

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: P853023

Luminaire Tested: **GLAN-SB8A-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853023
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-SB8A-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30783 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

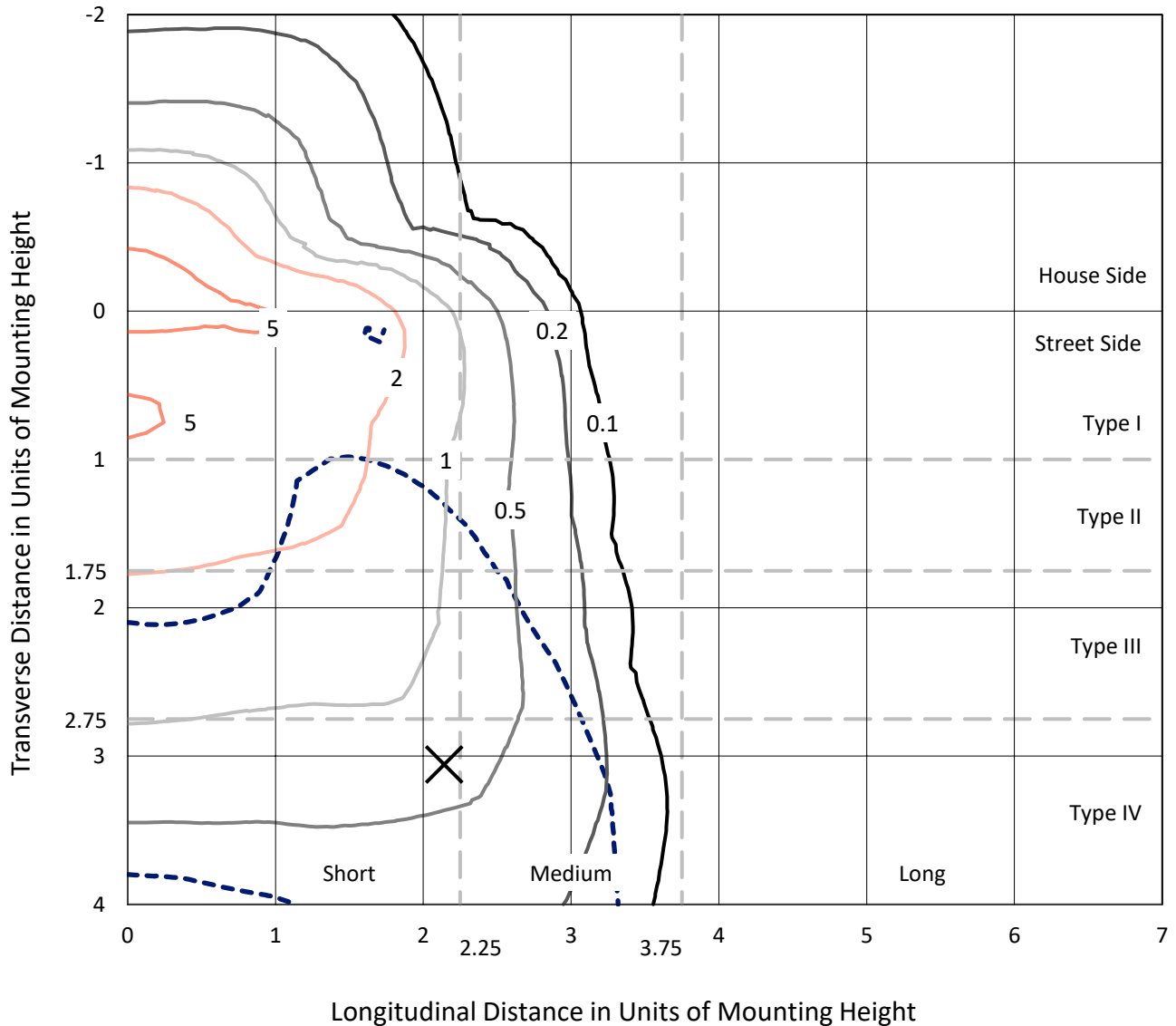
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

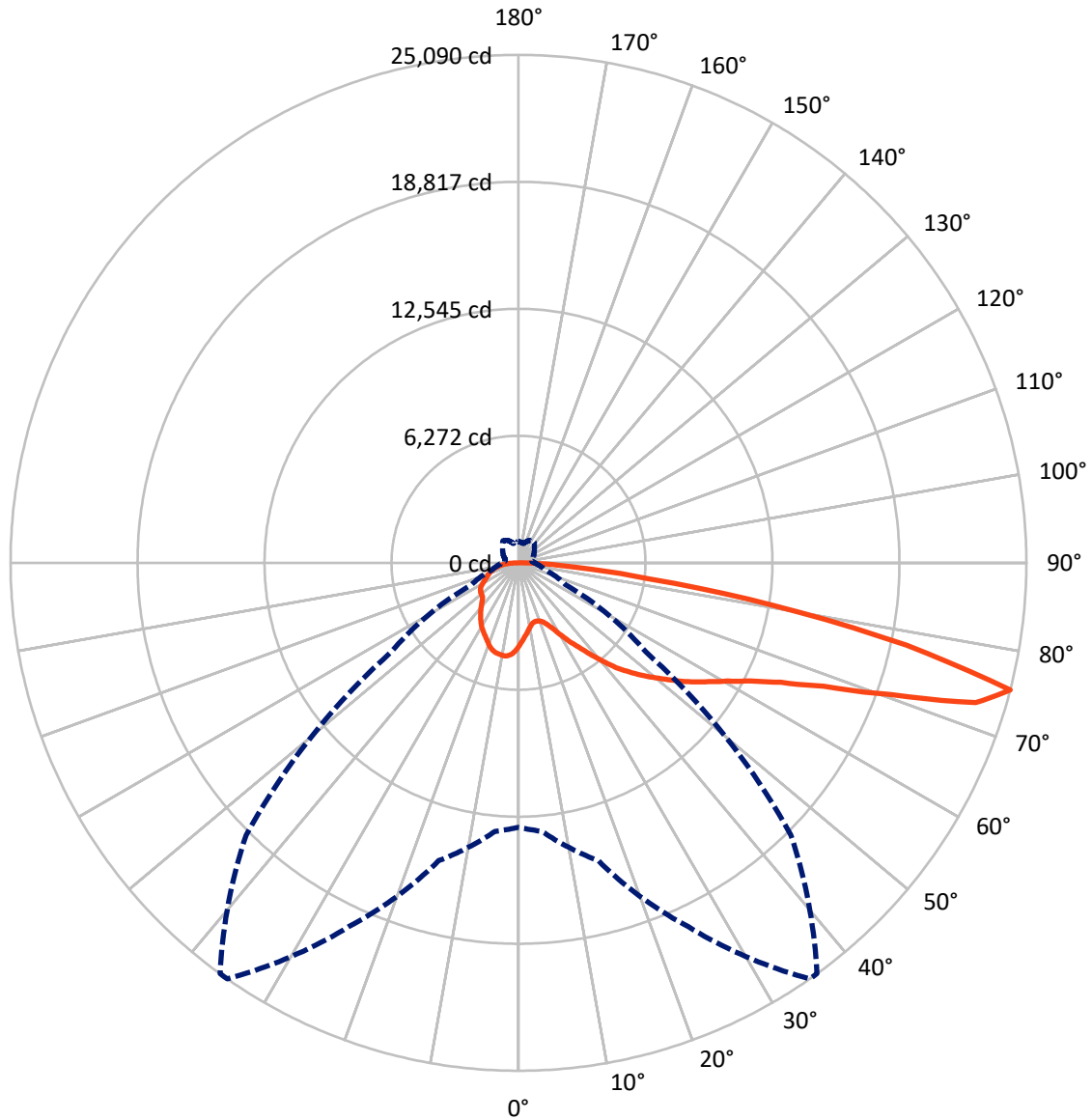
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	7325.6	0.0	7325.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	23457.4	0.0	23457.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	30783.0	0.0	30783.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.4	1.3
10°-20°	1120.3	3.6
20°-30°	1881.2	6.1
30°-40°	2923.7	9.5
40°-50°	4339.5	14.1
50°-60°	5990.9	19.5
60°-70°	7268.4	23.6
70°-80°	6006.7	19.5
80°-90°	863.9	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°	30783.0	100.0
0°-180°	30783.0	100.0

Coefficient of Utilization

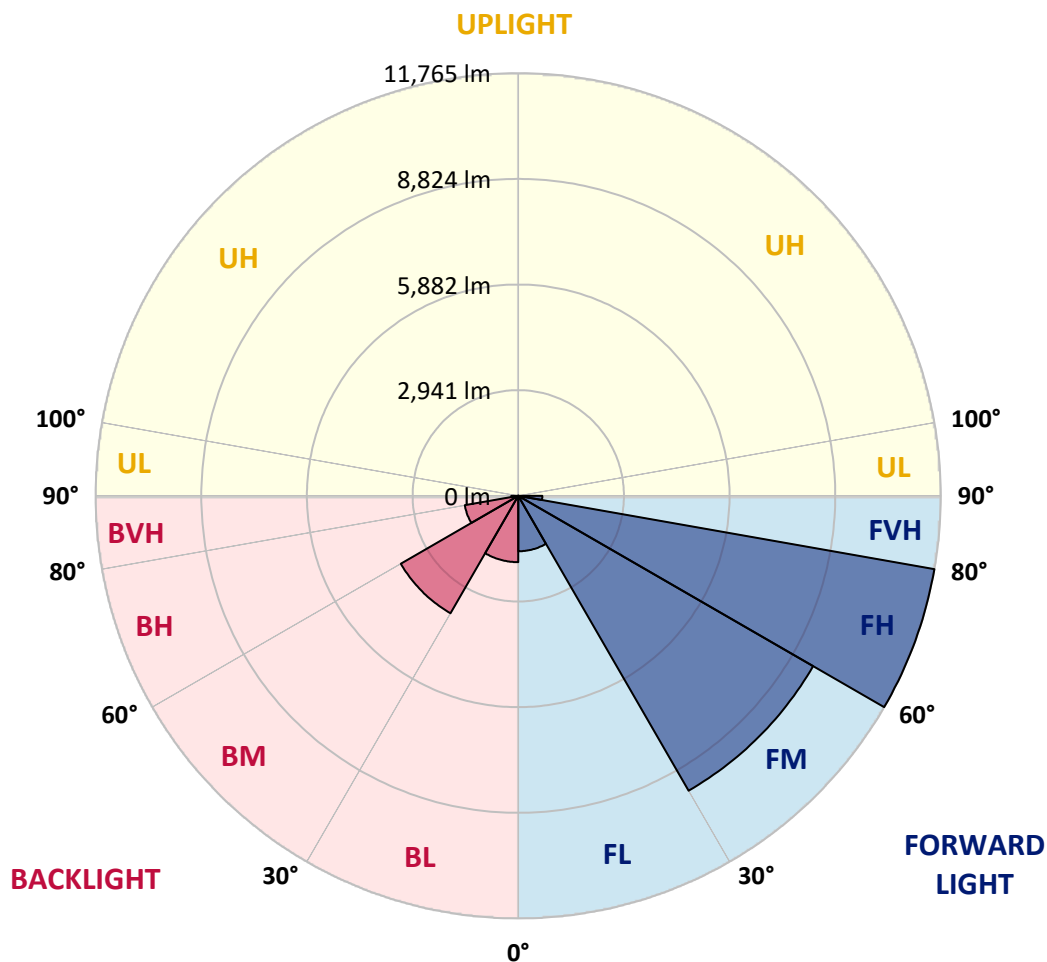


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1543.7	5.0			
FM (30°-60°)	9479.5	30.8			
FH (60°-80°)	11764.8	38.2			G4/12000
FVH (80°-90°)	669.4	2.2			G4/750
BL (0°-30°)	1846.1	6.0	B3/2500		
BM (30°-60°)	3774.6	12.3	B3/5000		
BH (60°-80°)	1510.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	194.5	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4102.0	4102.0	4102.0	4102.0	4102.0	4102.0	4102.0	4102.0	4102.0	4102.0
