

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: P851607

Luminaire Tested: **GLAN-SB9C-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851607
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-SB9C-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 36092 lumens
Efficiency: N/A
Efficacy: 80.2 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

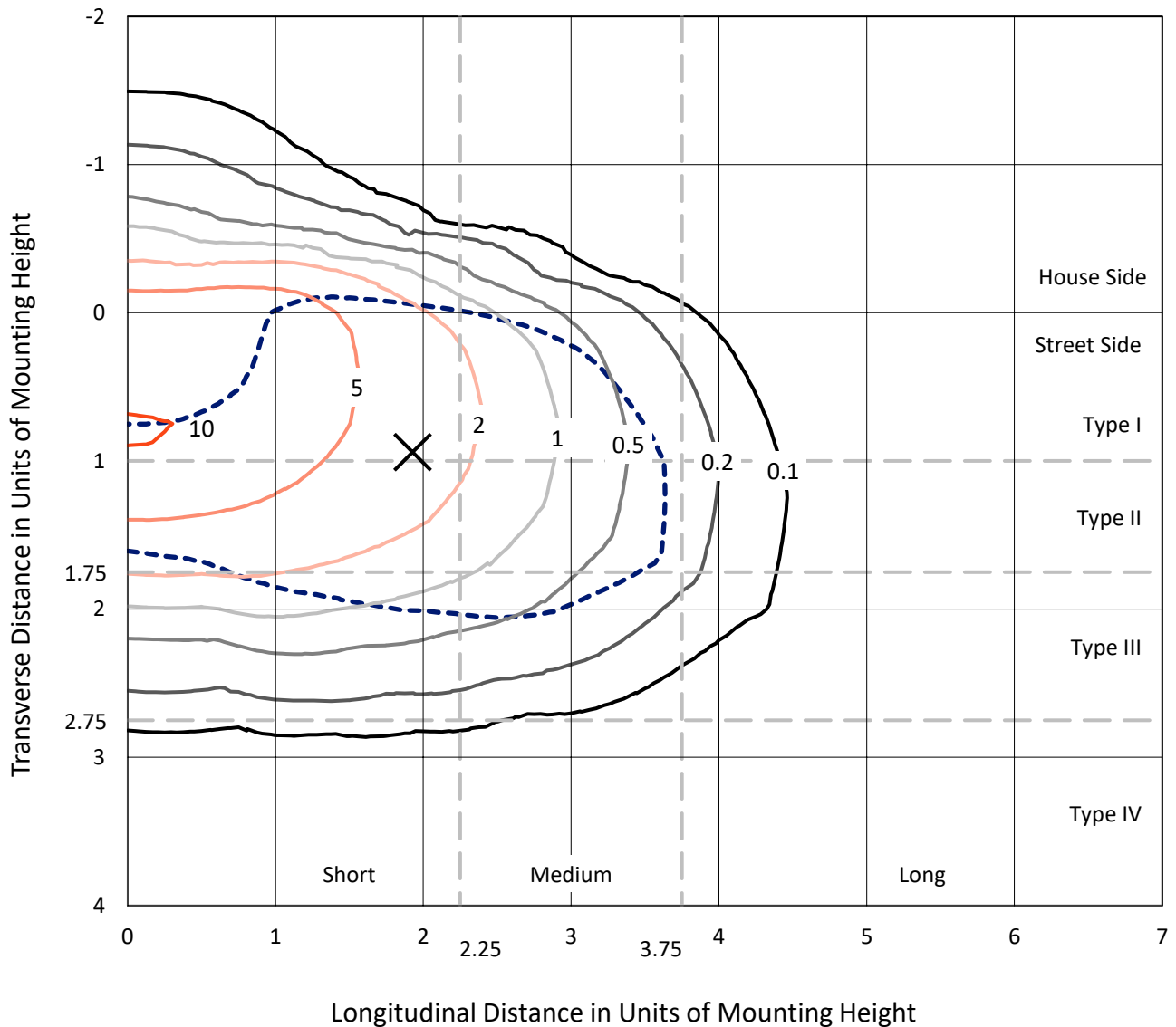
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

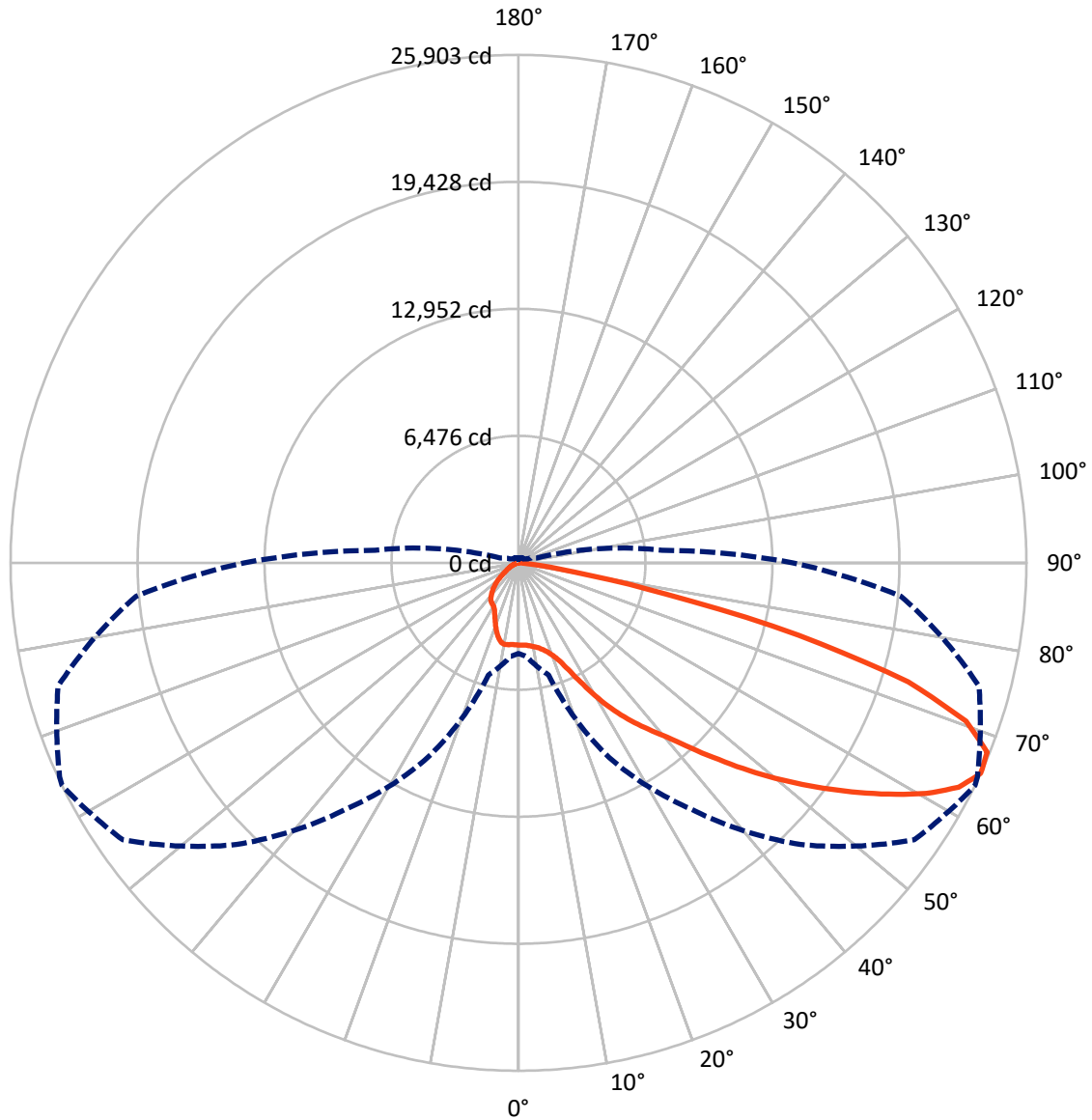
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 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	4826.6	0.0	4826.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	31265.4	0.0	31265.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	36092.0	0.0	36092.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.3	1.1
10°-20°	1050.5	2.9
20°-30°	1990.5	5.5
30°-40°	4027.9	11.2
40°-50°	6861.5	19.0
50°-60°	9331.2	25.9
60°-70°	8762.4	24.3
70°-80°	3510.6	9.7
80°-90°	170.1	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°	36092.0	100.0
0°-180°	36092.0	100.0

Coefficient of Utilization



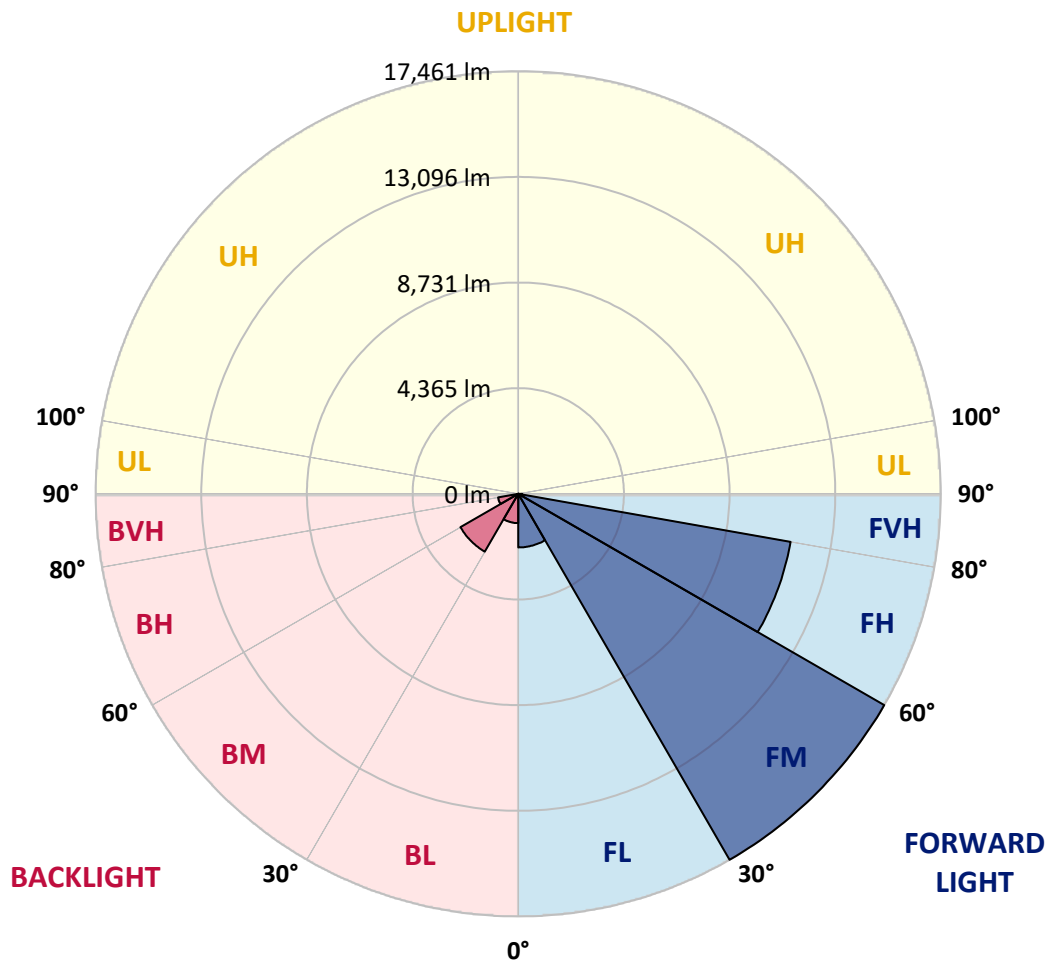
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2216.5	6.1			
FM (30°-60°)	17461.3	48.4			
FH (60°-80°)	11425.9	31.7			G4/12000
FVH (80°-90°)	161.8	0.4			G2/225
BL (0°-30°)	1211.8	3.4	B3/2500		
BM (30°-60°)	2759.3	7.6	B3/5000		
