

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: P949435

Luminaire Tested: **GLAN-SB4A-940-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-940-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12949 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

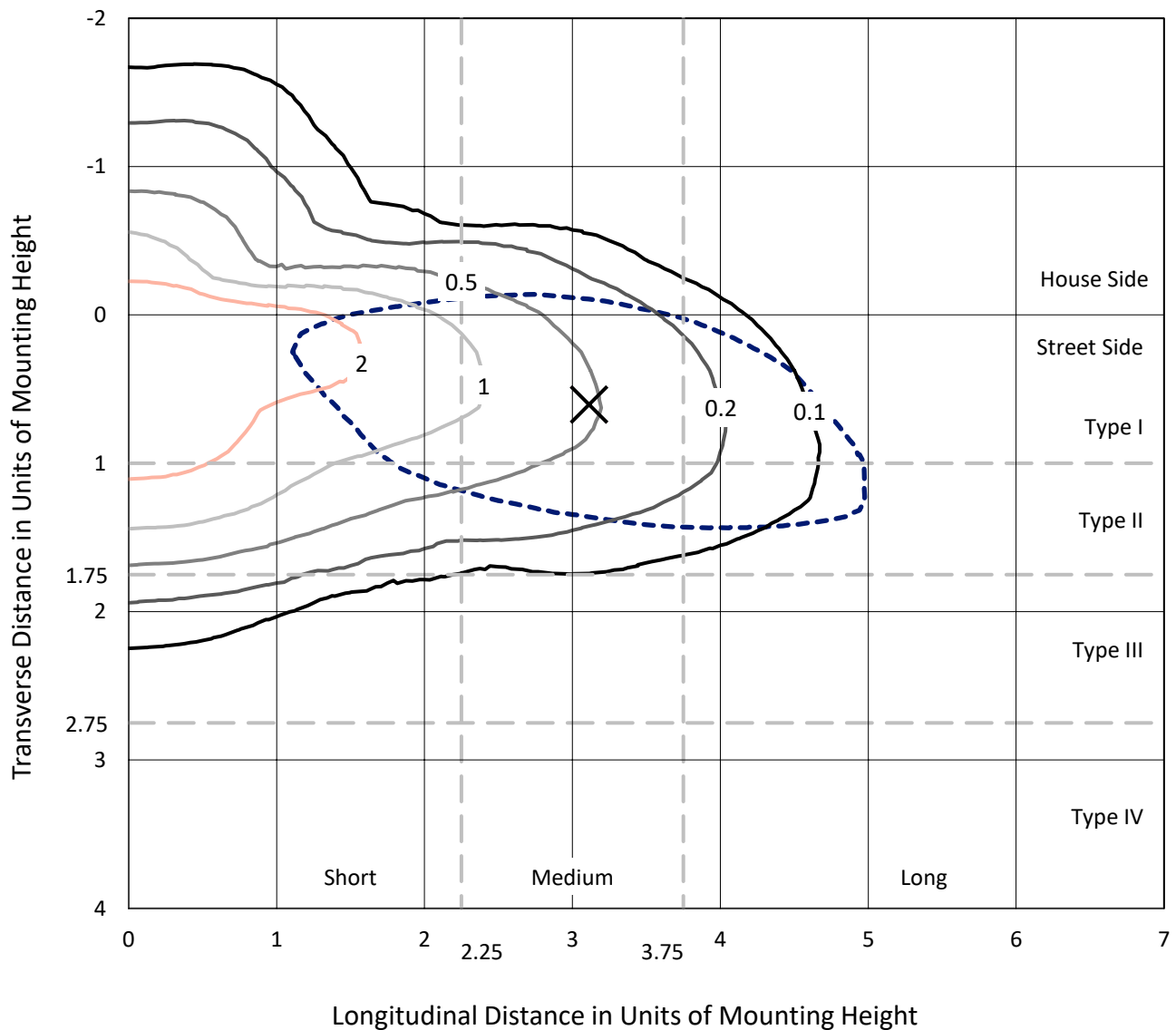
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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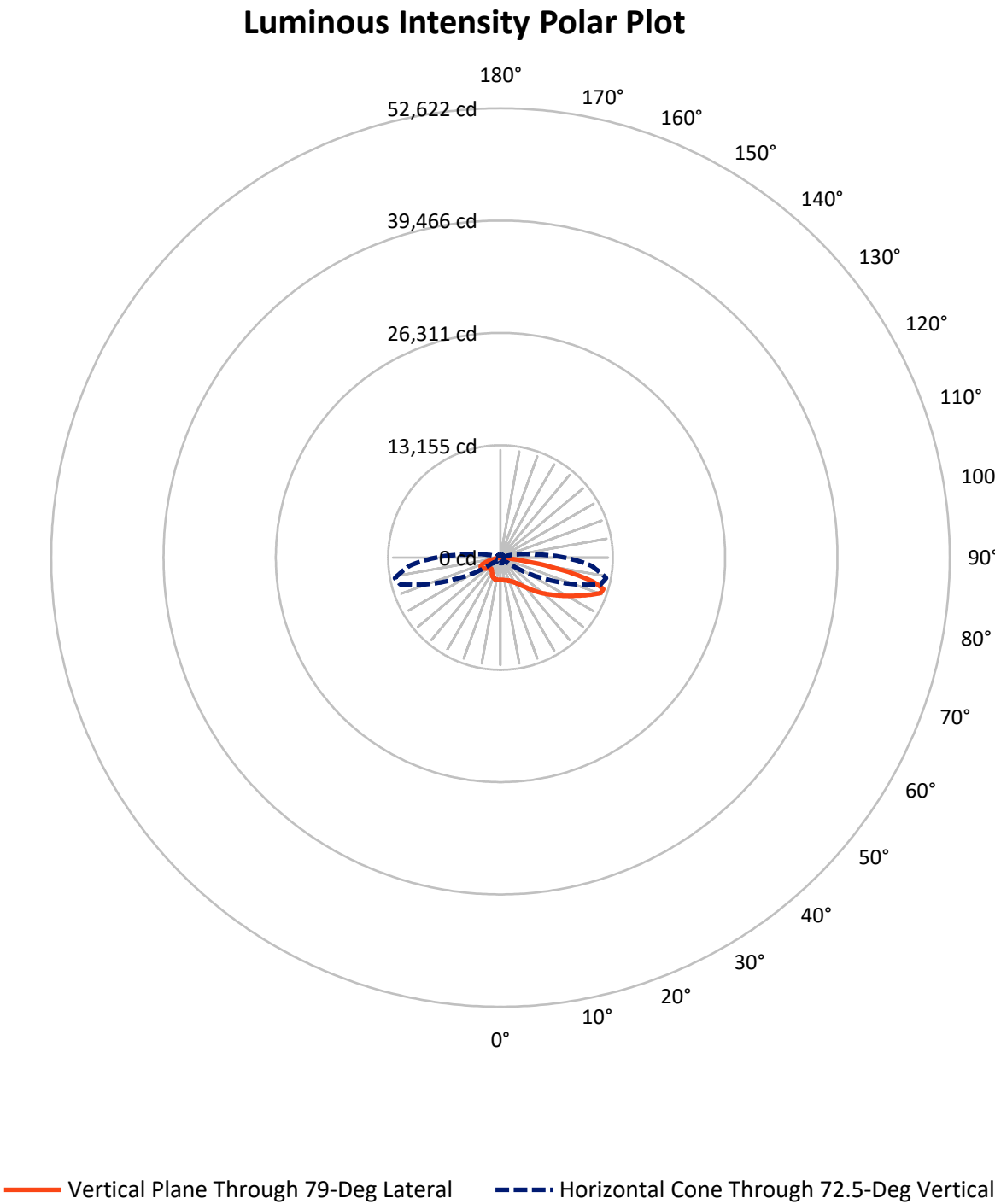
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2849.5	0.0	2849.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	10099.5	0.0	10099.5
	% Fixture	78.0	0.0	78.0
Total	Lumens	12949.0	0.0	12949.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.0	1.8
10°-20°	616.9	4.8
20°-30°	995.4	7.7
30°-40°	1494.0	11.5
40°-50°	2119.3	16.4
50°-60°	2676.4	20.7
60°-70°	2718.2	21.0
70°-80°	1852.6	14.3
80°-90°	240.4	1.9
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°	12949.0	100.0
0°-180°	12949.0	100.0

Coefficient of Utilization



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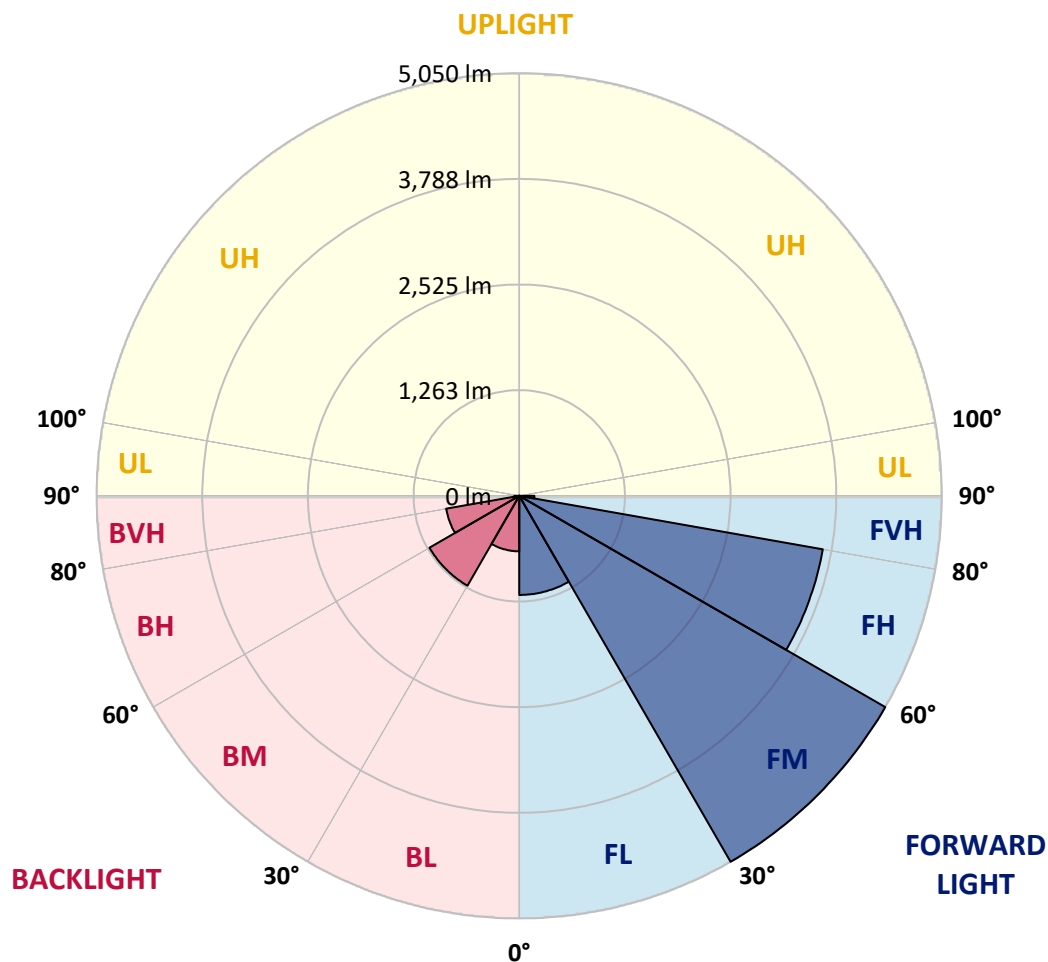
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1184.5	9.1			
FM	(30°-60°)	5050.4	39.0			
FH	(60°-80°)	3683.6	28.4			G2/5000
FVH	(80°-90°)	181.1	1.4			G2/225
BL	(0°-30°)	663.7	5.1	B2/1000		
BM	(30°-60°)	1239.2	9.6	B2/2500		
BH	(60°-80°)	887.2	6.9	B2/1000		G2/1000
