

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: P848336

Luminaire Tested: **GLAN-SB4D-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848336
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-SB4D-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 33458 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

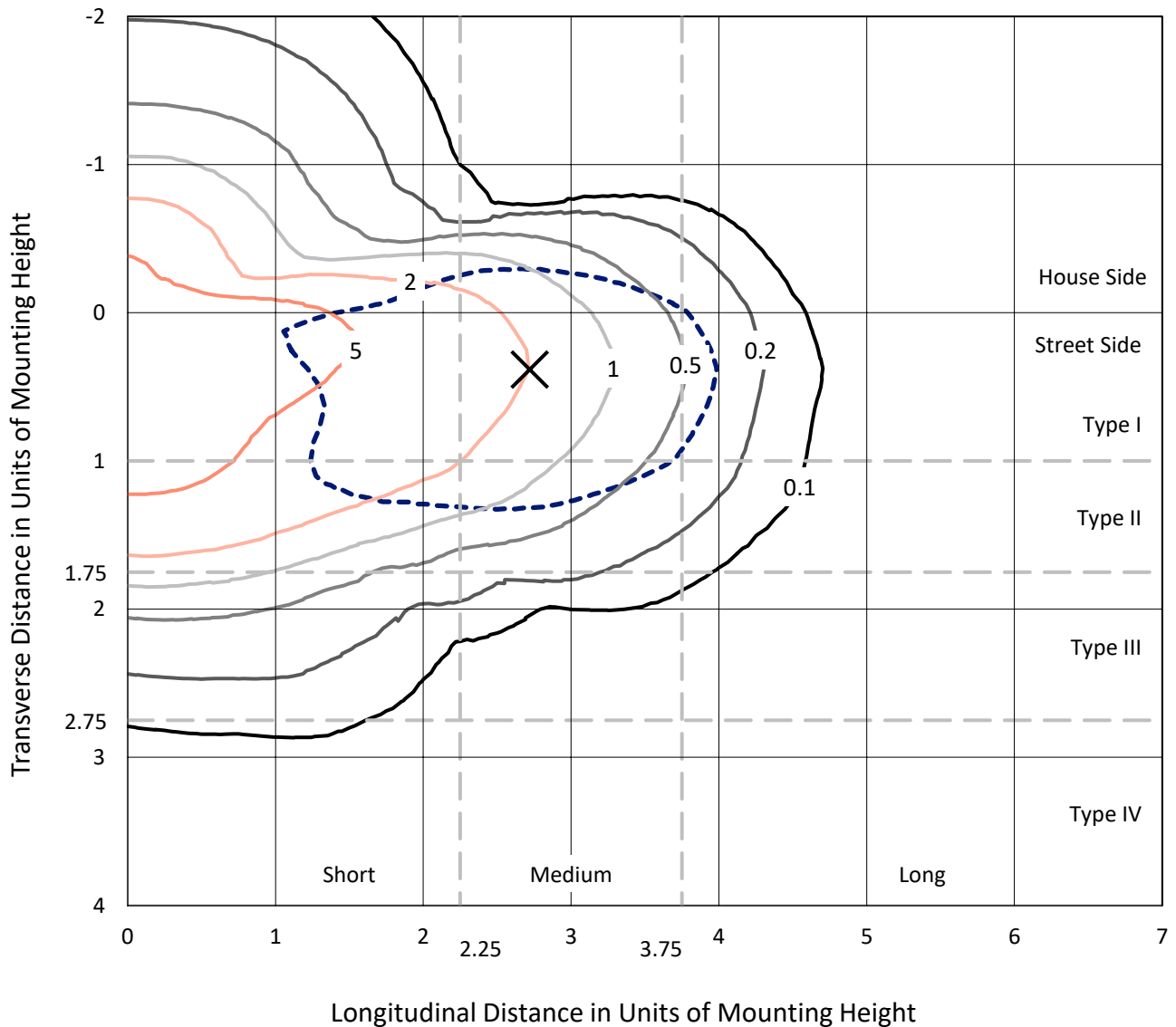
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

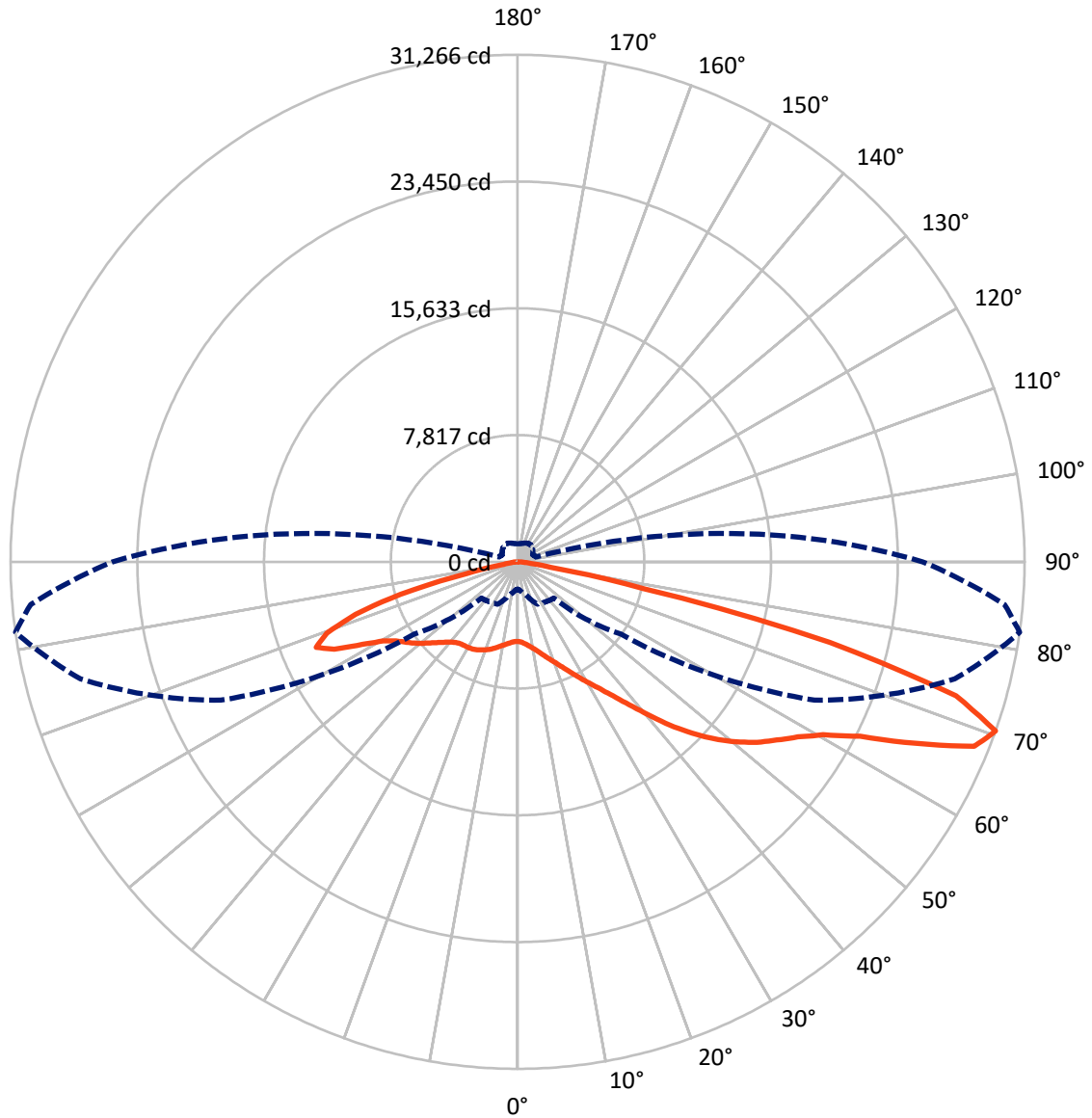
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	8248.2	0.0	8248.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	25209.8	0.0	25209.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	33458.0	0.0	33458.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.2	1.4
10°-20°	1330.7	4.0
20°-30°	2226.1	6.7
30°-40°	3477.7	10.4
40°-50°	5538.6	16.6
50°-60°	7707.7	23.0
60°-70°	8062.6	24.1
70°-80°	4213.9	12.6
80°-90°	437.6	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°	33458.0	100.0
0°-180°	33458.0	100.0

Coefficient of Utilization

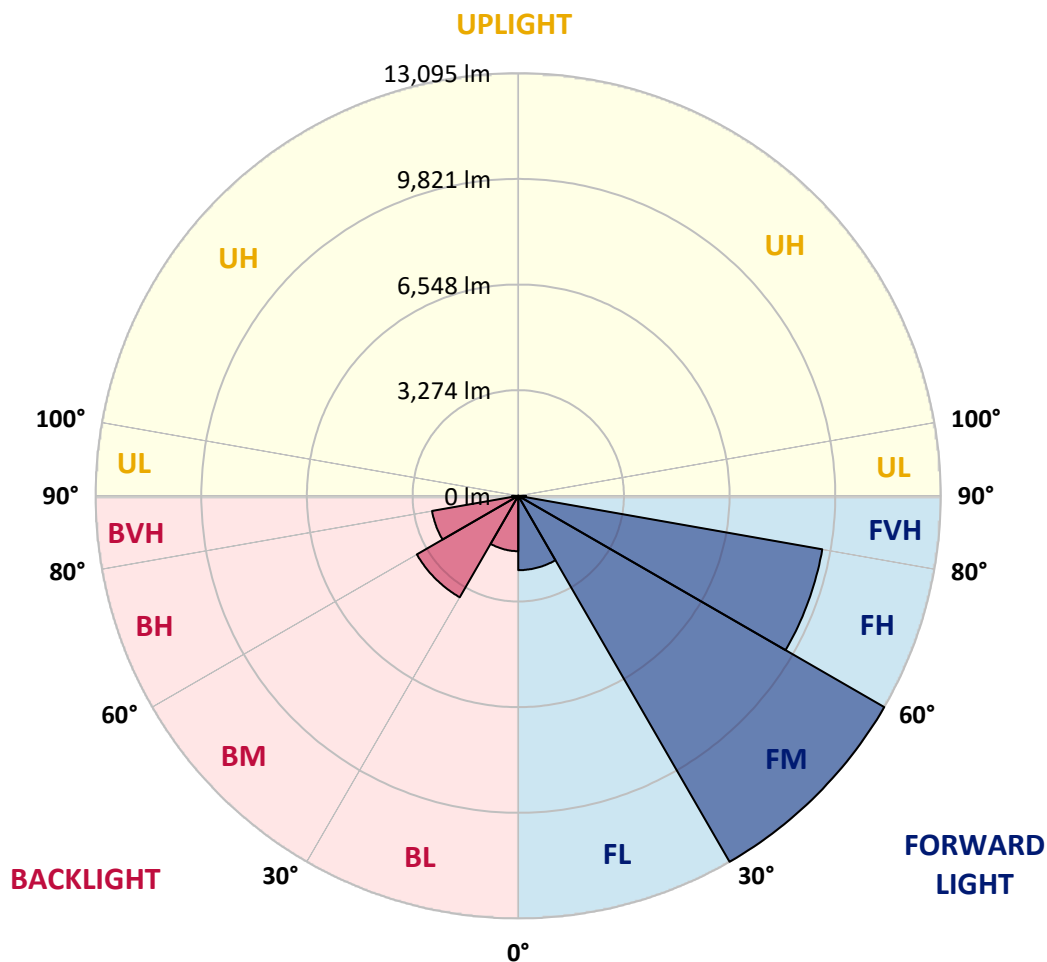


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2304.0	6.9			
FM (30°-60°)	13095.1	39.1			
FH (60°-80°)	9565.8	28.6			G4/12000
FVH (80°-90°)	245.0	0.7			G3/500
BL (0°-30°)	1715.9	5.1	B3/2500		
BM (30°-60°)	3628.9	10.8	B3/5000		
BH (60°-80°)	2710.8	8.1	B4/5000		G4/5000
BVH (80°-90°)	192.6	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°	4905.4	4905.4	4905.4	4905.4	4905.4	4905.4	4905.4	4905.4	4905.4	4905.4