BH (60°-80°)	847.1	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.3	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°	4197.9	4197.9	4197.9	4197.9	4197.9	4197.9	4197.9	4197.9	4197.9	4197.9
2.5°	4183.4	4212.4	4205.1	4197.9	4195.5	4200.3	4202.7	4200.3	4200.3	4200.3
5°	4103.5	4127.7	4127.7	4144.6	4168.8	4197.9	4219.7	4224.5	4229.3	4236.6
7.5°	3951.1	3970.4	3985.0	4040.6	4101.1	4178.5	4243.8	4277.7	4282.6	4309.2
10°	3847.0	3871.2	3895.4	3953.5	4040.6	4156.7	4268.0	4350.3	4362.4	4425.3
12.5°	3842.2	3866.4	3897.9	3960.8	4062.4	4185.8	4321.3	4439.8	4461.6	4553.5
15°	3893.0	3922.0	3951.1	4028.5	4137.4	4287.4	4432.6	4580.2	4601.9	4732.6
17.5°	3997.1	4035.8	4057.5	4135.0	4251.1	4418.1	4609.2	4778.6	4797.9	4950.3
20°	4202.7	4248.7	4255.9	4318.9	4432.6	4611.6	4839.0	5049.5	5073.7	5247.9
22.5°	4628.5	4693.9	4635.8	4667.3	4768.9	4947.9	5194.7	5460.9	5494.7	5693.1
25°	5378.6	5470.5	5320.5	5267.3	5310.9	5497.2	5806.9	6143.2	6181.9	6341.6
27.5°	6852.1	6733.5	6506.1	6283.5	6152.8	6259.3	6607.7	7023.9	7072.3	7227.1
30°	8470.8	8366.7	8059.4	7565.9	7256.2	7239.2	7561.0	8025.6	8081.2	8228.8
32.5°	10091.8	9992.6	9658.7	9051.4	8514.3	8248.2	8470.8	8986.1	9015.1	9109.5
35°	11686.3	11584.7	11250.8	10629.0	9968.4	9363.6	9320.0	9900.7	9910.4	10009.6
37.5°	13290.4	13205.8	12850.1	12240.4	11589.5	10754.8	10350.7	10766.9	10779.0	10875.8
40°	14434.9	14471.2	14226.8	13755.0	13196.1	12283.9	11507.3	11688.7	11616.1	11778.2
42.5°	15417.2	15489.8	15276.9	15039.8	14715.5	13912.3	12939.6	12908.2	12792.0	12879.1
45°	16266.5	16326.9	16135.8	16080.2	16072.9	15509.1	14505.0	14316.3	14154.2	14137.3
