

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: P950726

Luminaire Tested: **GLAN-SB5A-830-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-830-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20634 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 141.7
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



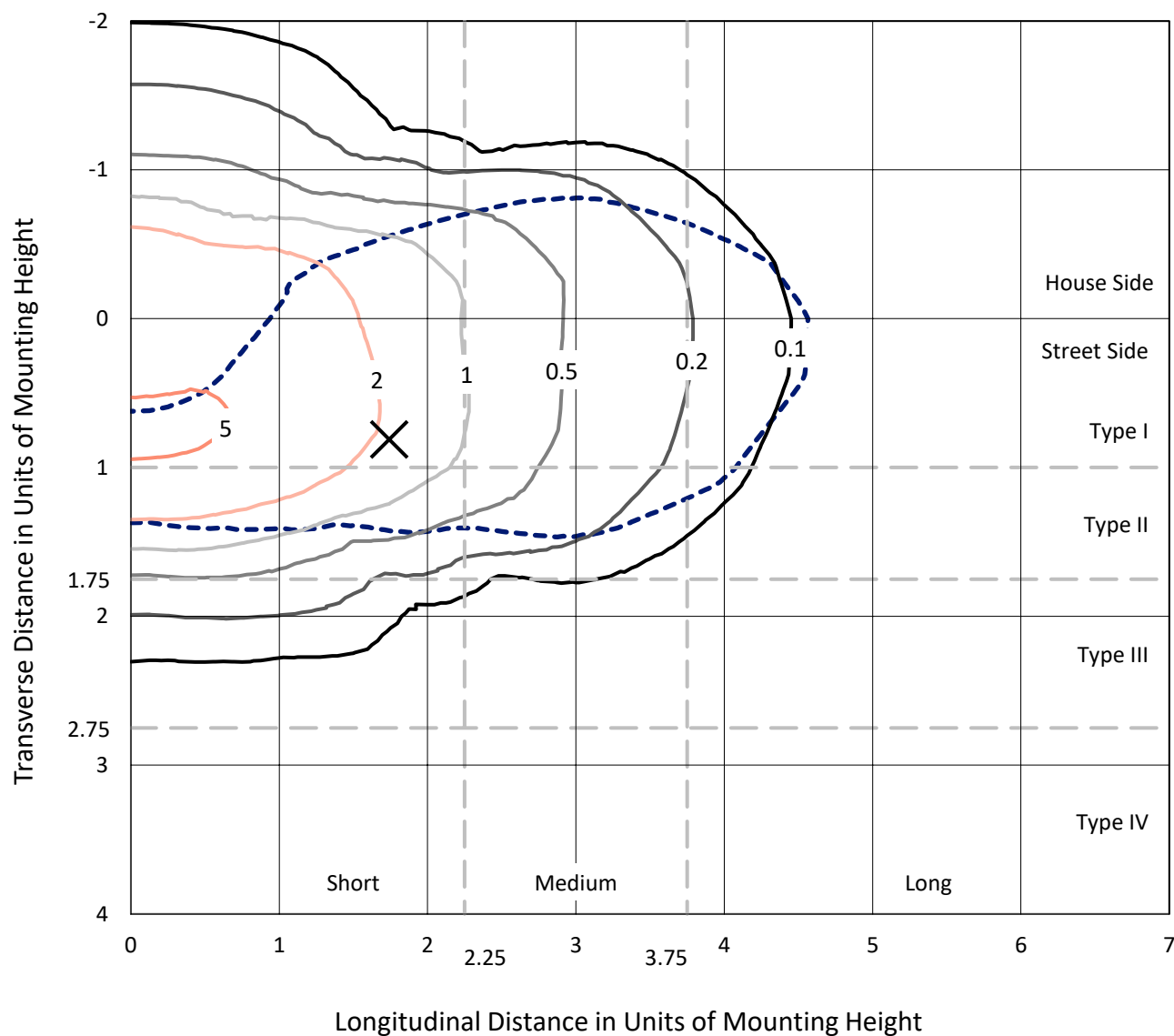
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



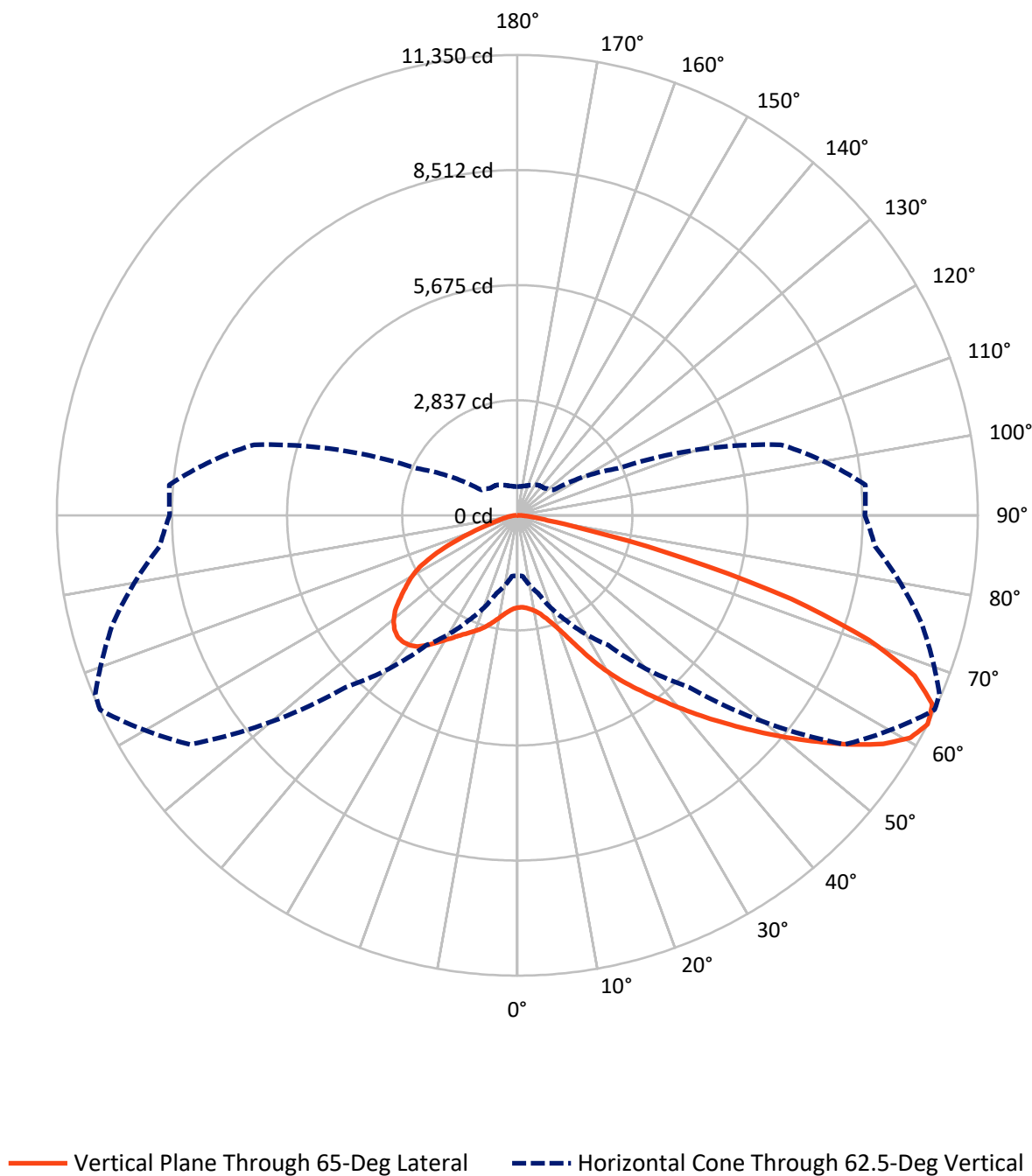
Based on 25 foot mounting height. Maximum calculated value = 5.8 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6511.2	0.0	6511.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	14122.8	0.0	14122.8
	% Fixture	68.4	0.0	68.4
Total	Lumens	20634.0	0.0	20634.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.7	1.1
10°-20°	768.7	3.7
20°-30°	1558.7	7.6
30°-40°	2697.3	13.1
40°-50°	4081.8	19.8
50°-60°	4785.7	23.2
60°-70°	4012.2	19.4
70°-80°	2215.1	10.7
80°-90°	287.7	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°	20634.0	100.0
0°-180°	20634.0	100.0

Coefficient of Utilization



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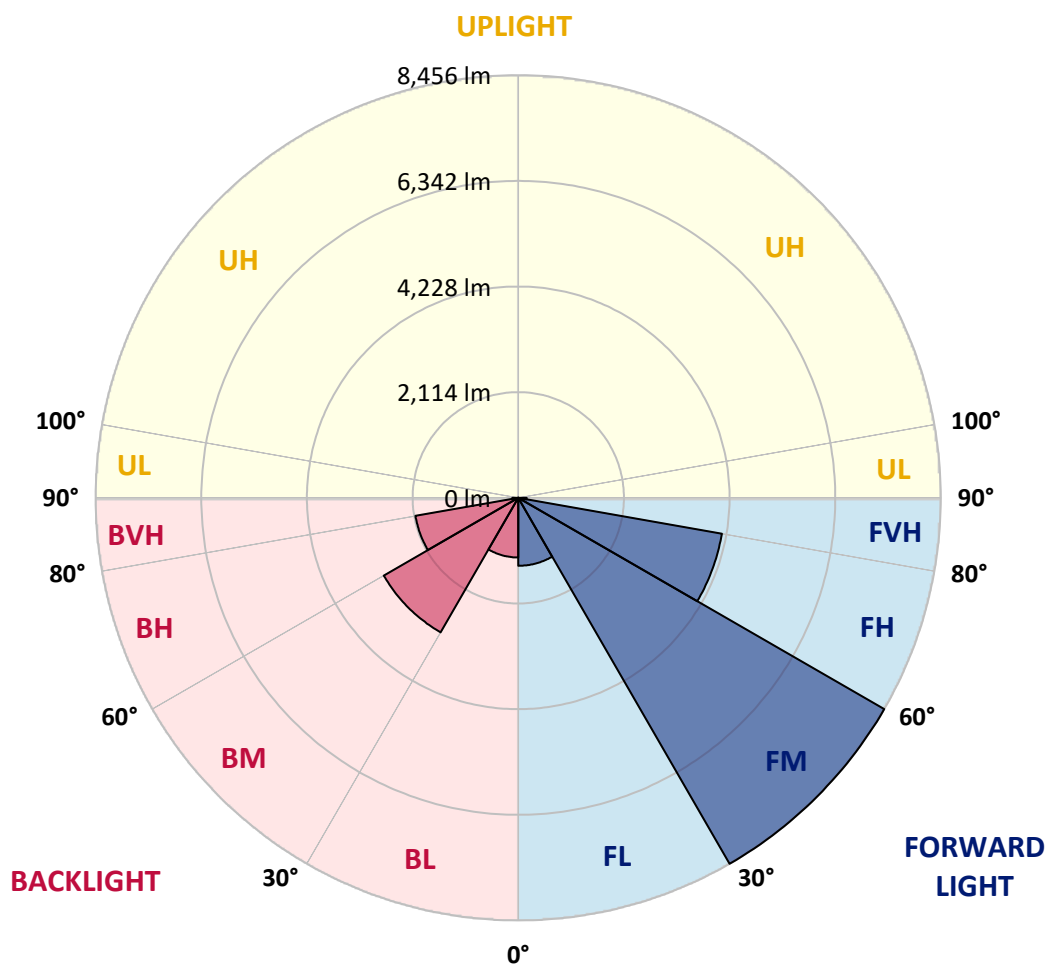
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1360.1	6.6			
FM	(30°-60°)	8456.5	41.0			
FH	(60°-80°)	4138.6	20.1			G2/5000
FVH	(80°-90°)	167.7	0.8			G2/225
BL	(0°-30°)	1194.1	5.8	B3/2500		
BM	(30°-60°)	3108.4	15.1	B3/5000		
BH	(60°-80°)	2088.7	10.1	B3/2500		G3/2500
