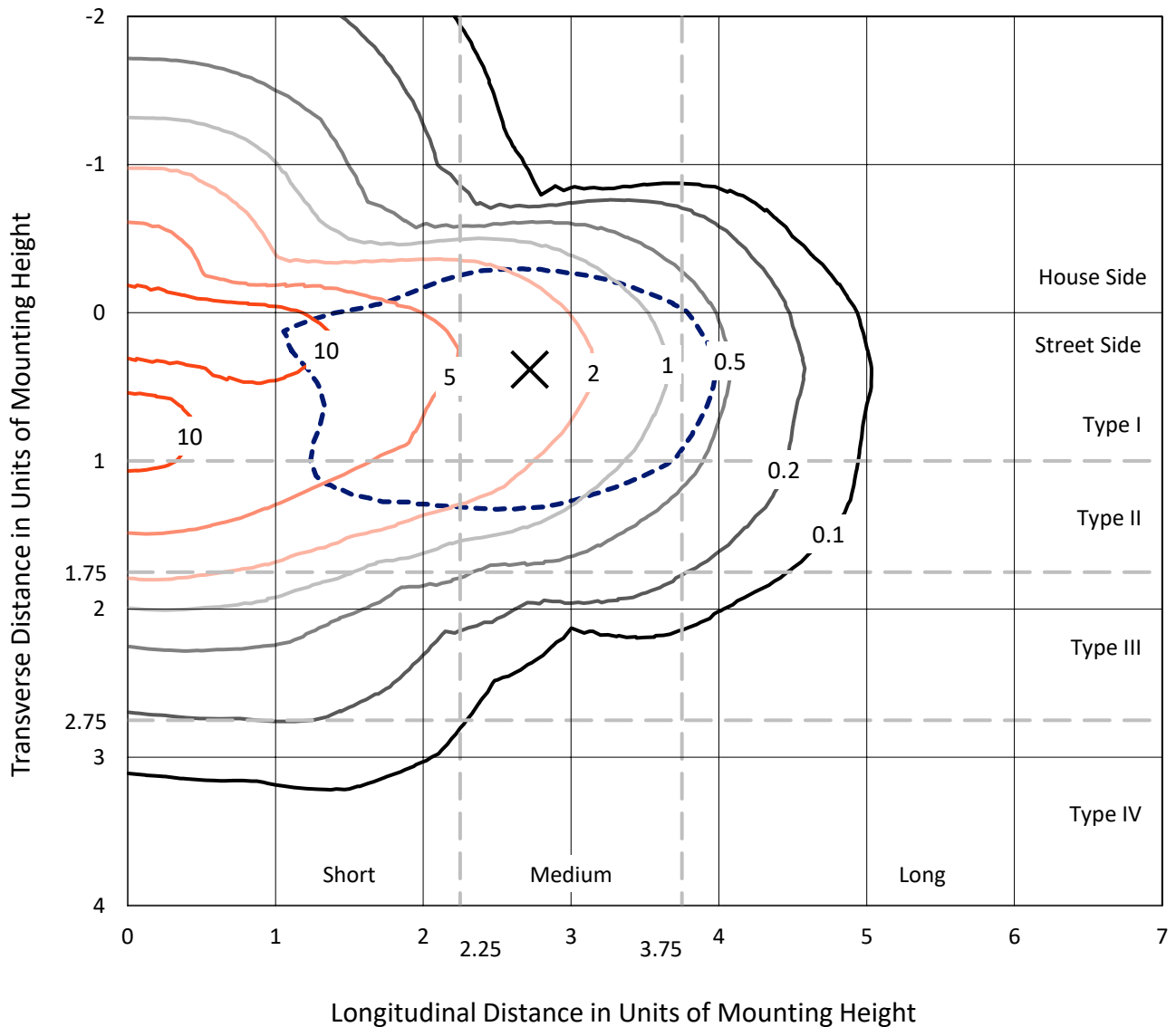
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

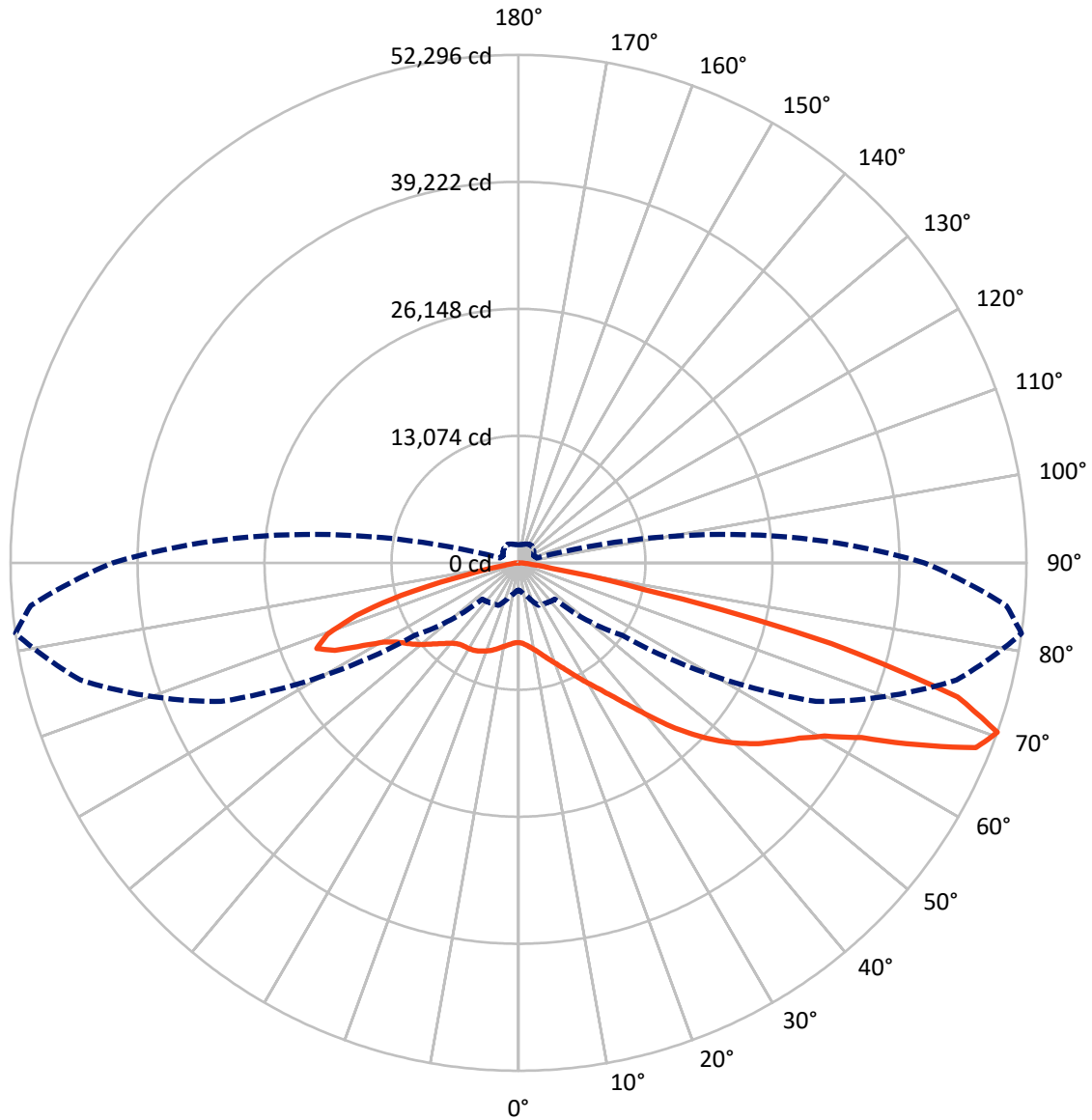
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 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	13796.0	0.0	13796.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	42166.0	0.0	42166.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	55962.0	0.0	55962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	774.7	1.4
10°-20°	2225.7	4.0
20°-30°	3723.3	6.7
30°-40°	5816.8	10.4
40°-50°	9263.9	16.6
50°-60°	12891.9	23.0
60°-70°	13485.5	24.1
70°-80°	7048.3	12.6
80°-90°	731.9	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°	55962.0	100.0
0°-180°	55962.0	100.0

Coefficient of Utilization

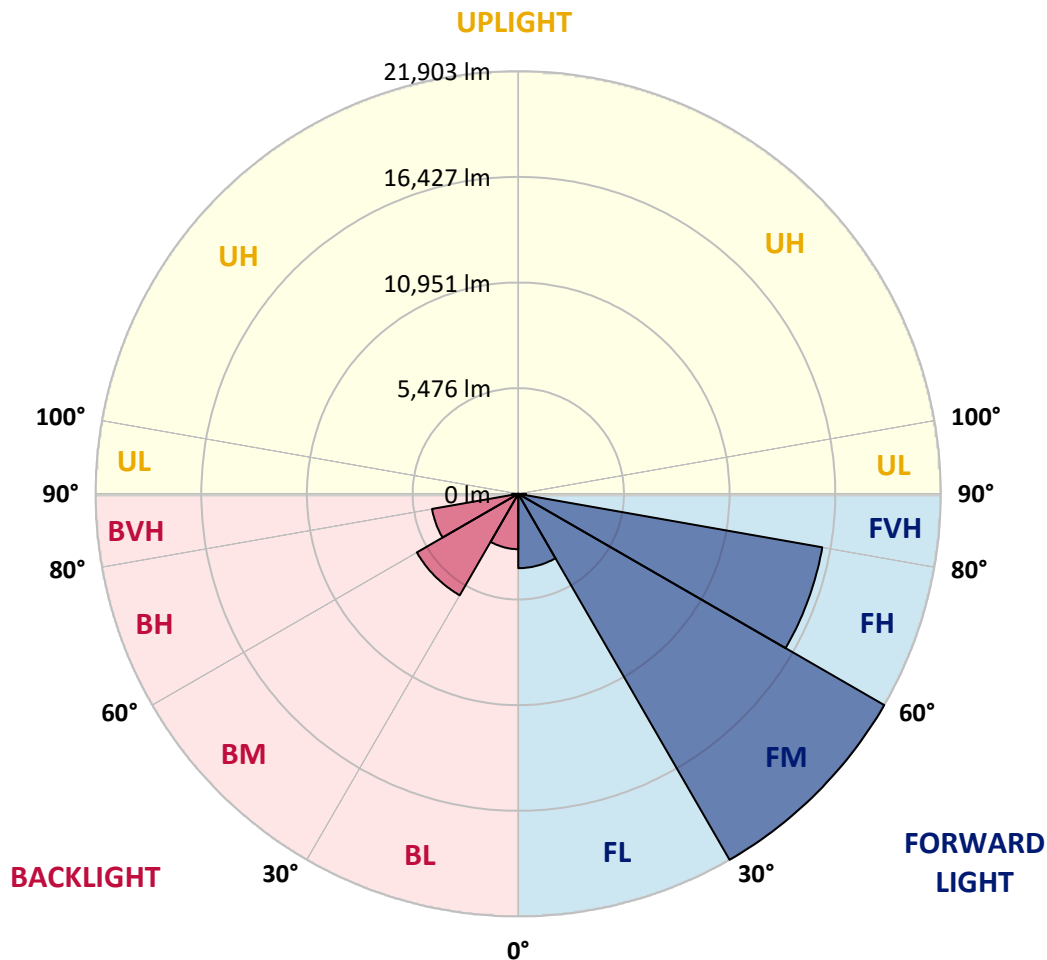


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3853.6	6.9			
FM (30°-60°)	21903.0	39.1			
FH (60°-80°)	15999.7	28.6			G5
FVH (80°-90°)	409.7	0.7			G3/500
BL (0°-30°)	2870.1	5.1	B4/5000		
BM (30°-60°)	6069.7	10.8	B4/8500		
BH (60°-80°)	4534.1	8.1	B4/5000		G4/5000
BVH (80°-90°)	322.2	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	8204.7	8204.7	8204.7	8204.7	8204.7	8204.7	8204.7	8204.7	8204.7	8204.7
2.5°	8400.7	8448.2	8433.4	8418.5	8418.5	8397.7	8394.8	8365.1	8341.3	8302.7
5°	8507.6	8558.1	8552.2	8564.0	8602.6	8611.6	8620.5	8602.6	8555.1	8507.6
7.5°	8412.6	8469.0	8486.8	8558.1	8676.9	8783.8	8864.0	8896.6	8852.1	8783.8
10°	8091.9	8154.2	8216.6	8385.9	8596.7	8849.1	9062.9	9190.6	9181.7	9116.4