47.5°	16578.6	16694.7	16777.0	16963.3	17326.2	17089.1	16123.7	15830.9	15649.5	15516.4
50°	16697.1	16820.5	17101.2	17643.2	18502.1	18603.7	17735.1	17406.1	17183.5	16941.5
52.5°	16537.4	16757.6	17135.1	18047.2	19293.3	19818.3	19281.2	18993.3	18739.2	18344.8
55°	15596.3	15816.4	16588.3	18042.4	19687.7	20670.0	20742.6	20614.3	20328.8	19707.0
57.5°	13612.2	13938.9	15160.7	17427.8	19680.4	21403.1	22174.9	22266.9	21947.5	21057.1
60°	10863.7	11306.4	12796.9	16065.6	19073.1	21799.9	23430.7	23890.4	23551.6	22387.9
62.5°	7580.4	8093.3	9503.9	13931.6	17684.3	21514.4	24347.7	25196.9	24940.5	23578.3
65°	4623.7	4788.2	5925.4	10962.9	15322.8	20319.2	24630.8	25903.4	25818.7	24306.5
67.5°	3080.1	3218.0	3544.6	7517.5	11894.4	17931.1	23953.3	25780.0	25804.2	24188.0
70°	1855.8	1974.3	2187.2	4372.1	7708.6	14192.9	21855.6	24207.3	24347.7	22603.2
72.5°	764.6	844.4	1038.0	1981.6	3992.2	9007.9	17403.6	20783.7	21110.3	19005.4
75°	433.1	474.2	609.7	994.4	1732.4	4197.9	10541.9	14754.3	15235.7	13099.3
77.5°	287.9	307.3	394.4	643.6	975.1	1432.4	4505.2	7686.8	8606.2	7154.5
80°	193.6	210.5	271.0	430.7	633.9	614.6	1434.8	2847.8	3503.5	2458.2
82.5°	130.7	133.1	193.6	283.1	401.6	297.6	423.4	885.5	1113.0	711.3
85°	75.0	72.6	142.8	164.5	179.0	123.4	128.2	266.1	348.4	300.0
87.5°	9.7	14.5	55.6	43.6	24.2	26.6	26.6	46.0	67.7	72.6
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°
4197.9	0°	4197.9	4197.9	4197.9	4197.9	4197.9	4197.9	4197.9	4197.9	4197.9	4197.9
