

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: P850887

Luminaire Tested: **GLAN-SB8C-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39324 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

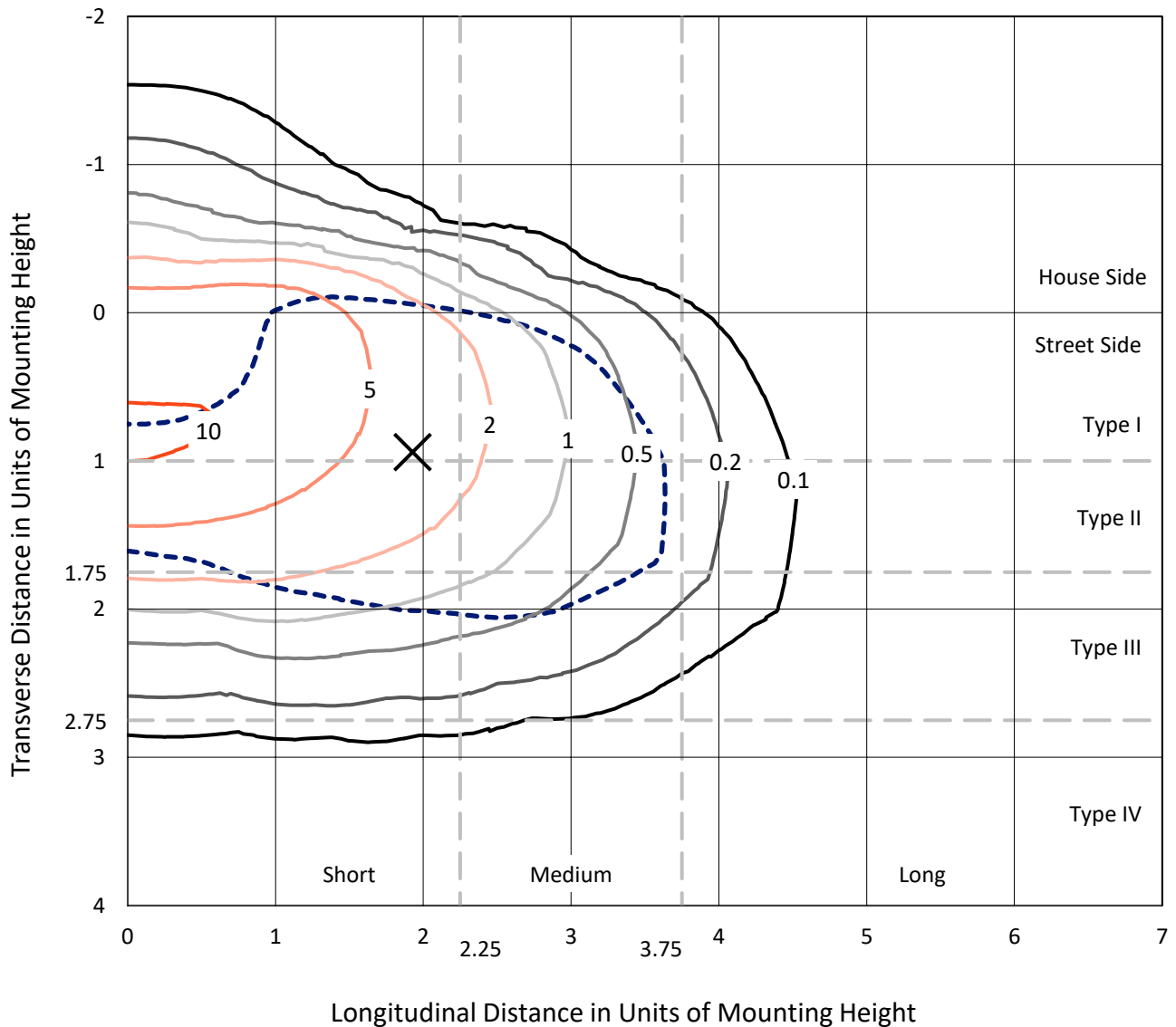
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

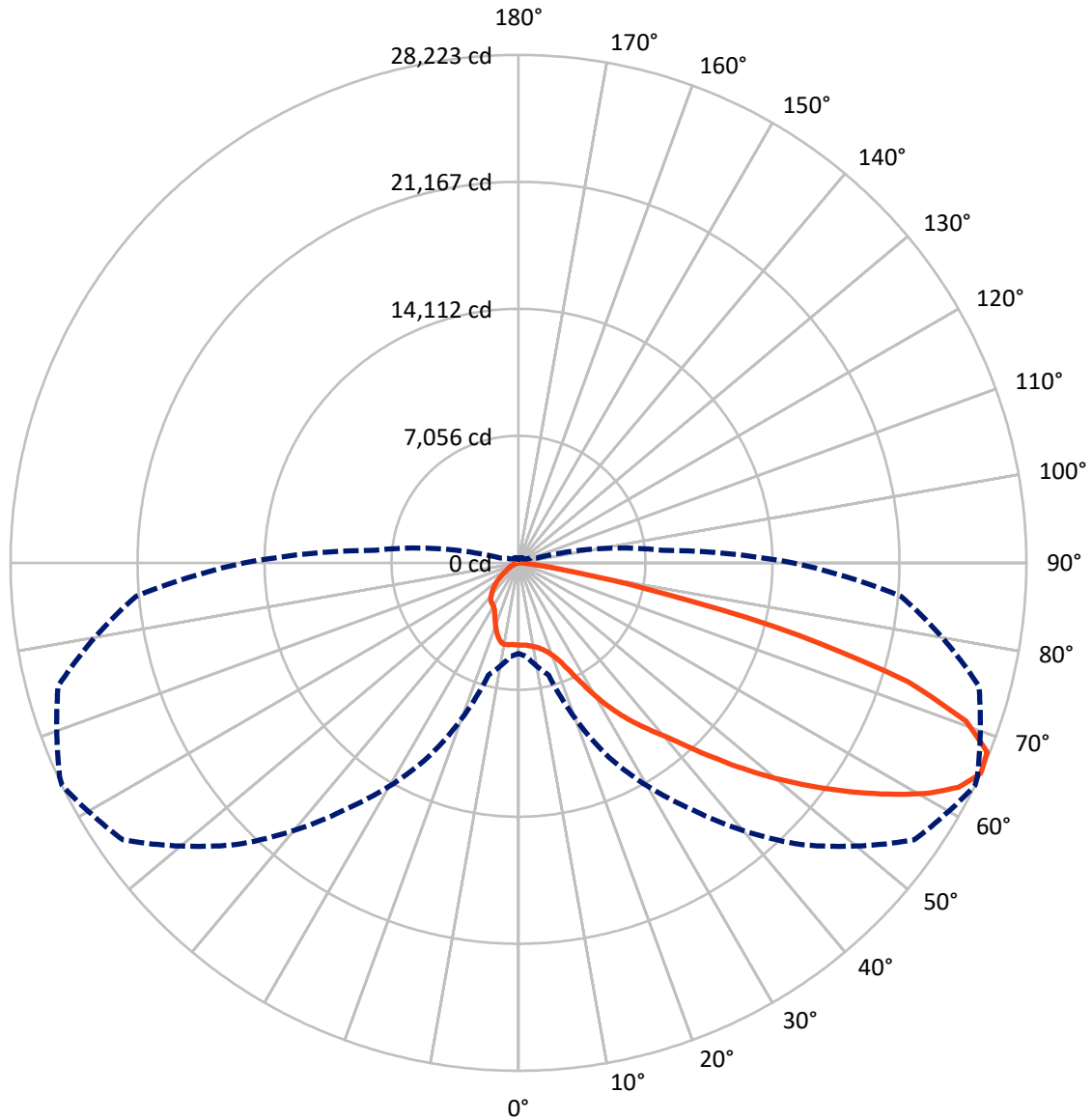
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5258.8	0.0	5258.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	34065.2	0.0	34065.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	39324.0	0.0	39324.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.0	1.1
10°-20°	1144.5	2.9
20°-30°	2168.8	5.5
30°-40°	4388.6	11.2
40°-50°	7476.0	19.0
50°-60°	10166.8	25.9
60°-70°	9547.1	24.3
70°-80°	3825.0	9.7
80°-90°	185.3	0.5
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°	39324.0	100.0
0°-180°	39324.0	100.0

Coefficient of Utilization

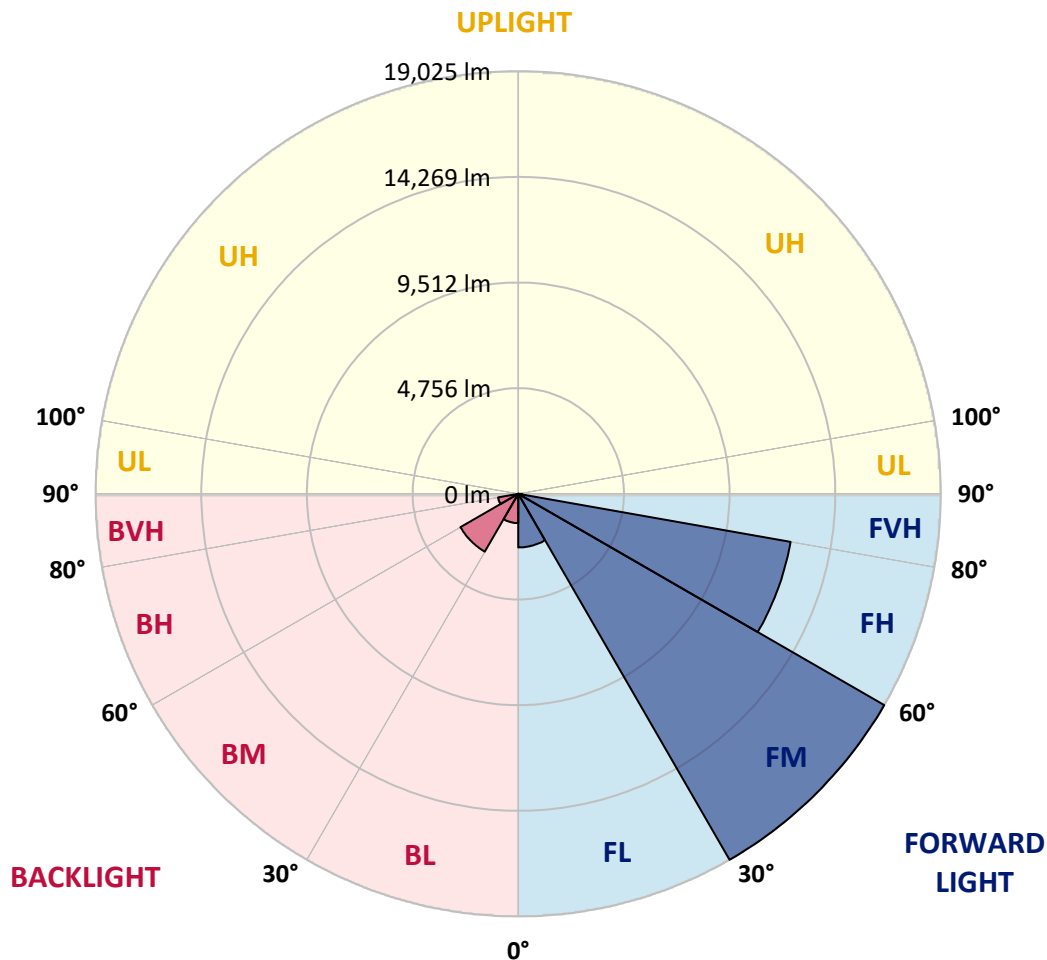


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2414.9	6.1			
FM (30°-60°)	19024.9	48.4			
FH (60°-80°)	12449.1	31.7			G5
FVH (80°-90°)	176.3	0.4			G2/225
BL (0°-30°)	1320.3	3.4	B3/2500		
BM (30°-60°)	3006.4	7.6	B3/5000		
BH (60°-80°)	923.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	9.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8
2.5°	4558.0	4589.6	4581.7	4573.8	4571.2	4576.4	4579.1	4576.4	4576.4	4576.4
5°	4471.0	4497.3	4497.3	4515.8	4542.2	4573.8	4597.5	4602.8	4608.1	4616.0
