

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: P850927

Luminaire Tested: **GLAN-SB8C-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850927
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-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 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: 32042 lumens
Efficiency: N/A
Efficacy: 80.1 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

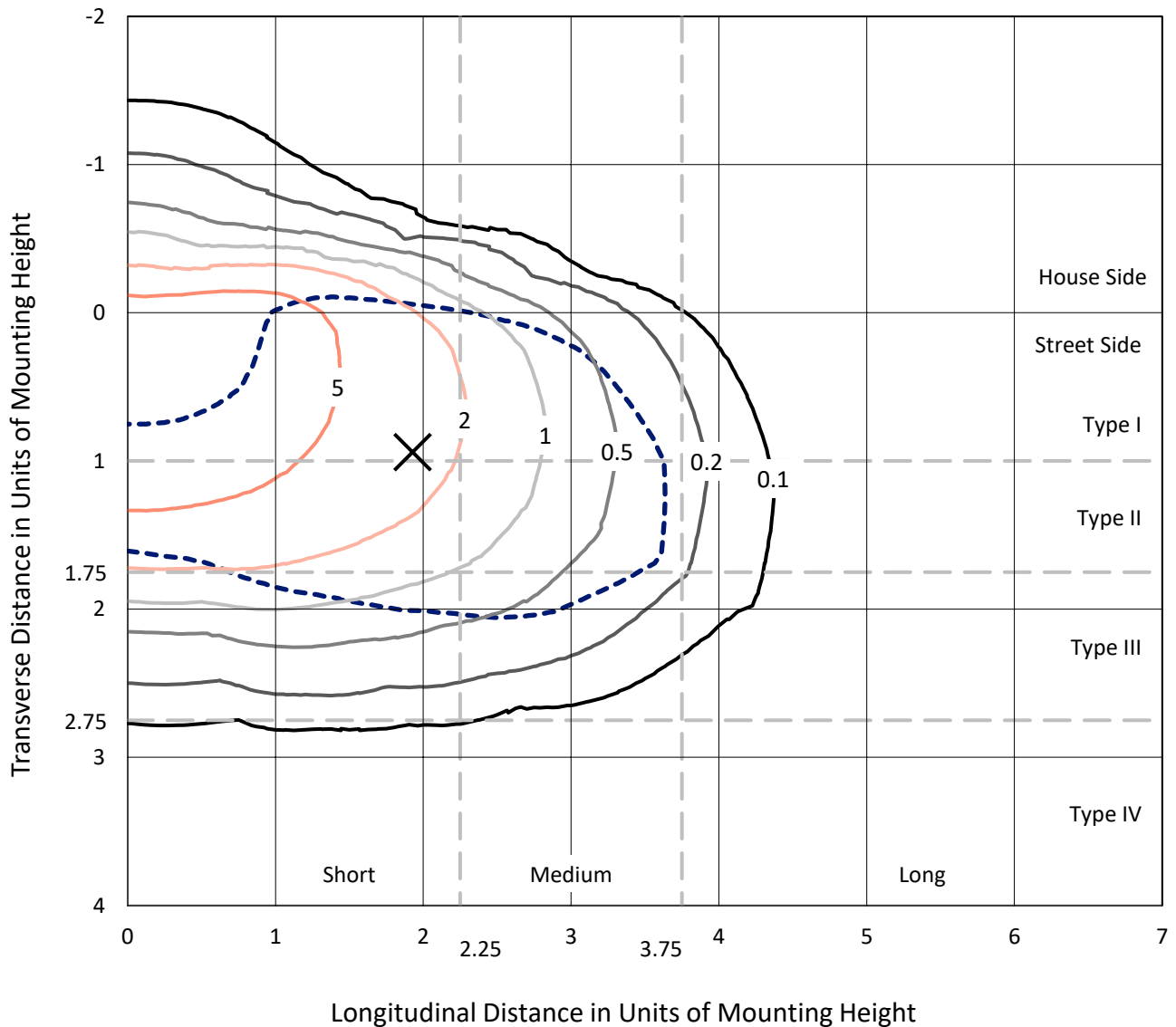
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

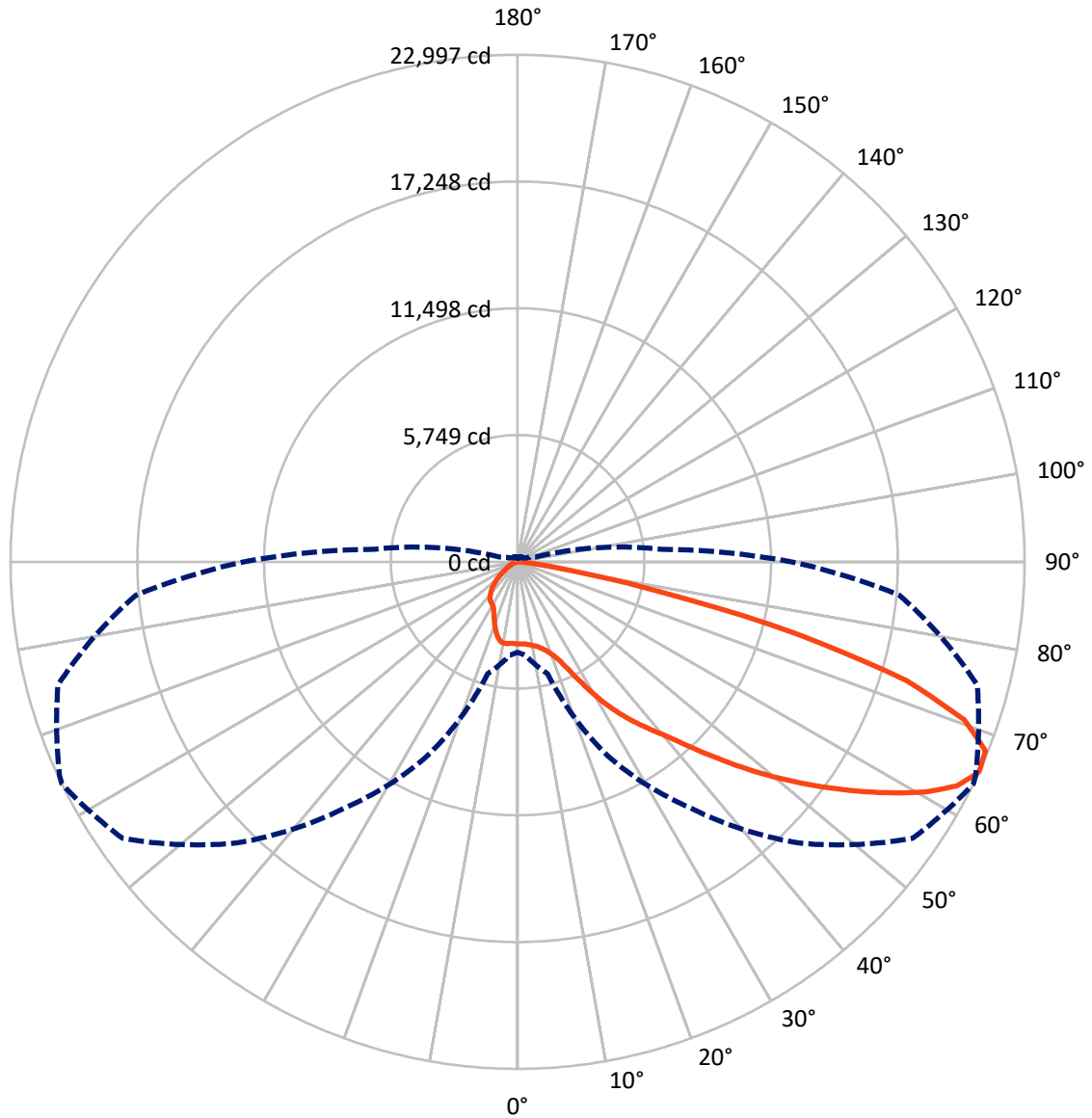
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	4285.0	0.0	4285.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	27757.0	0.0	27757.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	32042.0	0.0	32042.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.8	1.1
10°-20°	932.6	2.9
20°-30°	1767.2	5.5
30°-40°	3575.9	11.2
40°-50°	6091.6	19.0
50°-60°	8284.1	25.9
60°-70°	7779.2	24.3
70°-80°	3116.7	9.7
80°-90°	151.0	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°	32042.0	100.0
0°-180°	32042.0	100.0

Coefficient of Utilization

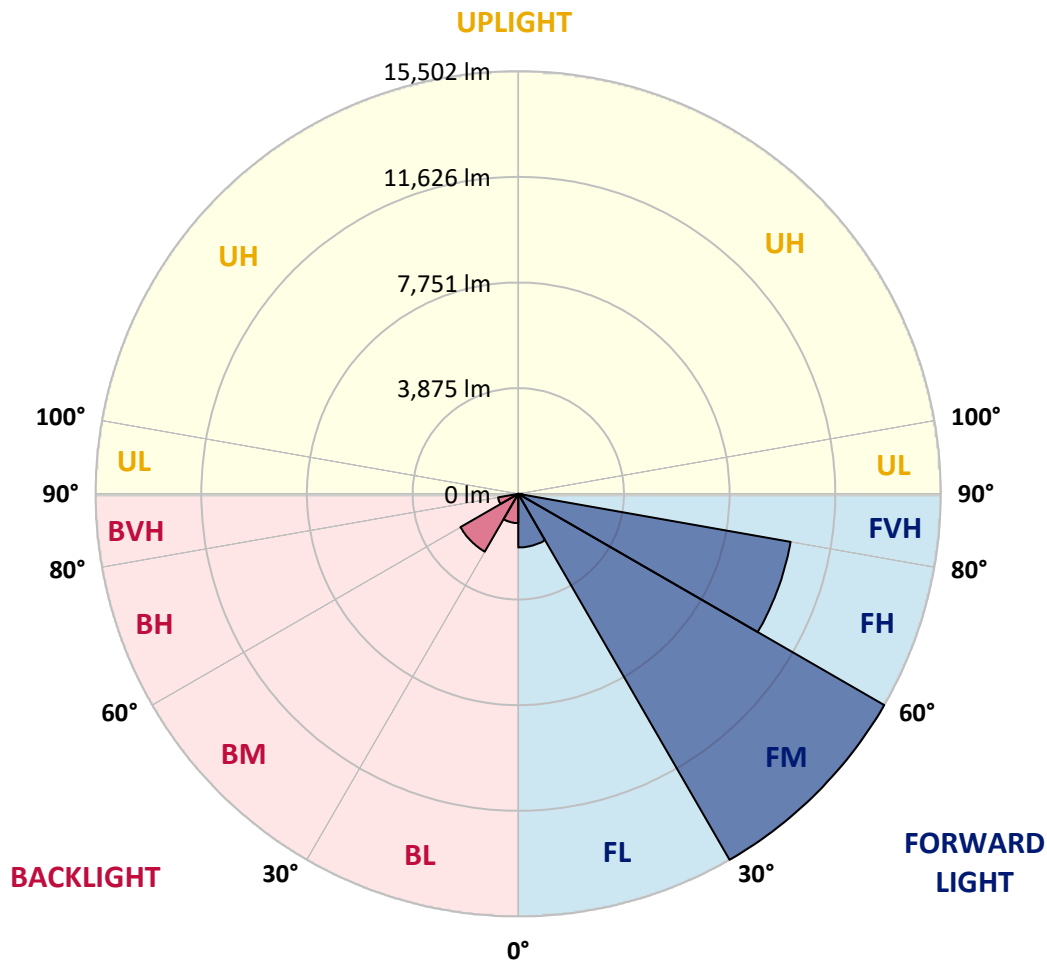


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1967.7	6.1			
FM (30°-60°)	15501.9	48.4			
FH (60°-80°)	10143.8	31.7			G4/12000
FVH (80°-90°)	143.6	0.4			G2/225
BL (0°-30°)	1075.8	3.4	B3/2500		
BM (30°-60°)	2449.7	7.6	B2/2500		
