

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: P850917

Luminaire Tested: **GLAN-SB8C-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850917
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-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 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: 30585 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

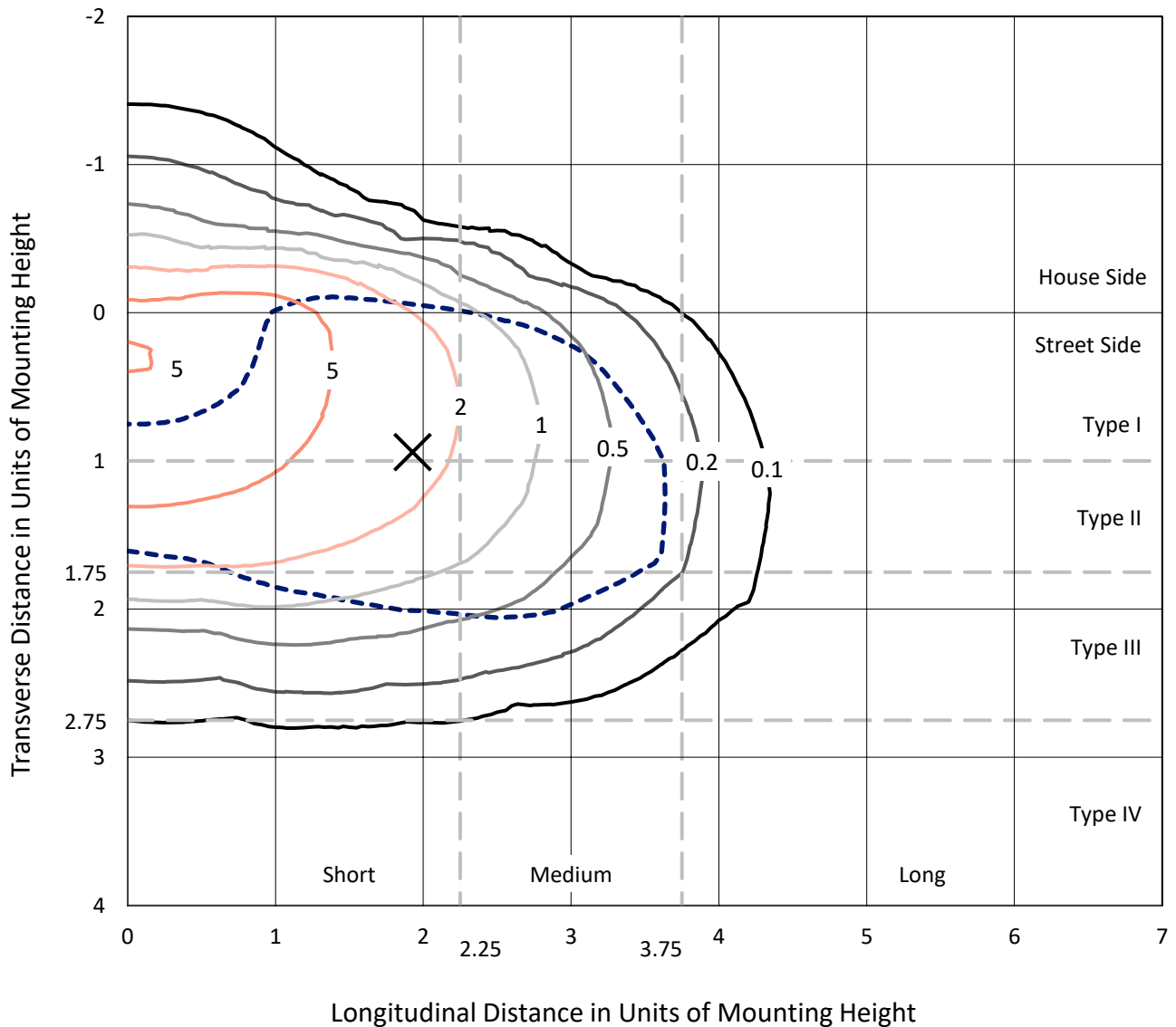
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

