

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: P850457

Luminaire Tested: **GLAN-SB8A-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850457
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-SB8A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 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: 22245 lumens
Efficiency: N/A
Efficacy: 98.0 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

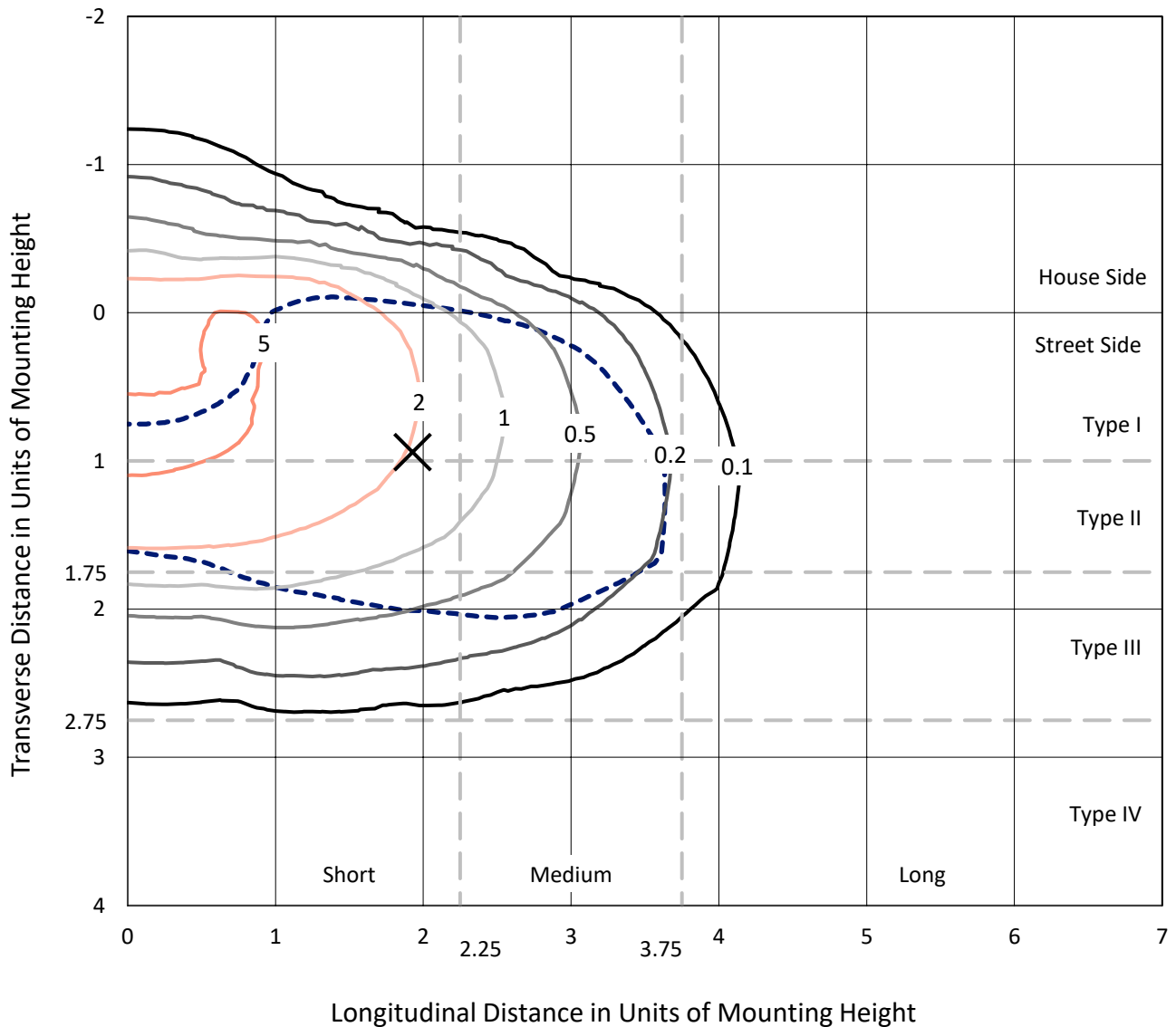
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

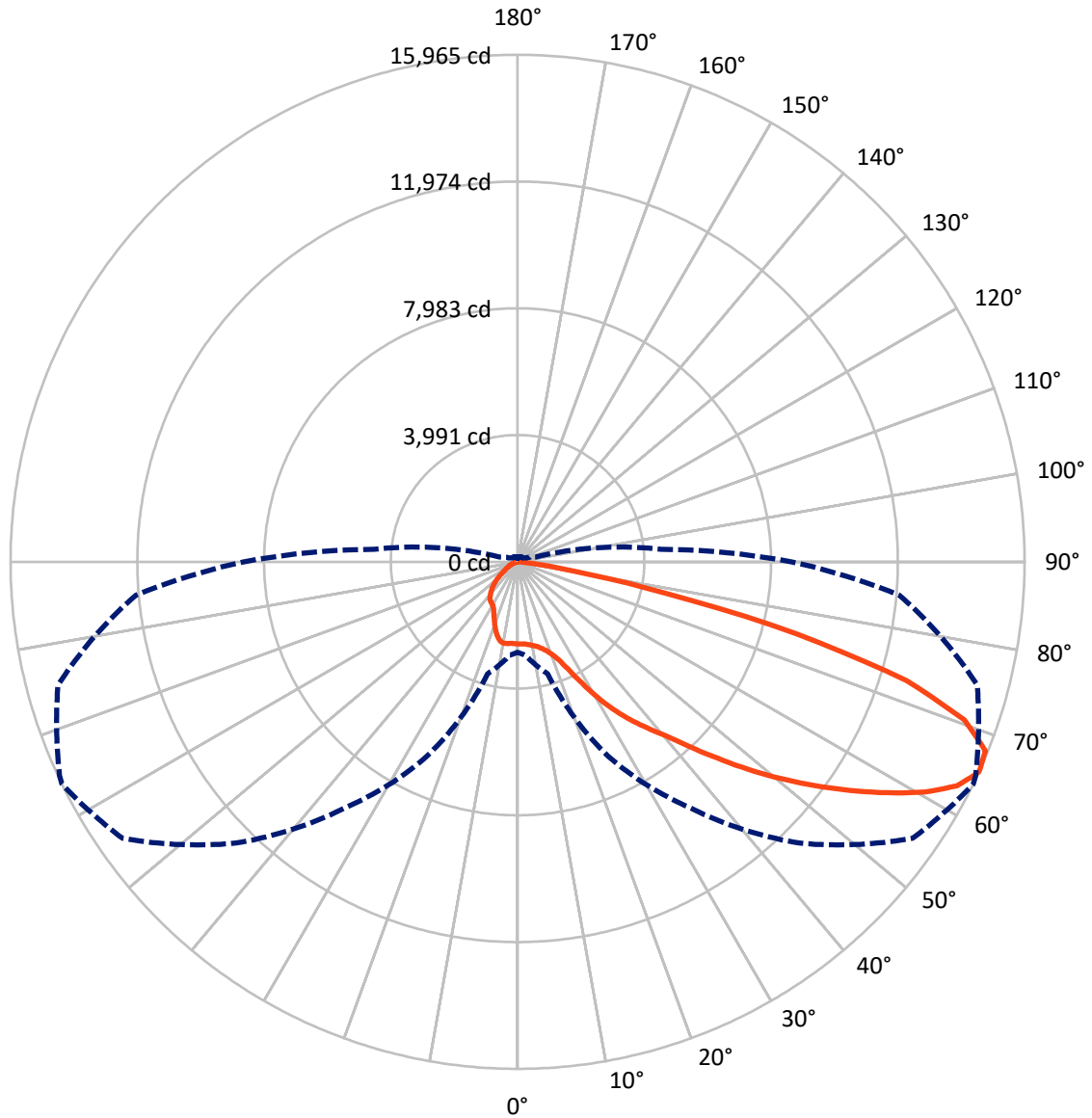
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	2974.8	0.0	2974.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	19270.2	0.0	19270.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	22245.0	0.0	22245.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.7	1.1
10°-20°	647.4	2.9
20°-30°	1226.8	5.5
30°-40°	2482.6	11.2
40°-50°	4229.1	19.0
50°-60°	5751.2	25.9
60°-70°	5400.7	24.3
70°-80°	2163.7	9.7
80°-90°	104.8	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°	22245.0	100.0
0°-180°	22245.0	100.0

Coefficient of Utilization



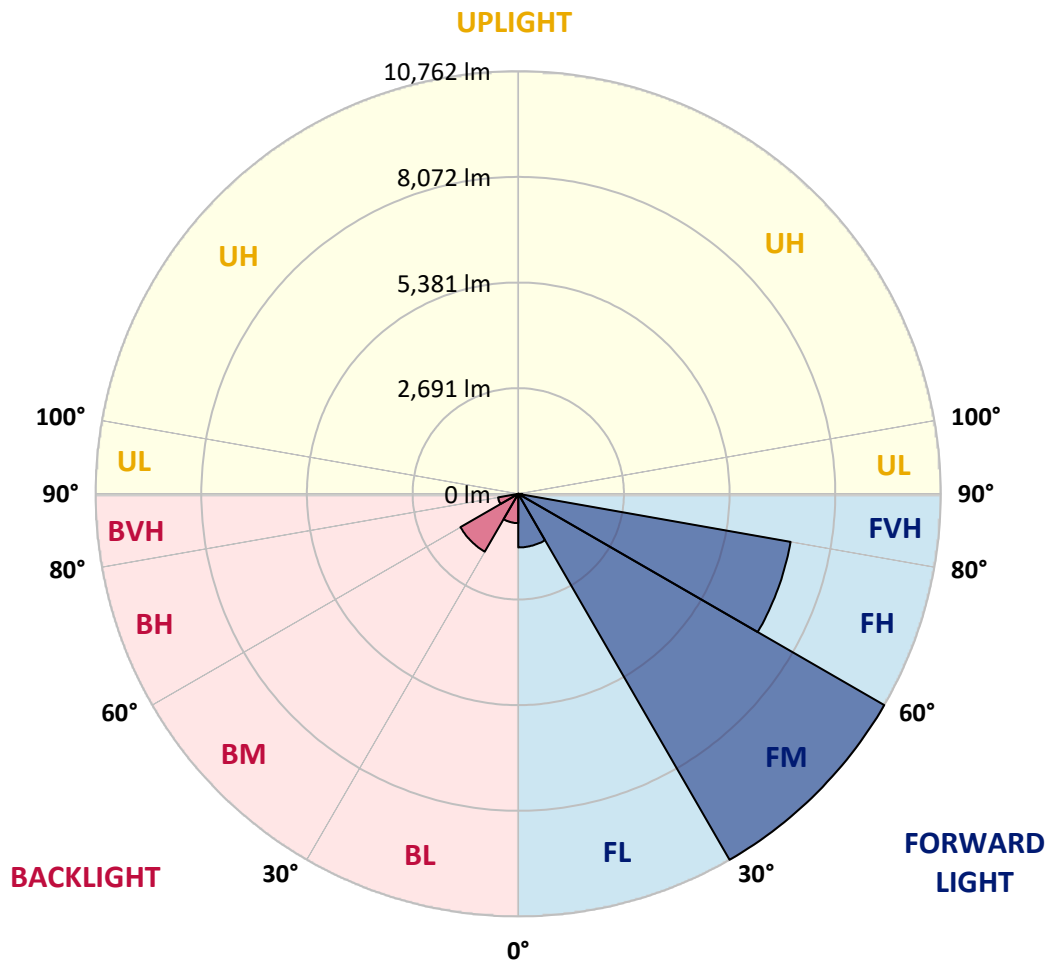
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1366.1	6.1			
FM (30°-60°)	10762.1	48.4			
FH (60°-80°)	7042.3	31.7			G3/7500
FVH (80°-90°)	99.7	0.4			G1/100
BL (0°-30°)	746.9	3.4	B2/1000		
BM (30°-60°)	1700.7	7.6	B2/2500		