7.5°	4304.9	4326.0	4341.8	4402.4	4468.3	4552.7	4623.9	4660.8	4666.1	4695.1
10°	4191.5	4217.9	4244.3	4307.5	4402.4	4529.0	4650.2	4739.9	4753.1	4821.6
12.5°	4186.3	4212.6	4246.9	4315.4	4426.2	4560.6	4708.2	4837.4	4861.1	4961.3
15°	4241.6	4273.3	4304.9	4389.3	4507.9	4671.3	4829.5	4990.3	5014.0	5156.4
17.5°	4355.0	4397.2	4420.9	4505.2	4631.8	4813.7	5021.9	5206.5	5227.6	5393.6
20°	4579.1	4629.1	4637.1	4705.6	4829.5	5024.6	5272.4	5501.7	5528.1	5717.9
22.5°	5043.0	5114.2	5050.9	5085.2	5195.9	5391.0	5659.9	5949.9	5986.8	6203.0
25°	5860.3	5960.4	5797.0	5739.0	5786.4	5989.4	6326.9	6693.3	6735.5	6909.5
27.5°	7465.7	7336.5	7088.7	6846.2	6703.8	6819.8	7199.4	7652.9	7705.6	7874.3
30°	9229.3	9115.9	8781.1	8243.4	7905.9	7887.5	8238.1	8744.2	8804.9	8965.7
32.5°	10995.5	10887.5	10523.7	9862.0	9276.8	8986.8	9229.3	9790.8	9822.4	9925.3
35°	12732.8	12622.1	12258.3	11580.8	10861.1	10202.1	10154.6	10787.3	10797.8	10905.9
37.5°	14480.6	14388.3	14000.8	13336.5	12627.3	11717.9	11277.6	11731.0	11744.2	11849.7
40°	15727.5	15767.1	15500.8	14986.7	14377.8	13383.9	12537.7	12735.4	12656.3	12833.0
42.5°	16797.8	16876.9	16644.9	16386.6	16033.3	15158.1	14098.3	14064.1	13937.5	14032.4
45°	17723.1	17789.0	17580.8	17520.1	17512.2	16898.0	15804.0	15598.3	15421.7	15403.3
47.5°	18063.2	18189.7	18279.3	18482.3	18877.8	18619.4	17567.6	17248.6	17050.9	16905.9
50°	18192.3	18326.8	18632.6	19223.1	20158.9	20269.7	19323.3	18964.8	18722.2	18458.6