BVH	(80°-90°)	120.0	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	2273.8	2273.8	2273.8	2273.8	2273.8	2273.8	2273.8	2273.8	2273.8	2273.8
2.5°	2258.8	2252.4	2257.7	2257.7	2259.9	2258.8	2266.3	2268.4	2271.6	2278.1
5°	2236.3	2235.2	2244.9	2253.4	2262.0	2269.5	2279.1	2293.0	2295.2	2302.7
7.5°	2228.8	2222.4	2237.4	2248.1	2268.4	2286.6	2312.3	2335.9	2345.5	2348.7
10°	2286.6	2275.9	2289.8	2296.3	2313.4	2331.6	2361.6	2399.0	2409.7	2422.6
12.5°	2385.1	2373.3	2393.7	2403.3	2419.4	2435.4	2455.8	2492.2	2497.5	2521.1
15°	2520.0	2506.1	2518.9	2530.7	2557.5	2572.5	2592.8	2628.1	2628.1	2646.3
17.5°	2703.1	2684.9	2694.5	2698.8	2715.9	2738.4	2772.6	2803.7	2819.7	2813.3
20°	2976.0	2953.6	2953.6	2932.1	2925.7	2943.9	2988.9	3031.7	3048.8	3015.6
22.5°	3386.0	3353.9	3335.7	3262.9	3234.0	3236.2	3281.1	3333.6	3347.5	3288.6
25°	3907.4	3857.1	3832.4	3725.4	3660.1	3603.4	3638.7	3706.1	3725.4	3652.6
27.5°	4428.7	4431.9	4408.4	4279.9	4171.8	4068.0	4049.8	4120.4	4140.8	4058.3
30°	5159.9	5083.9	5038.9	4884.8	4730.6	4585.0	4510.1	4539.0	4544.3	4445.9
32.5°	5790.4	5771.2	5674.8	5539.9	5341.9	5113.9	4988.6	4942.6	4934.0	4793.8
35°	6508.7	6498.0	6396.3	6235.8	6021.7	5704.8	5478.9	5347.2	5336.5	5139.6
37.5°	7238.8	7238.8	7139.3	6963.7	6742.1	6346.0	6002.4	5793.6	5759.4	5502.5
40°	7821.2	7785.9	7804.1	7730.2	7476.5	7055.8	6583.7	6280.7	6234.7	5926.4
42.5°	8152.0	8140.2	8249.4	8331.8	8228.0	7891.8	7223.8	6808.5	6744.3	6393.1
45°	8225.8	8213.0	8407.8	8709.7	8855.3	8717.2	7919.7	7364.1	7285.9	6881.3