BVH	(80°-90°)	59.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	2599.4	2599.4	2599.4	2599.4	2599.4	2599.4	2599.4	2599.4	2599.4	2599.4
2.5°	2600.8	2588.4	2596.0	2593.2	2596.6	2600.8	2602.1	2604.2	2611.0	2610.3
5°	2595.3	2582.9	2593.2	2589.8	2598.7	2608.3	2616.5	2624.0	2635.0	2639.8
7.5°	2583.6	2575.4	2585.7	2596.0	2612.4	2626.8	2638.4	2655.6	2671.3	2674.0
10°	2515.8	2509.7	2533.6	2560.3	2605.6	2644.6	2669.9	2689.8	2706.9	2709.7
12.5°	2445.3	2437.7	2464.5	2500.8	2574.0	2644.6	2698.0	2724.0	2739.1	2748.0
15°	2433.6	2427.5	2442.5	2474.0	2535.0	2626.1	2717.2	2765.1	2778.2	2788.4
17.5°	2489.8	2478.2	2484.3	2495.3	2530.9	2609.0	2732.3	2811.7	2831.6	2842.5
20°	2619.9	2603.5	2593.9	2572.0	2565.8	2611.7	2730.9	2867.9	2893.9	2907.6
22.5°	2793.2	2782.3	2761.7	2706.2	2646.0	2645.3	2756.9	2939.8	2988.4	3001.5
25°	3002.8	2986.4	2960.4	2885.0	2769.3	2711.7	2800.8	3031.6	3113.1	3116.5
27.5°	3243.9	3219.3	3183.7	3084.3	2928.2	2815.8	2867.9	3137.1	3256.3	3254.9
30°	3498.0	3473.4	3435.7	3315.2	3118.6	2956.2	2961.0	3250.8	3426.1	3418.6
32.5°	3683.7	3665.2	3657.6	3564.5	3337.8	3122.0	3067.9	3376.8	3635.7	3628.9
35°	3826.1	3802.2	3811.1	3763.8	3576.8	3307.6	3198.7	3526.8	3890.5	3889.8
37.5°	3967.2	3946.0	3953.5	3922.0	3798.1	3543.3	3358.3	3710.4	4206.3	4221.4
40°	4096.0	4073.4	4103.5	4074.1	3970.0	3793.9	3539.8	3917.9	4572.0	4600.8
42.5°	4173.4	4155.6	4205.6	4206.3	4119.3	4005.6	3739.1	4146.7	4995.3	5059.7
45°	4200.1	4194.0	4269.3	4285.1	4251.5	4128.2	3918.6	4396.0	5451.5	5566.6