52.5°	18018.4	18258.3	18669.5	19663.3	21021.0	21593.0	21007.8	20694.1	20417.3	19987.6
55°	16992.9	17232.8	18073.7	19658.1	21450.7	22521.0	22600.1	22460.3	22149.3	21471.8
57.5°	14831.2	15187.1	16518.4	18988.5	21442.8	23319.7	24160.7	24260.9	23912.9	22942.8
60°	11836.5	12318.9	13942.8	17504.3	20781.1	23752.1	25528.9	26029.7	25660.7	24392.7
62.5°	8259.2	8818.1	10355.0	15179.2	19267.9	23441.0	26528.0	27453.3	27173.8	25689.7
65°	5037.8	5217.0	6456.0	11944.6	16695.0	22138.7	26836.4	28223.0	28130.8	26483.2
67.5°	3355.9	3506.1	3862.0	8190.6	12959.5	19536.8	26098.3	28088.6	28115.0	26354.0
70°	2022.0	2151.1	2383.1	4763.6	8398.9	15463.9	23812.7	26375.1	26528.0	24627.3
72.5°	833.0	920.0	1130.9	2159.0	4349.7	9814.5	18962.1	22644.9	23000.8	20707.3
75°	471.9	516.7	664.3	1083.5	1887.5	4573.8	11485.9	16075.5	16600.1	14272.3
77.5°	313.7	334.8	429.7	701.2	1062.4	1560.6	4908.6	8375.2	9376.9	7795.2
80°	210.9	229.3	295.3	469.2	690.7	669.6	1563.3	3102.8	3817.2	2678.4
82.5°	142.4	145.0	210.9	308.4	437.6	324.3	461.3	964.8	1212.6	775.0
85°	81.7	79.1	155.5	179.3	195.1	134.4	139.7	290.0	379.6	326.9
87.5°	10.5	15.8	60.6	47.5	26.4	29.0	29.0	50.1	73.8	79.1
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°
4573.8	0°	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8	4573.8
4579.1	2.5°	4579.1	4576.4	4568.5	4560.6	4542.2	4531.6	4536.9	4531.6	4529.0	4531.6
4613.3	5°	4613.3	4605.4	4584.3	4558.0	4521.1	4476.3	4447.3	4405.1	4365.5	4341.8
