

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: P849867

Luminaire Tested: **GLAN-SB7A-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849867
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-SB7A-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 350mA 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: 20715 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

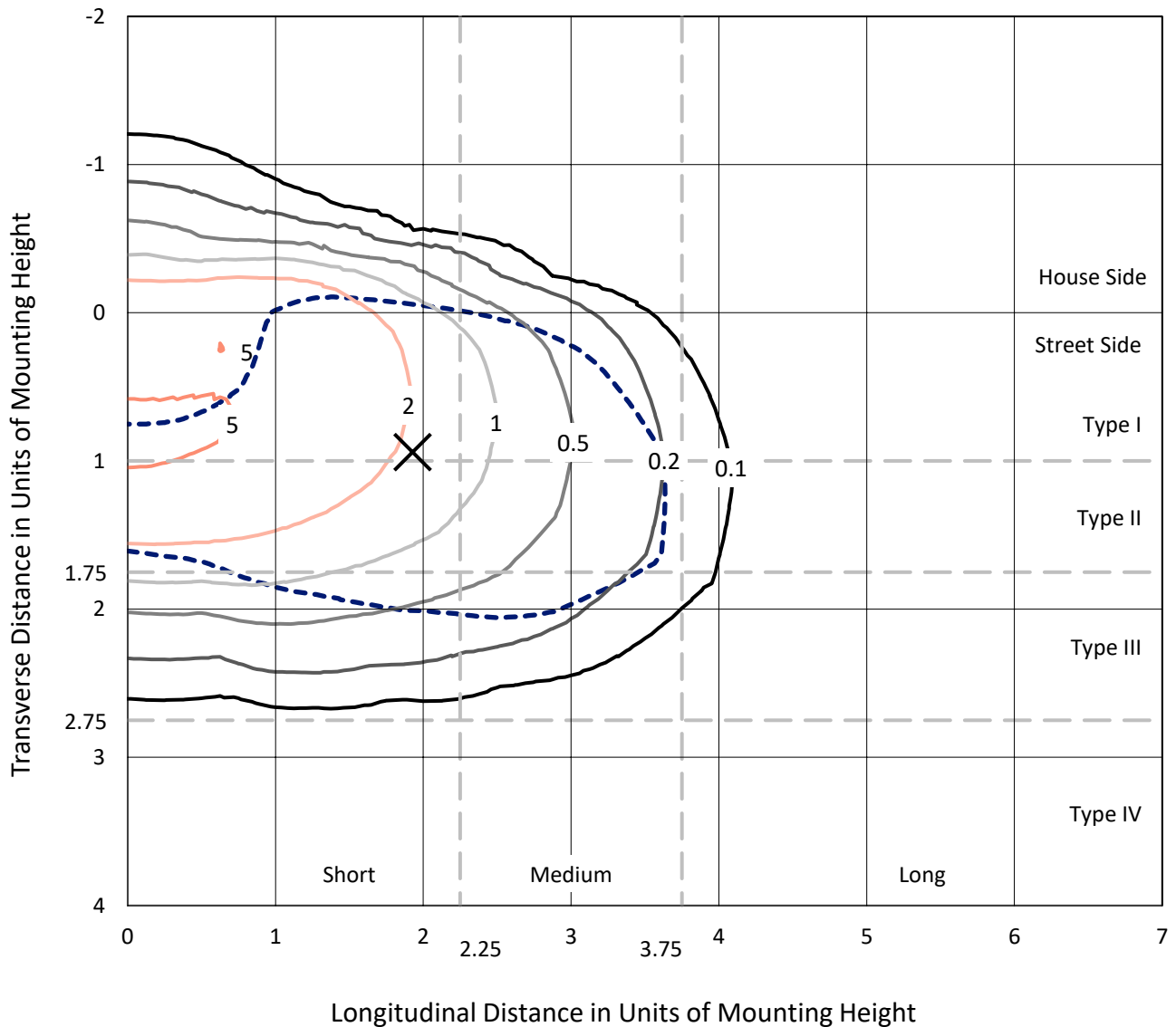
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

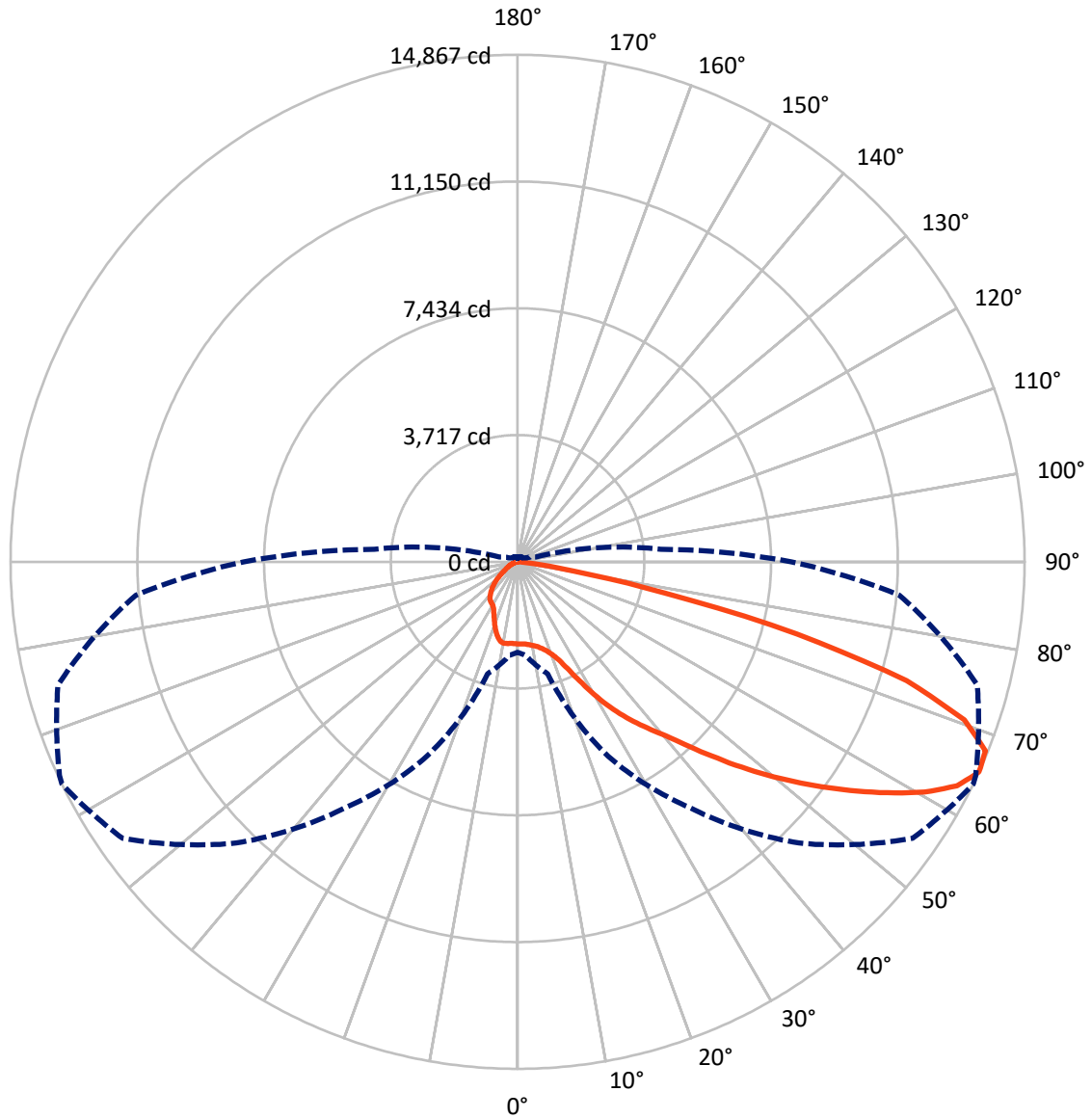
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	2770.2	0.0	2770.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	17944.8	0.0	17944.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	20715.0	0.0	20715.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	1.1
10°-20°	602.9	2.9
20°-30°	1142.5	5.5
30°-40°	2311.8	11.2
40°-50°	3938.2	19.0
50°-60°	5355.6	25.9
60°-70°	5029.2	24.3
70°-80°	2014.9	9.7
80°-90°	97.6	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°	20715.0	100.0
0°-180°	20715.0	100.0

Coefficient of Utilization



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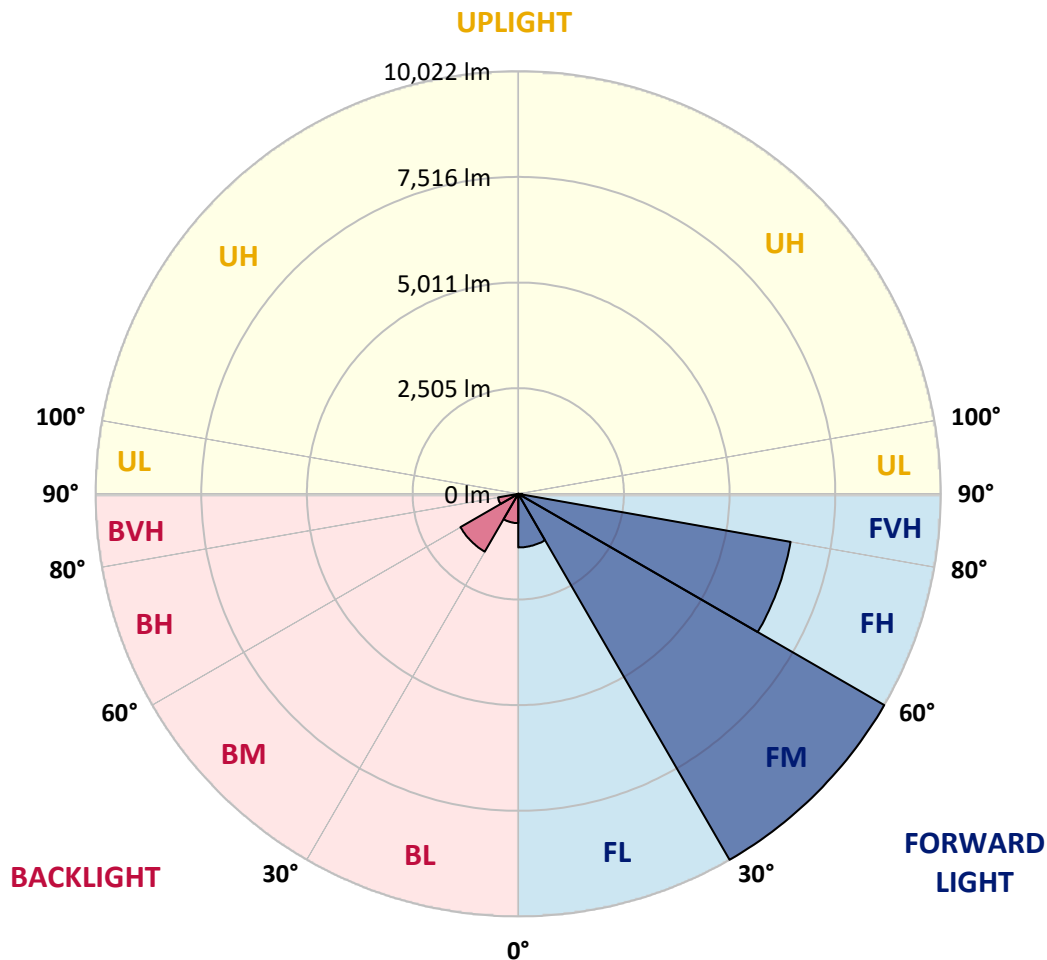
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1272.1	6.1			
FM (30°-60°)	10021.9	48.4			
FH (60°-80°)	6557.9	31.7			G3/7500
FVH (80°-90°)	92.8	0.4			G1/100
BL (0°-30°)	695.5	3.4	B2/1000		
BM (30°-60°)	1583.7	7.6	B2/2500		