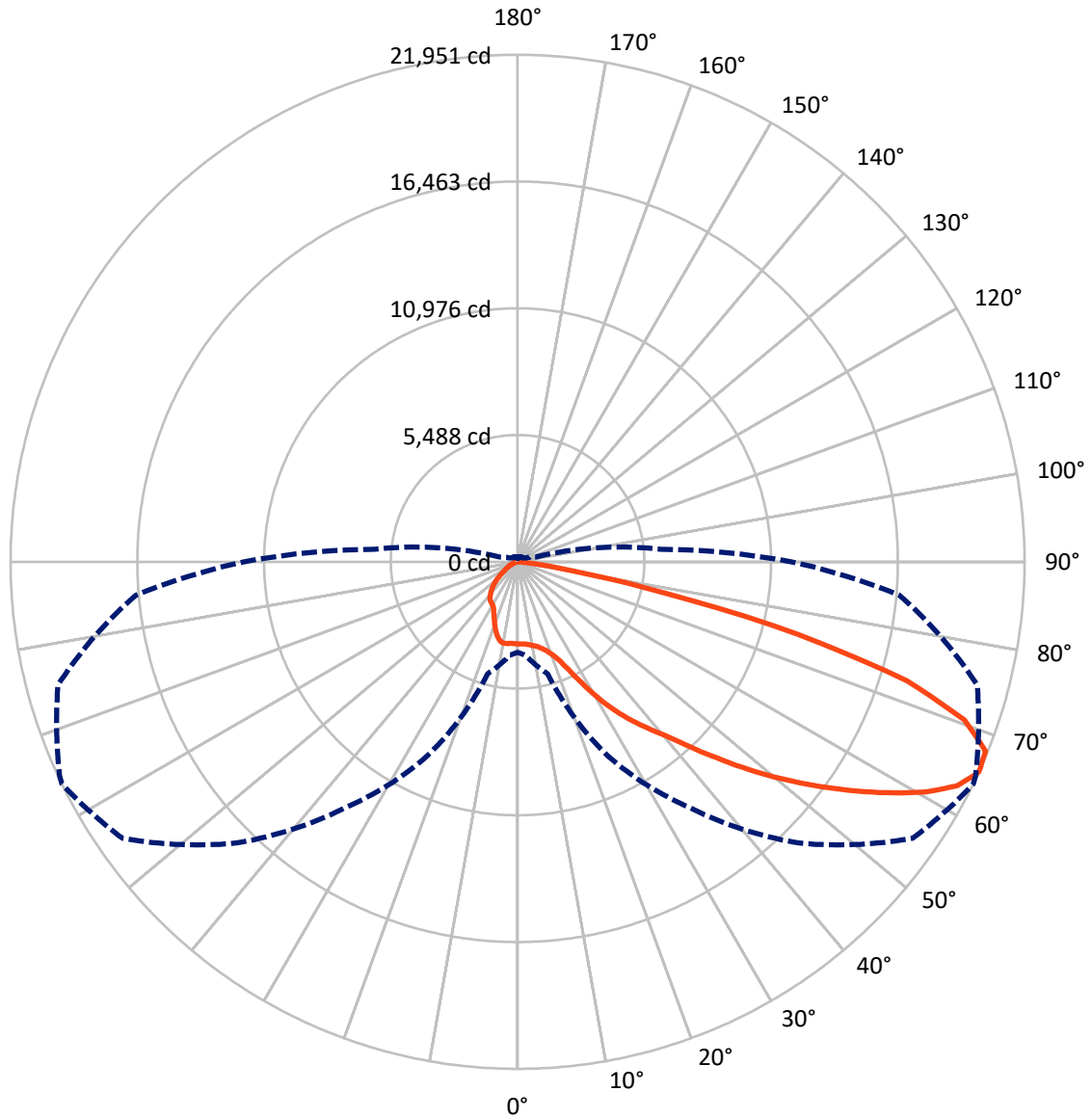
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type III - Short - N/A

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CATALOG NUMBER: GLAN-SB8C-927-U-T3-HSS

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	4090.2	0.0	4090.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	26494.9	0.0	26494.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	30585.0	0.0	30585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.2	1.1
10°-20°	890.2	2.9
20°-30°	1686.8	5.5
30°-40°	3413.3	11.2
40°-50°	5814.6	19.0
50°-60°	7907.4	25.9
60°-70°	7425.4	24.3
70°-80°	2975.0	9.7
80°-90°	144.1	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°	30585.0	100.0
0°-180°	30585.0	100.0

