

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: P852864

Luminaire Tested: **GLAN-SB7A-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18888 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

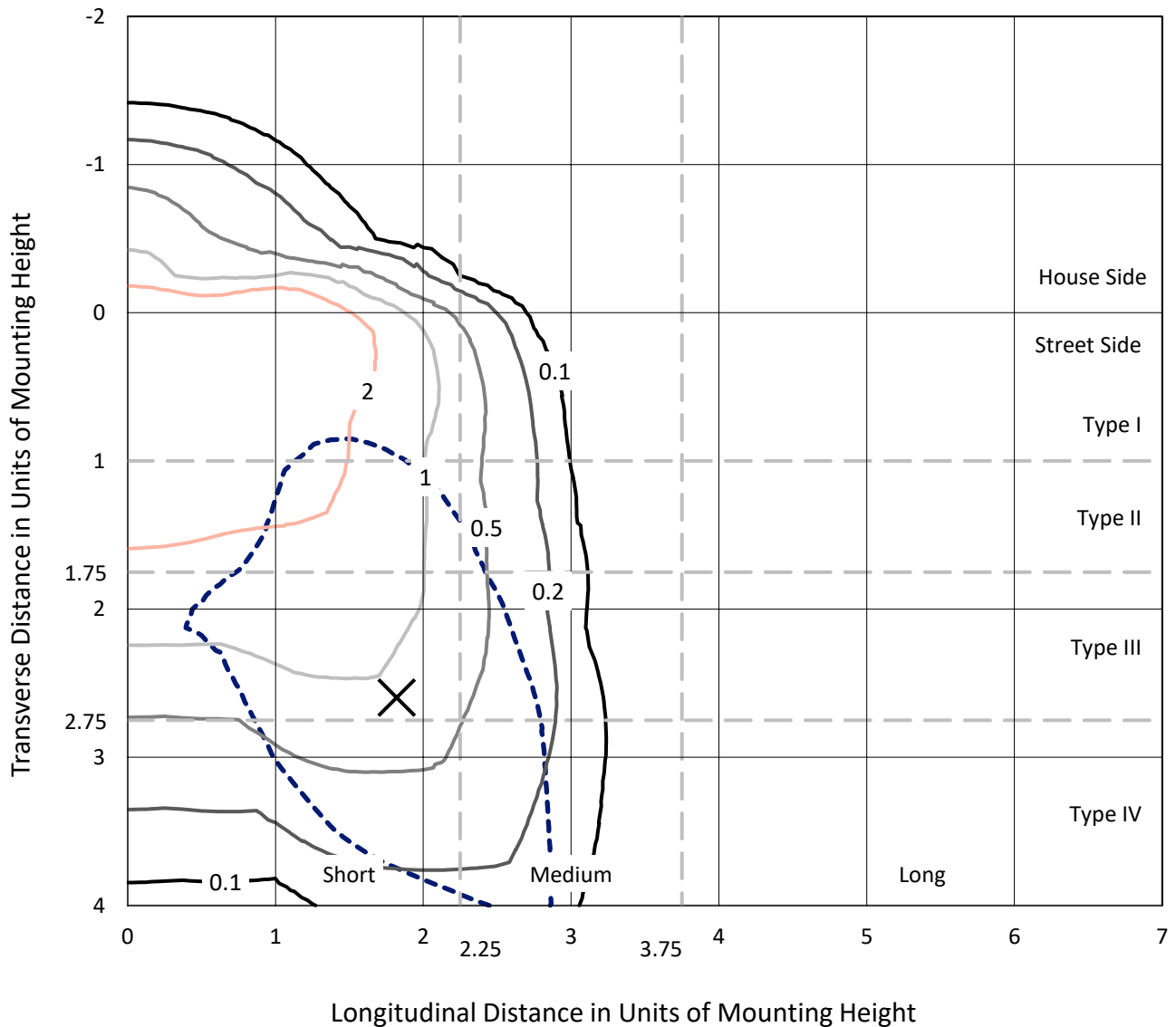
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

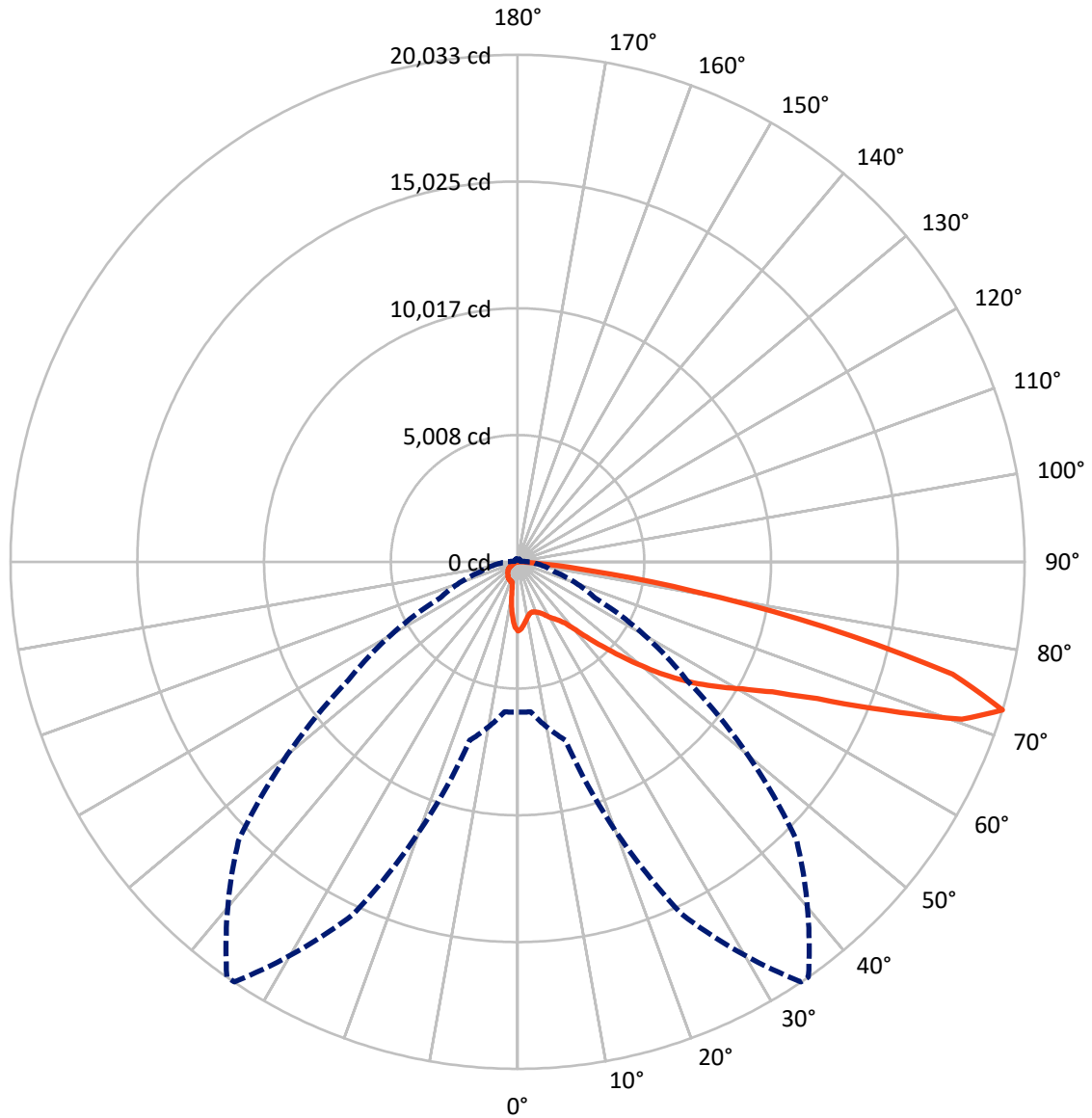
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2125.8	0.0	2125.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	16762.2	0.0	16762.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	18888.0	0.0	18888.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.9	1.2
10°-20°	526.2	2.8
20°-30°	854.9	4.5
30°-40°	1426.3	7.6
40°-50°	2698.7	14.3
50°-60°	4288.2	22.7
60°-70°	5304.8	28.1
70°-80°	3297.5	17.5
80°-90°	266.5	1.4
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°	18888.0	100.0
0°-180°	18888.0	100.0

Coefficient of Utilization

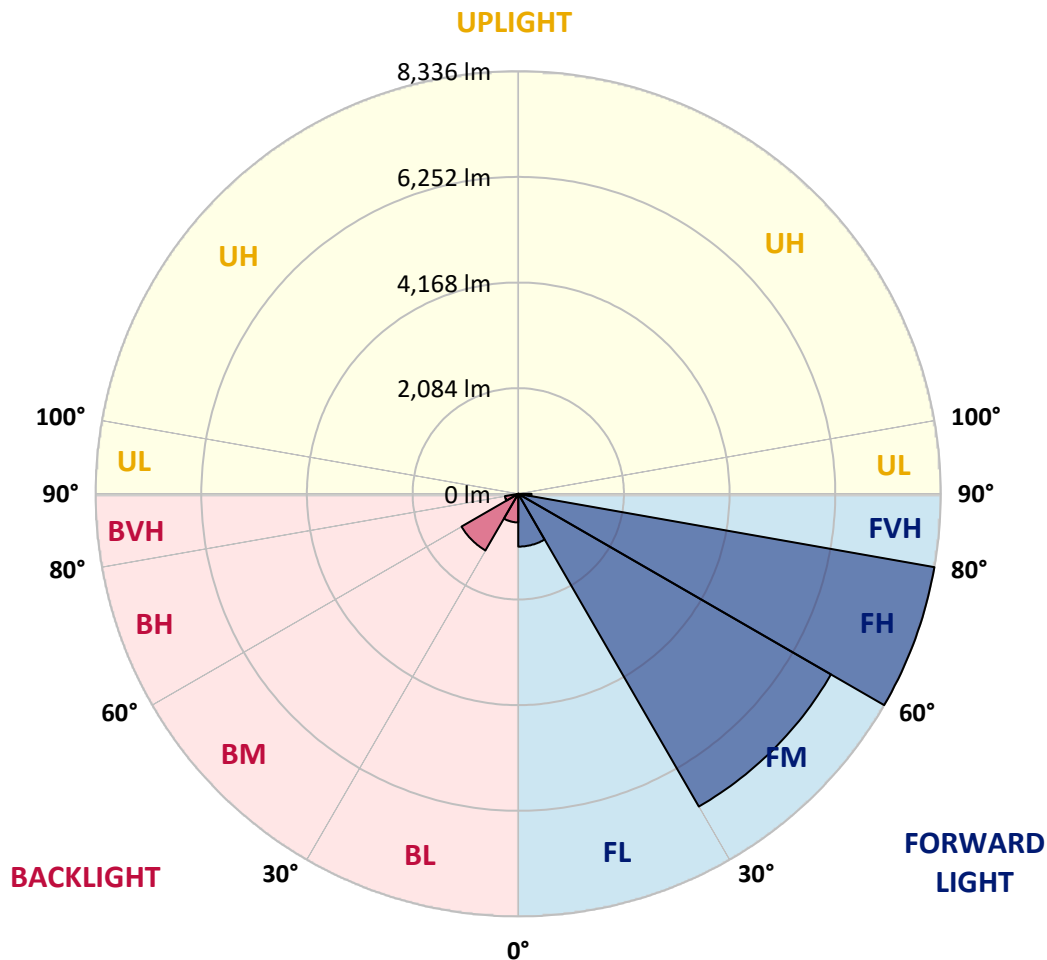


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1041.2	5.5			
FM	(30°-60°)	7122.7	37.7			
FH	(60°-80°)	8335.5	44.1			G4/12000
FVH	(80°-90°)	262.9	1.4			G3/500
BL	(0°-30°)	564.9	3.0	B2/1000		
BM	(30°-60°)	1290.5	6.8	B2/2500		
BH	(60°-80°)	266.7	1.4	B1/500		G1/500
BVH	(80°-90°)	3.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5
2.5°	2615.7	2637.9	2642.0	2648.9	2648.9	2657.2	2671.1	2690.4	2722.3	2738.9
