

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: P850907

Luminaire Tested: **GLAN-SB8C-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850907
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-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 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: 40781 lumens
Efficiency: N/A
Efficacy: 102.0 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

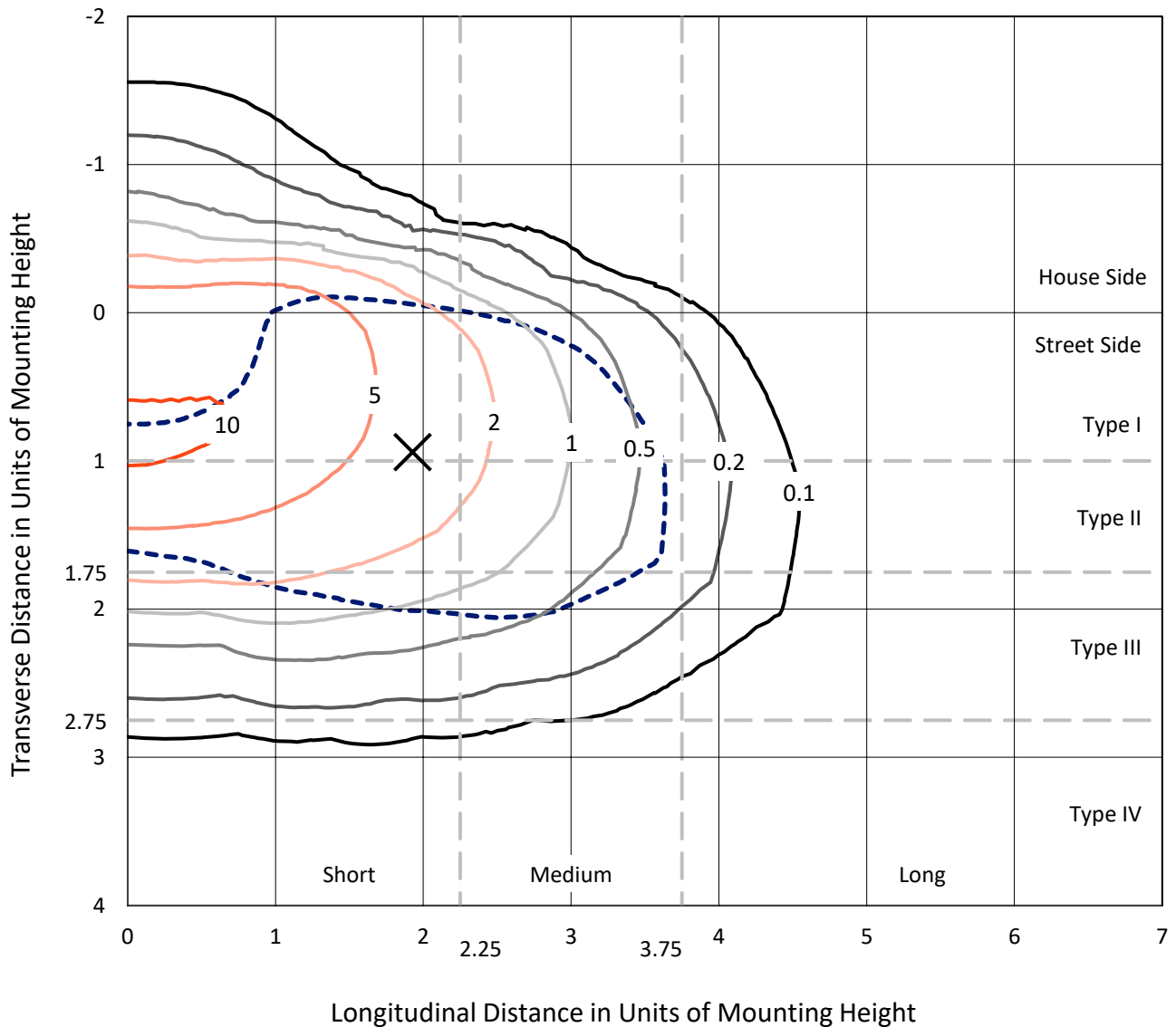
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

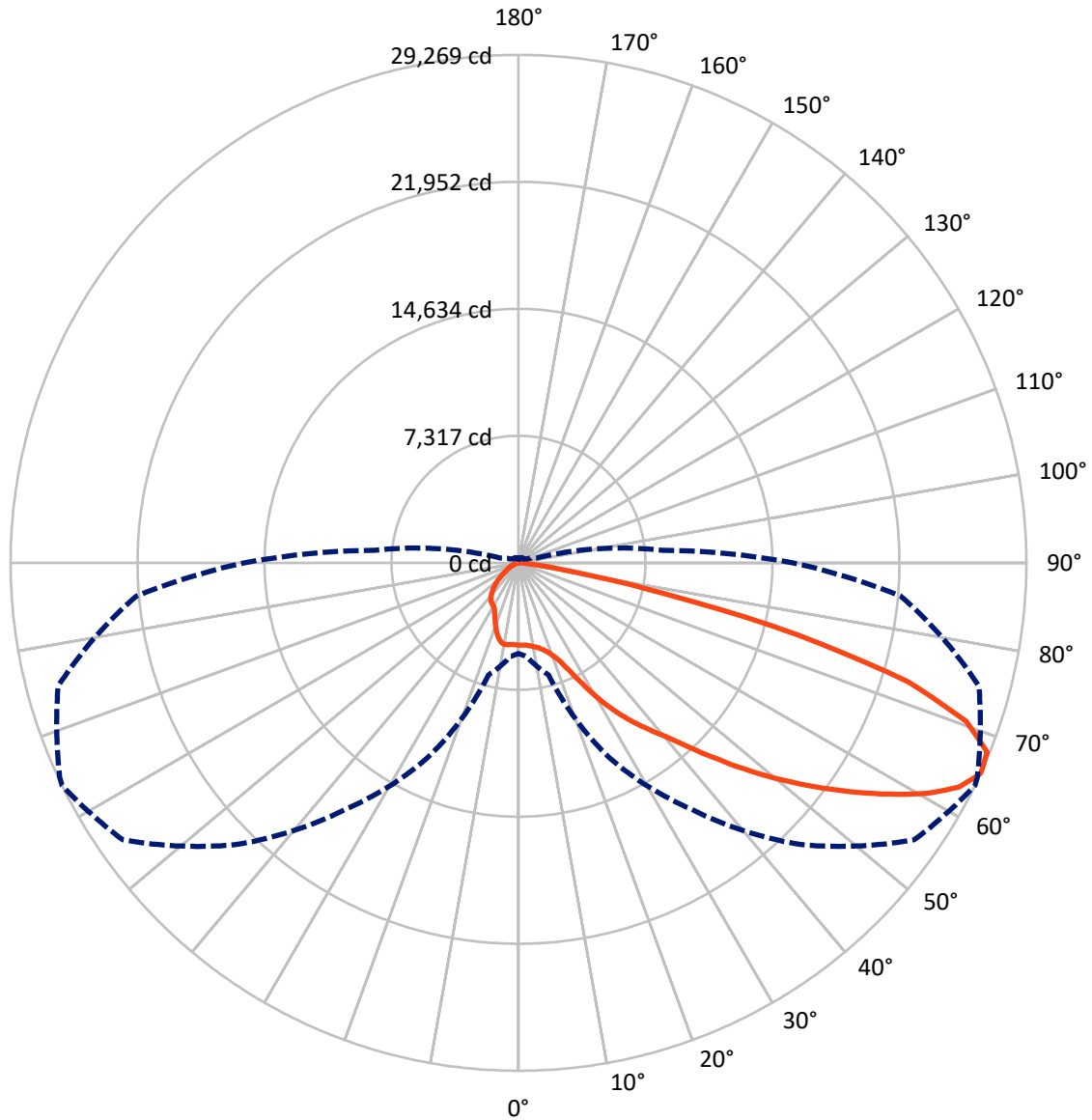
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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	5453.7	0.0	5453.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	35327.3	0.0	35327.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	40781.0	0.0	40781.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.6	1.1
10°-20°	1186.9	2.9
20°-30°	2249.1	5.5
30°-40°	4551.2	11.2
40°-50°	7753.0	19.0
50°-60°	10543.5	25.9
60°-70°	9900.8	24.3
70°-80°	3966.7	9.7
80°-90°	192.2	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°	40781.0	100.0
0°-180°	40781.0	100.0

Coefficient of Utilization

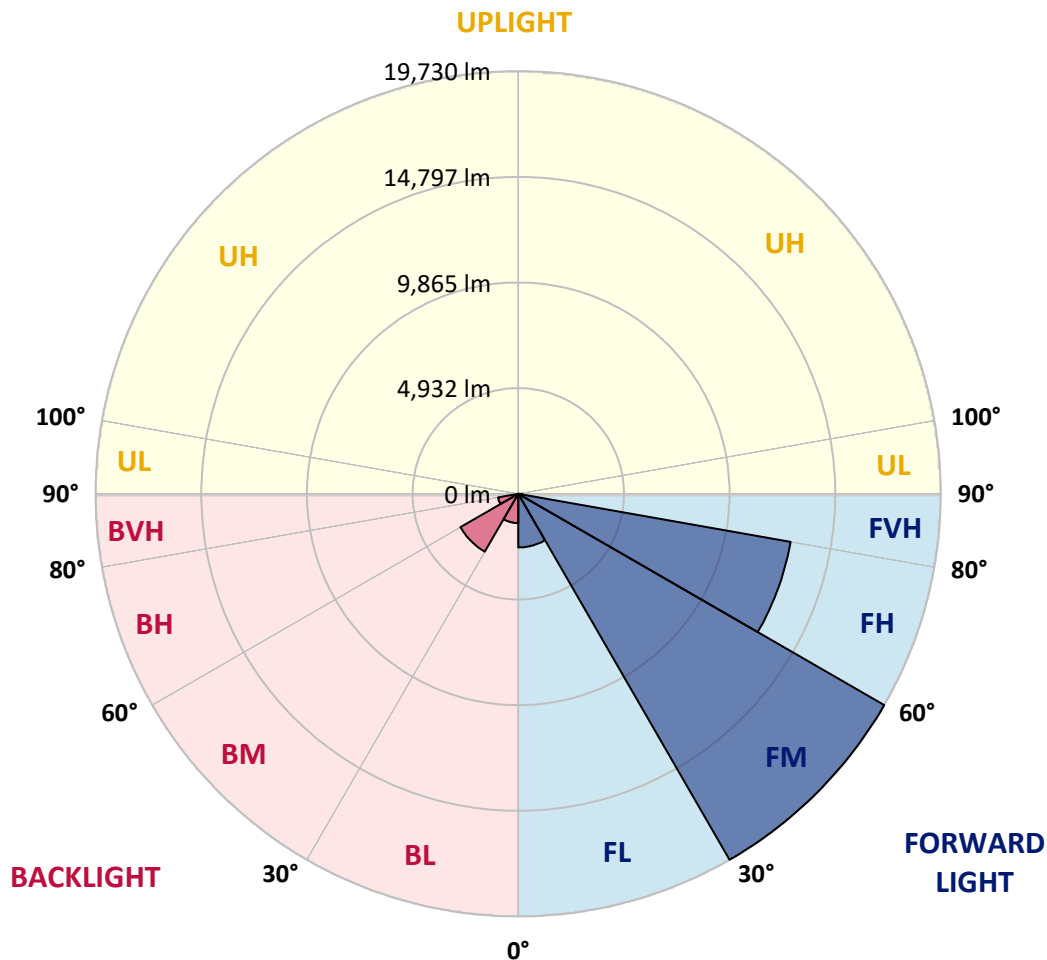


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2504.4	6.1			
FM (30°-60°)	19729.8	48.4			
FH (60°-80°)	12910.3	31.7			G5
FVH (80°-90°)	182.8	0.4			G2/225
BL (0°-30°)	1369.3	3.4	B3/2500		
BM (30°-60°)	3117.8	7.6	B3/5000		