12.5°	7441.6	7506.9	7640.5	7970.1	8356.2	8801.6	9199.5	9466.8	9558.8	9511.3
15°	6921.9	6978.3	7079.3	7417.8	7919.7	8596.7	9250.0	9769.7	10004.2	9977.5
17.5°	6907.1	6930.8	6993.2	7153.5	7539.6	8276.0	9196.5	10066.6	10515.0	10512.0
20°	7168.4	7177.3	7212.9	7245.6	7465.3	8032.5	9059.9	10313.1	11088.1	11088.1
22.5°	7530.7	7524.7	7560.3	7530.7	7637.6	8011.7	8973.8	10529.8	11726.6	11774.1
25°	8074.1	8044.4	8035.5	7967.2	7988.0	8204.7	9068.9	10776.3	12483.8	12581.8
27.5°	8798.6	8751.1	8718.5	8561.1	8507.6	8602.6	9359.9	11073.3	13327.1	13496.4
30°	9742.9	9656.8	9609.3	9336.1	9143.1	9157.9	9799.4	11468.2	14209.1	14482.3
32.5°	11031.7	10898.1	10770.4	10322.0	9968.6	9852.8	10366.5	12014.6	15165.2	15601.8
35°	12474.9	12368.0	12231.4	11539.5	10996.1	10728.8	11132.7	12777.8	16284.7	16976.6
37.5°	13864.6	13772.5	13837.9	12905.4	12204.6	11815.6	12136.3	13802.2	17665.6	18687.1
40°	15301.8	15230.6	15239.5	14348.6	13532.0	13095.5	13353.8	15088.0	19248.3	20721.2
42.5°	16863.8	16810.3	16632.2	15842.3	14924.7	14517.9	14755.4	16572.8	20946.9	23037.4
45°	18612.8	18580.2	18413.9	17508.2	16457.0	15999.7	16320.4	18211.9	22654.3	25217.0
47.5°	20124.3	20151.0	20130.2	19367.1	18277.3	17606.2	17989.2	19922.4	24243.0	27266.0
50°	20851.8	20991.4	21196.3	20958.7	20281.7	19598.7	19672.9	21573.4	25757.4	29187.2
52.5°	20471.7	20736.0	21294.3	21674.4	21935.7	21793.2	21594.2	23212.6	27182.8	30921.4
55°	19055.3	19426.5	20353.0	21270.5	22603.8	23640.2	23901.5	25029.9	28572.5	32447.7