BH (60°-80°)	752.1	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.4	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-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3726.8	3726.8	3726.8	3726.8	3726.8	3726.8	3726.8	3726.8	3726.8	3726.8
2.5°	3713.9	3739.7	3733.3	3726.8	3724.7	3729.0	3731.1	3729.0	3729.0	3729.0
5°	3643.0	3664.5	3664.5	3679.6	3701.0	3726.8	3746.1	3750.4	3754.7	3761.2
7.5°	3507.7	3524.9	3537.8	3587.2	3640.9	3709.6	3767.6	3797.7	3802.0	3825.6
10°	3415.4	3436.8	3458.3	3509.9	3587.2	3690.3	3789.1	3862.1	3872.9	3928.7
12.5°	3411.1	3432.5	3460.5	3516.3	3606.5	3716.1	3836.4	3941.6	3961.0	4042.6
15°	3456.2	3481.9	3507.7	3576.5	3673.1	3806.3	3935.2	4066.2	4085.5	4201.5
17.5°	3548.5	3582.9	3602.2	3671.0	3774.1	3922.3	4092.0	4242.3	4259.5	4394.9
20°	3731.1	3771.9	3778.4	3834.2	3935.2	4094.1	4296.0	4482.9	4504.4	4659.1
22.5°	4109.2	4167.2	4115.6	4143.5	4233.8	4392.7	4611.8	4848.1	4878.2	5054.3
25°	4775.1	4856.7	4723.5	4676.2	4714.9	4880.3	5155.3	5453.8	5488.2	5630.0
27.5°	6083.2	5977.9	5776.0	5578.4	5462.4	5556.9	5866.2	6235.7	6278.7	6416.1
30°	7520.2	7427.9	7155.1	6716.9	6441.9	6426.9	6712.6	7125.0	7174.4	7305.4
32.5°	8959.4	8871.3	8574.9	8035.7	7558.9	7322.6	7520.2	7977.8	8003.5	8087.3
35°	10374.9	10284.7	9988.3	9436.3	8849.8	8312.8	8274.2	8789.7	8798.3	8886.4
37.5°	11799.1	11723.9	11408.1	10866.8	10289.0	9548.0	9189.2	9558.7	9569.4	9655.4
40°	12815.1	12847.3	12630.4	12211.5	11715.3	10905.5	10216.0	10377.1	10312.7	10456.6
42.5°	13687.2	13751.6	13562.6	13352.1	13064.3	12351.1	11487.6	11459.7	11356.6	11433.9