BH (60°-80°)	957.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	9.4	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°	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3
2.5°	4726.9	4759.7	4751.5	4743.3	4740.5	4746.0	4748.7	4746.0	4746.0	4746.0
5°	4636.6	4664.0	4664.0	4683.1	4710.4	4743.3	4767.9	4773.3	4778.8	4787.0
7.5°	4464.4	4486.3	4502.7	4565.6	4633.9	4721.4	4795.2	4833.5	4838.9	4869.0
10°	4346.8	4374.2	4401.5	4467.1	4565.6	4696.8	4822.5	4915.5	4929.2	5000.2
12.5°	4341.4	4368.7	4404.3	4475.3	4590.2	4729.6	4882.7	5016.6	5041.2	5145.1
15°	4398.8	4431.6	4464.4	4551.9	4674.9	4844.4	5008.4	5175.2	5199.8	5347.4
17.5°	4516.3	4560.1	4584.7	4672.2	4803.4	4992.0	5208.0	5399.4	5421.3	5593.5
20°	4748.7	4800.7	4808.9	4879.9	5008.4	5210.7	5467.7	5705.6	5732.9	5929.8
22.5°	5229.9	5303.7	5238.1	5273.6	5388.4	5590.8	5869.6	6170.3	6208.6	6432.8
25°	6077.4	6181.3	6011.8	5951.6	6000.8	6211.3	6561.3	6941.3	6985.0	7165.5
27.5°	7742.3	7608.3	7351.4	7099.8	6952.2	7072.5	7466.2	7936.4	7991.1	8166.1
30°	9571.3	9453.7	9106.5	8548.8	8198.9	8179.7	8543.3	9068.2	9131.1	9297.9
32.5°	11402.9	11290.9	10913.6	10227.4	9620.5	9319.7	9571.3	10153.6	10186.4	10293.0
35°	13204.6	13089.7	12712.5	12009.9	11263.5	10580.1	10530.8	11187.0	11197.9	11310.0
37.5°	15017.1	14921.4	14519.6	13830.6	13095.2	12152.0	11695.5	12165.7	12179.4	12288.7
40°	16310.2	16351.2	16075.1	15542.0	14910.5	13879.8	13002.3	13207.3	13125.3	13308.4
42.5°	17420.2	17502.2	17261.6	16993.7	16627.4	15719.7	14620.7	14585.2	14453.9	14552.4
