

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: P852577

Luminaire Tested: **GLAN-SB4D-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4D-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33375 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

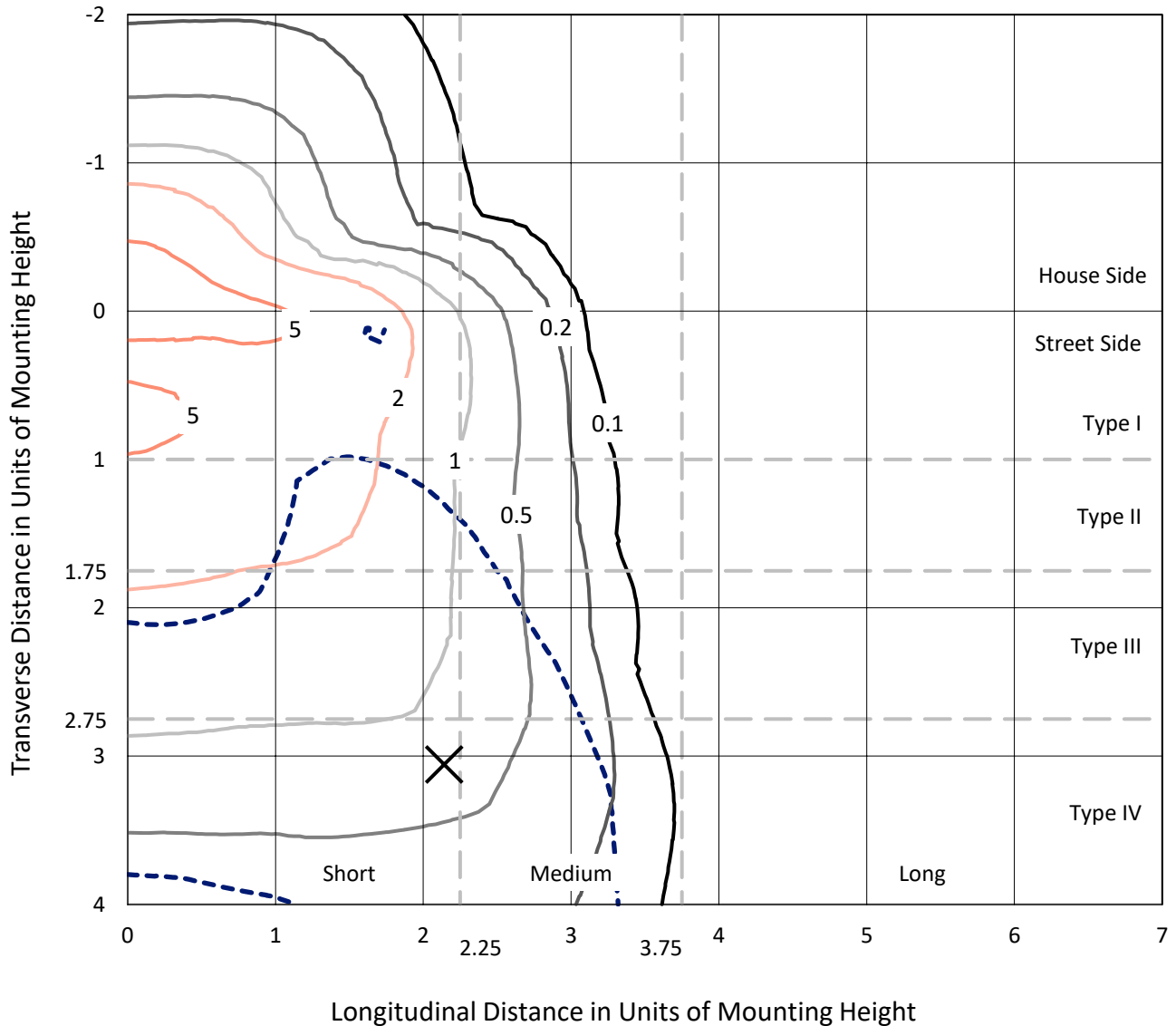
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

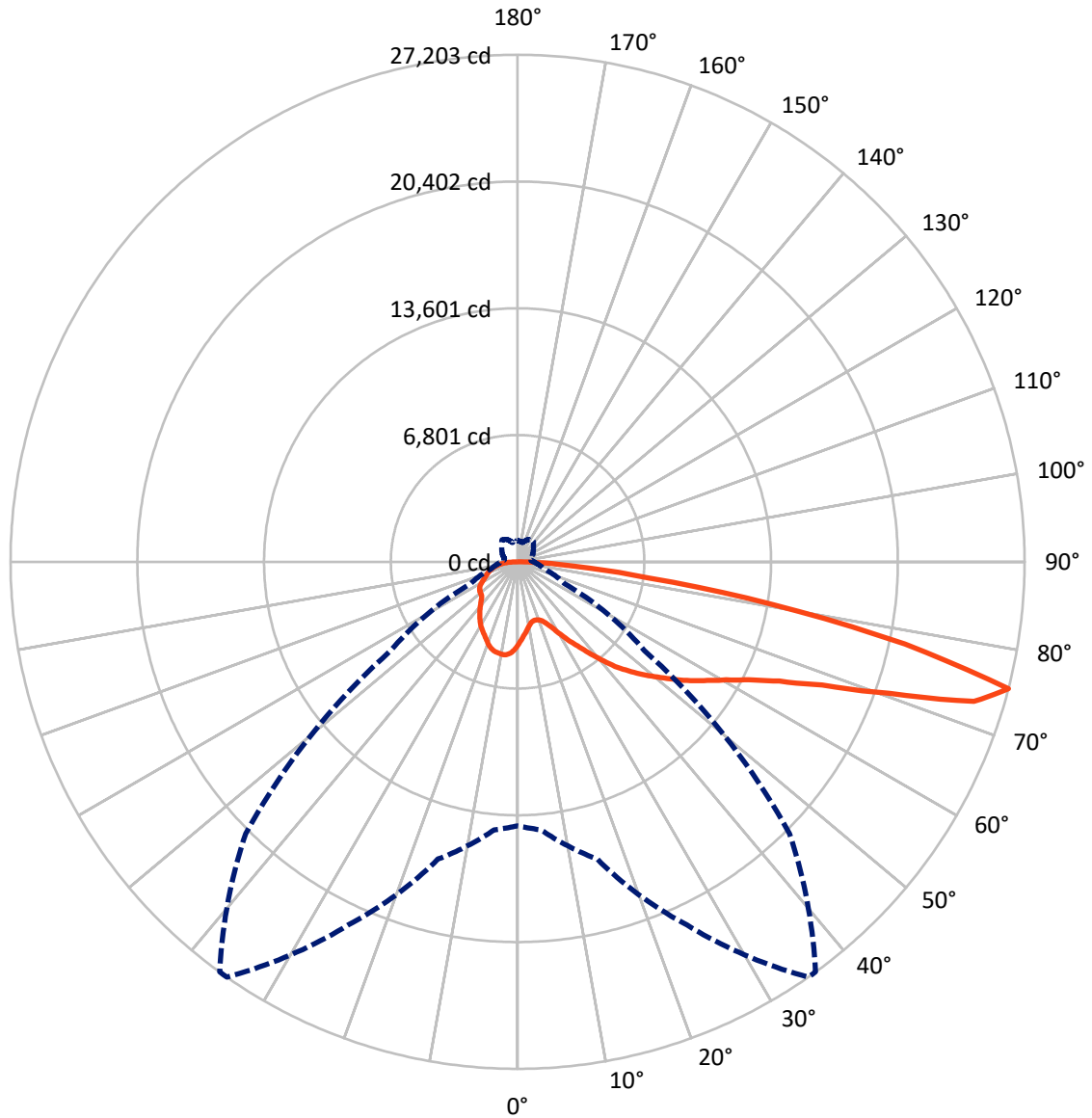
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7942.4	0.0	7942.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	25432.6	0.0	25432.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	33375.0	0.0	33375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.1	1.3
10°-20°	1214.6	3.6
20°-30°	2039.6	6.1
30°-40°	3169.8	9.5
40°-50°	4704.9	14.1
50°-60°	6495.4	19.5
60°-70°	7880.4	23.6
70°-80°	6512.5	19.5
80°-90°	936.7	2.8
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°	33375.0	100.0
0°-180°	33375.0	100.0

Coefficient of Utilization

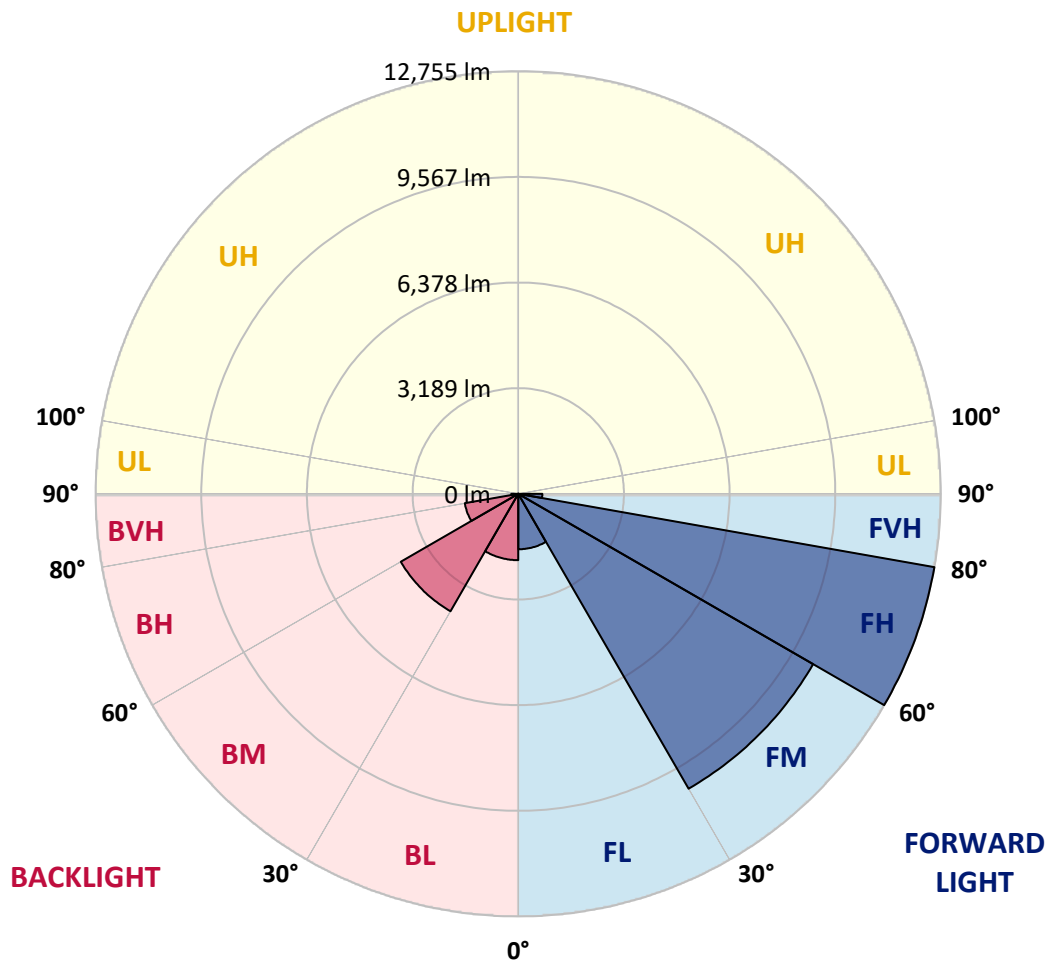


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1673.7	5.0			
FM (30°-60°)	10277.7	30.8			
FH (60°-80°)	12755.4	38.2			G5
FVH (80°-90°)	725.8	2.2			G4/750
BL (0°-30°)	2001.6	6.0	B3/2500		
BM (30°-60°)	4092.4	12.3	B3/5000		
BH (60°-80°)	1637.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	210.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4447.4	4447.4	4447.4	4447.4	4447.4	4447.4	4447.4	4447.4	4447.4	4447.4
2.5°	4101.0	4126.3	4137.1	4131.7	4158.8	4155.2	4193.0	4240.0	4304.9	4368.1