45°	14441.1	14494.8	14325.2	14275.8	14269.3	13768.8	12877.4	12709.8	12565.9	12550.9
47.5°	14718.2	14821.3	14894.4	15059.8	15382.0	15171.5	14314.4	14054.5	13893.4	13775.3
50°	14823.5	14933.0	15182.2	15663.4	16425.9	16516.1	15745.0	15452.9	15255.2	15040.4
52.5°	14681.7	14877.2	15212.3	16022.1	17128.3	17594.4	17117.6	16862.0	16636.4	16286.3
55°	13846.1	14041.6	14726.8	16017.8	17478.5	18350.5	18415.0	18301.1	18047.7	17495.6
57.5°	12084.8	12374.8	13459.5	15472.2	17472.0	19001.4	19686.6	19768.2	19484.7	18694.2
60°	9644.6	10037.7	11360.9	14262.9	16932.9	19353.7	20801.4	21209.6	20908.8	19875.6
62.5°	6729.8	7185.1	8437.4	12368.3	15699.9	19100.2	21615.5	22369.5	22141.8	20932.5
65°	4104.9	4250.9	5260.5	9732.7	13603.4	18039.1	21866.9	22996.7	22921.5	21579.0
67.5°	2734.4	2856.9	3146.9	6673.9	10559.7	15919.0	21265.4	22887.2	22908.6	21473.8
70°	1647.5	1752.8	1941.8	3881.5	6843.6	12600.3	19403.1	21491.0	21615.5	20066.8
72.5°	678.8	749.7	921.5	1759.2	3544.2	7997.1	15450.7	18451.5	18741.5	16872.7
75°	384.5	421.0	541.3	882.8	1538.0	3726.8	9358.9	13098.6	13526.1	11629.4
77.5°	255.6	272.8	350.1	571.4	865.7	1271.6	3999.6	6824.3	7640.5	6351.7
80°	171.8	186.9	240.6	382.3	562.8	545.6	1273.8	2528.2	3110.3	2182.4
82.5°	116.0	118.1	171.8	251.3	356.6	264.2	375.9	786.2	988.1	631.5
85°	66.6	64.4	126.7	146.1	159.0	109.5	113.8	236.3	309.3	266.4
87.5°	8.6	12.9	49.4	38.7	21.5	23.6	23.6	40.8	60.1	64.4
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°