2.5°	3782.5	3805.8	3815.8	3810.8	3835.8	3832.5	3867.4	3910.7	3970.6	4028.8
5°	3491.3	3516.3	3537.9	3557.9	3606.1	3621.1	3676.0	3759.2	3869.1	3980.6
7.5°	3220.1	3241.7	3275.0	3311.6	3393.1	3408.1	3499.6	3629.4	3782.5	3945.6
10°	2998.7	3020.4	3055.3	3096.9	3198.4	3216.7	3333.2	3506.3	3706.0	3912.3
12.5°	2903.9	2910.5	2930.5	2972.1	3060.3	3072.0	3200.1	3398.1	3631.1	3887.4
15°	2898.9	2912.2	2913.9	2935.5	3008.7	3013.7	3131.9	3328.2	3584.5	3882.4
17.5°	2948.8	2958.8	2943.8	2957.1	3018.7	3027.0	3120.2	3294.9	3569.5	3904.0
20°	3081.9	3090.3	3045.3	3027.0	3072.0	3078.6	3170.1	3316.6	3584.5	3948.9
22.5°	3364.8	3369.8	3260.0	3185.1	3188.4	3191.8	3271.6	3404.8	3642.7	4030.5
25°	3805.8	3802.5	3627.8	3483.0	3399.8	3381.5	3434.7	3547.9	3740.9	4138.7
27.5°	4321.7	4296.7	4122.0	3905.7	3724.3	3697.7	3686.0	3734.3	3880.7	4281.8
30°	4904.1	4880.8	4692.8	4409.9	4158.6	4115.4	4005.5	3980.6	4088.7	4476.5
32.5°	5543.2	5528.2	5303.5	4960.7	4624.6	4574.7	4389.9	4323.4	4408.2	4771.0
35°	6079.0	6065.7	5879.3	5526.5	5115.5	5053.9	4865.9	4791.0	4834.3	5148.8
37.5°	6563.3	6556.6	6396.9	6119.0	5694.6	5619.7	5408.4	5383.4	5375.1	5646.3
40°	7012.6	6995.9	6829.5	6683.1	6368.6	6300.3	6114.0	6092.3	6029.1	6258.7
42.5°	7510.2	7466.9	7225.6	7157.4	7072.5	7015.9	6904.4	6907.7	6768.0	6949.3
45°	7916.2	7891.2	7643.3	7603.3	7694.9	7671.6	7768.1	7793.0	7521.8	7673.2
47.5°	8352.2	8328.9	8119.2	8090.9	8338.9	8345.5	8686.7	8695.0	8257.3	8425.4
50°	8889.7	8856.4	8648.4	8683.4	8961.3	8986.2	9610.3	9553.7	8934.6	9189.2