47.5°	8055.6	8029.9	8315.8	8792.2	9258.9	9501.9	8673.3	7966.8	7853.3	7356.6
50°	7543.9	7519.3	7951.8	8584.5	9394.9	10035.0	9491.2	8605.9	8432.5	7866.2
52.5°	6431.7	6443.4	7121.1	7990.3	9216.1	10366.9	10195.6	9279.2	9070.5	8387.5
55°	5010.0	5035.7	5868.6	6825.6	8501.0	10316.6	10676.3	9972.9	9765.3	8877.8
57.5°	3587.3	3700.8	4481.2	5428.6	7127.5	9519.0	10781.2	10632.4	10431.1	9413.1
60°	2325.2	2345.5	3148.4	4103.3	5427.5	8101.7	10568.1	11132.3	10974.9	9959.0
62.5°	1490.2	1504.1	1993.3	2870.1	3906.3	5993.8	9850.9	11349.6	11301.4	10319.8
65°	1095.1	1084.4	1339.2	1897.0	2631.3	3696.5	8458.2	11244.7	11340.0	10545.7
67.5°	914.2	899.2	1024.5	1313.5	1938.7	2099.3	6258.2	10562.8	10911.8	10520.0
70°	832.9	820.0	896.0	975.2	1512.6	1405.6	3154.8	9182.9	9720.3	10227.7
72.5°	705.5	683.0	786.8	866.0	1176.5	1078.0	1303.9	7053.6	7708.8	9291.0
75°	547.0	532.0	620.9	762.2	884.2	841.4	824.3	4283.1	4998.2	7185.3
77.5°	433.6	413.2	494.6	594.1	795.4	634.8	600.6	1844.5	2553.2	4587.2
80°	326.5	308.3	375.8	470.0	611.3	478.5	388.6	752.6	962.4	2324.1
82.5°	232.3	216.2	262.3	344.7	411.1	429.3	238.7	421.8	474.2	896.0
85°	148.8	139.2	175.6	216.2	261.2	276.2	145.6	220.5	241.9	369.3
87.5°	81.4	66.4	94.2	100.6	121.0	110.3	69.6	80.3	86.7	133.8
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°
2273.8	0°	2273.8	2273.8	2273.8	2273.8	2273.8	2273.8	2273.8	2273.8	2273.8	2273.8
2278.1	2.5°	2282.3	2285.6	2296.3	2299.5	2307.0	2316.6	2323.0	2329.4	2329.4	2335.9