4705.6	7.5°	4705.6	4697.7	4668.7	4594.9	4476.3	4289.1	4117.7	3967.5	3854.1	3788.2
4853.2	10°	4853.2	4840.0	4795.2	4631.8	4320.7	3912.1	3572.0	3290.0	3105.4	3018.4
5027.2	12.5°	5027.2	5011.4	4932.3	4597.5	4025.5	3387.5	2918.3	2604.6	2433.2	2356.8
5227.6	15°	5232.8	5211.7	5056.2	4434.1	3595.8	2807.5	2377.8	2143.2	2032.5	1964.0
5483.3	17.5°	5488.5	5451.6	5148.5	4188.9	3129.2	2364.7	2045.7	1869.1	1771.5	1705.6
5818.1	20°	5820.7	5760.1	5222.3	3896.3	2699.5	2085.2	1821.6	1674.0	1600.2	1542.2
6292.6	22.5°	6284.7	6197.7	5311.9	3579.9	2396.3	1892.8	1655.5	1547.4	1486.8	1420.9
6954.3	25°	6859.4	6756.6	5422.6	3287.3	2188.0	1726.7	1534.3	1444.6	1373.5	1297.0
7821.6	27.5°	7663.4	7478.9	5554.5	3047.4	2008.8	1584.4	1423.5	1323.4	1241.6	1178.4
8804.9	30°	8559.7	8256.5	5670.4	2902.4	1845.3	1452.5	1278.6	1178.4	1101.9	1057.1
9688.0	32.5°	9408.6	8997.3	5746.9	2839.2	1697.7	1302.3	1120.4	1012.3	954.3	941.1
10552.7	35°	10210.0	9666.9	5739.0	2778.5	1565.9	1152.0	964.8	854.1	809.3	817.2
11483.2	37.5°	11132.6	10381.3	5683.6	2683.6	1457.8	1014.9	830.4	732.9	693.3	696.0
12614.2	40°	12205.6	11206.4	5649.4	2504.4	1339.2	888.4	719.7	640.6	611.6	601.1
13805.7	42.5°	13349.7	12005.2	5654.6	2301.4	1191.6	775.0	643.2	577.3	551.0	543.1
15131.7	45°	14499.0	12767.1	5662.5	2090.5	1036.0	688.0	587.9	532.5	516.7	506.1
16476.2	47.5°	15579.9	13415.6	5514.9	1863.8	883.1	622.1	543.1	506.1	493.0	479.8