5°	2410.9	2427.5	2448.3	2464.9	2496.7	2500.8	2554.8	2607.4	2680.8	2736.1
7.5°	2204.7	2224.0	2251.7	2291.9	2333.4	2345.8	2427.5	2516.1	2632.3	2736.1
10°	2059.4	2060.7	2085.7	2125.8	2192.2	2207.4	2307.1	2433.0	2578.3	2719.5
12.5°	1977.7	1987.4	1998.5	2028.9	2092.6	2102.3	2208.8	2356.9	2524.4	2709.8
15°	1977.7	1984.6	1991.5	2006.8	2058.0	2066.3	2160.4	2308.5	2496.7	2714.0
17.5°	1998.5	2009.5	2004.0	2022.0	2076.0	2081.5	2164.5	2294.6	2495.3	2740.3
20°	2048.3	2056.6	2045.5	2056.6	2110.6	2121.6	2207.4	2320.9	2518.8	2785.9
22.5°	2127.2	2131.3	2105.0	2113.3	2168.7	2182.5	2282.2	2395.7	2575.6	2859.3
25°	2226.8	2235.1	2195.0	2204.7	2257.3	2273.9	2388.7	2507.8	2665.5	2960.3
27.5°	2341.7	2345.8	2311.2	2309.9	2377.7	2401.2	2517.5	2646.2	2785.9	3087.7
30°	2473.2	2485.6	2452.4	2446.9	2532.7	2552.1	2666.9	2816.4	2963.1	3278.6
32.5°	2577.0	2586.7	2567.3	2581.1	2668.3	2683.5	2848.2	3057.2	3241.3	3549.9
35°	2726.4	2732.0	2687.7	2712.6	2812.2	2851.0	3096.0	3394.9	3591.4	3890.4
37.5°	3267.6	3267.6	3079.3	2956.2	3051.7	3086.3	3435.0	3819.8	4023.2	4347.1
40°	4016.3	4003.8	3728.4	3476.5	3464.1	3531.9	3918.0	4355.4	4581.0	4895.1
42.5°	4814.9	4795.5	4420.4	4171.3	4129.8	4153.3	4475.8	5015.5	5245.3	5563.6
45°	5523.4	5517.9	5174.7	4839.8	4765.0	4839.8	5171.9	5787.8	5952.5	6287.4
47.5°	6117.2	6117.2	5866.7	5648.0	5609.3	5653.5	6114.4	6644.5	6629.2	7058.3