2312.3	5°	2313.4	2320.9	2343.4	2355.1	2374.4	2393.7	2405.5	2419.4	2427.9	2432.2
2366.9	7.5°	2373.3	2385.1	2417.2	2437.6	2470.8	2497.5	2515.7	2535.0	2539.3	2551.0
2442.9	10°	2454.7	2468.6	2505.0	2543.5	2583.2	2616.3	2633.5	2647.4	2652.7	2654.9
2540.3	12.5°	2547.8	2568.2	2615.3	2662.4	2704.1	2733.0	2737.3	2734.1	2719.1	2706.3
2660.2	15°	2662.4	2680.6	2733.0	2784.4	2825.1	2830.4	2803.7	2786.6	2768.4	2765.1
2794.0	17.5°	2799.4	2809.0	2857.2	2907.5	2910.7	2892.5	2852.9	2836.9	2819.7	2808.0
2968.5	20°	2958.9	2955.7	2990.0	3011.4	2988.9	2933.2	2873.3	2846.5	2829.4	2815.5
3182.6	22.5°	3149.5	3124.8	3120.6	3115.2	3055.3	2938.6	2857.2	2823.0	2796.2	2776.9
3481.3	25°	3426.7	3332.5	3267.2	3230.8	3095.9	2909.7	2805.8	2729.8	2679.5	2646.3
3846.4	27.5°	3773.6	3615.1	3450.3	3361.4	3095.9	2850.8	2681.6	2558.5	2476.1	2441.8
4199.6	30°	4104.4	3938.4	3695.4	3518.8	3088.4	2754.4	2481.5	2310.2	2213.8	2179.6
4501.5	32.5°	4387.0	4206.1	3955.6	3691.1	3070.2	2598.1	2233.1	2043.6	1950.5	1909.8
4800.2	35°	4649.3	4456.6	4216.8	3880.6	3022.1	2369.1	1960.1	1815.6	1711.8	1646.5
5104.2	37.5°	4918.0	4688.9	4464.1	4051.9	2935.4	2101.4	1750.3	1627.2	1505.1	1417.4
5427.5	40°	5210.2	4936.2	4728.5	4153.6	2793.0	1846.6	1587.6	1475.2	1345.6	1252.5
5800.1	42.5°	5551.7	5232.7	5022.9	4206.1	2598.1	1665.7	1481.6	1371.3	1249.3	1173.3
6199.4	45°	5908.2	5559.2	5291.6	4205.0	2380.8	1581.2	1447.3	1338.1	1203.3	1124.0
6609.4	47.5°	6281.8	5900.7	5523.9	4136.5	2192.4	1592.9	1428.1	1266.4	1117.6	1040.5