BH (60°-80°)	522.1	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.1	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°	2587.3	2587.3	2587.3	2587.3	2587.3	2587.3	2587.3	2587.3	2587.3	2587.3
2.5°	2578.4	2596.3	2591.8	2587.3	2585.8	2588.8	2590.3	2588.8	2588.8	2588.8
5°	2529.2	2544.1	2544.1	2554.5	2569.4	2587.3	2600.7	2603.7	2606.7	2611.2
7.5°	2435.2	2447.1	2456.1	2490.4	2527.7	2575.4	2615.7	2636.5	2639.5	2655.9
10°	2371.1	2386.0	2400.9	2436.7	2490.4	2562.0	2630.6	2681.3	2688.7	2727.5
12.5°	2368.1	2383.0	2402.4	2441.2	2503.8	2579.9	2663.4	2736.4	2749.9	2806.5
15°	2399.4	2417.3	2435.2	2482.9	2550.0	2642.5	2732.0	2822.9	2836.4	2916.9
17.5°	2463.6	2487.4	2500.8	2548.6	2620.1	2723.0	2840.8	2945.2	2957.2	3051.1
20°	2590.3	2618.6	2623.1	2661.9	2732.0	2842.3	2982.5	3112.2	3127.2	3234.5
22.5°	2852.8	2893.0	2857.2	2876.6	2939.3	3049.6	3201.7	3365.8	3386.6	3508.9
25°	3315.1	3371.7	3279.3	3246.5	3273.3	3388.1	3579.0	3786.3	3810.2	3908.6
27.5°	4223.2	4150.2	4010.0	3872.8	3792.3	3857.9	4072.6	4329.1	4358.9	4454.4
30°	5220.9	5156.8	4967.4	4663.1	4472.3	4461.8	4660.2	4946.5	4980.8	5071.8
32.5°	6220.0	6158.9	5953.1	5578.8	5247.7	5083.7	5220.9	5538.5	5556.4	5614.6
35°	7202.8	7140.1	6934.3	6551.1	6144.0	5771.2	5744.3	6102.2	6108.2	6169.3
37.5°	8191.5	8139.3	7920.0	7544.3	7143.1	6628.6	6379.6	6636.1	6643.5	6703.2
40°	8896.8	8919.2	8768.6	8477.8	8133.3	7571.1	7092.4	7204.2	7159.5	7259.4
42.5°	9502.3	9547.0	9415.8	9269.6	9069.8	8574.7	7975.2	7955.8	7884.3	7937.9