50°	6800.9	6795.3	6557.3	6463.2	6503.3	6565.6	7199.4	7546.8	7329.5	7815.3
52.5°	7279.7	7312.9	7231.3	7216.1	7420.9	7528.8	8301.1	8429.8	7956.5	8533.6
55°	7658.9	7697.7	7791.8	7898.4	8292.8	8433.9	9368.1	9267.1	8481.0	9156.4
57.5°	8195.9	8140.5	8285.9	8496.2	9134.2	9304.5	10402.0	10057.4	8903.1	9661.5
60°	8847.8	8856.1	8881.0	9146.7	9974.3	10193.0	11420.6	10804.7	9174.4	9971.5
62.5°	9631.1	9643.5	9694.8	10103.0	11102.3	11308.5	12505.6	11416.4	9298.9	9884.4
65°	9577.1	9629.7	10201.3	11597.7	12817.0	13020.4	13771.9	11845.5	9110.7	9087.2
67.5°	8724.6	8810.4	9766.7	13383.0	15402.3	15629.2	15302.6	11929.9	8298.3	7066.6
70°	7606.3	7636.8	8786.9	14988.5	18395.8	18625.5	16672.8	11001.2	6297.1	3941.6
72.5°	5940.0	5946.9	7296.3	15360.7	20020.6	20033.1	15597.4	8166.8	3386.6	1514.1
75°	4243.3	4201.8	4886.8	12457.2	17613.9	17755.0	11693.2	3830.8	1294.0	715.5
77.5°	2275.3	2320.9	2765.2	7387.7	12167.9	12408.7	6380.1	1104.4	658.8	487.2
80°	703.1	741.8	1133.5	3382.4	6892.2	7037.5	2365.2	491.3	459.5	347.4
82.5°	221.4	229.7	528.7	1421.3	2860.7	2927.1	685.1	278.2	314.2	229.7
85°	63.7	65.0	235.3	530.1	707.2	721.1	192.4	108.0	179.9	142.5
87.5°	6.9	22.1	88.6	88.6	62.3	60.9	20.8	23.5	51.2	18.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2737.5	0°	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5	2737.5
