

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: P849016

Luminaire Tested: **GLAN-SB5D-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849016
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-SB5D-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 42171 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

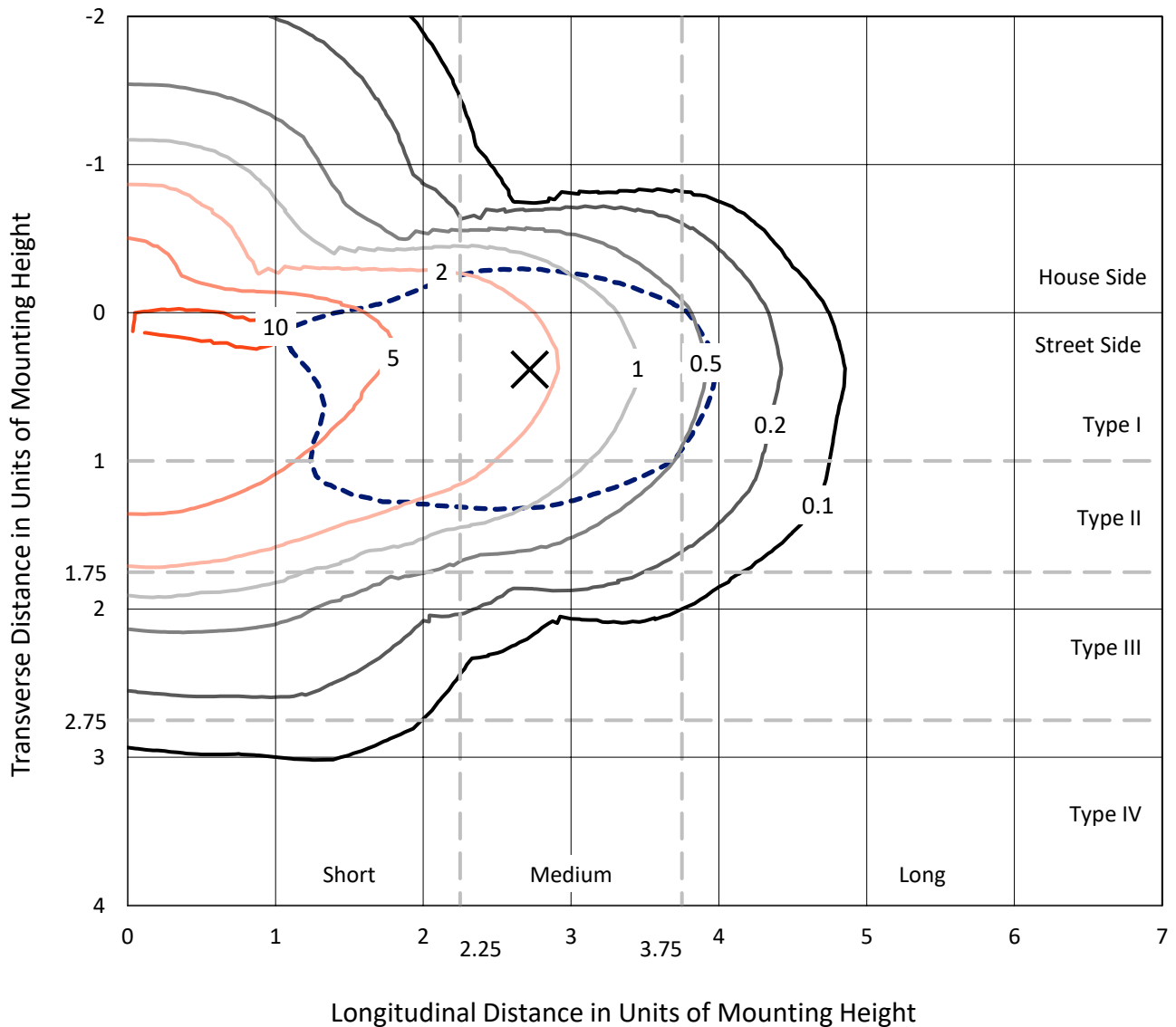
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

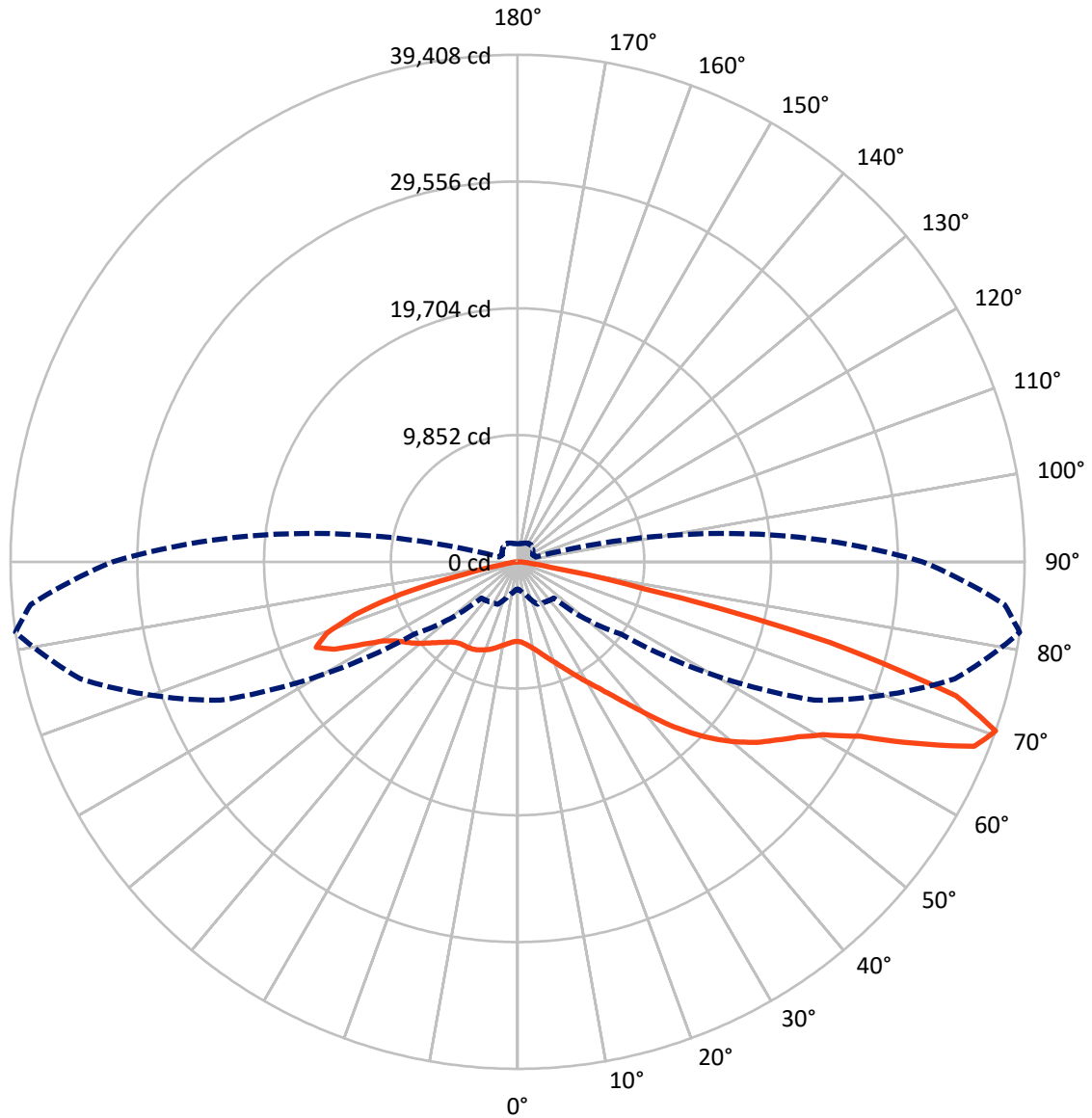
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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	10396.2	0.0	10396.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	31774.8	0.0	31774.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	42171.0	0.0	42171.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	583.8	1.4
10°-20°	1677.2	4.0
20°-30°	2805.8	6.7
30°-40°	4383.3	10.4
40°-50°	6981.0	16.6
50°-60°	9714.9	23.0
60°-70°	10162.2	24.1
70°-80°	5311.3	12.6
80°-90°	551.5	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°	42171.0	100.0
0°-180°	42171.0	100.0

Coefficient of Utilization

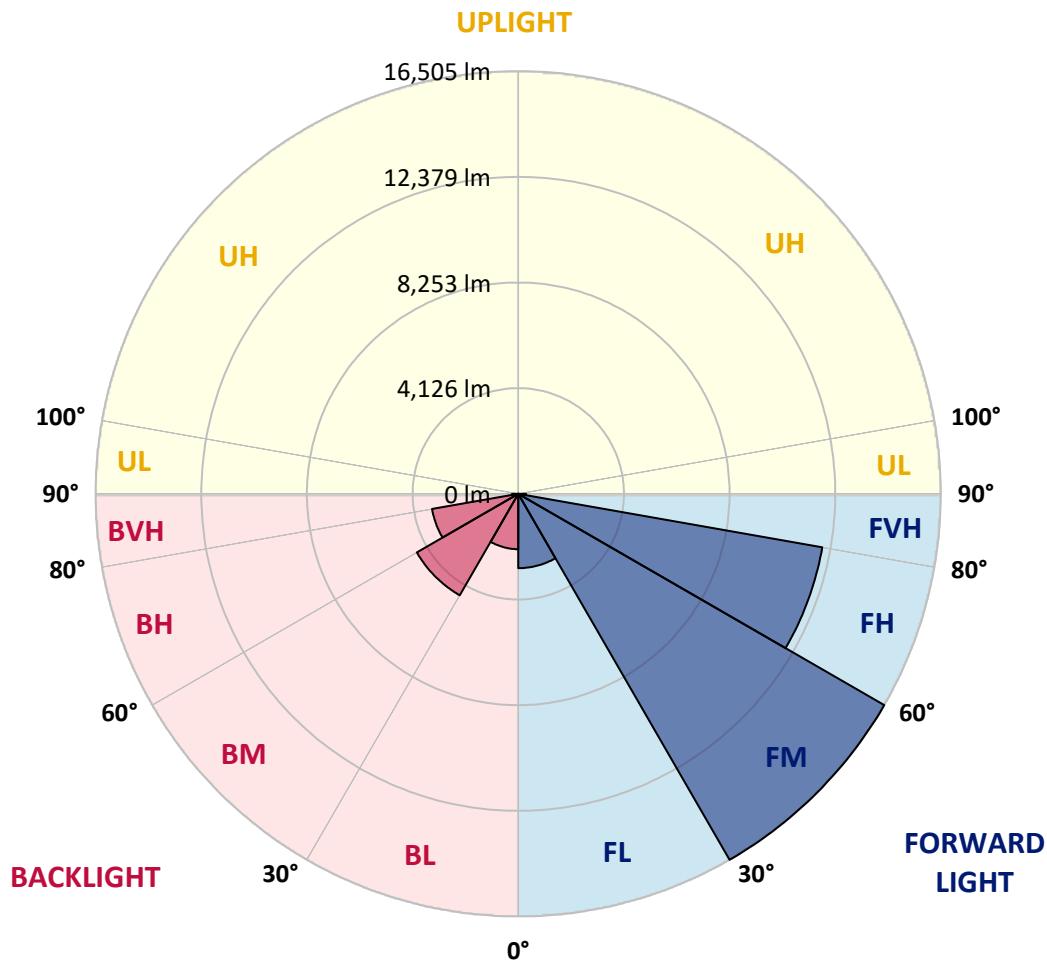


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2903.9	6.9			
FM (30°-60°)	16505.3	39.1			
FH (60°-80°)	12056.8	28.6			G5
FVH (80°-90°)	308.7	0.7			G3/500
BL (0°-30°)	2162.8	5.1	B3/2500		
BM (30°-60°)	4573.9	10.8	B3/5000		
BH (60°-80°)	3416.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	242.8	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°	6182.8	6182.8	6182.8	6182.8	6182.8	6182.8	6182.8	6182.8	6182.8	6182.8