BH (60°-80°)	486.2	2.3	B1/500		G1/500
BVH (80°-90°)	4.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2409.4	2409.4	2409.4	2409.4	2409.4	2409.4	2409.4	2409.4	2409.4	2409.4
2.5°	2401.0	2417.7	2413.5	2409.4	2408.0	2410.8	2412.1	2410.8	2410.8	2410.8
5°	2355.2	2369.1	2369.1	2378.8	2392.7	2409.4	2421.9	2424.6	2427.4	2431.6
7.5°	2267.7	2278.8	2287.2	2319.1	2353.8	2398.3	2435.8	2455.2	2458.0	2473.2
10°	2208.0	2221.9	2235.8	2269.1	2319.1	2385.8	2449.6	2496.9	2503.8	2539.9
12.5°	2205.2	2219.1	2237.2	2273.3	2331.6	2402.4	2480.2	2548.2	2560.7	2613.5
15°	2234.4	2251.1	2267.7	2312.2	2374.7	2460.8	2544.1	2628.8	2641.3	2716.3
17.5°	2294.1	2316.3	2328.8	2373.3	2439.9	2535.7	2645.4	2742.7	2753.8	2841.3
20°	2412.1	2438.5	2442.7	2478.8	2544.1	2646.8	2777.4	2898.2	2912.1	3012.1
22.5°	2656.6	2694.1	2660.7	2678.8	2737.1	2839.9	2981.5	3134.3	3153.7	3267.6
25°	3087.0	3139.8	3053.7	3023.2	3048.2	3155.1	3332.8	3525.9	3548.1	3639.7
27.5°	3932.8	3864.7	3734.2	3606.4	3531.4	3592.5	3792.5	4031.4	4059.1	4148.0
30°	4861.8	4802.1	4625.7	4342.4	4164.7	4154.9	4339.6	4606.3	4638.2	4722.9
32.5°	5792.2	5735.3	5543.6	5195.1	4886.8	4734.0	4861.8	5157.6	5174.2	5228.4
35°	6707.4	6649.0	6457.4	6100.5	5721.4	5374.2	5349.2	5682.5	5688.1	5745.0
37.5°	7628.1	7579.4	7375.3	7025.4	6651.8	6172.7	5940.8	6179.7	6186.6	6242.1
40°	8284.9	8305.7	8165.5	7894.7	7573.9	7050.4	6604.6	6708.7	6667.1	6760.1