5°	3785.3	3812.4	3835.8	3857.5	3909.8	3926.0	3985.6	4075.8	4194.9	4315.7
7.5°	3491.2	3514.7	3550.7	3590.4	3678.8	3695.1	3794.3	3935.0	4101.0	4277.8
10°	3251.2	3274.7	3312.6	3357.7	3467.7	3487.6	3613.9	3801.5	4018.0	4241.8
12.5°	3148.4	3155.6	3177.3	3222.4	3318.0	3330.6	3469.5	3684.3	3936.8	4214.7
15°	3143.0	3157.4	3159.2	3182.7	3262.1	3267.5	3395.6	3608.5	3886.3	4209.3
17.5°	3197.1	3207.9	3191.7	3206.1	3272.9	3281.9	3382.9	3572.4	3870.1	4232.7
20°	3341.4	3350.5	3301.8	3281.9	3330.6	3337.8	3437.1	3595.8	3886.3	4281.5
22.5°	3648.2	3653.6	3534.5	3453.3	3456.9	3460.5	3547.1	3691.5	3949.5	4369.9
25°	4126.3	4122.7	3933.2	3776.3	3686.1	3666.2	3723.9	3846.6	4055.9	4487.1
27.5°	4685.6	4658.5	4469.1	4234.5	4037.9	4009.0	3996.4	4048.7	4207.5	4642.3
30°	5317.1	5291.8	5087.9	4781.2	4508.8	4461.9	4342.8	4315.7	4433.0	4853.4
32.5°	6009.9	5993.7	5750.1	5378.4	5014.0	4959.8	4759.6	4687.4	4779.4	5172.7
35°	6590.9	6576.4	6374.4	5991.9	5546.2	5479.5	5275.6	5194.4	5241.3	5582.3
37.5°	7115.9	7108.7	6935.5	6634.2	6174.1	6092.9	5863.8	5836.7	5827.7	6121.8
40°	7603.1	7585.0	7404.6	7245.8	6904.8	6830.8	6628.8	6605.3	6536.8	6785.7
42.5°	8142.5	8095.6	7834.0	7760.0	7668.0	7606.7	7485.8	7489.4	7337.8	7534.5
45°	8582.8	8555.7	8286.9	8243.6	8342.8	8317.5	8422.2	8449.2	8155.2	8319.3
47.5°	9055.5	9030.2	8802.9	8772.2	9041.0	9048.2	9418.1	9427.1	8952.6	9134.9
50°	9638.2	9602.1	9376.6	9414.5	9715.8	9742.9	10419.5	10358.1	9686.9	9963.0
52.5°	10022.5	10044.2	9995.5	10056.8	10468.2	10493.4	11404.6	11247.6	10414.1	10780.3