52.5°	9244.2	9264.1	9219.2	9275.8	9655.2	9678.5	10518.9	10374.1	9605.3	9943.1
55°	9505.4	9545.4	9685.1	9814.9	10387.4	10410.7	11375.9	11154.6	10161.1	10642.0
57.5°	9841.6	9785.0	10046.3	10299.2	11083.0	11144.6	12209.6	11906.7	10653.7	11244.4
60°	10324.2	10284.2	10487.3	10861.7	11861.8	11960.0	13091.6	12584.0	11014.8	11722.0
62.5°	11302.7	11202.8	11234.4	11565.6	12843.6	12973.4	14086.7	13174.8	11194.5	11908.4
65°	12765.4	12594.0	12434.3	12663.9	14226.5	14354.7	15210.0	13639.1	11127.9	11547.3
67.5°	14607.6	14437.9	14241.5	14457.8	16263.4	16364.9	16596.2	13900.4	10603.7	10156.1
70°	16126.9	16063.7	16298.3	17188.6	19516.7	19520.1	18373.5	13684.0	9167.6	7200.6
72.5°	15925.6	15887.3	17123.7	19876.2	23617.1	23528.9	20055.9	12046.5	6175.5	3248.4
75°	13065.0	13312.9	15228.3	19827.9	25089.9	25078.2	19025.8	7658.3	2554.4	1346.3
77.5°	7005.9	7398.7	9886.5	14639.2	19586.6	19881.2	13376.2	2679.2	1096.7	862.0
80°	2284.8	2627.6	3940.6	7453.6	12727.2	12672.2	5732.9	1051.7	750.5	610.7
82.5°	970.2	1010.1	1760.6	3519.6	6531.7	6430.1	1825.5	604.1	527.5	417.7
85°	379.4	424.3	777.1	1627.5	2829.0	2767.4	659.0	299.5	337.8	272.9
87.5°	124.8	151.4	277.9	557.5	880.3	848.7	161.4	103.2	146.4	124.8
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°
4102.0	0°	4102.0	4102.0	4102.0	4102.0	4102.0	4102.0	4102.0	4102.0	4102.0	4102.0
4113.7	2.5°	4137.0	4163.6	4195.2	4241.8	4281.8	4315.0	4350.0	4371.6	4380.0	4404.9
4120.3	5°	4166.9	4225.2	4303.4	4380.0	4454.8	4499.8	4539.7	4559.7	4578.0	4591.3
