

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: P851413

Luminaire Tested: **GLAN-SB9B-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43655 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

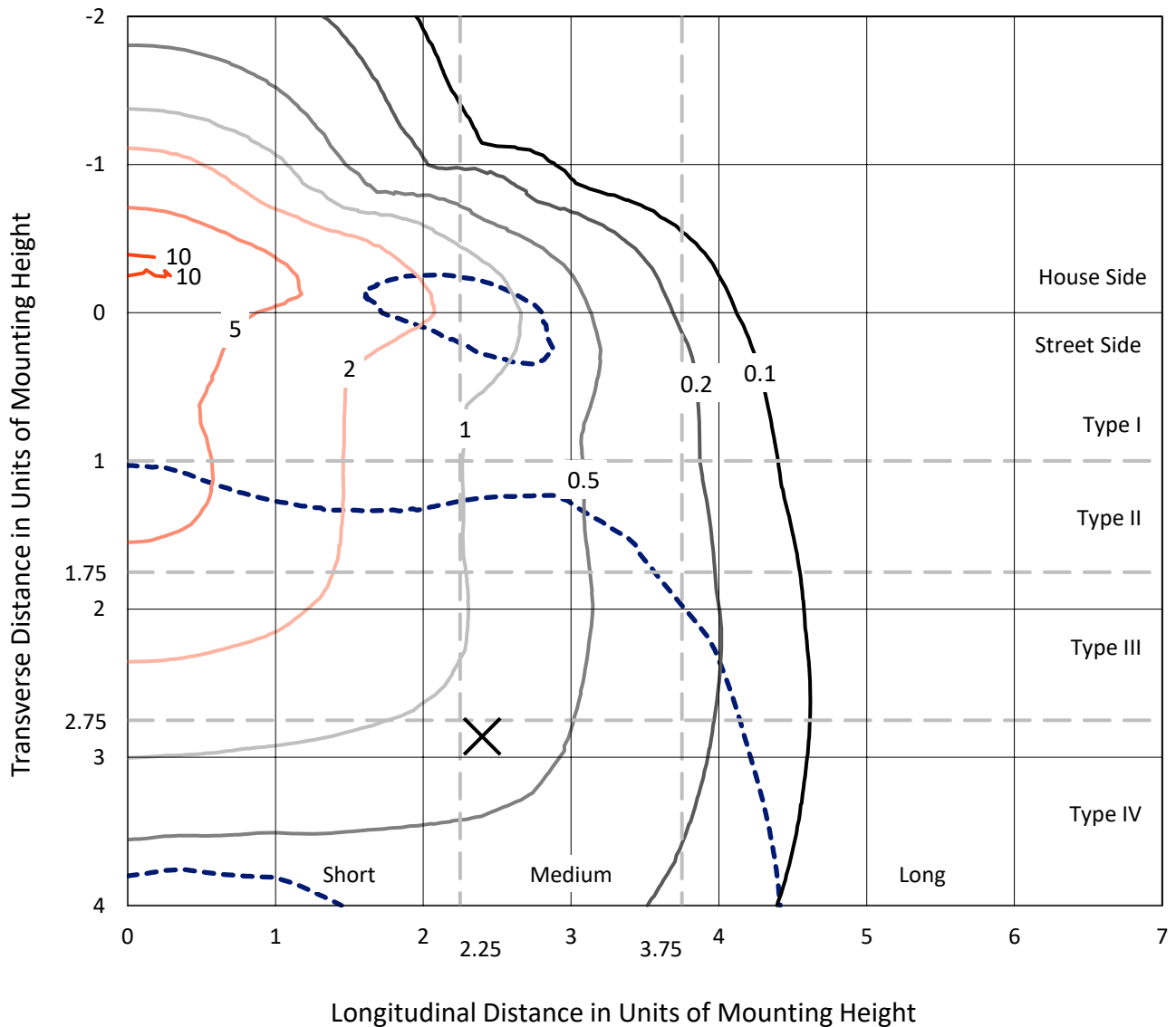
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

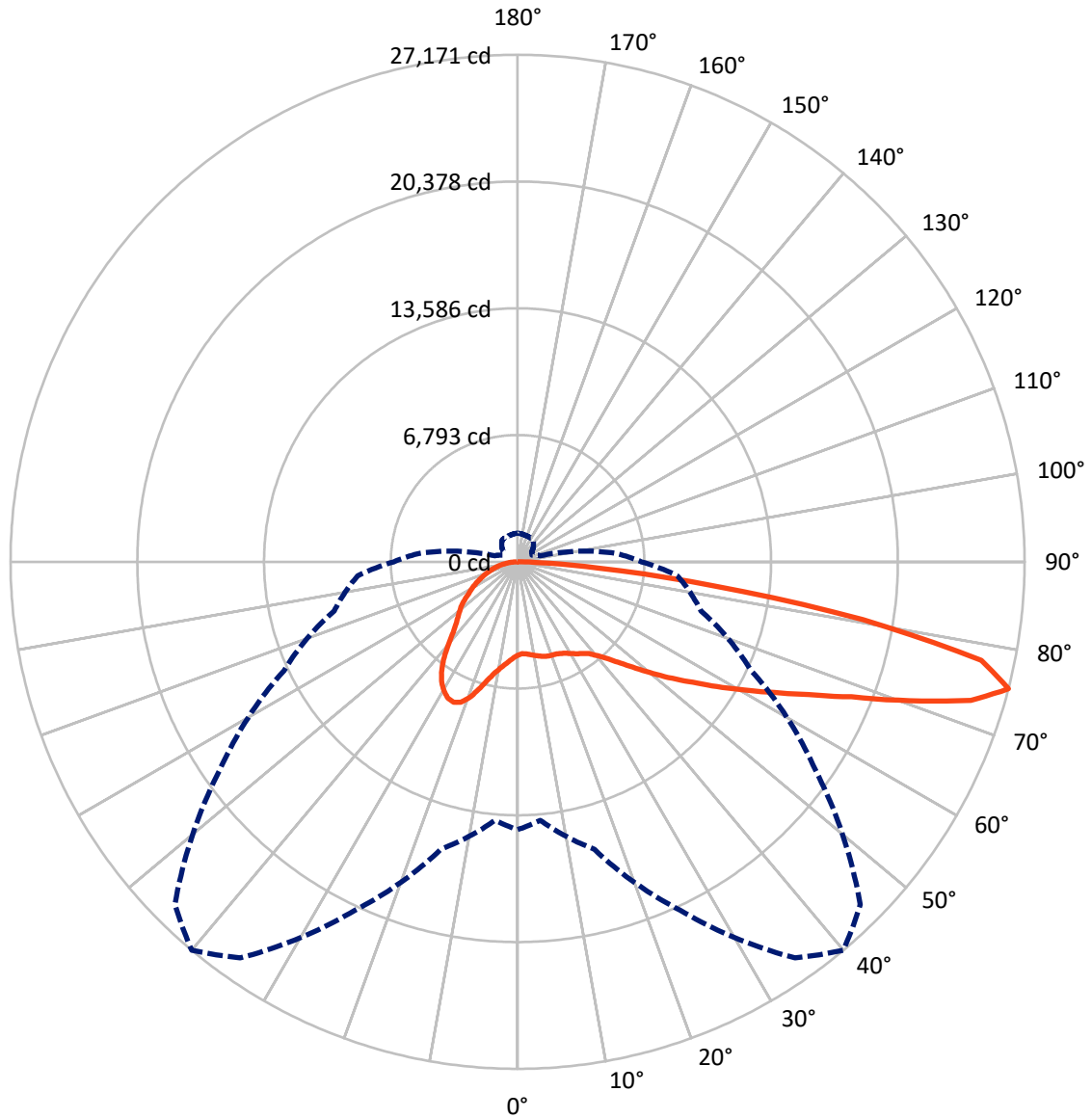
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13525.8	0.0	13525.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	30129.2	0.0	30129.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	43655.0	0.0	43655.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	498.3	1.1
10°-20°	1673.0	3.8
20°-30°	3054.8	7.0
30°-40°	4332.5	9.9
40°-50°	5850.2	13.4
50°-60°	7870.1	18.0
60°-70°	9989.0	22.9
70°-80°	9065.6	20.8
80°-90°	1321.5	3.0
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°	43655.0	100.0
0°-180°	43655.0	100.0

Coefficient of Utilization

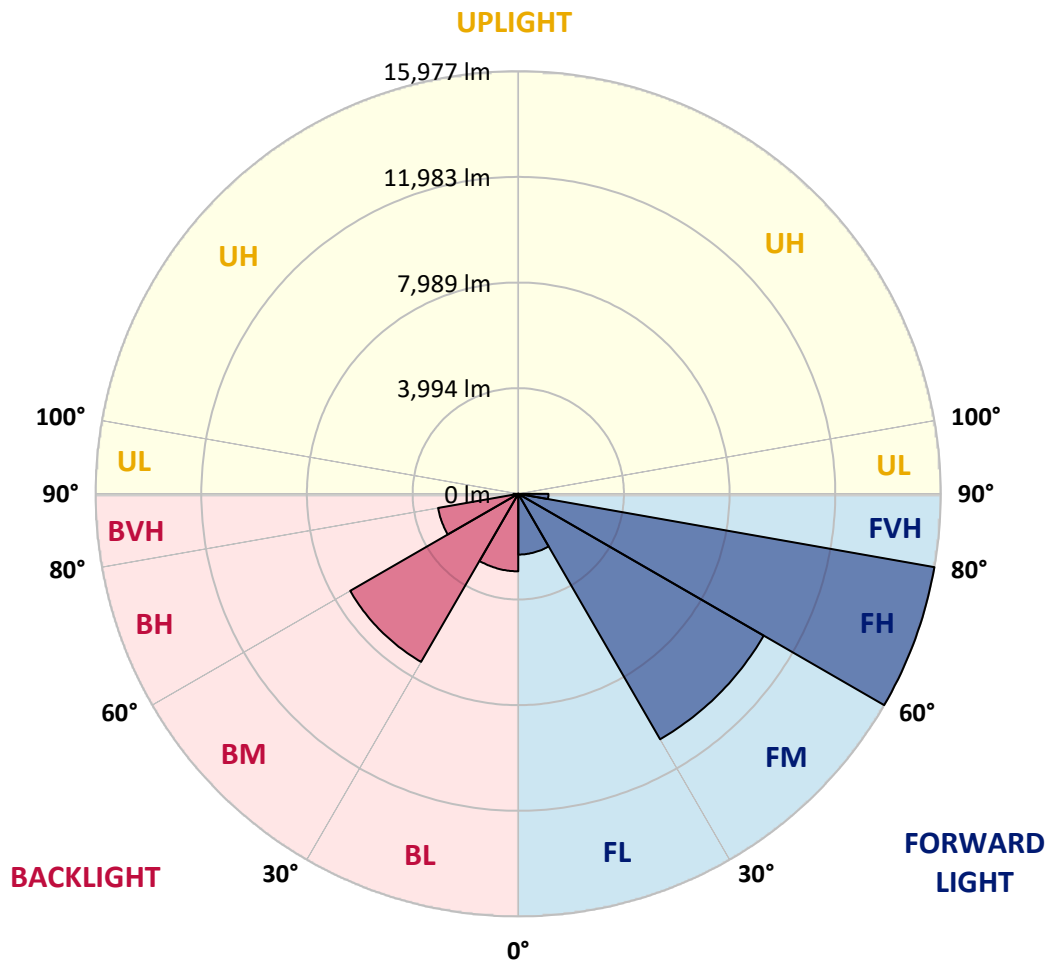


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2296.3	5.3			
FM (30°-60°)	10716.3	24.5			
FH (60°-80°)	15977.1	36.6			G5
FVH (80°-90°)	1139.5	2.6			G5
BL (0°-30°)	2929.8	6.7	B4/5000		
BM (30°-60°)	7336.5	16.8	B4/8500		
BH (60°-80°)	3077.5	7.0	B4/5000		G4/5000
BVH (80°-90°)	181.9	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4992.0	4992.0	4992.0	4992.0	4992.0	4992.0	4992.0	4992.0	4992.0	4992.0
2.5°	4915.6	4943.4	4936.4	4927.2	4927.2	4929.5	4927.2	4943.4	4959.6	4975.8
5°	4966.5	4994.3	4980.4	4968.9	4959.6	4957.3	4950.3	4948.0	4957.3	4978.1
