

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: P850376

Luminaire Tested: **GLAN-SB7D-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850376
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-SB7D-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59371 lumens
Efficiency: N/A
Efficacy: 115.8 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

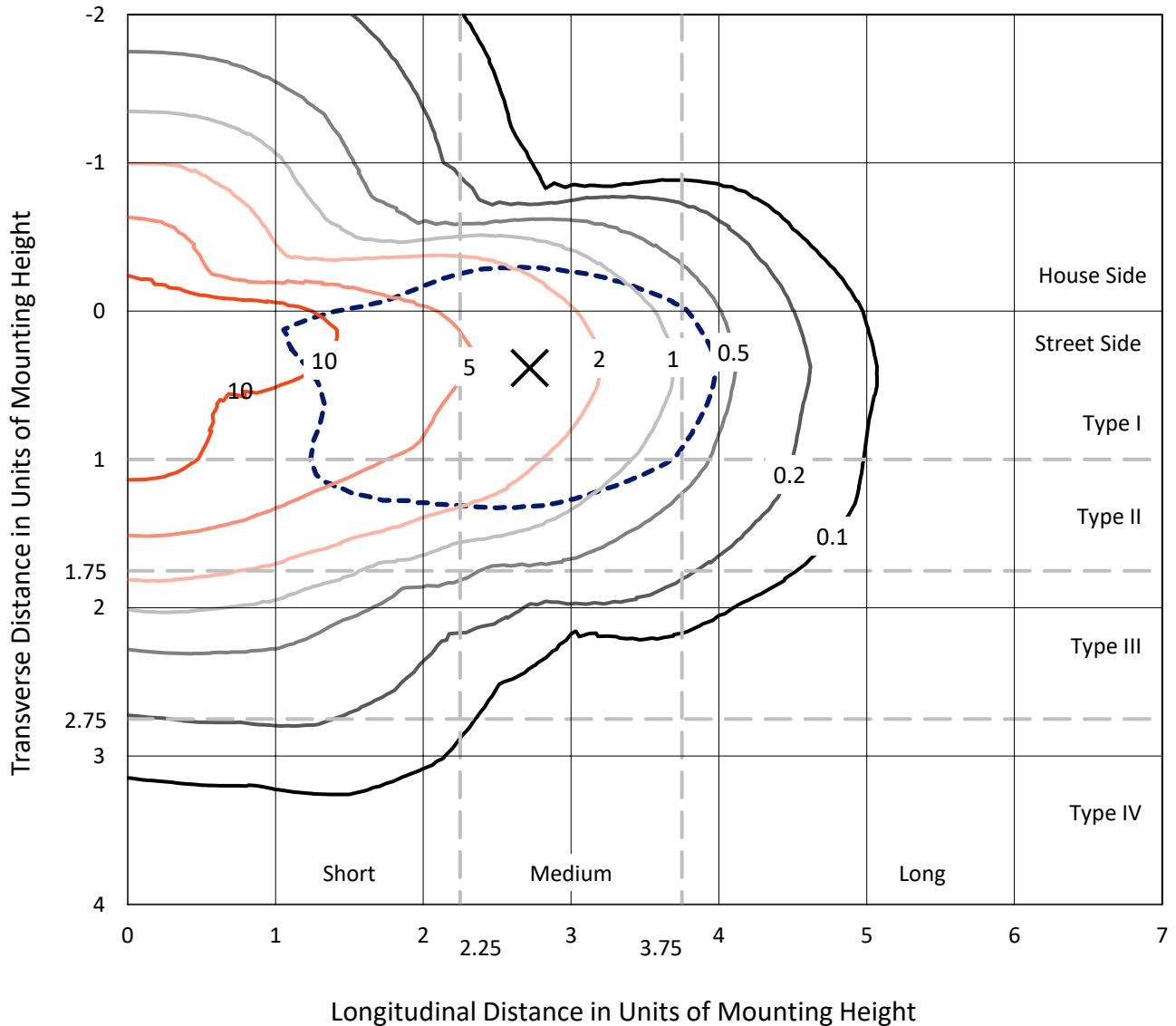
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

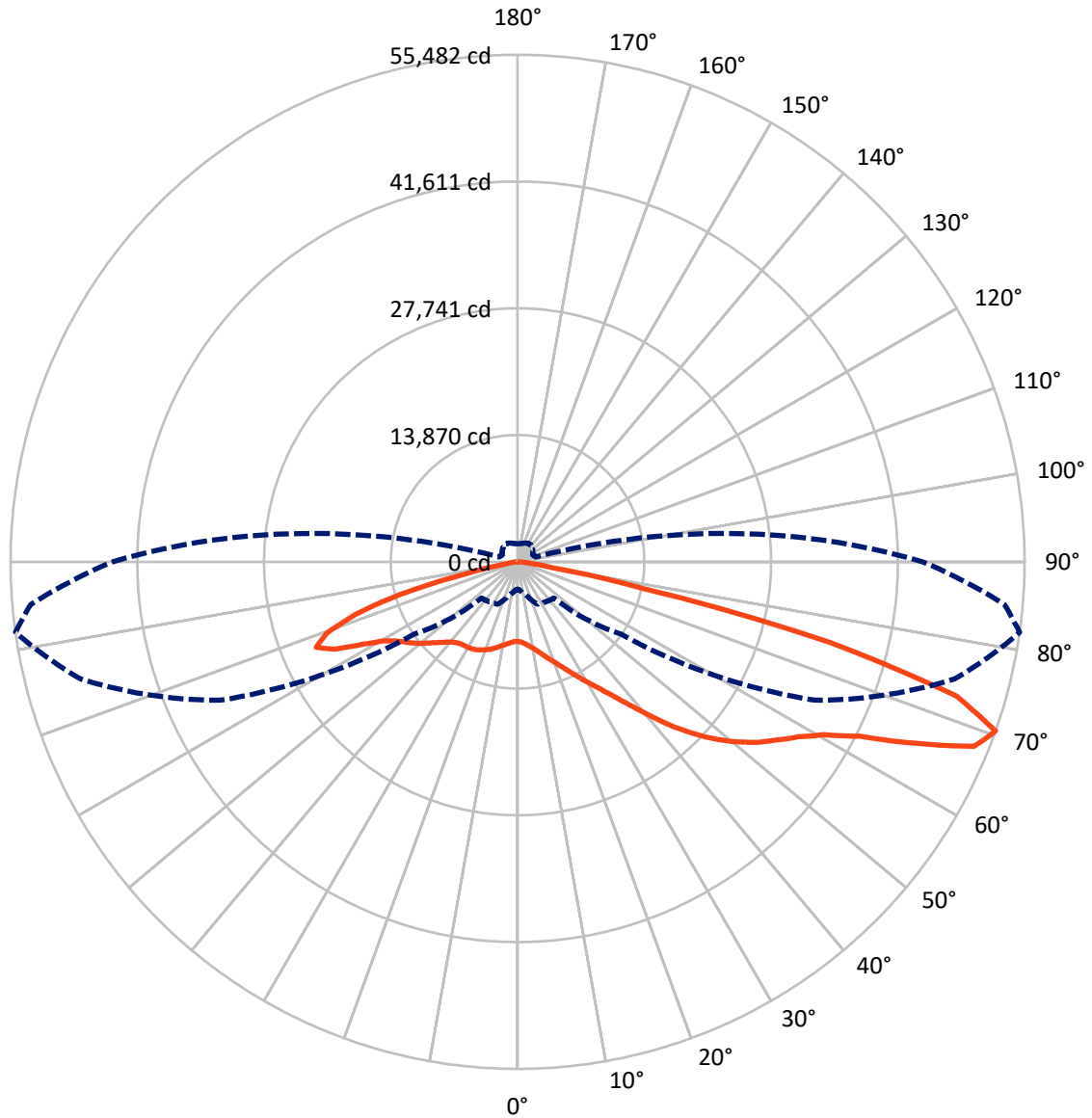
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 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	14636.4	0.0	14636.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	44734.6	0.0	44734.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	59371.0	0.0	59371.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	821.9	1.4
10°-20°	2361.3	4.0
20°-30°	3950.1	6.7
30°-40°	6171.1	10.4
40°-50°	9828.3	16.6
50°-60°	13677.2	23.0
60°-70°	14307.0	24.1
70°-80°	7477.6	12.6
80°-90°	776.5	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°	59371.0	100.0
0°-180°	59371.0	100.0

Coefficient of Utilization

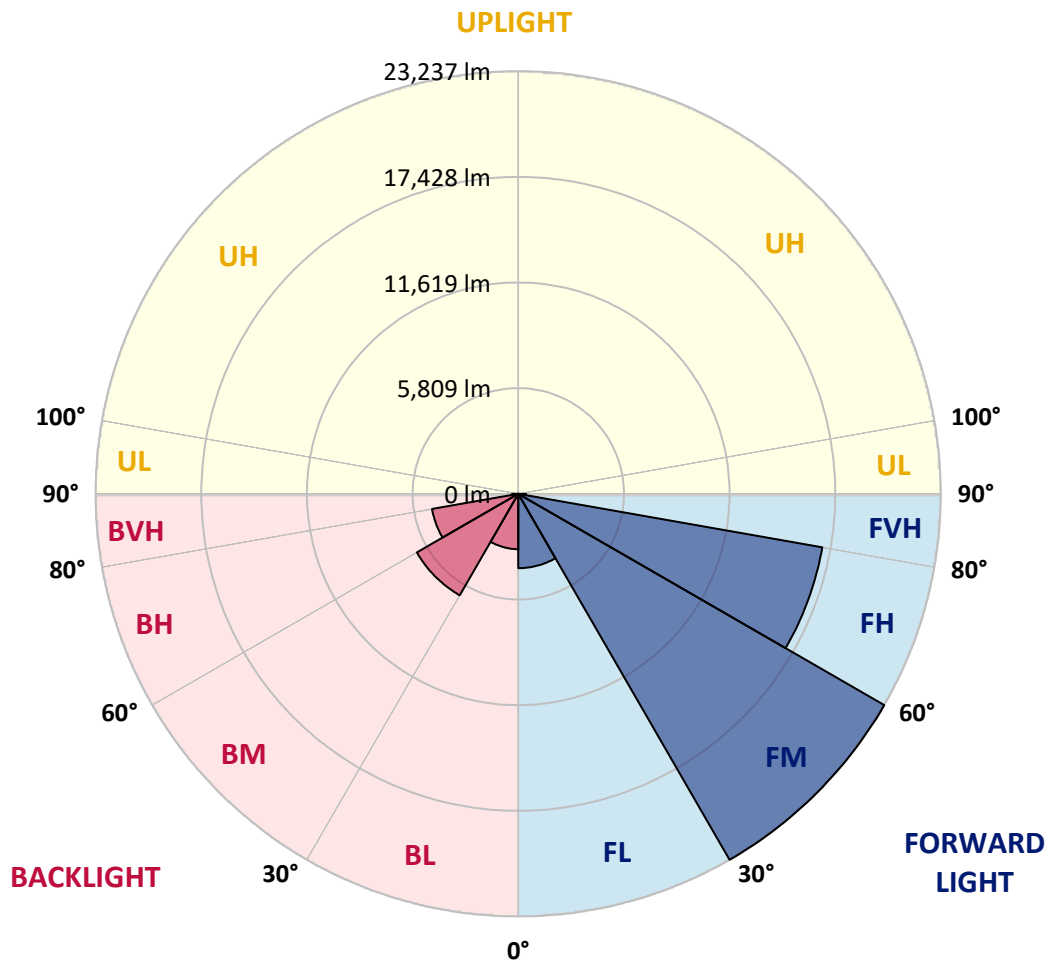


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4088.4	6.9			
FM (30°-60°)	23237.2	39.1			
FH (60°-80°)	16974.4	28.6			G5
FVH (80°-90°)	434.7	0.7			G3/500
BL (0°-30°)	3044.9	5.1	B4/5000		
BM (30°-60°)	6439.4	10.8	B4/8500		
BH (60°-80°)	4810.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	341.8	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°	8704.5	8704.5	8704.5	8704.5	8704.5	8704.5	8704.5	8704.5	8704.5	8704.5