4202.7	2.5°	4202.7	4200.3	4193.0	4185.8	4168.8	4159.2	4164.0	4159.2	4156.7	4159.2
4234.2	5°	4234.2	4226.9	4207.6	4183.4	4149.5	4108.4	4081.7	4043.0	4006.7	3985.0
4318.9	7.5°	4318.9	4311.6	4285.0	4217.2	4108.4	3936.6	3779.3	3641.4	3537.3	3476.9
4454.3	10°	4454.3	4442.2	4401.1	4251.1	3965.6	3590.6	3278.5	3019.6	2850.2	2770.4
4614.0	12.5°	4614.0	4599.5	4526.9	4219.7	3694.6	3109.1	2678.4	2390.5	2233.2	2163.1
4797.9	15°	4802.8	4783.4	4640.6	4069.6	3300.2	2576.8	2182.4	1967.1	1865.5	1802.5
5032.6	17.5°	5037.4	5003.6	4725.3	3844.6	2872.0	2170.3	1877.6	1715.4	1625.9	1565.4
5339.9	20°	5342.3	5286.7	4793.1	3576.1	2477.6	1913.8	1671.9	1536.4	1468.7	1415.4
5775.4	22.5°	5768.1	5688.3	4875.3	3285.7	2199.3	1737.2	1519.5	1420.3	1364.6	1304.1
6382.7	25°	6295.6	6201.2	4977.0	3017.1	2008.2	1584.8	1408.2	1325.9	1260.6	1190.4
7178.7	27.5°	7033.6	6864.2	5097.9	2797.0	1843.7	1454.1	1306.5	1214.6	1139.6	1081.5
8081.2	30°	7856.2	7577.9	5204.4	2663.9	1693.7	1333.2	1173.5	1081.5	1011.4	970.2
8891.8	32.5°	8635.3	8257.8	5274.6	2605.8	1558.2	1195.2	1028.3	929.1	875.9	863.8
9685.4	35°	9370.8	8872.4	5267.3	2550.2	1437.2	1057.3	885.5	783.9	742.8	750.1
10539.4	37.5°	10217.7	9528.1	5216.5	2463.1	1338.0	931.5	762.2	672.6	636.3	638.8
11577.4	40°	11202.4	10285.4	5185.0	2298.5	1229.1	815.4	660.5	587.9	561.3	551.7
12671.0	42.5°	12252.5	11018.5	5189.9	2112.2	1093.6	711.3	590.4	529.9	505.7	498.4
13888.1	45°	13307.4	11717.8	5197.1	1918.7	950.9	631.5	539.6	488.7	474.2	464.5