55°	10305.8	10349.1	10500.7	10641.4	11262.0	11287.3	12333.8	12093.8	11016.7	11538.1
57.5°	10670.3	10608.9	10892.2	11166.4	12016.2	12083.0	13237.7	12909.3	11550.7	12191.2
60°	11193.5	11150.2	11370.3	11776.3	12860.6	12967.1	14193.9	13643.6	11942.2	12709.0
62.5°	12254.4	12146.1	12180.4	12539.4	13925.1	14065.8	15272.9	14284.1	12137.1	12911.1
65°	13840.3	13654.5	13481.3	13730.2	15424.4	15563.3	16490.7	14787.5	12064.9	12519.6
67.5°	15837.6	15653.6	15440.7	15675.2	17632.8	17742.9	17993.7	15070.8	11496.6	11011.3
70°	17484.9	17416.3	17670.7	18636.0	21160.1	21163.7	19920.6	14836.2	9939.5	7806.9
72.5°	17266.5	17225.1	18565.6	21549.8	25605.7	25510.1	21744.7	13060.9	6695.5	3521.9
75°	14165.1	14433.9	16510.6	21497.5	27202.5	27189.9	20627.8	8303.1	2769.5	1459.6
77.5°	7595.8	8021.6	10719.0	15871.9	21235.9	21555.2	14502.5	2904.8	1189.0	934.6
80°	2477.2	2848.9	4272.4	8081.2	13798.8	13739.3	6215.6	1140.3	813.7	662.2
82.5°	1051.9	1095.2	1908.9	3816.0	7081.6	6971.6	1979.2	654.9	571.9	452.9
85°	411.4	460.1	842.6	1764.5	3067.2	3000.4	714.5	324.8	366.3	295.9
87.5°	135.3	164.2	301.3	604.4	954.4	920.2	175.0	111.9	158.8	135.3
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°
4447.4	0°	4447.4	4447.4	4447.4	4447.4	4447.4	4447.4	4447.4	4447.4	4447.4	4447.4
4460.1	2.5°	4485.3	4514.2	4548.5	4599.0	4642.3	4678.4	4716.3	4739.7	4748.8	4775.8
4467.3	5°	4517.8	4581.0	4665.8	4748.8	4829.9	4878.7	4922.0	4943.6	4963.5	4977.9
4487.1	7.5°	4571.9	4653.1	4786.6	4894.9	4963.5	5003.1	5032.0	5024.8	5032.0	5035.6