2.5°	8912.5	8962.9	8947.1	8931.4	8931.4	8909.3	8906.2	8874.7	8849.4	8808.5
5°	9025.9	9079.4	9073.1	9085.7	9126.7	9136.1	9145.6	9126.7	9076.3	9025.9
7.5°	8925.1	8984.9	9003.8	9079.4	9205.4	9318.9	9403.9	9438.6	9391.3	9318.9
10°	8584.8	8651.0	8717.1	8896.7	9120.4	9388.2	9615.0	9750.5	9741.0	9671.7
12.5°	7894.9	7964.2	8106.0	8455.7	8865.2	9337.8	9759.9	10043.4	10141.1	10090.7
15°	7343.6	7403.4	7510.5	7869.7	8402.1	9120.4	9813.5	10364.8	10613.7	10585.3
17.5°	7327.8	7353.0	7419.2	7589.3	7998.8	8780.1	9756.8	10679.8	11155.5	11152.4
20°	7605.0	7614.5	7652.3	7687.0	7920.1	8521.8	9611.8	10941.3	11763.6	11763.6
22.5°	7989.4	7983.1	8020.9	7989.4	8102.8	8499.8	9520.5	11171.3	12440.9	12491.3
25°	8565.9	8534.4	8525.0	8452.5	8474.6	8704.5	9621.3	11432.8	13244.2	13348.2
27.5°	9334.6	9284.2	9249.5	9082.6	9025.9	9126.7	9930.0	11747.8	14139.0	14318.5
30°	10336.4	10245.1	10194.7	9904.8	9700.1	9715.8	10396.3	12166.8	15074.6	15364.5
32.5°	11703.7	11561.9	11426.5	10950.8	10575.9	10453.0	10998.0	12746.5	16089.0	16552.2
35°	13234.8	13121.4	12976.5	12242.4	11665.9	11382.4	11810.8	13556.1	17276.7	18010.8
37.5°	14709.2	14611.5	14680.8	13691.6	12948.1	12535.4	12875.6	14643.0	18741.7	19825.4
40°	16234.0	16158.4	16167.8	15222.7	14356.3	13893.2	14167.3	16007.1	20420.8	21983.4
42.5°	17891.1	17834.4	17645.3	16807.3	15833.9	15402.3	15654.3	17582.3	22222.9	24440.7
45°	19746.7	19712.0	19535.6	18574.7	17459.5	16974.3	17314.6	19321.3	24034.3	26753.1
47.5°	21350.2	21378.6	21356.5	20546.9	19390.7	18678.7	19085.1	21136.0	25719.8	28926.9
