

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: P851087

Luminaire Tested: **GLAN-SB8D-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851087
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-SB8D-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 900mA 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: 41559 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

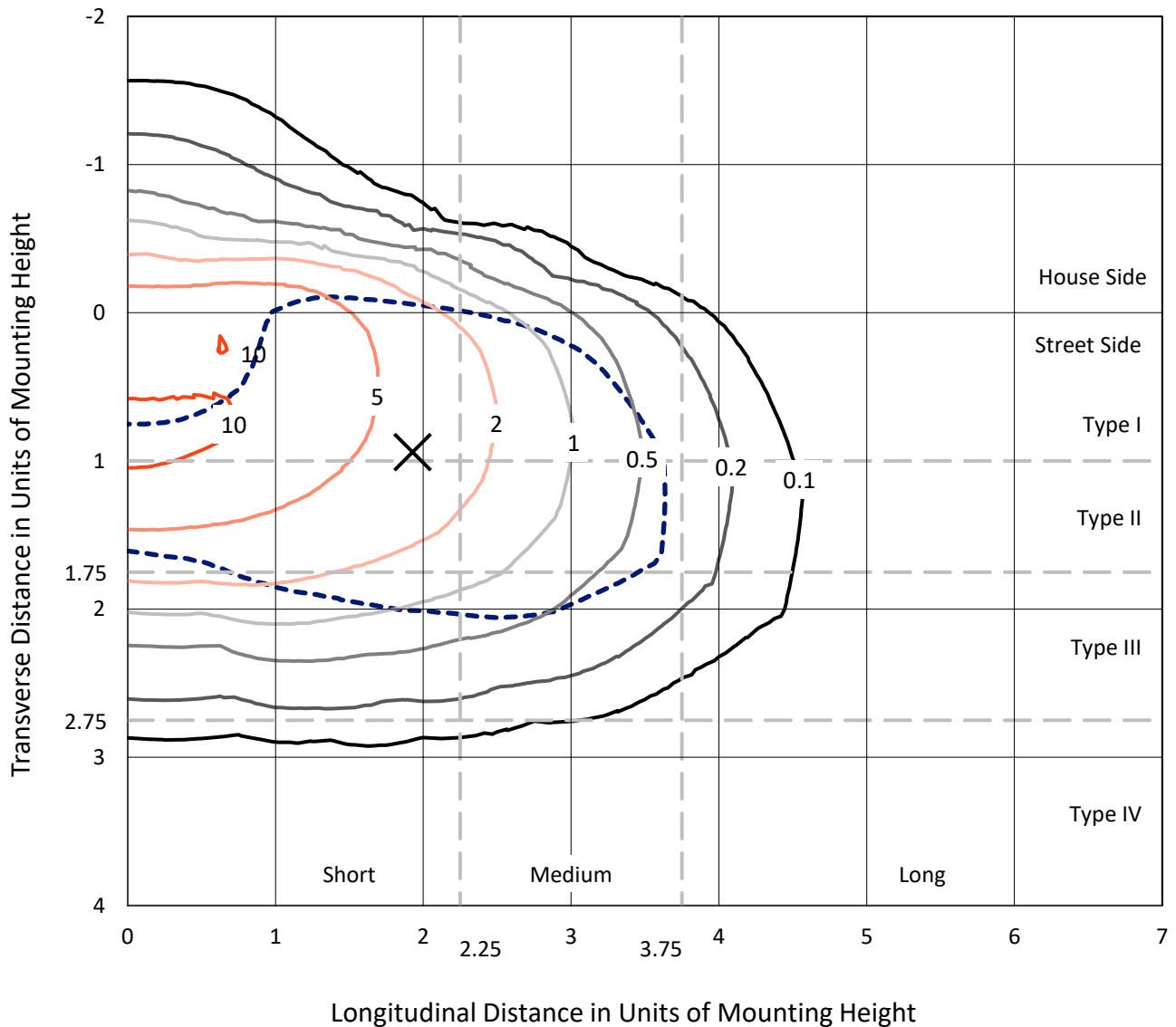
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

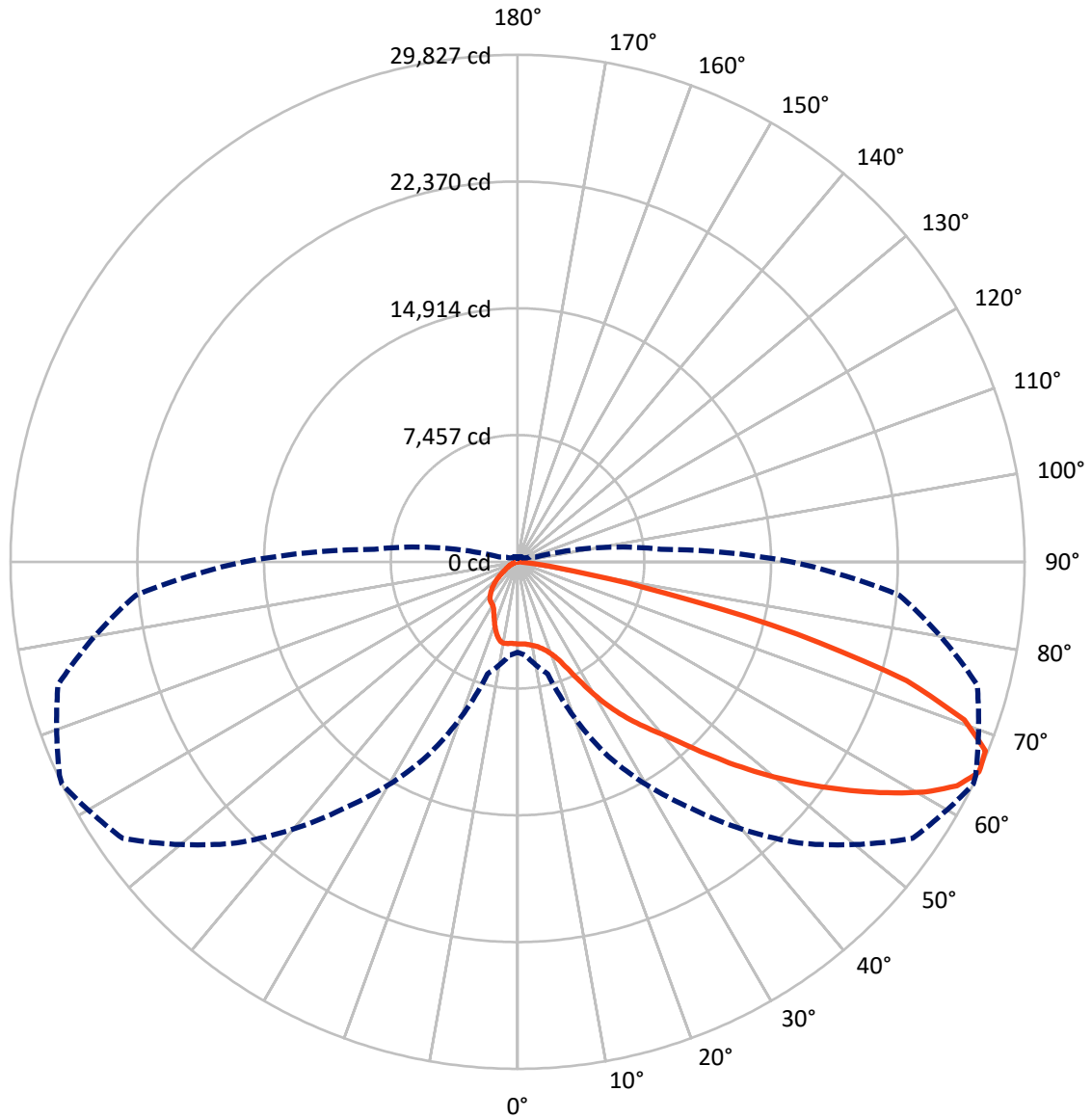
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 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	5557.7	0.0	5557.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	36001.3	0.0	36001.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	41559.0	0.0	41559.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.0	1.1
10°-20°	1209.6	2.9
20°-30°	2292.0	5.5
30°-40°	4638.0	11.2
40°-50°	7900.9	19.0
50°-60°	10744.6	25.9
60°-70°	10089.7	24.3
70°-80°	4042.4	9.7
80°-90°	195.8	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°	41559.0	100.0
0°-180°	41559.0	100.0

Coefficient of Utilization



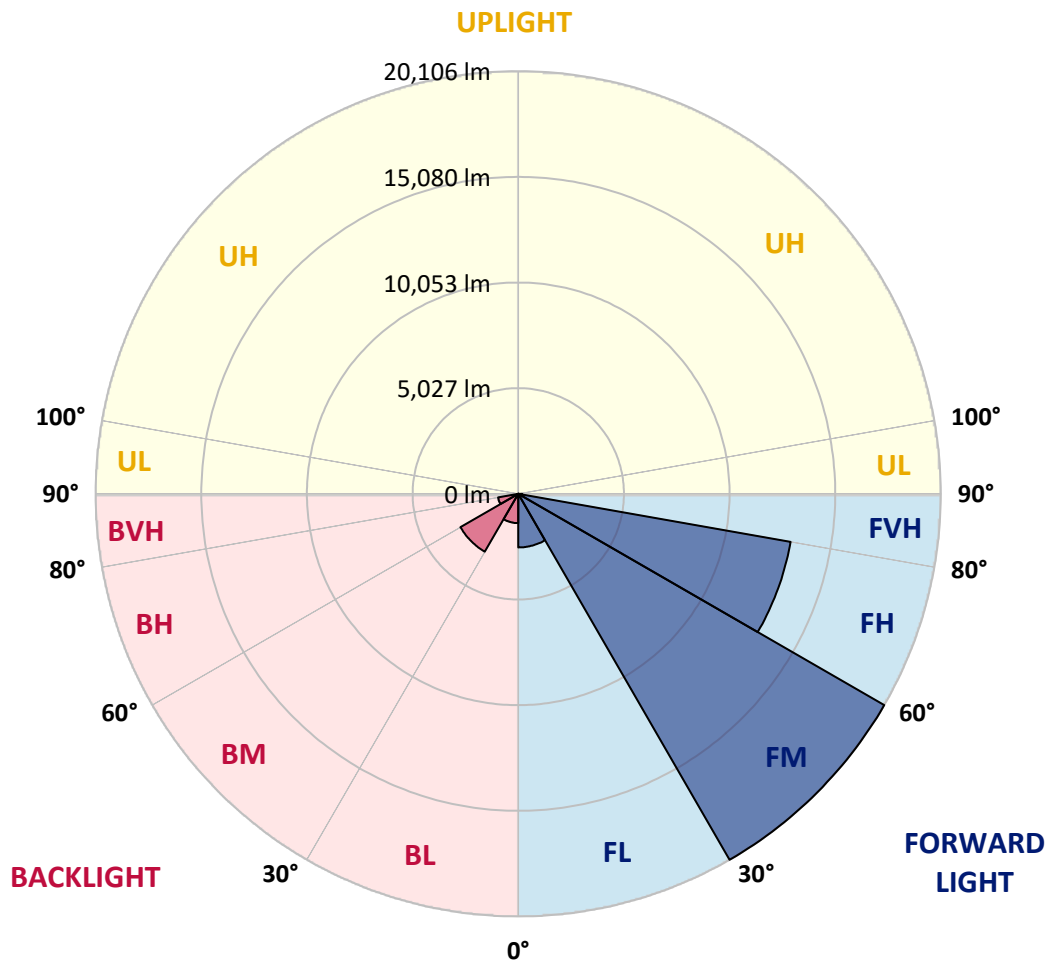
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2552.2	6.1			
FM (30°-60°)	20106.2	48.4			
FH (60°-80°)	13156.6	31.7			G5
FVH (80°-90°)	186.3	0.4			G2/225
BL (0°-30°)	1395.4	3.4	B3/2500		
BM (30°-60°)	3177.3	7.6	B3/5000		
BH (60°-80°)	975.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	9.6	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°	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7