45°	18379.8	18448.1	18232.1	18169.3	18161.1	17524.1	16389.5	16176.3	15993.1	15974.0
47.5°	18732.4	18863.7	18956.6	19167.1	19577.2	19309.3	18218.5	17887.7	17682.6	17532.3
50°	18866.4	19005.8	19322.9	19935.3	20905.9	21020.7	20039.2	19667.4	19415.9	19142.5
52.5°	18686.0	18934.7	19361.2	20391.9	21799.8	22393.1	21786.2	21460.8	21173.8	20728.2
55°	17622.5	17871.3	18743.4	20386.4	22245.5	23355.4	23437.4	23292.5	22969.9	22267.3
57.5°	15380.7	15749.8	17130.4	19692.0	22237.2	24183.8	25055.9	25159.7	24798.9	23792.8
60°	12275.0	12775.3	14459.4	18152.9	21551.0	24632.1	26474.7	26994.2	26611.4	25296.4
62.5°	8565.2	9144.8	10738.6	15741.6	19981.8	24309.5	27510.9	28470.5	28180.7	26641.5
65°	5224.4	5410.3	6695.2	12387.1	17313.6	22959.0	27830.7	29268.7	29173.1	27464.4
67.5°	3480.2	3636.0	4005.1	8494.1	13439.7	20260.7	27065.3	29129.3	29156.7	27330.4
70°	2096.9	2230.8	2471.4	4940.1	8710.1	16036.8	24695.0	27352.3	27510.9	25539.8
72.5°	863.9	954.1	1172.8	2239.0	4510.9	10178.2	19664.7	23483.9	23853.0	21474.5
75°	489.4	535.8	688.9	1123.6	1957.4	4743.3	11911.4	16671.1	17215.1	14801.1
77.5°	325.3	347.2	445.6	727.2	1101.7	1618.4	5090.5	8685.5	9724.4	8084.0
80°	218.7	237.8	306.2	486.6	716.3	694.4	1621.2	3217.8	3958.6	2777.6
82.5°	147.6	150.4	218.7	319.9	453.8	336.3	478.4	1000.6	1257.6	803.8
85°	84.7	82.0	161.3	185.9	202.3	139.4	144.9	300.7	393.7	339.0
87.5°	10.9	16.4	62.9	49.2	27.3	30.1	30.1	51.9	76.5	82.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4743.3	0°	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3