42.5°	8848.7	8890.4	8768.2	8632.1	8446.0	7984.9	7426.7	7408.6	7342.0	7392.0
45°	9336.1	9370.9	9261.1	9229.2	9225.0	8901.5	8325.2	8216.9	8123.8	8114.1
47.5°	9515.3	9581.9	9629.1	9736.1	9944.4	9808.3	9254.2	9086.2	8982.0	8905.6
50°	9583.3	9654.1	9815.2	10126.3	10619.3	10677.6	10179.1	9990.2	9862.4	9723.6
52.5°	9491.7	9618.0	9834.7	10358.2	11073.4	11374.7	11066.4	10901.2	10755.4	10529.0
55°	8951.5	9077.8	9520.8	10355.4	11299.7	11863.5	11905.2	11831.6	11667.7	11310.8
57.5°	7812.7	8000.2	8701.5	10002.7	11295.6	12284.3	12727.3	12780.1	12596.8	12085.7
60°	6235.2	6489.3	7344.8	9220.9	10947.0	12512.1	13448.0	13711.9	13517.5	12849.5
62.5°	4350.8	4645.2	5454.8	7996.1	10149.9	12348.2	13974.3	14461.8	14314.6	13532.7
65°	2653.8	2748.2	3400.9	6292.1	8794.5	11662.2	14136.8	14867.3	14818.7	13950.7
67.5°	1767.8	1847.0	2034.4	4314.6	6826.8	10291.5	13748.0	14796.4	14810.3	13882.7
70°	1065.1	1133.2	1255.4	2509.4	4424.4	8146.0	12544.0	13893.8	13974.3	12973.1
72.5°	438.8	484.7	595.7	1137.3	2291.3	5170.1	9988.8	11928.8	12116.3	10908.1
75°	248.6	272.2	349.9	570.7	994.3	2409.4	6050.5	8468.2	8744.6	7518.3
77.5°	165.3	176.4	226.4	369.4	559.6	822.1	2585.7	4411.9	4939.6	4106.3
80°	111.1	120.8	155.5	247.2	363.8	352.7	823.5	1634.5	2010.8	1410.9
82.5°	75.0	76.4	111.1	162.5	230.5	170.8	243.0	508.3	638.8	408.3
85°	43.0	41.7	81.9	94.4	102.8	70.8	73.6	152.8	200.0	172.2
87.5°	5.6	8.3	31.9	25.0	13.9	15.3	15.3	26.4	38.9	41.7