7.5°	5066.1	5093.9	5073.0	5052.2	5033.7	5024.4	5015.2	5001.3	4994.3	5005.9
10°	5177.2	5205.0	5179.6	5142.5	5112.4	5100.8	5091.6	5077.7	5068.4	5075.4
12.5°	5288.4	5316.2	5281.4	5230.5	5191.1	5184.2	5172.6	5168.0	5165.7	5163.3
15°	5392.6	5415.7	5371.7	5311.5	5269.9	5258.3	5246.7	5253.6	5265.2	5279.1
17.5°	5473.6	5496.8	5431.9	5353.2	5313.8	5309.2	5302.3	5325.4	5357.8	5392.6
20°	5547.7	5570.9	5487.5	5381.0	5334.7	5334.7	5337.0	5385.6	5431.9	5482.9
22.5°	5651.9	5670.4	5568.5	5422.7	5355.5	5360.2	5378.7	5427.3	5485.2	5554.7
25°	5807.0	5820.9	5695.9	5501.4	5425.0	5438.9	5455.1	5478.2	5533.8	5614.9
27.5°	6057.1	6068.7	5904.3	5640.3	5524.5	5547.7	5570.9	5554.7	5580.1	5649.6
30°	6409.0	6416.0	6207.6	5858.0	5693.6	5705.2	5709.8	5642.6	5594.0	5649.6
32.5°	6825.8	6823.5	6575.7	6121.9	5885.8	5874.2	5834.8	5702.8	5589.4	5638.0
35°	7471.8	7446.3	7126.8	6492.4	6103.4	6031.6	5939.0	5770.0	5612.5	5626.4
37.5°	8541.5	8462.8	8020.6	7099.0	6427.6	6244.6	6108.0	5878.8	5663.5	5621.8
40°	9747.8	9648.3	9162.0	7930.3	6913.8	6619.7	6399.8	6033.9	5746.8	5642.6
42.5°	11178.8	11037.5	10514.2	8909.7	7529.7	7103.7	6772.6	6230.7	5869.5	5709.8
45°	12936.2	12748.6	12007.7	10014.1	8305.3	7738.1	7295.8	6529.4	6057.1	5839.4
47.5°	14712.1	14758.4	13704.9	11278.3	9236.1	8520.7	7951.1	6978.6	6330.3	6047.8
50°	16599.1	16631.5	15392.8	12679.1	10292.0	9405.2	8687.4	7481.1	6710.0	6344.2
52.5°	18071.7	18076.3	16925.6	14144.8	11391.8	10377.6	9481.6	8055.3	7150.0	6737.8
