

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: P850407

Luminaire Tested: **GLAN-SB7D-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850407
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-SB7D-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 36550 lumens
Efficiency: N/A
Efficacy: 71.3 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

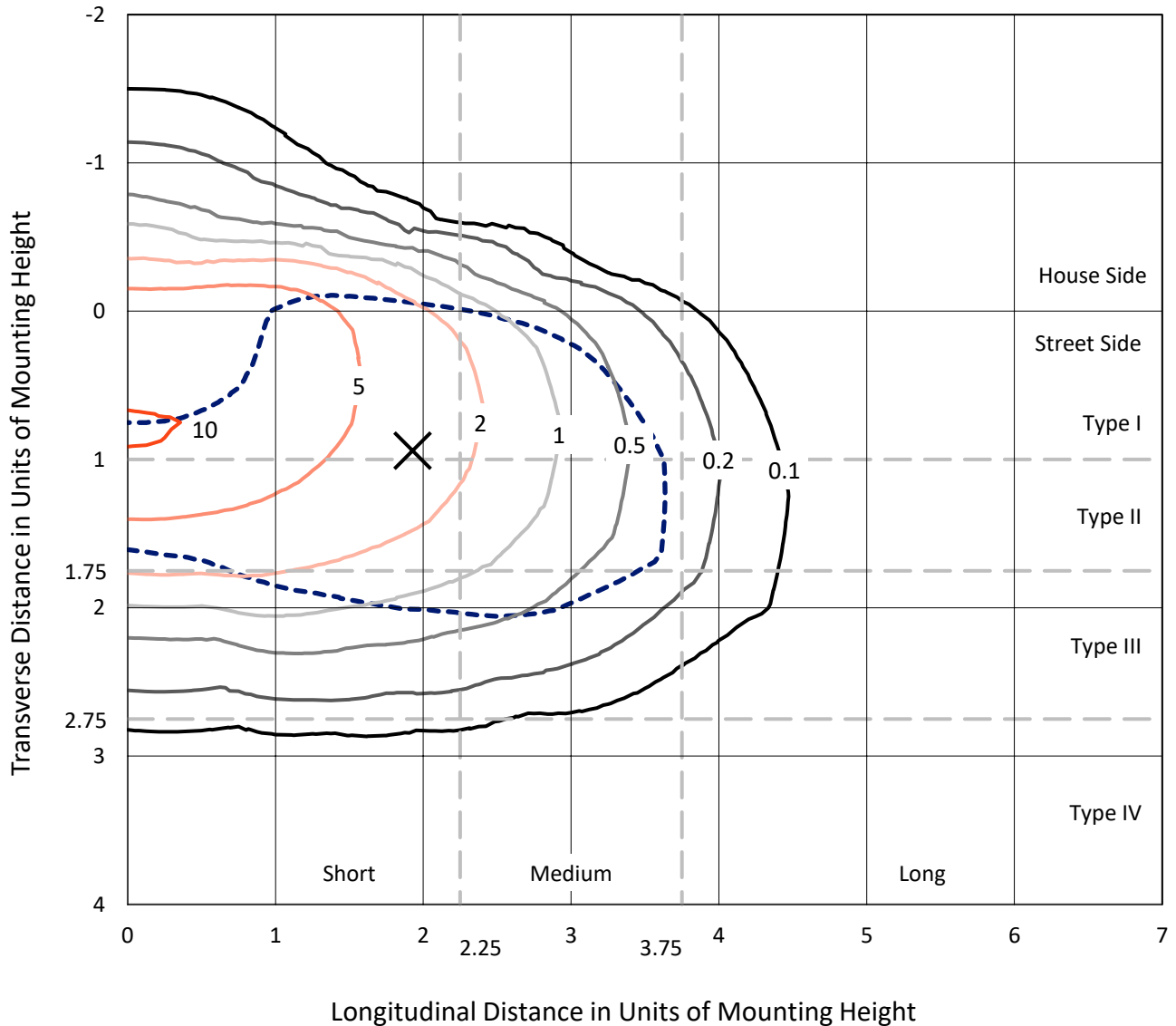
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

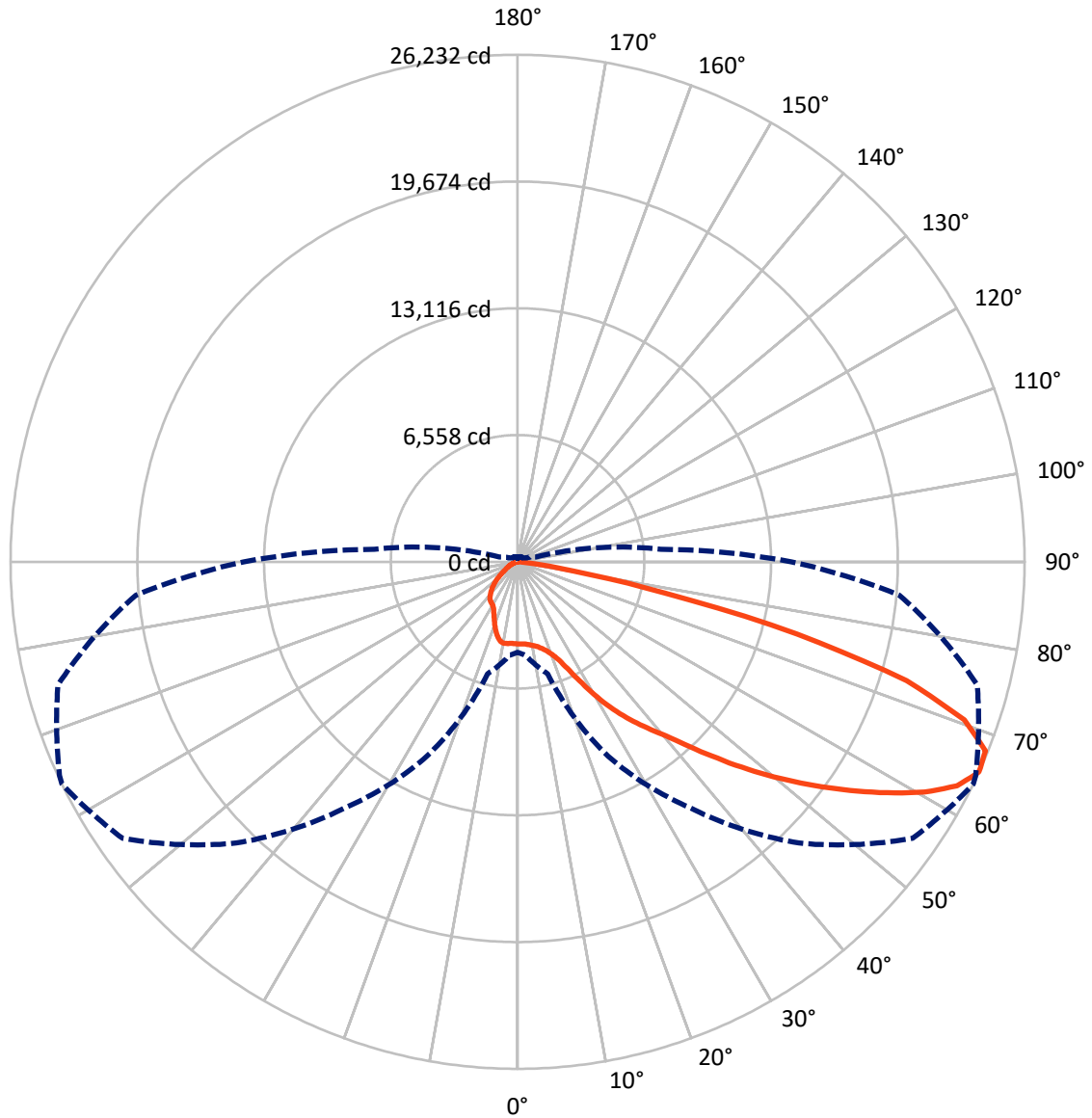
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	4887.8	0.0	4887.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	31662.2	0.0	31662.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	36550.0	0.0	36550.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.2	1.1
10°-20°	1063.8	2.9
20°-30°	2015.8	5.5
30°-40°	4079.0	11.2
40°-50°	6948.6	19.0
50°-60°	9449.6	25.9
60°-70°	8873.6	24.3
70°-80°	3555.2	9.7
80°-90°	172.2	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°	36550.0	100.0
0°-180°	36550.0	100.0

Coefficient of Utilization



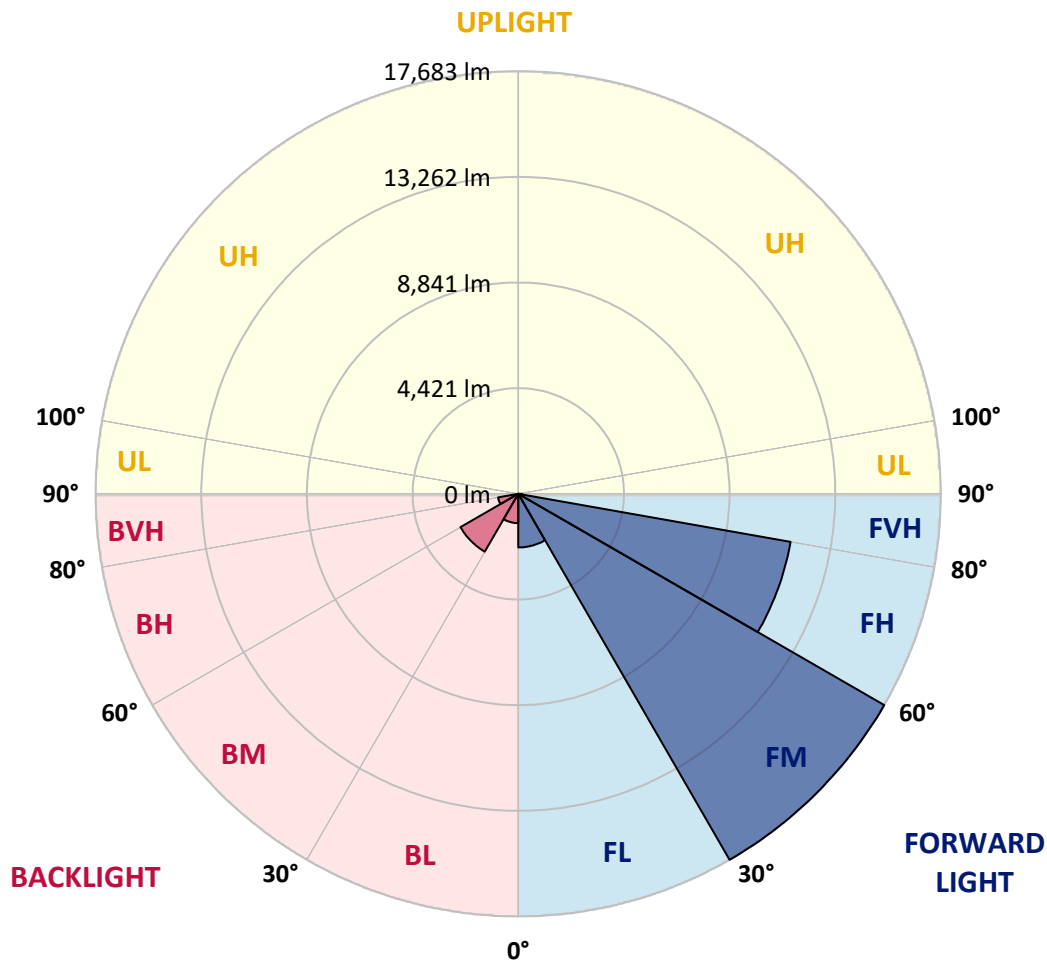
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2244.6	6.1			
FM (30°-60°)	17682.8	48.4			
FH (60°-80°)	11570.9	31.7			G4/12000
FVH (80°-90°)	163.8	0.4			G2/225
BL (0°-30°)	1227.2	3.4	B3/2500		
BM (30°-60°)	2794.3	7.6	B3/5000		
BH (60°-80°)	857.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	8.4	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°	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1