45°	10025.7	10063.0	9945.2	9910.9	9906.4	9558.9	8940.1	8823.7	8723.8	8713.4
47.5°	10218.1	10289.6	10340.4	10455.2	10678.9	10532.7	9937.7	9757.3	9645.4	9563.4
50°	10291.1	10367.2	10540.2	10874.2	11403.6	11466.2	10930.9	10728.1	10590.9	10441.8
52.5°	10192.7	10328.4	10561.1	11123.3	11891.3	12214.9	11883.8	11706.3	11549.8	11306.7
55°	9612.6	9748.3	10224.0	11120.3	12134.3	12739.8	12784.5	12705.5	12529.5	12146.3
57.5°	8389.8	8591.1	9344.2	10741.5	12129.9	13191.6	13667.3	13724.0	13527.2	12978.4
60°	6695.7	6968.6	7887.2	9901.9	11755.5	13436.2	14441.3	14724.6	14515.9	13798.6
62.5°	4672.1	4988.2	5857.6	8586.6	10899.6	13260.2	15006.5	15529.9	15371.8	14532.3
65°	2849.8	2951.2	3652.1	6756.9	9444.1	12523.5	15181.0	15965.4	15913.2	14981.1
67.5°	1898.4	1983.4	2184.7	4633.3	7331.0	11051.7	14763.4	15889.3	15904.2	14908.1
70°	1143.8	1216.9	1348.1	2694.7	4751.1	8747.7	13470.5	14920.0	15006.5	13931.3
72.5°	471.2	520.4	639.7	1221.3	2460.6	5551.9	10726.6	12809.9	13011.2	11713.8
75°	266.9	292.3	375.8	612.9	1067.7	2587.3	6497.4	9093.7	9390.4	8073.6
77.5°	177.5	189.4	243.1	396.7	601.0	882.8	2776.7	4737.7	5304.4	4409.6
80°	119.3	129.7	167.0	265.4	390.7	378.8	884.3	1755.2	2159.3	1515.1
82.5°	80.5	82.0	119.3	174.5	247.5	183.4	261.0	545.8	686.0	438.4
85°	46.2	44.7	88.0	101.4	110.4	76.1	79.0	164.0	214.7	184.9
87.5°	6.0	8.9	34.3	26.8	14.9	16.4	16.4	28.3	41.8	44.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850457
