

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: P846913

Luminaire Tested: **GLAN-SB2D-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19795 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

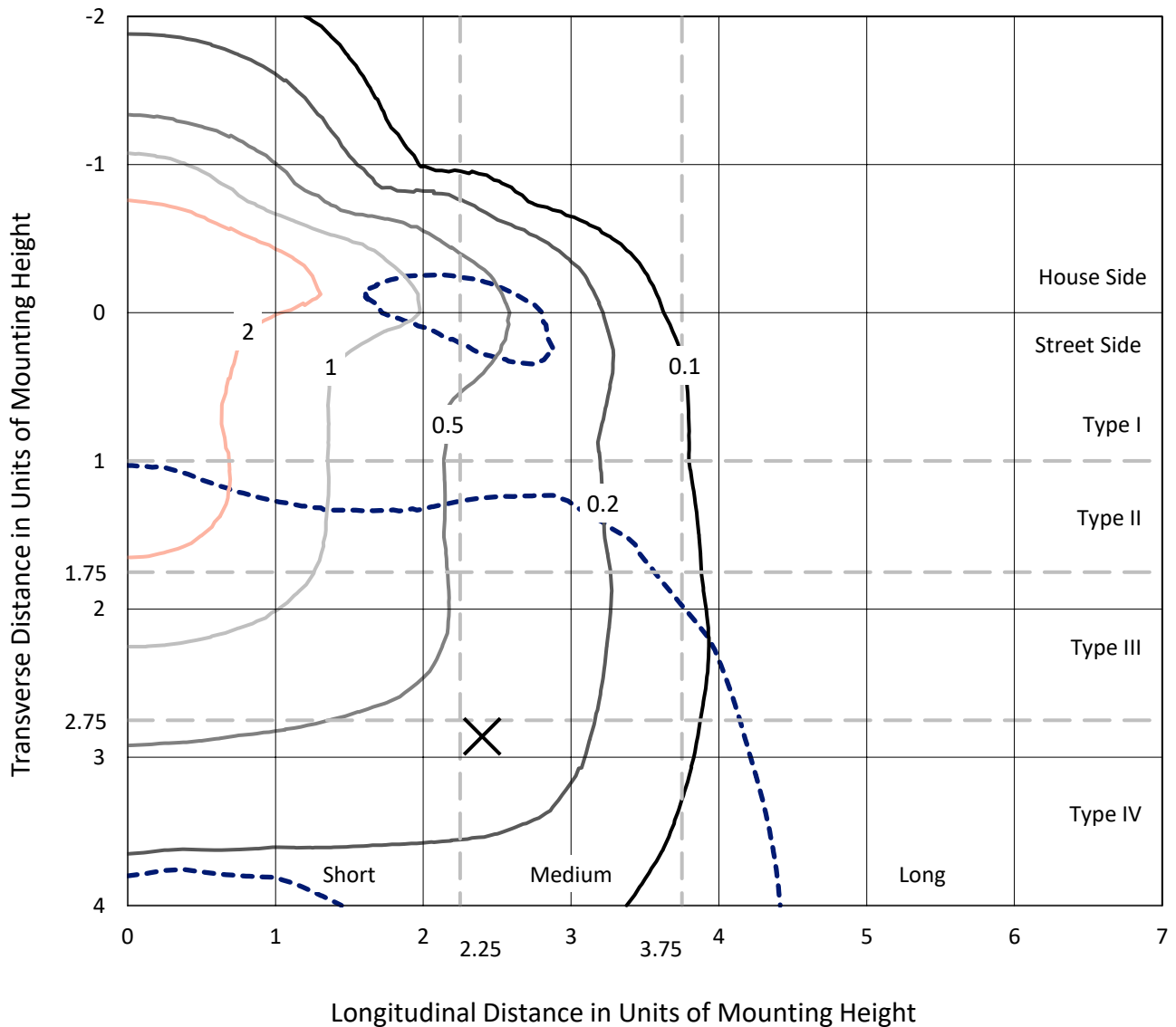
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