57.5°	16474.8	17077.6	17909.1	19765.0	22009.9	24534.0	26591.9	27551.0	30045.4	34078.0
60°	12050.2	12857.9	13891.3	16653.0	19931.3	24055.9	28881.4	31423.3	32138.9	36189.3
62.5°	7711.8	8210.7	9160.9	11762.2	15530.5	21606.1	29582.2	36263.5	35687.5	39651.7
65°	5279.8	5600.5	6470.5	7931.5	10039.9	16082.8	27705.4	39892.3	41323.6	45139.4
67.5°	3836.6	4080.1	4822.5	6102.3	6541.8	9517.2	21499.2	39726.0	46802.3	50793.3
70°	2797.3	2969.5	3593.1	4822.5	5033.3	5294.6	13024.2	33769.2	46683.5	52295.9
72.5°	2072.7	2191.5	2610.2	3741.6	4074.2	3575.3	6446.8	24542.9	40115.0	47301.2
75°	1499.6	1588.7	1897.5	2862.6	3260.5	2723.0	3216.0	14342.7	27981.6	33273.2
77.5°	1146.2	1214.5	1416.5	2096.5	2610.2	2043.0	1995.5	6598.2	13267.7	13333.1
80°	920.5	965.1	1075.0	1475.8	2001.4	1529.3	1300.6	2663.6	4192.9	3548.6
82.5°	677.0	751.3	908.7	1036.4	1431.3	1054.2	792.9	1345.2	1594.6	1371.9
85°	386.0	436.5	549.4	742.4	914.6	644.4	454.3	596.9	742.4	608.7
87.5°	136.6	178.2	193.0	291.0	397.9	267.3	175.2	172.2	243.5	181.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851566
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8204.7	0°	8204.7	8204.7	8204.7	8204.7	8204.7	8204.7	8204.7	8204.7	8204.7	8204.7
8293.8	2.5°	8264.1	8249.3	8189.9	8109.7	8026.6	7946.4	7919.7	7863.2	7824.6	7803.8
8486.8	5°	8430.4	8382.9	8243.3	8065.2	7878.1	7676.2	7533.6	7403.0	7307.9	7218.9
8751.1	7.5°	8668.0	8584.8	8344.3	8032.5	7699.9	7364.4	7114.9	6924.9	6797.2	6714.0
9059.9	10°	8944.1	8816.4	8448.2	7982.0	7468.3	6987.2	6693.3	6529.9	6449.8	6405.2