2.5°	5022.5	5050.9	5042.1	5033.2	5033.2	5020.8	5019.0	5001.2	4987.0	4963.9
5°	5086.4	5116.6	5113.1	5120.2	5143.3	5148.6	5153.9	5143.3	5114.9	5086.4
7.5°	5029.6	5063.4	5074.0	5116.6	5187.6	5251.6	5299.5	5319.0	5292.4	5251.6
10°	4837.9	4875.2	4912.5	5013.7	5139.7	5290.6	5418.4	5494.8	5489.5	5450.4
12.5°	4449.1	4488.1	4568.0	4765.1	4995.9	5262.2	5500.1	5659.9	5714.9	5686.5
15°	4138.4	4172.1	4232.5	4434.9	4734.9	5139.7	5530.3	5841.0	5981.2	5965.3
17.5°	4129.5	4143.7	4181.0	4276.9	4507.7	4948.0	5498.3	6018.5	6286.6	6284.8
20°	4285.8	4291.1	4312.4	4331.9	4463.3	4802.4	5416.7	6165.9	6629.3	6629.3
22.5°	4502.4	4498.8	4520.1	4502.4	4566.3	4790.0	5365.2	6295.5	7011.0	7039.4
25°	4827.2	4809.5	4804.2	4763.3	4775.8	4905.4	5422.0	6442.8	7463.7	7522.3
27.5°	5260.4	5232.0	5212.5	5118.4	5086.4	5143.3	5596.0	6620.4	7967.9	8069.1
30°	5825.0	5773.5	5745.1	5581.8	5466.4	5475.3	5858.7	6856.5	8495.2	8658.5
32.5°	6595.5	6515.6	6439.3	6171.2	5959.9	5890.7	6197.8	7183.2	9066.8	9327.8
35°	7458.4	7394.4	7312.8	6899.1	6574.2	6414.4	6655.9	7639.4	9736.2	10149.8
37.5°	8289.2	8234.2	8273.2	7715.8	7296.8	7064.2	7256.0	8251.9	10561.7	11172.4
40°	9148.5	9105.9	9111.2	8578.6	8090.4	7829.4	7983.9	9020.7	11508.0	12388.6
42.5°	10082.4	10050.4	9943.9	9471.6	8923.0	8679.8	8821.8	9908.4	12523.5	13773.4
45°	11128.1	11108.5	11009.1	10467.6	9839.1	9565.7	9757.5	10888.4	13544.3	15076.5
47.5°	12031.7	12047.7	12035.3	11579.0	10927.4	10526.2	10755.2	11911.0	14494.2	16301.5
50°	12466.7	12550.1	12672.6	12530.6	12125.8	11717.5	11761.9	12898.1	15399.6	17450.2