47.5°	4171.4	4159.7	4263.8	4322.0	4348.8	4185.7	4067.2	4665.9	5917.3	6085.8
50°	4026.1	4003.5	4158.3	4280.9	4376.2	4223.4	4217.2	4977.5	6446.8	6631.0
52.5°	3765.2	3748.1	3924.1	4137.1	4315.9	4241.9	4385.7	5318.0	6949.5	7187.9
55°	3431.6	3409.0	3602.8	3880.9	4165.9	4235.7	4554.2	5698.8	7542.7	7784.5
57.5°	2902.8	2857.6	3102.8	3431.6	3921.3	4228.2	4729.6	6077.6	8145.4	8435.2
60°	2131.6	2064.4	2365.1	2754.9	3443.2	4154.9	4946.7	6502.2	8868.7	9129.7
62.5°	1241.1	1202.1	1398.7	1762.4	2595.3	3723.4	5068.6	6996.1	9579.7	9853.7
65°	963.7	952.8	969.9	998.0	1444.6	2787.8	4692.6	7477.6	10483.9	10675.6
67.5°	881.5	873.3	880.8	828.1	732.9	1552.8	3712.4	7599.5	11452.4	11568.8
70°	783.6	774.0	798.7	753.4	576.7	706.2	2398.7	7157.1	12222.9	12441.4
72.5°	638.4	627.4	685.0	664.4	485.6	453.4	1204.8	6105.7	12142.1	12595.6
75°	490.4	484.3	552.8	569.9	395.9	356.9	578.1	4538.5	10685.2	11142.1
77.5°	380.8	376.0	411.0	473.3	319.2	276.7	355.5	2878.8	8052.3	8132.4
80°	285.6	271.9	304.1	366.4	248.6	202.1	241.1	1678.8	5089.9	4613.8
82.5°	178.8	171.9	198.6	244.5	175.3	139.0	156.9	927.4	2039.8	1201.4
85°	102.1	99.3	108.2	139.7	95.2	80.1	89.7	409.6	372.6	256.2
87.5°	41.1	39.7	49.3	62.3	34.9	29.5	31.5	98.6	82.2	76.0
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°
2599.4	0°	2599.4	2599.4	2599.4	2599.4	2599.4	2599.4	2599.4	2599.4	2599.4	2599.4
2609.7	2.5°	2606.9	2606.9	2597.3	2582.3	2565.1	2554.2	2536.4	2531.6	2513.1	2507.6