2.5°	4817.0	4850.5	4842.1	4833.7	4831.0	4836.5	4839.3	4836.5	4836.5	4836.5
5°	4725.1	4752.9	4752.9	4772.5	4800.3	4833.7	4858.8	4864.4	4870.0	4878.3
7.5°	4549.6	4571.9	4588.6	4652.7	4722.3	4811.5	4886.7	4925.7	4931.3	4961.9
10°	4429.8	4457.6	4485.5	4552.4	4652.7	4786.4	4914.5	5009.3	5023.2	5095.6
12.5°	4424.2	4452.1	4488.3	4560.7	4677.7	4819.8	4975.8	5112.3	5137.4	5243.3
15°	4482.7	4516.1	4549.6	4638.7	4764.1	4936.8	5104.0	5273.9	5299.0	5449.5
17.5°	4602.5	4647.1	4672.2	4761.3	4895.0	5087.3	5307.4	5502.4	5524.7	5700.2
20°	4839.3	4892.2	4900.6	4973.0	5104.0	5310.2	5572.0	5814.4	5842.3	6042.9
22.5°	5329.7	5404.9	5338.0	5374.2	5491.2	5697.4	5981.6	6288.0	6327.0	6555.5
25°	6193.3	6299.2	6126.5	6065.2	6115.3	6329.8	6686.4	7073.7	7118.3	7302.2
27.5°	7890.0	7753.5	7491.6	7235.3	7084.8	7207.4	7608.6	8087.8	8143.5	8321.8
30°	9753.9	9634.1	9280.2	8711.9	8355.3	8335.8	8706.3	9241.2	9305.3	9475.3
32.5°	11620.5	11506.3	11121.8	10422.5	9804.0	9497.5	9753.9	10347.3	10380.7	10489.4
35°	13456.5	13339.5	12955.0	12239.0	11478.4	10781.9	10731.7	11400.4	11411.5	11525.8
37.5°	15303.6	15206.1	14796.5	14094.5	13345.0	12383.9	11918.6	12397.8	12411.7	12523.2
40°	16621.4	16663.2	16381.8	15838.5	15194.9	14144.6	13250.3	13459.3	13375.7	13562.3
42.5°	17752.5	17836.1	17590.9	17317.9	16944.6	16019.6	14899.6	14863.4	14729.7	14830.0
45°	18730.4	18800.1	18580.0	18515.9	18507.5	17858.4	16702.2	16484.9	16298.2	16278.7