2.5°	6330.5	6366.3	6355.1	6343.9	6343.9	6328.2	6326.0	6303.6	6285.7	6256.6
5°	6411.0	6449.1	6444.6	6453.6	6482.6	6489.4	6496.1	6482.6	6446.8	6411.0
7.5°	6339.4	6382.0	6395.4	6449.1	6538.6	6619.1	6679.6	6704.2	6670.6	6619.1
10°	6097.8	6144.8	6191.7	6319.3	6478.2	6668.4	6829.5	6925.7	6919.0	6869.8
12.5°	5607.7	5656.9	5757.6	6006.0	6296.9	6632.6	6932.4	7133.8	7203.2	7167.4
15°	5216.1	5258.6	5334.7	5589.8	5968.0	6478.2	6970.5	7362.1	7538.8	7518.7
17.5°	5204.9	5222.8	5269.8	5390.6	5681.5	6236.5	6930.2	7585.8	7923.7	7921.5
20°	5401.8	5408.5	5435.4	5460.0	5625.6	6053.0	6827.3	7771.6	8355.6	8355.6
22.5°	5674.8	5670.4	5697.2	5674.8	5755.4	6037.3	6762.4	7934.9	8836.7	8872.5
25°	6084.3	6062.0	6055.2	6003.8	6019.4	6182.8	6834.0	8120.7	9407.3	9481.2
27.5°	6630.3	6594.5	6569.9	6451.3	6411.0	6482.6	7053.3	8344.4	10042.8	10170.4
30°	7341.9	7277.0	7241.2	7035.4	6889.9	6901.1	7384.4	8642.0	10707.4	10913.3
32.5°	8313.1	8212.4	8116.2	7778.3	7512.0	7424.7	7811.8	9053.8	11428.0	11756.9
35°	9400.6	9320.1	9217.1	8695.7	8286.2	8084.9	8389.2	9628.9	12271.6	12793.0
37.5°	10447.9	10378.5	10427.7	9725.1	9197.0	8903.9	9145.5	10400.9	13312.1	14081.9
40°	11530.9	11477.2	11483.9	10812.6	10197.2	9868.3	10063.0	11369.8	14504.8	15614.7
42.5°	12708.0	12667.7	12533.4	11938.2	11246.7	10940.2	11119.2	12488.7	15784.8	17360.2
45°	14026.0	14001.4	13876.0	13193.5	12401.4	12056.8	12298.5	13723.9	17071.5	19002.6
47.5°	15165.0	15185.1	15169.4	14594.4	13773.1	13267.4	13556.1	15012.8	18268.7	20546.7