55°	18993.2	18981.7	17999.9	15531.7	12656.0	11398.7	10361.4	8708.2	7687.1	7200.9
57.5°	19662.4	19627.7	18740.9	16724.2	14003.6	12605.1	11357.0	9449.2	8321.6	7752.0
60°	19917.1	19896.3	19243.3	17754.5	15420.6	13938.7	12505.5	10278.1	9041.6	8402.6
62.5°	20014.3	20053.7	19736.5	18752.4	16937.2	15415.9	13767.4	11269.1	9852.0	9138.9
65°	20357.0	20428.8	20364.0	20058.3	18650.6	17145.6	15441.4	12447.6	10736.5	9928.4
67.5°	21035.4	21107.2	21135.0	21621.2	20743.7	19301.2	17529.9	13915.6	11771.5	10748.1
70°	21019.2	20998.4	21489.2	22864.6	23364.7	22285.7	20345.4	15721.6	13005.6	11428.8
72.5°	19132.2	18965.5	20125.5	22850.7	25545.8	25402.3	23783.8	18050.9	14070.7	11512.2
75°	14353.2	13908.6	15957.8	20593.2	25909.4	27171.2	25969.6	19495.7	13818.3	10171.6
77.5°	6138.1	5691.3	8106.2	15244.6	23188.8	25400.0	23964.4	17008.9	11030.6	6726.2
80°	1606.9	1604.6	2449.7	6911.5	15770.2	18757.1	16455.6	10984.3	6302.5	2403.4
82.5°	664.5	648.3	900.7	2688.2	7705.7	10525.8	8590.1	4899.4	2276.0	650.6
85°	247.7	245.4	437.6	928.5	2718.3	4341.4	3142.0	1252.6	567.3	317.2
87.5°	69.5	67.1	94.9	321.8	662.2	1004.9	537.2	206.1	159.8	125.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4992.0	0°	4992.0	4992.0	4992.0	4992.0	4992.0	4992.0	4992.0	4992.0	4992.0	4992.0
5001.3	2.5°	5008.2	5019.8	5040.6	5056.8	5077.7	5100.8	5133.2	5154.1	5174.9	5188.8
5012.8	5°	5029.1	5054.5	5107.8	5161.0	5223.5	5281.4	5348.6	5397.2	5436.6	5448.1
5054.5	7.5°	5075.4	5117.0	5207.3	5297.6	5397.2	5492.1	5589.4	5672.7	5739.9	5765.4