4748.7	2.5°	4748.7	4746.0	4737.8	4729.6	4710.4	4699.5	4705.0	4699.5	4696.8	4699.5
4784.3	5°	4784.3	4776.1	4754.2	4726.9	4688.6	4642.1	4612.0	4568.3	4527.3	4502.7
4879.9	7.5°	4879.9	4871.7	4841.7	4765.1	4642.1	4448.0	4270.3	4114.5	3996.9	3928.6
5033.0	10°	5033.0	5019.4	4972.9	4803.4	4480.8	4057.1	3704.4	3411.9	3220.5	3130.3
5213.5	12.5°	5213.5	5197.1	5115.1	4767.9	4174.6	3513.0	3026.4	2701.1	2523.4	2444.1
5421.3	15°	5426.7	5404.8	5243.6	4598.4	3729.0	2911.6	2465.9	2222.6	2107.8	2036.7
5686.4	17.5°	5691.9	5653.6	5339.2	4344.1	3245.1	2452.3	2121.5	1938.3	1837.2	1768.8
6033.6	20°	6036.4	5973.5	5415.8	4040.7	2799.5	2162.5	1889.1	1736.0	1659.5	1599.3
6525.7	22.5°	6517.5	6427.3	5508.7	3712.6	2485.1	1962.9	1716.9	1604.8	1541.9	1473.6
7211.9	25°	7113.5	7006.9	5623.6	3409.1	2269.1	1790.7	1591.1	1498.2	1424.3	1345.1
8111.4	27.5°	7947.3	7756.0	5760.3	3160.3	2083.2	1643.1	1476.3	1372.4	1287.6	1222.0
9131.1	30°	8876.9	8562.5	5880.5	3010.0	1913.7	1506.4	1325.9	1222.0	1142.8	1096.3
10046.9	32.5°	9757.2	9330.7	5959.8	2944.4	1760.6	1350.5	1161.9	1049.8	989.7	976.0
10943.7	35°	10588.3	10025.1	5951.6	2881.5	1623.9	1194.7	1000.6	885.8	839.3	847.5
11908.7	37.5°	11545.1	10766.0	5894.2	2783.1	1511.8	1052.5	861.2	760.0	719.0	721.7
13081.5	40°	12657.8	11621.7	5858.7	2597.2	1388.8	921.3	746.3	664.3	634.3	623.3
14317.2	42.5°	13844.3	12450.0	5864.1	2386.7	1235.7	803.8	667.1	598.7	571.4	563.2
15692.4	45°	15036.3	13240.1	5872.3	2168.0	1074.4	713.5	609.7	552.2	535.8	524.9