50°	15713.2	15818.4	15972.8	15793.8	15283.6	14768.9	14824.8	16257.0	19409.9	21994.5
52.5°	15426.8	15625.9	16046.6	16333.1	16530.0	16422.6	16272.6	17492.2	20484.0	23301.3
55°	14359.4	14639.1	15337.3	16028.7	17033.5	17814.4	18011.3	18861.7	21531.3	24451.5
57.5°	12414.8	12869.1	13495.6	14894.2	16585.9	18488.0	20038.7	20761.5	22641.2	25680.0
60°	9080.6	9689.3	10468.0	12549.1	15019.5	18127.7	21764.0	23679.5	24218.7	27271.0
62.5°	5811.3	6187.3	6903.3	8863.6	11703.2	16281.6	22292.1	27326.9	26892.8	29880.2
65°	3978.7	4220.3	4876.0	5976.9	7565.7	12119.4	20877.8	30061.4	31140.0	34015.4
67.5°	2891.1	3074.6	3634.0	4598.5	4929.7	7171.9	16201.0	29936.1	35268.6	38276.0
70°	2107.9	2237.7	2707.6	3634.0	3792.9	3989.8	9814.6	25447.3	35179.1	39408.3
72.5°	1561.9	1651.4	1966.9	2819.5	3070.1	2694.2	4858.1	18494.7	30229.2	35644.5
75°	1130.0	1197.2	1429.9	2157.2	2457.0	2052.0	2423.4	10808.1	21086.0	25073.6
77.5°	863.8	915.2	1067.4	1579.8	1966.9	1539.5	1503.7	4972.2	9998.1	10047.3
80°	693.7	727.3	810.1	1112.1	1508.2	1152.4	980.1	2007.2	3159.6	2674.1
82.5°	510.2	566.1	684.7	781.0	1078.6	794.4	597.5	1013.7	1201.7	1033.8
85°	290.9	328.9	414.0	559.4	689.2	485.6	342.4	449.8	559.4	458.7
87.5°	102.9	134.3	145.5	219.3	299.9	201.4	132.0	129.8	183.5	136.5
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°
6182.8	0°	6182.8	6182.8	6182.8	6182.8	6182.8	6182.8	6182.8	6182.8	6182.8	6182.8
6249.9	2.5°	6227.6	6216.4	6171.6	6111.2	6048.5	5988.1	5968.0	5925.5	5896.4	5880.7
6395.4	5°	6352.9	6317.1	6211.9	6077.6	5936.6	5784.5	5677.1	5578.6	5507.0	5439.9