2633.0	5°	2638.4	2633.0	2603.5	2561.0	2502.8	2449.4	2390.5	2353.5	2301.4	2282.9
2678.8	7.5°	2678.2	2663.1	2612.4	2519.2	2397.3	2277.5	2152.8	2058.3	1967.9	1935.7
2716.5	10°	2714.5	2693.2	2606.9	2443.9	2232.9	2025.4	1826.8	1687.7	1582.2	1539.1
2758.3	12.5°	2750.8	2711.7	2570.6	2318.6	1999.4	1717.9	1506.2	1398.0	1332.9	1280.9
2792.5	15°	2785.0	2730.2	2514.5	2150.7	1743.2	1457.6	1301.4	1215.1	1163.0	1128.8
2842.5	17.5°	2824.7	2746.0	2430.2	1937.7	1499.4	1277.4	1150.0	1098.0	1087.7	1083.6
2911.0	20°	2880.2	2760.4	2319.2	1699.4	1319.9	1133.6	1067.8	1063.0	1062.4	1060.3
2993.2	22.5°	2939.8	2777.5	2172.7	1482.9	1167.2	1043.9	1032.2	1022.6	1016.5	1015.8
3092.6	25°	3010.4	2783.0	1989.1	1305.5	1037.0	1001.4	987.7	973.3	969.2	969.2
3205.6	27.5°	3078.9	2764.5	1775.4	1151.4	963.7	962.4	944.5	939.8	939.1	941.1
3334.3	30°	3147.3	2729.5	1563.1	1008.9	921.3	921.3	915.1	918.5	921.3	928.1
3511.1	32.5°	3239.8	2692.5	1385.7	903.5	884.3	877.4	883.6	890.4	893.2	902.1
3743.3	35°	3375.4	2666.5	1244.6	845.9	845.9	837.0	840.4	839.1	832.9	828.8
4024.1	37.5°	3554.9	2665.1	1128.1	819.2	813.7	812.4	813.0	804.1	780.2	751.4
4363.8	40°	3770.7	2702.1	1038.4	800.7	796.6	804.8	800.7	776.7	711.0	661.0
4781.6	42.5°	4060.4	2807.6	980.8	778.1	790.4	800.7	784.3	701.4	656.9	623.3
5257.7	45°	4401.5	2978.9	951.4	754.1	778.8	791.1	711.7	675.4	639.7	599.3
5776.9	47.5°	4787.8	3194.6	944.5	731.5	752.8	760.3	680.8	664.4	624.0	580.2