52.5°	12239.4	12397.4	12731.2	12958.5	13114.7	13029.5	12910.5	13878.1	16251.8	18487.0
55°	11392.6	11614.5	12168.4	12717.0	13514.2	14133.8	14290.0	14964.6	17082.7	19399.5
57.5°	9849.8	10210.2	10707.3	11816.9	13159.1	14668.1	15898.5	16471.9	17963.2	20374.2
60°	7204.5	7687.4	8305.2	9956.3	11916.3	14382.3	17267.3	18787.0	19214.9	21636.5
62.5°	4610.6	4908.9	5477.0	7032.3	9285.2	12917.6	17686.3	21680.9	21336.5	23706.6
65°	3156.6	3348.4	3868.5	4742.0	6002.5	9615.4	16564.2	23850.4	24706.1	26987.5
67.5°	2293.8	2439.4	2883.2	3648.4	3911.2	5690.1	12853.7	23751.0	27981.7	30367.8
70°	1672.4	1775.4	2148.2	2883.2	3009.3	3165.5	7786.8	20189.6	27910.7	31266.1
72.5°	1239.2	1310.2	1560.6	2237.0	2435.8	2137.6	3854.3	14673.5	23983.5	28279.9
75°	896.6	949.8	1134.5	1711.5	1949.4	1628.0	1922.7	8575.1	16729.4	19893.1
77.5°	685.3	726.1	846.9	1253.4	1560.6	1221.5	1193.1	3944.9	7932.4	7971.4
80°	550.4	577.0	642.7	882.4	1196.6	914.3	777.6	1592.5	2506.8	2121.6
82.5°	404.8	449.2	543.3	619.6	855.7	630.3	474.0	804.2	953.4	820.2
85°	230.8	261.0	328.4	443.8	546.8	385.3	271.6	356.9	443.8	364.0
87.5°	81.7	106.5	115.4	174.0	237.9	159.8	104.7	103.0	145.6	108.3
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°
4905.4	0°	4905.4	4905.4	4905.4	4905.4	4905.4	4905.4	4905.4	4905.4	4905.4	4905.4
4958.6	2.5°	4940.9	4932.0	4896.5	4848.5	4798.8	4750.9	4734.9	4701.2	4678.1	4665.7
5074.0	5°	5040.3	5011.9	4928.4	4821.9	4710.1	4589.3	4504.1	4426.0	4369.2	4315.9
5232.0	7.5°	5182.3	5132.6	4988.8	4802.4	4603.5	4402.9	4253.8	4140.2	4063.8	4014.1