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°
2409.4	0°	2409.4	2409.4	2409.4	2409.4	2409.4	2409.4	2409.4	2409.4	2409.4	2409.4
2412.1	2.5°	2412.1	2410.8	2406.6	2402.4	2392.7	2387.2	2389.9	2387.2	2385.8	2387.2
2430.2	5°	2430.2	2426.0	2414.9	2401.0	2381.6	2358.0	2342.7	2320.5	2299.7	2287.2
2478.8	7.5°	2478.8	2474.6	2459.4	2420.5	2358.0	2259.4	2169.1	2090.0	2030.3	1995.5
2556.6	10°	2556.6	2549.6	2526.0	2439.9	2276.1	2060.8	1881.7	1733.1	1635.9	1590.0
2648.2	12.5°	2648.2	2639.9	2598.2	2421.9	2120.5	1784.5	1537.3	1372.0	1281.8	1241.5
2753.8	15°	2756.5	2745.4	2663.5	2335.8	1894.2	1479.0	1252.6	1129.0	1070.7	1034.6
2888.5	17.5°	2891.2	2871.8	2712.1	2206.6	1648.4	1245.7	1077.6	984.6	933.2	898.5
3064.8	20°	3066.2	3034.3	2751.0	2052.5	1422.0	1098.5	959.6	881.8	842.9	812.4
3314.8	22.5°	3310.6	3264.8	2798.2	1885.8	1262.3	997.1	872.1	815.2	783.2	748.5
3663.4	25°	3613.4	3559.2	2856.5	1731.7	1152.6	909.6	808.2	761.0	723.5	683.2
4120.2	27.5°	4036.9	3939.7	2926.0	1605.3	1058.2	834.6	749.9	697.1	654.1	620.7
4638.2	30°	4509.1	4349.4	2987.1	1528.9	972.1	765.2	673.5	620.7	580.5	556.9
5103.4	32.5°	4956.2	4739.6	3027.3	1495.6	894.3	686.0	590.2	533.3	502.7	495.8
5558.9	35°	5378.4	5092.3	3023.2	1463.7	824.9	606.9	508.3	449.9	426.3	430.5
6049.1	37.5°	5864.4	5468.6	2994.0	1413.7	767.9	534.6	437.4	386.1	365.2	366.6
6644.9	40°	6429.6	5903.3	2976.0	1319.3	705.5	468.0	379.1	337.5	322.2	316.6