9413.3	12.5°	9261.9	9080.7	8555.1	7866.2	7114.9	6565.6	6363.6	6316.1	6319.1	6322.1
9858.7	15°	9653.8	9401.4	8641.2	7613.8	6654.6	6241.9	6206.3	6283.5	6363.6	6402.2
10363.6	17.5°	10096.3	9740.0	8656.1	7198.1	6203.3	6034.0	6146.9	6313.2	6434.9	6488.4
10927.8	20°	10571.4	10084.4	8549.2	6610.1	5832.1	5864.8	6066.7	6280.5	6414.1	6482.4
11572.1	22.5°	11114.8	10452.6	8293.8	5992.5	5529.2	5680.7	5918.2	6126.1	6265.6	6333.9
12329.4	25°	11735.5	10865.4	7892.9	5472.8	5267.9	5472.8	5710.3	5882.6	5995.4	6057.8
13175.7	27.5°	12424.4	11296.0	7358.4	5060.0	5039.2	5259.0	5455.0	5588.6	5648.0	5695.5
14075.4	30°	13116.3	11688.0	6711.1	4748.2	4840.3	5048.2	5187.7	5247.1	5264.9	5273.8
15079.1	32.5°	13864.6	12026.5	6031.1	4489.9	4650.2	4843.3	4926.4	4953.1	4870.0	4813.6
16296.6	35°	14770.3	12388.8	5365.9	4285.0	4463.2	4629.5	4656.2	4632.4	4534.4	4418.6
17822.9	37.5°	15889.8	12840.1	4834.3	4139.5	4288.0	4397.8	4365.2	4359.2	4368.1	4231.5
19658.1	40°	17261.7	13428.1	4445.3	4026.6	4145.4	4169.2	4077.1	4127.6	4172.1	3964.3
21671.4	42.5°	18785.1	14137.8	4198.9	3949.4	4026.6	3970.2	3827.7	3884.1	3878.2	3605.0
23693.6	45°	20338.1	14909.9	4112.8	3893.0	3916.8	3803.9	3646.5	3661.4	3536.7	3290.2
25632.7	47.5°	21882.2	15738.4	4166.2	3845.5	3780.2	3652.5	3530.7	3465.4	3281.3	3097.2
27491.6	50°	23396.7	16608.4	4362.2	3750.5	3593.1	3518.9	3429.8	3314.0	3118.0	2960.6
29249.6	52.5°	24801.3	17484.4	4581.9	3593.1	3358.5	3403.0	3346.6	3213.0	3020.0	2859.6