Coefficient of Utilization



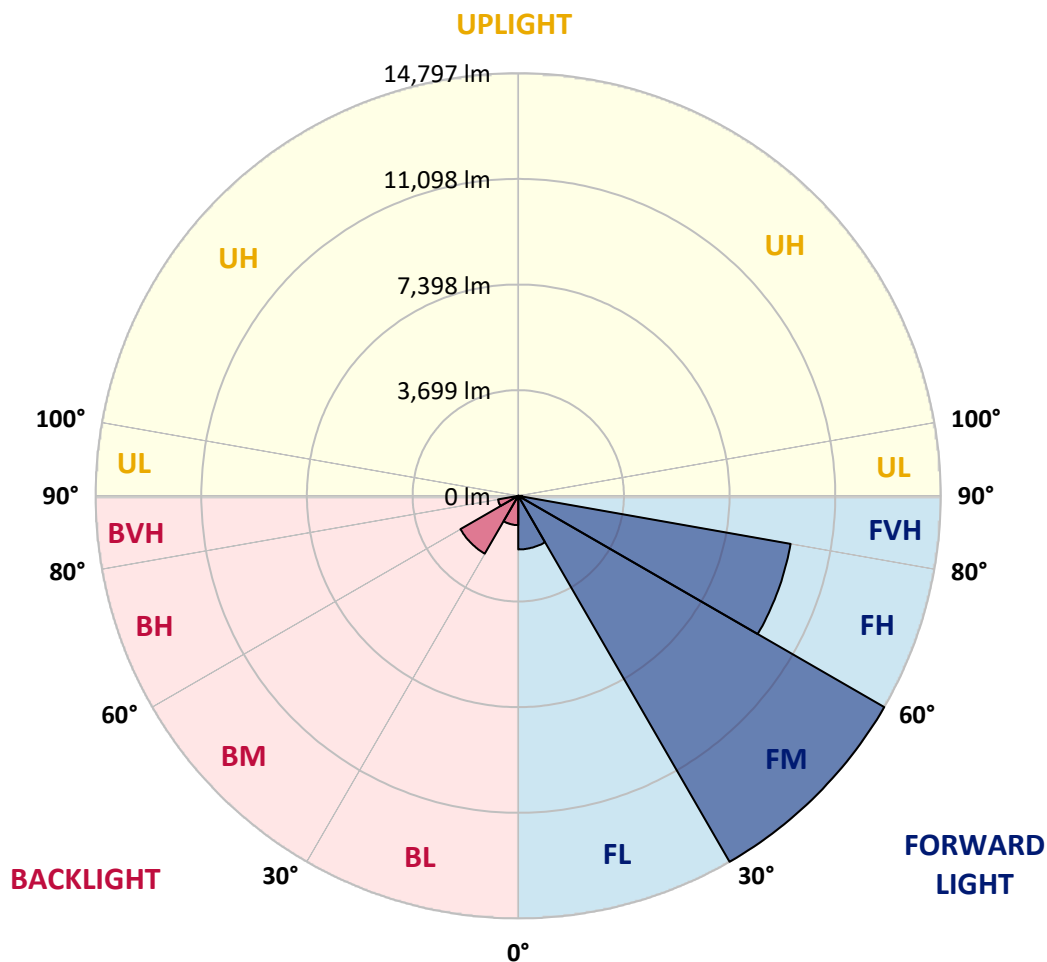
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1878.3	6.1			
FM (30°-60°)	14797.0	48.4			
FH (60°-80°)	9682.5	31.7			G4/12000
FVH (80°-90°)	137.1	0.4			G2/225
BL (0°-30°)	1026.9	3.4	B3/2500		
BM (30°-60°)	2338.3	7.6	B2/2500		
BH (60°-80°)	717.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.0	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-G4