7272.5	42.5°	7032.3	6324.1	2978.7	1212.3	627.7	408.3	338.8	304.1	290.2	286.1
7971.1	45°	7637.8	6725.4	2982.9	1101.2	545.8	362.4	309.7	280.5	272.2	266.6
8679.3	47.5°	8207.1	7067.0	2905.1	981.8	465.2	327.7	286.1	266.6	259.7	252.7
9390.3	50°	8737.6	7294.8	2717.7	842.9	401.3	300.0	268.0	254.1	247.2	240.2
10034.6	52.5°	9150.0	7330.9	2408.0	699.9	356.9	279.1	256.9	244.4	236.1	229.1
10555.4	55°	9333.4	7104.5	1967.8	566.6	322.2	261.1	245.8	233.3	223.6	216.6
10965.1	57.5°	9286.1	6628.2	1534.5	455.5	288.8	243.0	231.9	223.6	212.5	201.4
11297.0	60°	9054.2	5990.8	1156.8	379.1	258.3	223.6	216.6	209.7	194.4	177.8
11424.7	62.5°	8652.9	5189.5	824.9	313.8	225.0	201.4	198.6	193.0	170.8	140.3
11235.9	65°	8039.1	4216.0	555.5	261.1	193.0	176.4	177.8	168.0	138.9	104.2
10544.3	67.5°	7142.0	3082.9	355.5	213.9	161.1	147.2	148.6	143.0	118.0	88.9
9233.4	70°	5999.1	2041.4	231.9	162.5	129.1	113.9	122.2	123.6	100.0	72.2
7086.5	72.5°	4398.0	1205.4	162.5	120.8	94.4	79.2	100.0	102.8	80.5	54.2
4263.3	75°	2506.6	572.1	122.2	87.5	58.3	55.5	77.8	77.8	55.5	36.1
1845.6	77.5°	1052.6	238.9	86.1	56.9	33.3	31.9	52.8	48.6	27.8	16.7
449.9	80°	304.1	106.9	45.8	27.8	13.9	12.5	20.8	15.3	6.9	2.8
170.8	82.5°	119.4	47.2	18.1	11.1	5.6	5.6	2.8	0.0	0.0	0.0
97.2	85°	70.8	19.4	8.3	4.2	1.4	0.0	0.0	0.0	0.0	0.0
20.8	87.5°	18.1	4.2	2.8	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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