4508.8	10°	4618.8	4732.5	4891.3	4994.1	5046.5	5048.3	5041.0	5015.8	5003.1	5005.0
4541.3	12.5°	4674.8	4801.1	4972.5	5059.1	5073.5	5033.8	5003.1	4959.8	4943.6	4936.4
4590.0	15°	4750.6	4894.9	5060.9	5093.4	5057.3	5006.8	4954.4	4884.1	4848.0	4819.1
4673.0	17.5°	4842.6	5001.3	5129.4	5106.0	5028.4	4945.4	4860.6	4754.2	4680.2	4649.5
4786.6	20°	4970.7	5113.2	5181.8	5078.9	4961.7	4835.4	4691.0	4561.1	4492.6	4461.9
4931.0	22.5°	5125.8	5263.0	5232.3	5032.0	4866.0	4664.0	4483.5	4387.9	4353.6	4332.0
5116.8	25°	5311.7	5428.9	5268.4	4963.5	4709.1	4436.6	4297.7	4267.0	4250.8	4234.5
5344.2	27.5°	5553.4	5616.6	5295.4	4862.4	4463.7	4194.9	4144.3	4149.7	4144.3	4117.3
5659.9	30°	5872.8	5860.2	5320.7	4698.2	4182.2	3976.5	3980.1	4003.6	4007.2	3989.2
6100.1	32.5°	6293.2	6165.1	5333.3	4485.3	3913.4	3785.3	3788.9	3814.2	3832.2	3801.5
6675.7	35°	6802.0	6520.5	5313.5	4218.3	3705.9	3603.1	3576.0	3583.2	3588.6	3559.8
7373.9	37.5°	7395.6	6919.2	5225.1	3922.4	3534.5	3424.4	3366.7	3318.0	3289.1	3262.1
8164.2	40°	8046.9	7354.1	5062.7	3633.7	3343.3	3235.0	3148.4	3056.4	2958.9	2922.9
9001.3	42.5°	8728.9	7801.5	4866.0	3357.7	3123.1	3034.7	2942.7	2809.2	2663.1	2589.1
9871.0	45°	9436.2	8259.8	4673.0	3085.2	2897.6	2859.7	2753.3	2592.7	2433.9	2340.1
10742.4	47.5°	10129.0	8692.8	4389.7	2811.0	2686.5	2728.0	2645.0	2497.1	2320.2	2172.3
11606.7	50°	10791.1	9098.8	3926.0	2533.1	2515.1	2688.3	2608.9	2396.0	2194.0	2004.5
12454.6	52.5°	11447.9	9427.1	3332.4	2280.6	2423.1	2677.5	2562.0	2327.5	2080.3	1881.8