15122.0	47.5°	14299.4	12313.0	5061.6	1710.6	810.5	571.0	498.4	464.5	452.5	440.4
16360.8	50°	15223.6	12709.8	4735.0	1468.7	699.2	522.6	467.0	442.8	430.7	418.6
17483.5	52.5°	15942.2	12772.7	4195.5	1219.4	621.8	486.3	447.6	425.8	411.3	399.2
18390.8	55°	16261.6	12378.3	3428.5	987.2	561.3	454.9	428.3	406.5	389.5	377.4
19104.6	57.5°	16179.4	11548.4	2673.6	793.6	503.3	423.4	404.1	389.5	370.2	350.8
19682.8	60°	15775.3	10437.8	2015.5	660.5	450.0	389.5	377.4	365.3	338.7	309.7
19905.4	62.5°	15076.1	9041.8	1437.2	546.8	392.0	350.8	346.0	336.3	297.6	244.4
19576.4	65°	14006.6	7345.7	967.8	454.9	336.3	307.3	309.7	292.8	242.0	181.5
18371.4	67.5°	12443.6	5371.3	619.4	372.6	280.7	256.5	258.9	249.2	205.7	154.8
16087.4	70°	10452.3	3556.7	404.1	283.1	225.0	198.4	212.9	215.3	174.2	125.8
12346.8	72.5°	7662.6	2100.1	283.1	210.5	164.5	137.9	174.2	179.0	140.3	94.4
7427.9	75°	4367.2	996.8	212.9	152.4	101.6	96.8	135.5	135.5	96.8	62.9
3215.5	77.5°	1834.0	416.2	150.0	99.2	58.1	55.6	91.9	84.7	48.4	29.0
783.9	80°	529.9	186.3	79.8	48.4	24.2	21.8	36.3	26.6	12.1	4.8
297.6	82.5°	208.1	82.3	31.5	19.4	9.7	9.7	4.8	0.0	0.0	0.0
169.4	85°	123.4	33.9	14.5	7.3	2.4	0.0	0.0	0.0	0.0	0.0
36.3	87.5°	31.5	7.3	4.8	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°
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4197.9
4168.8
3989.8
3479.3
2763.1
2155.8
1805.0
1560.6
1405.7
1294.4
1183.1
1069.4
963.0
871.0
750.1
648.4
549.2
496.0
464.5
440.4
418.6
396.8
375.0
348.4
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