2.5°	4236.4	4265.8	4258.5	4251.1	4248.7	4253.6	4256.0	4253.6	4253.6	4253.6
5°	4155.6	4180.1	4180.1	4197.2	4221.7	4251.1	4273.2	4278.1	4283.0	4290.3
7.5°	4001.2	4020.8	4035.5	4091.9	4153.1	4231.5	4297.7	4332.0	4336.9	4363.9
10°	3895.9	3920.4	3944.9	4003.7	4091.9	4209.5	4322.2	4405.5	4417.8	4481.5
12.5°	3891.0	3915.5	3947.3	4011.0	4113.9	4238.9	4376.1	4496.2	4518.2	4611.3
15°	3942.4	3971.8	4001.2	4079.6	4189.9	4341.8	4488.8	4638.3	4660.3	4792.6
17.5°	4047.8	4087.0	4109.0	4187.4	4305.0	4474.1	4667.7	4839.2	4858.8	5013.2
20°	4256.0	4302.6	4309.9	4373.7	4488.8	4670.1	4900.5	5113.6	5138.1	5314.5
22.5°	4687.3	4753.4	4694.6	4726.5	4829.4	5010.7	5260.6	5530.2	5564.5	5765.4
25°	5446.9	5540.0	5388.1	5334.1	5378.2	5566.9	5880.5	6221.1	6260.3	6422.0
27.5°	6939.0	6819.0	6588.7	6363.2	6230.9	6338.7	6691.6	7113.0	7162.0	7318.8
30°	8578.2	8472.9	8161.7	7661.9	7348.2	7331.1	7657.0	8127.4	8183.8	8333.2
32.5°	10219.9	10119.4	9781.3	9166.3	8622.4	8352.8	8578.2	9100.1	9129.5	9225.1
35°	11834.6	11731.7	11393.6	10763.8	10094.9	9482.4	9438.3	10026.3	10036.1	10136.6
37.5°	13459.1	13373.3	13013.2	12395.7	11736.6	10891.3	10482.1	10903.5	10915.8	11013.8
40°	14618.1	14654.8	14407.3	13929.5	13363.5	12439.8	11653.3	11837.0	11763.5	11927.7
42.5°	15612.8	15686.4	15470.7	15230.6	14902.3	14088.8	13103.8	13072.0	12954.4	13042.6
45°	16472.9	16534.1	16340.6	16284.2	16276.9	15706.0	14689.1	14498.0	14333.8	14316.7
47.5°	16789.0	16906.6	16989.9	17178.5	17546.1	17306.0	16328.3	16031.8	15848.1	15713.3