4138.7	7.5°	4216.9	4291.8	4414.9	4514.7	4578.0	4614.6	4641.2	4634.6	4641.2	4644.5
4158.6	10°	4260.1	4365.0	4511.4	4606.3	4654.5	4656.2	4649.5	4626.2	4614.6	4616.3
4188.6	12.5°	4311.7	4428.2	4586.3	4666.2	4679.5	4642.9	4614.6	4574.7	4559.7	4553.0
4233.5	15°	4381.6	4514.7	4667.8	4697.8	4664.5	4617.9	4569.7	4504.8	4471.5	4444.9
4310.1	17.5°	4466.5	4612.9	4731.1	4709.4	4637.9	4561.3	4483.1	4384.9	4316.7	4288.4
4414.9	20°	4584.6	4716.1	4779.3	4684.5	4576.3	4459.8	4326.7	4206.9	4143.6	4115.4
4548.0	22.5°	4727.8	4854.2	4825.9	4641.2	4488.1	4301.7	4135.3	4047.1	4015.5	3995.5
4719.4	25°	4899.2	5007.3	4859.2	4578.0	4343.3	4092.1	3963.9	3935.6	3920.7	3905.7
4929.1	27.5°	5122.1	5180.4	4884.2	4484.8	4117.0	3869.1	3822.5	3827.5	3822.5	3797.5
5220.3	30°	5416.7	5405.0	4907.5	4333.4	3857.4	3667.7	3671.0	3692.7	3696.0	3679.4
5626.4	32.5°	5804.4	5686.3	4919.1	4137.0	3609.5	3491.3	3494.6	3517.9	3534.6	3506.3
6157.2	35°	6273.7	6014.1	4900.8	3890.7	3418.1	3323.2	3298.3	3304.9	3309.9	3283.3
6801.2	37.5°	6821.2	6381.9	4819.3	3617.8	3260.0	3158.5	3105.2	3060.3	3033.7	3008.7
7530.1	40°	7422.0	6782.9	4669.5	3351.5	3083.6	2983.8	2903.9	2819.0	2729.1	2695.9
8302.3	42.5°	8051.0	7195.6	4488.1	3096.9	2880.6	2799.0	2714.2	2591.0	2456.2	2388.0
9104.4	45°	8703.3	7618.3	4310.1	2845.6	2672.6	2637.6	2539.4	2391.3	2244.9	2158.4
9908.1	47.5°	9342.3	8017.7	4048.8	2592.7	2477.9	2516.1	2439.6	2303.1	2140.1	2003.6
10705.3	50°	9953.1	8392.1	3621.1	2336.4	2319.8	2479.5	2406.3	2209.9	2023.6	1848.8