3726.8	0°	3726.8	3726.8	3726.8	3726.8	3726.8	3726.8	3726.8	3726.8	3726.8	3726.8
3731.1	2.5°	3731.1	3729.0	3722.5	3716.1	3701.0	3692.4	3696.7	3692.4	3690.3	3692.4
3759.0	5°	3759.0	3752.6	3735.4	3713.9	3683.9	3647.3	3623.7	3589.3	3557.1	3537.8
3834.2	7.5°	3834.2	3827.8	3804.1	3744.0	3647.3	3494.8	3355.2	3232.8	3140.4	3086.7
3954.5	10°	3954.5	3943.8	3907.3	3774.1	3520.6	3187.7	2910.6	2680.7	2530.4	2459.5
4096.3	12.5°	4096.3	4083.4	4018.9	3746.1	3280.0	2760.2	2377.9	2122.2	1982.6	1920.3
4259.5	15°	4263.8	4246.6	4119.9	3613.0	2929.9	2287.6	1937.5	1746.3	1656.1	1600.3
4467.9	17.5°	4472.2	4442.1	4195.1	3413.2	2549.7	1926.8	1666.9	1522.9	1443.5	1389.8
4740.7	20°	4742.8	4693.4	4255.2	3174.8	2199.6	1699.1	1484.3	1364.0	1303.8	1256.6
5127.3	22.5°	5120.9	5050.0	4328.3	2917.0	1952.6	1542.3	1349.0	1260.9	1211.5	1157.8
5666.5	25°	5589.2	5505.4	4418.5	2678.6	1782.9	1407.0	1250.1	1177.1	1119.1	1056.8
6373.2	27.5°	6244.3	6093.9	4525.9	2483.1	1636.8	1291.0	1159.9	1078.3	1011.7	960.2
7174.4	30°	6974.6	6727.6	4620.4	2365.0	1503.6	1183.6	1041.8	960.2	897.9	861.4
7894.0	32.5°	7666.3	7331.2	4682.7	2313.4	1383.3	1061.1	912.9	824.8	777.6	766.8
8598.5	35°	8319.3	7876.8	4676.2	2264.0	1275.9	938.7	786.2	696.0	659.4	665.9
9356.8	37.5°	9071.1	8458.9	4631.1	2186.7	1187.9	827.0	676.6	597.1	564.9	567.1
10278.3	40°	9945.3	9131.2	4603.2	2040.6	1091.2	723.9	586.4	522.0	498.3	489.7
11249.2	42.5°	10877.6	9782.1	4607.5	1875.2	970.9	631.5	524.1	470.4	448.9	442.5
12329.6	45°	11814.1	10402.9	4614.0	1703.4	844.2	560.6	479.0	433.9	421.0	412.4