50°	16909.0	17034.0	17318.2	17867.1	18736.9	18839.8	17960.2	17626.9	17401.5	17156.5
52.5°	16747.3	16970.3	17352.5	18276.2	19538.1	20069.8	19525.9	19234.3	18977.0	18577.6
55°	15794.2	16017.1	16798.8	18271.3	19937.5	20932.3	21005.8	20875.9	20586.8	19957.1
57.5°	13785.0	14115.8	15353.1	17649.0	19930.1	21674.7	22456.3	22549.4	22226.0	21324.3
60°	11001.5	11449.9	12959.3	16269.5	19315.1	22076.5	23728.0	24193.5	23850.5	22672.0
62.5°	7676.6	8196.0	9624.5	14108.4	17908.7	21787.4	24656.6	25516.7	25256.9	23877.5
65°	4682.4	4849.0	6000.6	11102.0	15517.3	20577.0	24943.3	26232.1	26146.4	24615.0
67.5°	3119.1	3258.8	3589.6	7612.9	12045.3	18158.6	24257.3	26107.2	26131.7	24494.9
70°	1879.3	1999.4	2215.0	4427.6	7806.4	14373.0	22132.9	24514.5	24656.6	22890.0
72.5°	774.3	855.1	1051.1	2006.7	4042.9	9122.2	17624.5	21047.5	21378.2	19246.5
75°	438.6	480.2	617.5	1007.0	1754.4	4251.1	10675.6	14941.5	15429.1	13265.5
77.5°	291.6	311.2	399.4	651.8	987.4	1450.5	4562.3	7784.4	8715.5	7245.3
80°	196.0	213.2	274.4	436.1	642.0	622.4	1453.0	2883.9	3547.9	2489.4
82.5°	132.3	134.8	196.0	286.7	406.7	301.4	428.8	896.8	1127.1	720.4
85°	76.0	73.5	144.6	166.6	181.3	125.0	129.9	269.5	352.8	303.8
87.5°	9.8	14.7	56.4	44.1	24.5	27.0	27.0	46.6	68.6	73.5
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°
4251.1	0°	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1	4251.1
4256.0	2.5°	4256.0	4253.6	4246.2	4238.9	4221.7	4211.9	4216.8	4211.9	4209.5	4211.9