50°	22122.0	22270.1	22487.5	22235.5	21517.2	20792.6	20871.3	22887.6	27326.5	30965.2
52.5°	21718.8	21999.2	22591.5	22994.7	23271.9	23120.7	22909.6	24626.6	28838.7	32805.0
55°	20216.1	20609.9	21592.8	22566.3	23980.8	25080.3	25357.5	26554.6	30313.1	34424.3
57.5°	17478.4	18117.9	19000.0	20969.0	23350.7	26028.5	28211.8	29229.3	31875.7	36153.9
60°	12784.3	13641.2	14737.5	17667.4	21145.4	25521.3	30640.7	33337.4	34096.7	38393.8
62.5°	8181.6	8710.8	9719.0	12478.7	16476.5	22922.2	31384.2	38472.6	37861.4	42067.2
65°	5601.4	5941.6	6864.7	8414.7	10651.5	17062.5	29393.2	42322.4	43840.8	47889.1
67.5°	4070.3	4328.6	5116.2	6474.1	6940.3	10097.0	22808.8	42145.9	49653.3	53887.4
70°	2967.7	3150.4	3812.0	5116.2	5339.9	5617.1	13817.6	35826.2	49527.3	55481.5
72.5°	2199.0	2325.0	2769.2	3969.5	4322.3	3793.1	6839.5	26038.0	42558.6	50182.6
75°	1590.9	1685.5	2013.1	3037.0	3459.1	2888.9	3411.9	15216.4	29686.1	35300.1
77.5°	1216.1	1288.5	1502.7	2224.2	2769.2	2167.5	2117.1	7000.2	14075.9	14145.3
80°	976.6	1023.9	1140.4	1565.7	2123.4	1622.5	1379.9	2825.9	4448.4	3764.7
82.5°	718.3	797.0	964.0	1099.5	1518.5	1118.4	841.2	1427.1	1691.8	1455.5
85°	409.6	463.1	582.8	787.6	970.3	683.6	482.0	633.2	787.6	645.8
87.5°	144.9	189.0	204.8	308.7	422.2	283.5	185.9	182.7	258.3	192.2
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°
8704.5	0°	8704.5	8704.5	8704.5	8704.5	8704.5	8704.5	8704.5	8704.5	8704.5	8704.5
8799.0	2.5°	8767.5	8751.8	8688.8	8603.7	8515.5	8430.4	8402.1	8342.2	8301.3	8279.2
9003.8	5°	8944.0	8893.6	8745.5	8556.5	8358.0	8143.8	7992.5	7853.9	7753.1	7658.6