5416.7	10°	5347.4	5271.1	5050.9	4772.2	4465.1	4177.5	4001.7	3904.0	3856.1	3829.5
5627.9	12.5°	5537.4	5429.1	5114.9	4703.0	4253.8	3925.4	3804.6	3776.2	3778.0	3779.8
5894.2	15°	5771.7	5620.8	5166.3	4552.1	3978.6	3731.8	3710.5	3756.7	3804.6	3827.7
6196.1	17.5°	6036.3	5823.2	5175.2	4303.5	3708.8	3607.6	3675.0	3774.4	3847.2	3879.2
6533.4	20°	6320.3	6029.2	5111.3	3952.0	3486.8	3506.4	3627.1	3754.9	3834.8	3875.6
6918.6	22.5°	6645.2	6249.3	4958.6	3582.7	3305.7	3396.3	3538.3	3662.6	3746.0	3786.9
7371.4	25°	7016.3	6496.1	4718.9	3272.0	3149.5	3272.0	3414.0	3517.0	3584.5	3621.8
7877.3	27.5°	7428.2	6753.5	4399.4	3025.2	3012.8	3144.2	3261.4	3341.3	3376.8	3405.2
8415.3	30°	7841.8	6987.9	4012.3	2838.8	2893.9	3018.1	3101.6	3137.1	3147.7	3153.1
9015.4	32.5°	8289.2	7190.3	3605.8	2684.4	2780.2	2895.6	2945.3	2961.3	2911.6	2877.9
9743.3	35°	8830.7	7406.9	3208.1	2561.9	2668.4	2767.8	2783.8	2769.6	2711.0	2641.8
10655.8	37.5°	9500.0	7676.7	2890.3	2474.9	2563.6	2629.3	2609.8	2606.3	2611.6	2529.9
11753.0	40°	10320.3	8028.2	2657.7	2407.4	2478.4	2492.6	2437.6	2467.8	2494.4	2370.1
12956.7	42.5°	11231.0	8452.6	2510.4	2361.2	2407.4	2373.7	2288.5	2322.2	2318.6	2155.3
14165.7	45°	12159.5	8914.2	2458.9	2327.5	2341.7	2274.3	2180.2	2189.0	2114.5	1967.1
15325.0	47.5°	13082.7	9409.5	2490.9	2299.1	2260.1	2183.7	2110.9	2071.9	1961.8	1851.7
16436.4	50°	13988.2	9929.7	2608.0	2242.3	2148.2	2103.8	2050.6	1981.3	1864.1	1770.0
17487.4	52.5°	14827.9	10453.4	2739.4	2148.2	2007.9	2034.6	2000.8	1921.0	1805.6	1709.7