4287.9	5°	4287.9	4280.5	4260.9	4236.4	4202.1	4160.5	4133.5	4094.3	4057.6	4035.5
4373.7	7.5°	4373.7	4366.3	4339.4	4270.7	4160.5	3986.5	3827.3	3687.6	3582.2	3521.0
4510.9	10°	4510.9	4498.6	4457.0	4305.0	4015.9	3636.1	3320.1	3057.9	2886.4	2805.5
4672.6	12.5°	4672.6	4657.9	4584.4	4273.2	3741.5	3148.5	2712.4	2420.8	2261.6	2190.5
4858.8	15°	4863.7	4844.1	4699.5	4121.3	3342.1	2609.5	2210.1	1992.0	1889.1	1825.4
5096.5	17.5°	5101.4	5067.1	4785.3	3893.4	2908.4	2197.9	1901.4	1737.2	1646.6	1585.3
5407.7	20°	5410.1	5353.7	4853.9	3621.4	2509.0	1938.1	1693.1	1555.9	1487.3	1433.4
5848.7	22.5°	5841.3	5760.5	4937.2	3327.4	2227.3	1759.3	1538.7	1438.3	1381.9	1320.7
6463.7	25°	6375.5	6279.9	5040.1	3055.4	2033.7	1604.9	1426.0	1342.7	1276.6	1205.5
7269.8	27.5°	7122.8	6951.3	5162.6	2832.5	1867.1	1472.6	1323.1	1230.0	1154.1	1095.3
8183.8	30°	7955.9	7674.1	5270.4	2697.7	1715.2	1350.1	1188.4	1095.3	1024.2	982.5
9004.6	32.5°	8744.9	8362.6	5341.5	2638.9	1577.9	1210.4	1041.3	940.9	887.0	874.7
9808.3	35°	9489.7	8985.0	5334.1	2582.5	1455.4	1070.7	896.8	793.9	752.2	759.6
10673.2	37.5°	10347.3	9649.0	5282.7	2494.3	1355.0	943.3	771.8	681.2	644.4	646.9
11724.3	40°	11344.6	10415.9	5250.8	2327.7	1244.7	825.7	668.9	595.4	568.5	558.7
12831.8	42.5°	12408.0	11158.3	5255.7	2139.0	1107.5	720.4	597.9	536.6	512.1	504.7
14064.3	45°	13476.3	11866.5	5263.1	1943.0	962.9	639.5	546.4	494.9	480.2	470.4
15313.9	47.5°	14480.8	12469.2	5125.9	1732.3	820.8	578.3	504.7	470.4	458.2	445.9