2750.0	2.5°	2743.0	2744.4	2726.4	2696.0	2662.8	2635.1	2600.5	2572.8	2553.4	2547.9
2774.9	5°	2762.4	2752.7	2701.5	2608.8	2498.1	2402.6	2296.0	2211.6	2156.2	2132.7
2801.2	7.5°	2791.5	2763.8	2651.7	2469.0	2257.3	2069.0	1878.1	1730.0	1635.9	1588.8
2826.1	10°	2816.4	2761.0	2568.7	2267.0	1943.1	1658.0	1400.6	1222.1	1122.4	1075.3
2855.1	12.5°	2839.9	2759.6	2460.7	2027.5	1588.8	1240.0	1000.6	912.0	884.4	874.7
2902.2	15°	2884.2	2763.8	2325.1	1753.5	1235.9	937.0	849.8	848.4	853.9	851.1
2974.2	17.5°	2945.1	2768.0	2171.5	1462.9	953.6	826.2	822.1	834.5	842.8	838.7
3064.1	20°	3024.0	2784.6	2008.1	1175.0	819.3	798.6	808.2	819.3	826.2	819.3
3184.5	22.5°	3134.7	2813.6	1829.6	943.9	776.4	781.9	790.3	802.7	809.6	799.9
3338.2	25°	3270.3	2859.3	1653.9	820.7	755.7	762.6	775.0	788.9	797.2	787.5
3531.9	27.5°	3446.1	2932.6	1491.9	793.0	734.9	739.0	757.0	777.8	788.9	776.4
3807.3	30°	3700.8	3053.1	1352.1	805.5	722.4	712.7	737.7	766.7	779.2	768.1
4182.4	32.5°	4038.4	3223.3	1266.3	824.8	716.9	682.3	705.8	743.2	764.0	757.0
4672.3	35°	4481.3	3482.1	1233.1	847.0	712.7	650.5	667.1	707.2	743.2	750.1
5289.6	37.5°	5018.3	3841.9	1242.8	856.7	700.3	624.2	632.5	667.1	714.1	736.3
5984.3	40°	5628.6	4261.3	1298.2	847.0	686.5	602.0	603.4	629.7	671.2	704.4
6731.7	42.5°	6258.3	4751.2	1400.6	811.0	674.0	582.7	578.5	596.5	624.2	647.7