6594.5	7.5°	6531.9	6469.2	6288.0	6053.0	5802.4	5549.5	5361.6	5218.3	5122.1	5059.5
6827.3	10°	6740.0	6643.8	6366.3	6015.0	5627.8	5265.3	5043.8	4920.7	4860.3	4826.7
7093.5	12.5°	6979.4	6842.9	6446.8	5927.7	5361.6	4947.6	4795.4	4759.6	4761.8	4764.1
7429.2	15°	7274.8	7084.6	6511.7	5737.5	5014.7	4703.7	4676.8	4735.0	4795.4	4824.5
7809.6	17.5°	7608.2	7339.7	6522.9	5424.2	4674.6	4547.0	4632.1	4757.4	4849.1	4889.4
8234.8	20°	7966.3	7599.3	6442.4	4981.1	4394.9	4419.5	4571.6	4732.8	4833.5	4884.9
8720.4	22.5°	8375.8	7876.7	6249.9	4515.7	4166.6	4280.7	4459.8	4616.4	4721.6	4773.0
9291.0	25°	8843.4	8187.8	5947.8	4124.1	3969.7	4124.1	4303.1	4432.9	4517.9	4564.9
9928.7	27.5°	9362.6	8512.3	5545.0	3813.1	3797.4	3963.0	4110.7	4211.4	4256.1	4291.9
10606.8	30°	9884.0	8807.6	5057.2	3578.1	3647.5	3804.1	3909.3	3954.0	3967.5	3974.2
11363.1	32.5°	10447.9	9062.7	4544.8	3383.4	3504.3	3649.7	3712.4	3732.5	3669.8	3627.3
12280.6	35°	11130.4	9335.7	4043.5	3229.0	3363.3	3488.6	3508.7	3490.8	3417.0	3329.7
13430.7	37.5°	11974.0	9675.9	3643.0	3119.4	3231.3	3314.1	3289.4	3285.0	3291.7	3188.7
14813.6	40°	13007.8	10118.9	3349.9	3034.3	3123.8	3141.7	3072.4	3110.4	3144.0	2987.3
16330.8	42.5°	14155.8	10653.7	3164.1	2976.2	3034.3	2991.8	2884.4	2926.9	2922.5	2716.6
17854.7	45°	15326.1	11235.5	3099.2	2933.6	2951.5	2866.5	2747.9	2759.1	2665.1	2479.4
19315.9	47.5°	16489.7	11859.9	3139.5	2897.8	2848.6	2752.4	2660.6	2611.4	2472.7	2333.9
20716.7	50°	17630.9	12515.5	3287.2	2826.2	2707.6	2651.7	2584.6	2497.3	2349.6	2231.0
22041.5	52.5°	18689.4	13175.6	3452.8	2707.6	2530.9	2564.4	2521.9	2421.2	2275.8	2154.9