17086.6	47.5°	16157.1	13912.6	5719.2	1932.8	915.8	645.2	563.2	524.9	511.2	497.6
18486.4	50°	17201.5	14361.0	5350.2	1659.5	790.1	590.5	527.6	500.3	486.6	473.0
19754.9	52.5°	18013.4	14432.1	4740.5	1377.9	702.6	549.5	505.8	481.2	464.8	451.1
20780.1	55°	18374.3	13986.4	3873.9	1115.4	634.3	514.0	483.9	459.3	440.2	426.5
21586.6	57.5°	18281.3	13048.7	3020.9	896.7	568.6	478.4	456.6	440.2	418.3	396.4
22240.0	60°	17824.8	11793.9	2277.3	746.3	508.5	440.2	426.5	412.8	382.7	349.9
22491.5	62.5°	17034.7	10216.4	1623.9	617.9	442.9	396.4	390.9	380.0	336.3	276.1
22119.7	65°	15826.3	8300.0	1093.5	514.0	380.0	347.2	349.9	330.8	273.4	205.0
20758.2	67.5°	14060.3	6069.2	699.9	421.0	317.1	289.8	292.5	281.6	232.4	175.0
18177.5	70°	11810.3	4018.8	456.6	319.9	254.2	224.2	240.6	243.3	196.8	142.2
13950.9	72.5°	8658.1	2373.0	319.9	237.8	185.9	155.8	196.8	202.3	158.6	106.6
8393.0	75°	4934.6	1126.4	240.6	172.2	114.8	109.4	153.1	153.1	109.4	71.1
3633.3	77.5°	2072.3	470.2	169.5	112.1	65.6	62.9	103.9	95.7	54.7	32.8
885.8	80°	598.7	210.5	90.2	54.7	27.3	24.6	41.0	30.1	13.7	5.5
336.3	82.5°	235.1	93.0	35.5	21.9	10.9	10.9	5.5	0.0	0.0	0.0
191.4	85°	139.4	38.3	16.4	8.2	2.7	0.0	0.0	0.0	0.0	0.0
41.0	87.5°	35.5	8.2	5.5	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°
4743.3
4710.4
4508.1
3931.3
3122.1
2435.9
2039.5
1763.3
1588.4
1462.6
1336.9
1208.4
1088.1
984.2
847.5
732.7
620.6
560.4
524.9
497.6
473.0
448.4
423.7
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