9284.2	7.5°	9196.0	9107.8	8852.6	8521.8	8169.0	7813.0	7548.3	7346.7	7211.2	7123.0
9611.8	10°	9489.0	9353.5	8962.9	8468.3	7923.2	7412.9	7101.0	6927.7	6842.6	6795.4
9986.7	12.5°	9826.1	9633.9	9076.3	8345.4	7548.3	6965.5	6751.3	6700.9	6704.0	6707.2
10459.3	15°	10241.9	9974.1	9167.6	8077.6	7060.0	6622.1	6584.3	6666.2	6751.3	6792.2
10994.9	17.5°	10711.3	10333.3	9183.4	7636.5	6581.2	6401.6	6521.3	6697.7	6826.9	6883.6
11593.4	20°	11215.4	10698.7	9070.0	7012.8	6187.4	6222.0	6436.2	6663.1	6804.8	6877.3
12277.1	22.5°	11791.9	11089.4	8799.0	6357.5	5866.0	6026.7	6278.7	6499.3	6647.3	6719.8
13080.4	25°	12450.3	11527.3	8373.7	5806.2	5588.8	5806.2	6058.2	6240.9	6360.6	6426.8
13978.3	27.5°	13181.2	11984.1	7806.7	5368.3	5346.2	5579.3	5787.3	5929.0	5992.0	6042.5
14932.9	30°	13915.3	12399.9	7119.9	5037.5	5135.1	5355.7	5503.7	5566.7	5585.6	5595.1
15997.7	32.5°	14709.2	12759.1	6398.4	4763.4	4933.5	5138.3	5226.5	5254.9	5166.6	5106.8
17289.3	35°	15670.0	13143.4	5692.8	4546.0	4735.0	4911.5	4939.8	4914.6	4810.6	4687.8
18908.6	37.5°	16857.7	13622.3	5128.8	4391.6	4549.2	4665.7	4631.1	4624.8	4634.2	4489.3
20855.6	40°	18313.2	14246.1	4716.1	4271.9	4397.9	4423.1	4325.5	4379.0	4426.3	4205.8
22991.6	42.5°	19929.4	14999.0	4454.7	4190.0	4271.9	4212.1	4060.9	4120.7	4114.4	3824.6
25137.0	45°	21577.0	15818.1	4363.3	4130.2	4155.4	4035.7	3868.7	3884.4	3752.1	3490.6
27194.2	47.5°	23215.2	16697.1	4420.0	4079.8	4010.4	3875.0	3745.8	3676.5	3481.2	3285.9
29166.3	50°	24821.9	17620.1	4627.9	3978.9	3812.0	3733.2	3638.7	3515.8	3307.9	3140.9