47.5°	19089.8	19223.5	19318.3	19532.8	19950.7	19677.7	18566.0	18228.9	18020.0	17866.7
50°	19226.3	19368.4	19691.6	20315.7	21304.7	21421.7	20421.5	20042.6	19786.3	19507.7
52.5°	19042.4	19296.0	19730.6	20780.9	22215.7	22820.3	22201.8	21870.3	21577.7	21123.6
55°	17958.7	18212.2	19100.9	20775.3	22669.8	23801.0	23884.5	23736.9	23408.1	22692.1
57.5°	15674.1	16050.3	17457.2	20067.7	22661.5	24645.1	25533.9	25639.7	25272.0	24246.7
60°	12509.2	13019.1	14735.3	18499.2	21962.2	25102.0	26979.8	27509.2	27119.1	25779.0
62.5°	8728.6	9319.2	10943.5	16041.9	20363.0	24773.3	28035.7	29013.6	28718.3	27149.8
65°	5324.1	5513.5	6823.0	12623.5	17643.9	23397.0	28361.7	29827.1	29729.6	27988.3
67.5°	3546.6	3705.4	4081.5	8656.2	13696.1	20647.2	27581.6	29685.0	29712.9	27851.8
70°	2136.9	2273.4	2518.6	5034.3	8876.3	16342.8	25166.1	27874.1	28035.7	26027.0
72.5°	880.4	972.3	1195.2	2281.7	4596.9	10372.3	20039.8	23931.9	24308.0	21884.2
75°	498.7	546.1	702.1	1145.1	1994.8	4833.7	12138.7	16989.1	17543.6	15083.5
77.5°	331.5	353.8	454.1	741.1	1122.8	1649.3	5187.6	8851.2	9909.9	8238.3
80°	222.9	242.4	312.0	495.9	729.9	707.6	1652.1	3279.1	4034.2	2830.6
82.5°	150.4	153.2	222.9	326.0	462.5	342.7	487.6	1019.7	1281.6	819.1
85°	86.4	83.6	164.4	189.4	206.2	142.1	147.7	306.5	401.2	345.5
87.5°	11.1	16.7	64.1	50.1	27.9	30.6	30.6	52.9	78.0	83.6
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°
4833.7	0°	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7	4833.7
4839.3	2.5°	4839.3	4836.5	4828.2	4819.8	4800.3	4789.2	4794.7	4789.2	4786.4	4789.2