16568.4	50°	15416.8	12871.0	4795.1	1487.3	708.1	529.2	472.9	448.4	436.1	423.9
17705.3	52.5°	16144.5	12934.8	4248.7	1234.9	629.7	492.5	453.3	431.2	416.5	404.3
18624.2	55°	16468.0	12535.4	3472.0	999.7	568.5	460.6	433.7	411.6	394.5	382.2
19347.0	57.5°	16384.7	11694.9	2707.5	803.7	509.6	428.8	409.2	394.5	374.9	355.3
19932.6	60°	15975.5	10570.3	2041.0	668.9	455.7	394.5	382.2	370.0	343.0	313.6
20158.0	62.5°	15267.4	9156.5	1455.4	553.8	396.9	355.3	350.4	340.6	301.4	247.5
19824.8	65°	14184.4	7438.9	980.1	460.6	340.6	311.2	313.6	296.5	245.0	183.8
18604.6	67.5°	12601.5	5439.5	627.3	377.3	284.2	259.7	262.2	252.4	208.3	156.8
16291.6	70°	10585.0	3601.8	409.2	286.7	227.9	200.9	215.6	218.1	176.4	127.4
12503.5	72.5°	7759.9	2126.8	286.7	213.2	166.6	139.7	176.4	181.3	142.1	95.6
7522.2	75°	4422.7	1009.5	215.6	154.4	102.9	98.0	137.2	137.2	98.0	63.7
3256.4	77.5°	1857.3	421.4	151.9	100.5	58.8	56.4	93.1	85.8	49.0	29.4
793.9	80°	536.6	188.7	80.9	49.0	24.5	22.1	36.8	27.0	12.3	4.9
301.4	82.5°	210.7	83.3	31.9	19.6	9.8	9.8	4.9	0.0	0.0	0.0
171.5	85°	125.0	34.3	14.7	7.4	2.5	0.0	0.0	0.0	0.0	0.0
36.8	87.5°	31.9	7.4	4.9	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°
4251.1
4221.7
4040.4
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1580.4
1423.6
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1198.2
1083.0
975.2
882.1
759.6
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470.4
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423.9
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