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2587.3	0°	2587.3	2587.3	2587.3	2587.3	2587.3	2587.3	2587.3	2587.3	2587.3	2587.3
2590.3	2.5°	2590.3	2588.8	2584.3	2579.9	2569.4	2563.5	2566.4	2563.5	2562.0	2563.5
2609.7	5°	2609.7	2605.2	2593.3	2578.4	2557.5	2532.1	2515.7	2491.9	2469.5	2456.1
2661.9	7.5°	2661.9	2657.4	2641.0	2599.3	2532.1	2426.3	2329.3	2244.3	2180.2	2142.9
2745.4	10°	2745.4	2737.9	2712.6	2620.1	2444.2	2213.0	2020.6	1861.1	1756.7	1707.5
2843.8	12.5°	2843.8	2834.9	2790.1	2600.7	2277.1	1916.3	1650.8	1473.4	1376.4	1333.2
2957.2	15°	2960.1	2948.2	2860.2	2508.3	2034.1	1588.2	1345.1	1212.4	1149.8	1111.0
3101.8	17.5°	3104.8	3083.9	2912.4	2369.6	1770.1	1337.7	1157.2	1057.3	1002.1	964.8
3291.2	20°	3292.7	3258.4	2954.2	2204.1	1527.0	1179.6	1030.5	946.9	905.2	872.4
3559.6	22.5°	3555.1	3505.9	3004.9	2025.1	1355.5	1070.7	936.5	875.4	841.1	803.8
3933.9	25°	3880.2	3822.1	3067.5	1859.6	1237.7	976.8	867.9	817.2	776.9	733.7
4424.5	27.5°	4335.1	4230.7	3142.1	1723.9	1136.3	896.2	805.3	748.6	702.4	666.6
4980.8	30°	4842.1	4670.6	3207.7	1641.9	1043.9	821.7	723.3	666.6	623.3	598.0
5480.4	32.5°	5322.3	5089.6	3250.9	1606.1	960.4	736.7	633.8	572.6	539.8	532.4
5969.5	35°	5775.6	5468.4	3246.5	1571.8	885.8	651.7	545.8	483.2	457.8	462.3
6495.9	37.5°	6297.6	5872.6	3215.1	1518.1	824.7	574.1	469.7	414.6	392.2	393.7
7135.6	40°	6904.5	6339.3	3195.8	1416.7	757.6	502.6	407.1	362.4	346.0	340.0
7809.7	42.5°	7551.7	6791.2	3198.7	1301.9	674.0	438.4	363.9	326.6	311.7	307.2