30912.5	55°	26131.6	18360.4	4668.1	3376.3	3138.8	3302.1	3269.4	3023.0	2791.3	2660.7
32652.6	57.5°	27580.7	19414.6	4573.0	3100.2	2960.6	3186.3	3061.6	2788.4	2654.7	2556.7
34918.4	60°	29588.1	21068.6	4368.1	2758.7	2791.3	3014.0	2800.2	2687.4	2541.9	2432.0
38315.5	62.5°	32922.8	24153.9	4038.5	2420.1	2592.4	2758.7	2675.5	2562.7	2414.2	2307.3
44123.8	65°	37852.2	28441.9	3417.9	2155.9	2369.7	2509.2	2541.9	2429.1	2274.6	2161.8
49213.5	67.5°	42009.5	31132.2	2586.4	1936.1	2141.0	2307.3	2399.4	2289.5	2126.2	2016.3
50404.3	70°	41780.9	29178.3	1974.7	1719.3	1939.1	2108.3	2227.1	2141.0	1965.8	1861.9
45783.8	72.5°	37109.8	24409.3	1597.6	1499.6	1734.2	1900.5	2043.0	1977.7	1799.5	1698.6
33540.5	75°	27263.0	17327.0	1276.9	1276.9	1478.8	1683.7	1841.1	1799.5	1636.2	1564.9
14081.4	77.5°	11492.0	7269.3	1000.7	1060.1	1229.4	1446.1	1642.1	1657.0	1514.4	1603.5
3723.8	80°	3055.6	2004.4	763.2	834.4	965.1	1193.7	1428.3	1422.4	1268.0	1184.8
1383.8	82.5°	1164.0	789.9	543.4	588.0	697.8	914.6	1131.4	1167.0	1012.6	876.0
543.4	85°	448.4	338.5	335.6	353.4	406.8	605.8	855.2	884.9	763.2	647.4
151.4	87.5°	115.8	101.0	124.7	118.8	187.1	323.7	490.0	507.8	466.2	270.2
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°
8204.7
7827.6
7254.5
6731.9
6417.1
6328.0
6399.3
6500.2
6500.2
6351.8
6075.6
5713.3
5294.6
4831.4
4424.6
4240.4
3970.2
3602.0
3299.1
3097.2
2948.7
2862.6
2648.8
2547.8
2426.1
2307.3
2167.7
2019.3
1870.8
1698.6
1544.1
1455.1
1101.7
876.0
668.1
386.0
0.0

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