13252.1	55°	12005.4	9596.7	2760.5	2064.0	2289.6	2585.5	2506.1	2246.3	1919.7	1708.6
13798.8	57.5°	12322.9	9459.6	2284.2	1851.1	2105.5	2433.9	2410.5	2073.1	1728.5	1566.1
13905.3	60°	12185.8	8903.9	1894.4	1665.3	1930.5	2269.7	2244.5	1901.7	1582.3	1429.0
13335.1	62.5°	11429.8	7844.8	1585.9	1502.9	1771.8	2101.9	2078.5	1770.0	1470.5	1322.5
11821.4	65°	9907.1	6381.6	1346.0	1367.6	1611.2	1899.9	1934.1	1659.9	1382.0	1237.7
9145.7	67.5°	7556.1	4622.5	1158.3	1250.3	1454.2	1701.4	1800.6	1580.5	1308.1	1170.9
5291.8	70°	4306.7	2625.2	999.5	1136.7	1315.3	1517.4	1697.8	1517.4	1228.7	1115.0
1982.9	72.5°	1632.8	1205.2	864.2	1023.0	1181.8	1362.2	1584.1	1418.1	1136.7	1051.9
1024.8	75°	871.4	734.3	727.1	889.5	1028.4	1210.6	1441.6	1320.7	1068.1	1111.4
709.1	77.5°	593.6	519.6	608.0	761.4	860.6	1042.8	1290.0	1172.8	925.6	922.0
490.8	80°	411.4	368.1	494.4	613.4	665.8	876.9	1125.8	1006.8	754.2	703.7
303.1	82.5°	247.2	240.0	369.9	458.3	470.9	676.6	932.8	844.4	617.0	537.7
180.4	85°	135.3	142.5	236.4	268.8	274.2	472.7	730.7	653.1	474.5	398.7
65.0	87.5°	37.9	48.7	86.6	106.4	131.7	245.4	434.8	387.9	238.2	166.0
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°
4447.4
4774.0
4981.5
5041.0
5008.6
4932.8
4828.1
4651.3
4458.3
4335.6
4234.5
4122.7
3998.2
3816.0
3579.6
3280.1
2939.1
2598.1
2332.9
2156.1
1988.3
1860.2
1690.6
1544.4
1407.3
1299.1
1214.3
1149.3
1100.6
1037.4
1147.5
849.8
673.0
541.3
402.3
166.0
0.0

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