5128.6	10°	5156.4	5212.0	5339.3	5466.7	5598.6	5744.5	5869.5	5989.9	6084.9	6124.2
5216.6	12.5°	5258.3	5327.7	5494.4	5670.4	5853.3	6054.8	6216.9	6365.0	6483.1	6536.4
5339.3	15°	5390.3	5480.6	5693.6	5929.7	6198.3	6478.5	6684.6	6849.0	6980.9	7045.8
5466.7	17.5°	5533.8	5654.2	5922.8	6279.4	6663.7	7031.9	7272.7	7393.1	7529.7	7592.2
5584.8	20°	5672.7	5820.9	6205.3	6723.9	7235.6	7626.9	7821.4	7853.8	7863.1	7870.1
5695.9	22.5°	5816.3	6015.4	6559.5	7284.3	7833.0	8103.9	8131.7	7992.8	7798.3	7708.0
5804.7	25°	5973.7	6237.7	7022.6	7902.5	8347.0	8379.4	8166.4	7828.4	7460.2	7291.2
5892.7	27.5°	6126.6	6494.7	7578.3	8492.9	8717.5	8432.7	7974.2	7495.0	7050.4	6872.1
5955.2	30°	6279.4	6788.8	8191.9	9009.2	8886.5	8300.7	7670.9	7136.1	6689.2	6501.6
6010.8	32.5°	6434.5	7131.4	8898.1	9382.0	8856.4	8020.6	7293.5	6733.2	6339.6	6142.8
6059.4	35°	6610.5	7552.8	9567.2	9585.8	8655.0	7608.4	6795.7	6251.6	5908.9	5751.5
6117.3	37.5°	6839.7	8087.7	10157.7	9636.7	8303.0	7004.1	6177.5	5682.0	5399.5	5327.7
6203.0	40°	7124.5	8731.4	10609.2	9555.7	7782.1	6270.1	5501.4	5105.5	4945.7	4961.9
6318.7	42.5°	7495.0	9451.5	10926.4	9347.3	7057.3	5513.0	4908.7	4732.7	4809.1	4873.9
6492.4	45°	7976.6	10199.3	11123.2	8993.0	6237.7	4871.6	4559.0	4600.7	4658.6	4665.5
6772.6	47.5°	8592.5	10956.5	11252.9	8458.2	5401.8	4420.1	4336.7	4346.0	4334.4	4285.8
7191.6	50°	9361.2	11692.8	11368.6	7749.7	4691.0	4137.6	4026.5	3994.1	3834.3	3676.9
7749.7	52.5°	10236.4	12368.9	11417.2	6869.8	4137.6	3901.5	3720.9	3517.1	3218.4	3169.8