18481.7	55°	15623.3	10977.1	2790.9	2018.6	1876.6	1974.2	1954.7	1807.3	1668.9	1590.7
19522.0	57.5°	16489.7	11607.4	2734.1	1853.5	1770.0	1905.0	1830.4	1667.1	1587.2	1528.6
20876.6	60°	17689.8	12596.3	2611.6	1649.3	1668.9	1802.0	1674.2	1606.7	1519.7	1454.0
22907.7	62.5°	19683.6	14440.9	2414.5	1446.9	1549.9	1649.3	1599.6	1532.1	1443.4	1379.5
26380.3	65°	22630.7	17004.5	2043.5	1288.9	1416.7	1500.2	1519.7	1452.3	1359.9	1292.5
29423.3	67.5°	25116.2	18613.0	1546.4	1157.5	1280.0	1379.5	1434.5	1368.8	1271.2	1205.5
30135.2	70°	24979.5	17444.8	1180.6	1027.9	1159.3	1260.5	1331.5	1280.0	1175.3	1113.2
27372.7	72.5°	22186.9	14593.6	955.2	896.6	1036.8	1136.2	1221.5	1182.4	1075.9	1015.5
20052.9	75°	16299.7	10359.3	763.4	763.4	884.1	1006.6	1100.7	1075.9	978.2	935.6
8418.8	77.5°	6870.7	4346.1	598.3	633.8	735.0	864.6	981.8	990.7	905.4	958.7
2226.3	80°	1826.9	1198.4	456.3	498.9	577.0	713.7	854.0	850.4	758.1	708.4
827.3	82.5°	695.9	472.2	324.9	351.5	417.2	546.8	676.4	697.7	605.4	523.7
324.9	85°	268.1	202.4	200.6	211.3	243.2	362.2	511.3	529.1	456.3	387.0
90.5	87.5°	69.2	60.4	74.6	71.0	111.8	193.5	292.9	303.6	278.7	161.6
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°
4905.4
4679.9
4337.2
4024.8
3836.6
3783.3
3825.9
3886.3
3886.3
3797.5
3632.4
3415.8
3165.5
2888.5
2645.3
2535.2
2373.7
2153.5
1972.4
1851.7
1762.9
1711.5
1583.6
1523.3
1450.5
1379.5
1296.0
1207.3
1118.5
1015.5
923.2
869.9
658.7
523.7
399.5
230.8
0.0

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