Type III Short



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 CATALOG NUMBER: GLAN-SB8C-927-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3557.4	3557.4	3557.4	3557.4	3557.4	3557.4	3557.4	3557.4	3557.4	3557.4
2.5°	3545.1	3569.7	3563.5	3557.4	3555.3	3559.4	3561.5	3559.4	3559.4	3559.4
5°	3477.4	3497.9	3497.9	3512.2	3532.7	3557.4	3575.8	3579.9	3584.0	3590.2
7.5°	3348.2	3364.6	3376.9	3424.1	3475.3	3541.0	3596.3	3625.0	3629.1	3651.7
10°	3260.1	3280.6	3301.1	3350.3	3424.1	3522.5	3616.8	3686.5	3696.8	3750.1
12.5°	3256.0	3276.5	3303.1	3356.4	3442.5	3547.1	3661.9	3762.4	3780.8	3858.8
15°	3299.0	3323.6	3348.2	3413.8	3506.1	3633.2	3756.2	3881.3	3899.8	4010.5
17.5°	3387.2	3420.0	3438.4	3504.0	3602.5	3743.9	3905.9	4049.4	4065.8	4195.0
20°	3561.5	3600.4	3606.6	3659.9	3756.2	3908.0	4100.7	4279.1	4299.6	4447.2
22.5°	3922.3	3977.7	3928.5	3955.1	4041.2	4193.0	4402.1	4627.6	4656.3	4824.5
25°	4557.9	4635.8	4508.7	4463.6	4500.5	4658.4	4920.8	5205.8	5238.6	5374.0
27.5°	5806.6	5706.1	5513.4	5324.8	5214.0	5304.2	5599.5	5952.2	5993.2	6124.4
30°	7178.3	7090.1	6829.7	6411.4	6149.0	6134.6	6407.3	6801.0	6848.2	6973.2
32.5°	8552.0	8467.9	8185.0	7670.4	7215.2	6989.6	7178.3	7615.0	7639.6	7719.6
35°	9903.2	9817.1	9534.1	9007.2	8447.4	7934.8	7897.9	8390.0	8398.2	8482.3
37.5°	11262.6	11190.8	10889.4	10372.7	9821.2	9113.8	8771.4	9124.0	9134.3	9216.3
40°	12232.4	12263.1	12056.0	11656.2	11182.6	10409.6	9751.5	9905.2	9843.7	9981.1
42.5°	13064.8	13126.3	12945.9	12745.0	12470.2	11789.5	10965.3	10938.6	10840.2	10914.0
45°	13784.5	13835.7	13673.8	13626.6	13620.5	13142.7	12291.8	12131.9	11994.5	11980.2
47.5°	14049.0	14147.4	14217.1	14375.0	14682.5	14481.6	13663.5	13415.4	13261.6	13148.9
50°	14149.4	14254.0	14491.9	14951.1	15679.0	15765.1	15029.0	14750.2	14561.6	14356.5
52.5°	14014.1	14200.7	14520.6	15293.5	16349.5	16794.4	16339.2	16095.2	15879.9	15545.7
55°	13216.5	13403.1	14057.2	15289.4	16683.7	17516.1	17577.6	17469.0	17227.0	16700.1
57.5°	11535.3	11812.1	12847.5	14768.7	16677.5	18137.4	18791.4	18869.3	18598.7	17844.2
60°	9206.1	9581.3	10844.3	13614.3	16162.9	18473.6	19855.6	20245.1	19958.1	18971.9
62.5°	6423.7	6858.4	8053.8	11805.9	14986.0	18231.7	20632.6	21352.3	21135.0	19980.6
65°	3918.2	4057.6	5021.3	9290.1	12984.9	17218.8	20872.5	21951.0	21879.3	20597.8
67.5°	2610.1	2727.0	3003.8	6370.4	10079.5	15195.1	20298.4	21846.5	21867.0	20497.3
70°	1572.6	1673.1	1853.5	3705.0	6532.4	12027.3	18520.8	20513.7	20632.6	19154.3
72.5°	647.9	715.6	879.6	1679.2	3383.1	7633.4	14748.2	17612.5	17889.3	16105.5
75°	367.0	401.9	516.7	842.7	1468.0	3557.4	8933.4	12503.0	12911.0	11100.6
77.5°	244.0	260.4	334.2	545.4	826.3	1213.8	3817.7	6514.0	7293.1	6062.9
80°	164.0	178.4	229.6	365.0	537.2	520.8	1215.9	2413.3	2968.9	2083.2
82.5°	110.7	112.8	164.0	239.9	340.4	252.2	358.8	750.4	943.2	602.8
85°	63.6	61.5	121.0	139.4	151.7	104.6	108.7	225.5	295.3	254.2
87.5°	8.2	12.3	47.2	36.9	20.5	22.6	22.6	39.0	57.4	61.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850917