11487.4	52.5°	10558.8	8695.0	3073.6	2103.4	2234.9	2469.5	2363.0	2146.7	1918.7	1735.7
12222.9	55°	11073.0	8851.4	2546.1	1903.7	2111.8	2384.7	2311.5	2071.8	1770.6	1575.9
12727.2	57.5°	11365.9	8725.0	2106.8	1707.4	1942.0	2244.9	2223.3	1912.1	1594.2	1444.5
12825.3	60°	11239.4	8212.4	1747.3	1536.0	1780.6	2093.5	2070.2	1754.0	1459.4	1318.0
12299.5	62.5°	10542.2	7235.6	1462.8	1386.2	1634.2	1938.7	1917.1	1632.5	1356.3	1219.8
10903.3	65°	9137.7	5886.0	1241.4	1261.4	1486.1	1752.3	1783.9	1531.0	1274.7	1141.6
8435.4	67.5°	6969.3	4263.5	1068.4	1153.2	1341.3	1569.3	1660.8	1457.8	1206.5	1080.0
4880.8	70°	3972.2	2421.3	921.9	1048.4	1213.1	1399.5	1565.9	1399.5	1133.3	1028.4
1828.9	72.5°	1506.0	1111.6	797.1	943.6	1090.0	1256.4	1461.1	1308.0	1048.4	970.2
945.2	75°	803.8	677.3	670.6	820.4	948.5	1116.6	1329.6	1218.1	985.2	1025.1
654.0	77.5°	547.5	479.3	560.8	702.3	793.8	961.9	1189.8	1081.7	853.7	850.4
452.6	80°	379.4	339.5	456.0	565.8	614.1	808.8	1038.4	928.6	695.6	649.0
279.6	82.5°	228.0	221.3	341.1	422.7	434.3	624.0	860.3	778.8	569.1	495.9
166.4	85°	124.8	131.5	218.0	248.0	252.9	436.0	674.0	602.4	437.7	367.8
59.9	87.5°	34.9	44.9	79.9	98.2	121.5	226.3	401.1	357.8	219.7	153.1
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°
4102.0
4403.2
4594.6
4649.5
4619.6
4549.7
4453.2
4290.1
4112.0
3998.9
3905.7
3802.5
3687.7
3519.6
3301.6
3025.4
2710.8
2396.3
2151.7
1988.6
1833.9
1715.7
1559.3
1424.5
1298.0
1198.2
1119.9
1060.0
1015.1
956.9
1058.4
783.8
620.7
499.2
371.1
153.1
0.0

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