8559.8	45°	8201.9	7222.1	3203.2	1182.6	586.1	389.2	332.5	301.2	292.3	286.3
9320.3	47.5°	8813.3	7589.0	3119.7	1054.3	499.6	351.9	307.2	286.3	278.9	271.4
10083.9	50°	9383.0	7833.6	2918.4	905.2	431.0	322.1	287.8	272.9	265.4	258.0
10775.8	52.5°	9825.9	7872.3	2585.8	751.6	383.3	299.7	275.9	262.5	253.5	246.1
11335.0	55°	10022.7	7629.3	2113.1	608.4	346.0	280.4	264.0	250.5	240.1	232.6
11774.9	57.5°	9972.0	7117.8	1647.8	489.1	310.2	261.0	249.0	240.1	228.2	216.2
12131.3	60°	9723.0	6433.3	1242.2	407.1	277.4	240.1	232.6	225.2	208.8	190.9
12268.5	62.5°	9292.0	5572.8	885.8	337.0	241.6	216.2	213.2	207.3	183.4	150.6
12065.7	65°	8632.9	4527.4	596.5	280.4	207.3	189.4	190.9	180.4	149.1	111.8
11323.1	67.5°	7669.5	3310.6	381.8	229.7	173.0	158.1	159.6	153.6	126.8	95.4
9915.3	70°	6442.2	2192.1	249.0	174.5	138.7	122.3	131.2	132.7	107.4	77.5
7609.9	72.5°	4722.8	1294.4	174.5	129.7	101.4	85.0	107.4	110.4	86.5	58.2
4578.1	75°	2691.7	614.4	131.2	93.9	62.6	59.7	83.5	83.5	59.7	38.8
1981.9	77.5°	1130.4	256.5	92.5	61.1	35.8	34.3	56.7	52.2	29.8	17.9
483.2	80°	326.6	114.8	49.2	29.8	14.9	13.4	22.4	16.4	7.5	3.0
183.4	82.5°	128.2	50.7	19.4	11.9	6.0	6.0	3.0	0.0	0.0	0.0
104.4	85°	76.1	20.9	8.9	4.5	1.5	0.0	0.0	0.0	0.0	0.0
22.4	87.5°	19.4	4.5	3.0	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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2587.3
2569.4
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