23294.6	55°	19691.9	13835.8	3517.7	2544.3	2365.3	2488.3	2463.7	2278.0	2103.4	2005.0
24605.9	57.5°	20783.9	14630.2	3446.1	2336.2	2231.0	2401.1	2307.1	2101.2	2000.5	1926.7
26313.2	60°	22296.6	15876.6	3291.7	2078.8	2103.4	2271.3	2110.2	2025.1	1915.5	1832.7
28873.2	62.5°	24809.5	18201.5	3043.3	1823.7	1953.5	2078.8	2016.2	1931.1	1819.3	1738.7
33250.2	65°	28524.1	21432.8	2575.6	1624.6	1785.7	1890.9	1915.5	1830.4	1714.1	1629.1
37085.6	67.5°	31656.9	23460.2	1949.0	1459.0	1613.4	1738.7	1808.1	1725.3	1602.2	1519.4
37982.9	70°	31484.6	21987.7	1488.1	1295.6	1461.2	1588.8	1678.3	1613.4	1481.4	1403.0
34501.0	72.5°	27964.7	18394.0	1203.9	1130.0	1306.8	1432.1	1539.5	1490.3	1356.1	1280.0
25274.9	75°	20544.4	13057.0	962.2	962.2	1114.4	1268.8	1387.4	1356.1	1233.0	1179.3
10611.2	77.5°	8659.9	5477.9	754.1	798.9	926.4	1089.8	1237.5	1248.6	1141.2	1208.4
2806.1	80°	2302.6	1510.5	575.1	628.8	727.3	899.6	1076.3	1071.9	955.5	892.8
1042.8	82.5°	877.2	595.2	409.5	443.1	525.9	689.2	852.6	879.4	763.1	660.1
409.5	85°	337.9	255.1	252.9	266.3	306.6	456.5	644.5	666.8	575.1	487.8
114.1	87.5°	87.3	76.1	94.0	89.5	141.0	243.9	369.2	382.6	351.3	203.6
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°
6182.8
5898.6
5466.7
5072.9
4835.7
4768.6
4822.3
4898.3
4898.3
4786.5
4578.4
4305.4
3989.8
3640.8
3334.2
3195.5
2991.8
2714.3
2486.1
2333.9
2222.0
2157.2
1996.0
1920.0
1828.2
1738.7
1633.5
1521.6
1409.8
1280.0
1163.6
1096.5
830.2
660.1
503.5
290.9
0.0

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