7477.6	45°	6857.6	5255.0	1501.6	761.2	658.8	563.3	553.6	560.5	566.0	575.7
8204.2	47.5°	7380.7	5609.3	1472.6	715.5	638.0	541.1	524.5	521.8	505.2	503.8
8853.3	50°	7742.0	5686.8	1307.9	669.8	607.6	516.2	489.9	473.3	444.3	430.4
9339.1	52.5°	7856.8	5380.9	1068.4	624.2	557.7	483.0	445.6	419.3	383.4	370.9
9618.6	55°	7704.6	4781.6	853.9	568.8	488.5	438.7	397.2	362.6	333.5	318.3
9649.1	57.5°	7332.3	4019.1	675.4	503.8	415.2	388.9	347.4	312.8	287.9	272.6
9311.4	60°	6715.1	3191.4	534.2	426.3	354.3	334.9	292.0	269.9	247.7	229.7
8439.5	62.5°	5778.1	2278.0	419.3	337.7	296.2	274.0	249.1	232.5	206.2	181.3
6871.4	65°	4509.0	1393.7	323.9	247.7	238.0	227.0	211.7	196.5	164.7	139.8
4482.7	67.5°	2844.1	660.2	231.1	186.8	188.2	182.7	175.8	163.3	139.8	117.6
2008.1	70°	1252.5	319.7	152.2	142.5	139.8	139.8	145.3	141.2	119.0	98.3
697.5	72.5°	426.3	171.6	113.5	108.0	101.0	99.6	121.8	117.6	95.5	76.1
347.4	75°	222.8	114.9	83.0	77.5	60.9	73.4	96.9	91.3	67.8	49.8
229.7	77.5°	145.3	81.7	56.7	49.8	34.6	48.4	72.0	63.7	40.1	24.9
150.9	80°	91.3	54.0	33.2	23.5	16.6	26.3	38.8	27.7	15.2	5.5
88.6	82.5°	48.4	27.7	12.5	8.3	6.9	8.3	9.7	6.9	2.8	0.0
45.7	85°	19.4	9.7	4.2	2.8	1.4	0.0	2.8	1.4	0.0	0.0
8.3	87.5°	6.9	1.4	0.0	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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2737.5
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