31031.4	52.5°	26312.1	18549.5	4861.1	3812.0	3563.1	3610.3	3550.5	3408.7	3203.9	3033.8
32795.6	55°	27723.4	19478.9	4952.4	3582.0	3330.0	3503.2	3468.6	3207.1	2961.4	2822.8
34641.7	57.5°	29260.8	20597.3	4851.6	3289.0	3140.9	3380.4	3248.1	2958.2	2816.4	2712.5
37045.5	60°	31390.5	22352.0	4634.2	2926.7	2961.4	3197.6	2970.8	2851.1	2696.7	2580.2
40649.5	62.5°	34928.4	25625.3	4284.5	2567.6	2750.3	2926.7	2838.5	2718.8	2561.3	2447.9
46811.7	65°	40158.0	30174.4	3626.1	2287.2	2514.0	2662.1	2696.7	2577.0	2413.2	2293.5
52211.4	67.5°	44568.6	33028.7	2744.0	2054.1	2271.4	2447.9	2545.5	2429.0	2255.7	2139.1
53474.7	70°	44326.0	30955.7	2095.0	1824.1	2057.2	2236.8	2362.8	2271.4	2085.6	1975.3
48572.7	72.5°	39370.4	25896.2	1694.9	1590.9	1839.8	2016.3	2167.5	2098.2	1909.1	1802.0
35583.7	75°	28923.7	18382.5	1354.7	1354.7	1568.9	1786.3	1953.2	1909.1	1735.9	1660.3
14939.2	77.5°	12192.0	7712.2	1061.7	1124.7	1304.3	1534.2	1742.2	1757.9	1606.7	1701.2
3950.6	80°	3241.8	2126.5	809.7	885.3	1023.9	1266.5	1515.3	1509.0	1345.2	1257.0
1468.1	82.5°	1235.0	838.0	576.5	623.8	740.3	970.3	1200.3	1238.1	1074.3	929.4
576.5	85°	475.7	359.1	356.0	374.9	431.6	642.7	907.3	938.8	809.7	686.8
160.7	87.5°	122.9	107.1	132.3	126.0	198.5	343.4	519.8	538.7	494.6	286.7
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°
8704.5
8304.4
7696.4
7141.9
6808.0
6713.5
6789.1
6896.2
6896.2
6738.7
6445.7
6061.4
5617.1
5125.7
4694.1
4498.8
4212.1
3821.4
3500.1
3285.9
3128.3
3037.0
2810.1
2703.0
2573.9
2447.9
2299.8
2142.3
1984.7
1802.0
1638.2
1543.7
1168.8
929.4
708.8
409.6
0.0

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