4875.5	5°	4875.5	4867.2	4844.9	4817.0	4778.0	4730.7	4700.0	4655.4	4613.6	4588.6
4973.0	7.5°	4973.0	4964.7	4934.0	4856.0	4730.7	4532.9	4351.8	4193.0	4073.2	4003.5
5129.1	10°	5129.1	5115.1	5067.8	4895.0	4566.3	4134.5	3775.1	3477.0	3281.9	3190.0
5312.9	12.5°	5312.9	5296.2	5212.6	4858.8	4254.3	3580.0	3084.1	2752.6	2571.5	2490.7
5524.7	15°	5530.2	5508.0	5343.6	4686.1	3800.1	2967.1	2513.0	2265.0	2148.0	2075.6
5794.9	17.5°	5800.5	5761.5	5441.1	4427.0	3307.0	2499.1	2162.0	1975.3	1872.2	1802.6
6148.7	20°	6151.5	6087.5	5519.1	4117.7	2852.9	2203.7	1925.1	1769.1	1691.1	1629.8
6650.2	22.5°	6641.9	6549.9	5613.8	3783.4	2532.5	2000.4	1749.6	1635.4	1571.3	1501.7
7349.5	25°	7249.2	7140.6	5730.8	3474.2	2312.4	1824.8	1621.5	1526.7	1451.5	1370.7
8266.1	27.5°	8099.0	7903.9	5870.1	3220.6	2122.9	1674.4	1504.5	1398.6	1312.2	1245.4
9305.3	30°	9046.2	8725.8	5992.7	3067.4	1950.2	1535.1	1351.2	1245.4	1164.6	1117.2
10238.6	32.5°	9943.3	9508.7	6073.5	3000.5	1794.2	1376.3	1184.1	1069.8	1008.5	994.6
11152.4	35°	10790.3	10216.3	6065.2	2936.5	1654.9	1217.5	1019.7	902.7	855.3	863.7
12135.9	37.5°	11765.4	10971.3	6006.7	2836.2	1540.7	1072.6	877.6	774.5	732.7	735.5
13331.1	40°	12899.3	11843.4	5970.4	2646.7	1415.3	938.9	760.6	677.0	646.4	635.2
14590.4	42.5°	14108.4	12687.5	5976.0	2432.2	1259.3	819.1	679.8	610.1	582.3	573.9
15991.7	45°	15323.1	13492.7	5984.4	2209.3	1094.9	727.2	621.3	562.8	546.1	534.9
17412.6	47.5°	16465.4	14178.1	5828.4	1969.7	933.3	657.5	573.9	534.9	521.0	507.1
18839.1	50°	17529.6	14635.0	5452.2	1691.1	805.2	601.8	537.7	509.8	495.9	482.0