7023.7	50°	6656.5	6274.3	5748.7	4008.0	2112.1	1567.2	1356.3	1165.8	990.2	920.6
7412.3	52.5°	7027.9	6671.5	5942.4	3825.0	2030.8	1472.0	1264.3	1035.2	937.8	889.6
7813.7	55°	7401.6	7064.3	6153.3	3558.4	1827.4	1360.6	1110.1	985.9	896.0	852.1
8206.6	57.5°	7776.2	7518.2	6353.5	3291.8	1571.5	1223.6	1025.6	926.0	854.3	816.8
8535.2	60°	8165.9	8037.4	6560.1	3046.7	1318.9	1048.0	963.5	877.8	805.0	763.3
8851.0	62.5°	8567.3	8609.1	6721.8	2730.9	1086.6	941.0	907.8	820.0	749.4	709.8
9112.2	65°	8972.0	9160.4	6827.8	2293.0	881.0	839.3	847.8	756.9	685.1	650.9
9303.9	67.5°	9277.1	9557.6	6797.8	1735.3	722.6	742.9	772.9	690.5	623.0	596.3
9272.8	70°	9311.4	9510.5	6502.3	1188.3	604.8	648.7	689.4	625.2	555.6	536.3
8836.0	72.5°	8855.3	8868.2	5679.1	776.1	511.7	569.5	601.6	558.8	491.4	472.1
7730.2	75°	7659.5	7334.1	4169.7	511.7	428.2	489.2	519.2	489.2	423.9	428.2
5784.0	77.5°	5803.3	5194.1	2531.8	364.0	357.6	411.1	451.8	430.3	374.7	420.7
2908.6	80°	2990.0	2810.1	1129.4	271.9	282.6	328.6	371.5	343.6	296.5	282.6
649.8	82.5°	685.1	796.5	445.3	194.8	204.5	236.6	283.7	258.0	213.0	179.8
270.8	85°	239.8	262.3	197.0	122.0	119.9	147.7	192.7	172.4	144.5	115.6
114.5	87.5°	76.0	99.6	73.9	49.2	51.4	66.4	88.9	81.4	67.4	43.9
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°
2273.8
2335.9
2434.4
2546.8
2649.5
2706.3
2765.1
2809.0
2816.5
2783.3
2659.2
2459.0
2199.9
1930.1
1667.9
1440.9
1270.7
1188.3
1136.9
1051.2
924.9
889.6
847.8
810.4
760.1
708.7
649.8
597.3
537.4
471.0
413.2
370.4
258.0
177.7
122.0
46.0
0.0