6298.8	50°	5208.4	3450.1	963.0	704.8	715.1	689.1	670.6	655.5	613.7	570.6
6833.8	52.5°	5643.3	3731.6	1000.0	668.5	677.4	648.6	666.5	653.4	607.6	549.3
7386.5	55°	6070.7	4015.2	1035.6	626.0	639.1	612.3	654.8	645.2	579.5	513.7
7976.3	57.5°	6505.0	4297.4	1070.6	588.4	602.1	577.4	636.3	623.3	548.0	480.8
8620.1	60°	6956.4	4571.4	1087.0	552.1	561.7	545.2	608.2	585.6	512.3	447.3
9253.0	62.5°	7379.0	4799.5	1060.3	515.8	521.9	515.1	571.2	541.1	476.7	409.6
9912.6	65°	7803.0	4935.1	978.1	480.2	481.5	478.1	519.2	493.2	434.9	376.7
10490.0	67.5°	8187.2	5011.1	847.3	441.8	438.4	437.0	470.6	441.1	394.5	343.8
10929.1	70°	8268.7	4817.9	647.3	396.6	396.6	393.2	417.1	387.0	350.0	308.9
10614.7	72.5°	7552.3	4052.9	459.6	345.2	350.7	343.8	363.7	338.4	304.8	277.4
9148.2	75°	6089.9	2972.0	334.3	292.5	302.1	290.4	308.9	291.1	262.3	261.7
6304.3	77.5°	4184.4	1837.7	242.5	241.1	248.0	232.9	254.1	244.5	218.5	206.9
2743.9	80°	1785.7	732.9	176.7	186.3	186.3	172.6	197.3	200.0	177.4	171.9
529.5	82.5°	355.5	208.2	124.0	128.1	120.6	116.4	139.7	154.8	213.7	237.7
159.6	85°	106.9	76.7	74.7	69.9	61.6	62.3	82.2	155.5	191.8	109.6
52.7	87.5°	29.5	19.2	19.9	15.8	13.0	17.1	28.1	117.8	64.4	27.4
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°
2599.4
2516.5
2296.6
1939.8
1548.7
1298.0
1135.0
1086.3
1067.2
1023.3
973.3
946.6
932.9
909.6
838.4
752.1
659.6
621.9
596.6
576.7
565.8
545.2
510.3
479.5
445.2
408.9
372.6
339.7
307.5
269.2
235.6
193.8
171.9
238.4
94.5
23.3
0.0