20131.8	52.5°	18357.1	14707.4	4831.0	1404.2	716.0	560.0	515.4	490.3	473.6	459.7
21176.5	55°	18724.8	14253.3	3947.8	1136.7	646.4	523.8	493.1	468.1	448.5	434.6
21998.4	57.5°	18630.1	13297.7	3078.6	913.8	579.5	487.6	465.3	448.5	426.3	404.0
22664.3	60°	18164.8	12018.9	2320.8	760.6	518.2	448.5	434.6	420.7	390.0	356.6
22920.6	62.5°	17359.7	10411.4	1654.9	629.6	451.3	404.0	398.4	387.3	342.7	281.4
22541.7	65°	16128.3	8458.4	1114.4	523.8	387.3	353.8	356.6	337.1	278.6	209.0
21154.2	67.5°	14328.5	6185.0	713.2	429.0	323.2	295.3	298.1	287.0	236.8	178.3
18524.2	70°	12035.6	4095.4	465.3	326.0	259.1	228.5	245.2	248.0	200.6	144.9
14217.1	72.5°	8823.3	2418.3	326.0	242.4	189.4	158.8	200.6	206.2	161.6	108.7
8553.1	75°	5028.8	1147.8	245.2	175.5	117.0	111.4	156.0	156.0	111.4	72.4
3702.6	77.5°	2111.8	479.2	172.7	114.2	66.9	64.1	105.9	97.5	55.7	33.4
902.7	80°	610.1	214.5	91.9	55.7	27.9	25.1	41.8	30.6	13.9	5.6
342.7	82.5°	239.6	94.7	36.2	22.3	11.1	11.1	5.6	0.0	0.0	0.0
195.0	85°	142.1	39.0	16.7	8.4	2.8	0.0	0.0	0.0	0.0	0.0
41.8	87.5°	36.2	8.4	5.6	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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4833.7
4800.3
4594.1
4006.3
3181.6
2482.3
2078.4
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1618.7
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1362.4
1231.4
1108.8
1003.0
863.7
746.7
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571.1
534.9
507.1
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