17825.9	50°	16586.9	13847.9	5159.0	1600.2	761.9	569.4	508.8	482.4	469.2	456.1
19049.1	52.5°	17369.9	13916.4	4571.2	1328.6	677.5	529.9	487.7	464.0	448.2	435.0
20037.7	55°	17717.8	13486.7	3735.5	1075.6	611.6	495.6	466.6	442.9	424.4	411.2
20815.4	57.5°	17628.2	12582.5	2913.0	864.7	548.3	461.3	440.2	424.4	403.3	382.2
21445.4	60°	17188.0	11372.5	2195.9	719.7	490.3	424.4	411.2	398.1	369.1	337.4
21687.9	62.5°	16426.1	9851.4	1565.9	595.8	427.1	382.2	377.0	366.4	324.3	266.3
21329.4	65°	15260.9	8003.5	1054.5	495.6	366.4	334.8	337.4	319.0	263.6	197.7
20016.6	67.5°	13557.9	5852.3	674.9	406.0	305.8	279.4	282.1	271.5	224.1	168.7
17528.0	70°	11388.3	3875.2	440.2	308.4	245.2	216.2	232.0	234.6	189.8	137.1
13452.5	72.5°	8348.8	2288.2	308.4	229.3	179.3	150.3	189.8	195.1	152.9	102.8
8093.1	75°	4758.3	1086.1	232.0	166.1	110.7	105.4	147.6	147.6	105.4	68.5
3503.5	77.5°	1998.2	453.4	163.4	108.1	63.3	60.6	100.2	92.3	52.7	31.6
854.1	80°	577.3	203.0	87.0	52.7	26.4	23.7	39.5	29.0	13.2	5.3
324.3	82.5°	226.7	89.6	34.3	21.1	10.5	10.5	5.3	0.0	0.0	0.0
184.5	85°	134.4	36.9	15.8	7.9	2.6	0.0	0.0	0.0	0.0	0.0
39.5	87.5°	34.3	7.9	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
4573.8
4542.2
4347.1
3790.8
3010.5
2348.8
1966.6
1700.3
1531.6
1410.4
1289.1
1165.2
1049.2
949.0
817.2
706.5
598.4
540.4
506.1
479.8
456.1
432.3
408.6
379.6
332.2
261.0
192.4
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97.5
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