 CATALOG NUMBER: GLAN-SB8C-927-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3557.4	0°	3557.4	3557.4	3557.4	3557.4	3557.4	3557.4	3557.4	3557.4	3557.4	3557.4
3561.5	2.5°	3561.5	3559.4	3553.3	3547.1	3532.7	3524.5	3528.6	3524.5	3522.5	3524.5
3588.1	5°	3588.1	3582.0	3565.6	3545.1	3516.3	3481.5	3458.9	3426.1	3395.4	3376.9
3659.9	7.5°	3659.9	3653.7	3631.2	3573.8	3481.5	3335.9	3202.6	3085.8	2997.6	2946.3
3774.7	10°	3774.7	3764.4	3729.6	3602.5	3360.5	3042.7	2778.2	2558.8	2415.3	2347.6
3910.0	12.5°	3910.0	3897.7	3836.2	3575.8	3130.9	2634.7	2269.7	2025.7	1892.5	1833.0
4065.8	15°	4069.9	4053.5	3932.6	3448.7	2796.7	2183.6	1849.4	1666.9	1580.8	1527.5
4264.7	17.5°	4268.8	4240.1	4004.3	3258.0	2433.8	1839.2	1591.1	1453.7	1377.8	1326.6
4525.1	20°	4527.2	4480.0	4061.7	3030.4	2099.6	1621.8	1416.8	1302.0	1244.6	1199.5
4894.2	22.5°	4888.0	4820.4	4131.5	2784.4	1863.8	1472.1	1287.6	1203.6	1156.4	1105.1
5408.8	25°	5335.0	5255.0	4217.6	2556.8	1701.8	1343.0	1193.3	1123.6	1068.2	1008.8
6083.4	27.5°	5960.4	5816.8	4320.1	2370.2	1562.4	1232.3	1107.2	1029.3	965.7	916.5
6848.2	30°	6657.5	6421.7	4410.3	2257.4	1435.2	1129.7	994.4	916.5	857.0	822.2
7535.0	32.5°	7317.7	6997.8	4469.8	2208.2	1320.4	1012.9	871.4	787.3	742.2	732.0
8207.5	35°	7941.0	7518.6	4463.6	2161.1	1217.9	896.0	750.4	664.3	629.5	635.6
8931.3	37.5°	8658.6	8074.3	4420.5	2087.3	1133.8	789.4	645.9	570.0	539.2	541.3
9810.9	40°	9493.1	8716.0	4393.9	1947.8	1041.6	691.0	559.7	498.2	475.7	467.5
10737.7	42.5°	10383.0	9337.3	4398.0	1790.0	926.8	602.8	500.3	449.0	428.5	422.4
11769.0	45°	11276.9	9929.8	4404.1	1625.9	805.8	535.1	457.2	414.2	401.9	393.7
12814.7	47.5°	12117.6	10434.2	4289.3	1449.6	686.9	483.9	422.4	393.7	383.4	373.2
13864.5	50°	12900.8	10770.5	4012.5	1244.6	592.6	442.9	395.7	375.2	365.0	354.7
14815.8	52.5°	13509.7	10823.8	3555.3	1033.4	526.9	412.1	379.3	360.9	348.6	338.3
15584.7	55°	13780.4	10489.6	2905.3	836.5	475.7	385.5	362.9	344.5	330.1	319.9
16189.5	57.5°	13710.7	9786.3	2265.6	672.5	426.5	358.8	342.4	330.1	313.7	297.3
16679.6	60°	13368.3	8845.2	1707.9	559.7	381.4	330.1	319.9	309.6	287.0	262.4
16868.2	62.5°	12775.7	7662.1	1217.9	463.4	332.2	297.3	293.2	285.0	252.2	207.1
16589.4	65°	11869.5	6224.9	820.1	385.5	285.0	260.4	262.4	248.1	205.0	153.8
15568.3	67.5°	10544.9	4551.8	524.9	315.8	237.8	217.3	219.4	211.2	174.3	131.2
13632.8	70°	8857.5	3014.0	342.4	239.9	190.7	168.1	180.4	182.5	147.6	106.6
10462.9	72.5°	6493.5	1779.7	239.9	178.4	139.4	116.9	147.6	151.7	118.9	80.0
6294.6	75°	3700.9	844.7	180.4	129.2	86.1	82.0	114.8	114.8	82.0	53.3
2724.9	77.5°	1554.2	352.7	127.1	84.1	49.2	47.2	77.9	71.8	41.0	24.6
664.3	80°	449.0	157.9	67.7	41.0	20.5	18.5	30.8	22.6	10.3	4.1
252.2	82.5°	176.3	69.7	26.7	16.4	8.2	8.2	4.1	0.0	0.0	0.0
143.5	85°	104.6	28.7	12.3	6.2	2.1	0.0	0.0	0.0	0.0	0.0
30.8	87.5°	26.7	6.2	4.1	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°
3557.4
3532.7
3381.0
2948.4
2341.5
1826.9
1529.6
1322.5
1191.3
1096.9
1002.6
906.3
816.0
738.1
635.6
549.5
465.4
420.3
393.7
373.2
354.7
336.3
317.8
295.3
258.3
203.0
149.7
125.1
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75.9
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