8451.2	55°	11208.9	12994.0	11292.2	5788.5	3672.2	3598.1	3324.9	3079.5	3047.1	3005.4
9375.1	57.5°	12371.2	13667.8	11037.5	4582.2	3195.3	3243.9	2977.6	3005.4	2947.5	2882.7
10562.9	60°	13642.4	14364.8	10590.7	3482.4	2702.1	2801.6	2887.3	2885.0	2868.8	2815.5
11815.5	62.5°	14786.2	14823.2	9710.8	2667.3	2269.1	2459.0	2692.8	2690.5	2676.6	2646.5
13123.7	65°	15466.9	14753.7	8242.8	2100.1	1912.5	2176.5	2428.9	2447.4	2449.7	2447.4
14107.7	67.5°	15346.5	13941.0	6228.4	1671.7	1618.5	1889.4	2167.2	2192.7	2211.2	2215.8
14232.8	70°	13985.0	12155.9	4061.2	1333.7	1356.8	1637.0	1919.5	1944.9	1961.1	1979.7
12350.4	72.5°	10900.9	8937.5	2324.7	1079.0	1127.6	1419.3	1674.0	1704.1	1713.4	1748.1
8594.8	75°	6642.9	5256.0	1254.9	849.8	926.2	1213.3	1430.9	1465.6	1481.9	1523.5
4221.0	77.5°	3158.2	2276.0	715.5	662.2	745.6	991.0	1208.6	1248.0	1204.0	1227.2
1164.6	80°	1067.4	845.1	451.5	504.8	569.6	773.3	967.8	1007.2	914.6	910.0
386.7	82.5°	372.8	342.7	287.1	335.7	368.1	553.4	731.7	782.6	680.7	678.4
173.7	85°	145.9	138.9	159.8	182.9	220.0	340.4	481.6	507.1	419.1	338.0
50.9	87.5°	30.1	32.4	39.4	41.7	67.1	118.1	173.7	213.0	169.0	143.6
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°
4992.0
5179.6
5452.8
5767.7
6126.6
6536.4
7041.1
7589.9
7888.6
7733.4
7316.7
6893.0
6522.5
6168.2
5786.2
5378.7
5017.5
4934.1
4711.8
4322.9
3697.7
3186.0
3012.3
2871.1
2797.0
2634.9
2447.4
2220.5
1988.9
1762.0
1528.2
1208.6
900.7
646.0
333.4
132.0
0.0

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