13425.1	47.5°	12694.8	10931.3	4493.7	1518.7	719.6	506.9	442.5	412.4	401.7	390.9
14524.9	50°	13515.4	11283.6	4203.7	1303.8	620.8	464.0	414.6	393.1	382.3	371.6
15521.6	52.5°	14153.3	11339.4	3724.7	1082.6	552.0	431.8	397.4	378.1	365.2	354.4
16327.1	55°	14436.9	10989.3	3043.7	876.4	498.3	403.8	380.2	360.9	345.8	335.1
16960.8	57.5°	14363.8	10252.5	2373.6	704.6	446.8	375.9	358.7	345.8	328.6	311.5
17474.2	60°	14005.1	9266.6	1789.3	586.4	399.5	345.8	335.1	324.4	300.7	274.9
17671.8	62.5°	13384.3	8027.2	1275.9	485.5	348.0	311.5	307.2	298.6	264.2	217.0
17379.6	65°	12434.9	6521.4	859.2	403.8	298.6	272.8	274.9	259.9	214.8	161.1
16309.9	67.5°	11047.3	4768.6	549.9	330.8	249.2	227.7	229.8	221.2	182.6	137.5
14282.2	70°	9279.5	3157.6	358.7	251.3	199.8	176.1	189.0	191.2	154.7	111.7
10961.4	72.5°	6802.8	1864.5	251.3	186.9	146.1	122.4	154.7	159.0	124.6	83.8
6594.4	75°	3877.2	885.0	189.0	135.3	90.2	85.9	120.3	120.3	85.9	55.8
2854.7	77.5°	1628.2	369.5	133.2	88.1	51.6	49.4	81.6	75.2	43.0	25.8
696.0	80°	470.4	165.4	70.9	43.0	21.5	19.3	32.2	23.6	10.7	4.3
264.2	82.5°	184.7	73.0	27.9	17.2	8.6	8.6	4.3	0.0	0.0	0.0
150.4	85°	109.5	30.1	12.9	6.4	2.1	0.0	0.0	0.0	0.0	0.0
32.2	87.5°	27.9	6.4	4.3	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°
3726.8
3701.0
3542.1
3088.9
2453.0
1913.9
1602.4
1385.5
1248.0
1149.2
1050.4
949.4
854.9
773.3
665.9
575.7
487.6
440.3
412.4
390.9
371.6
352.3
332.9
309.3
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