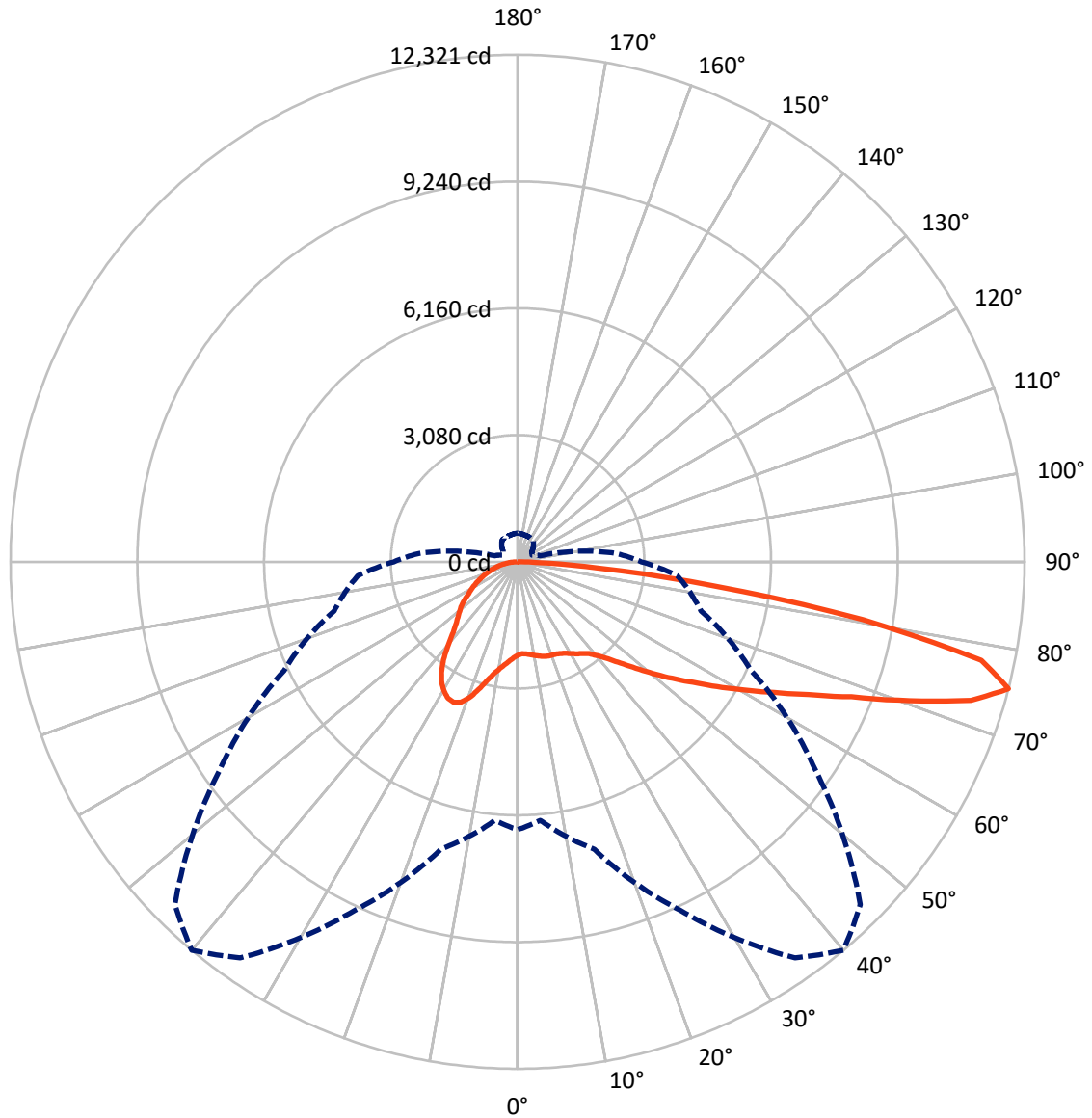
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6133.1	0.0	6133.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	13661.8	0.0	13661.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	19795.0	0.0	19795.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.0	1.1
10°-20°	758.6	3.8
20°-30°	1385.2	7.0
30°-40°	1964.5	9.9
40°-50°	2652.7	13.4
50°-60°	3568.6	18.0
60°-70°	4529.4	22.9
70°-80°	4110.7	20.8
80°-90°	599.2	3.0
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°	19795.0	100.0
0°-180°	19795.0	100.0

Coefficient of Utilization

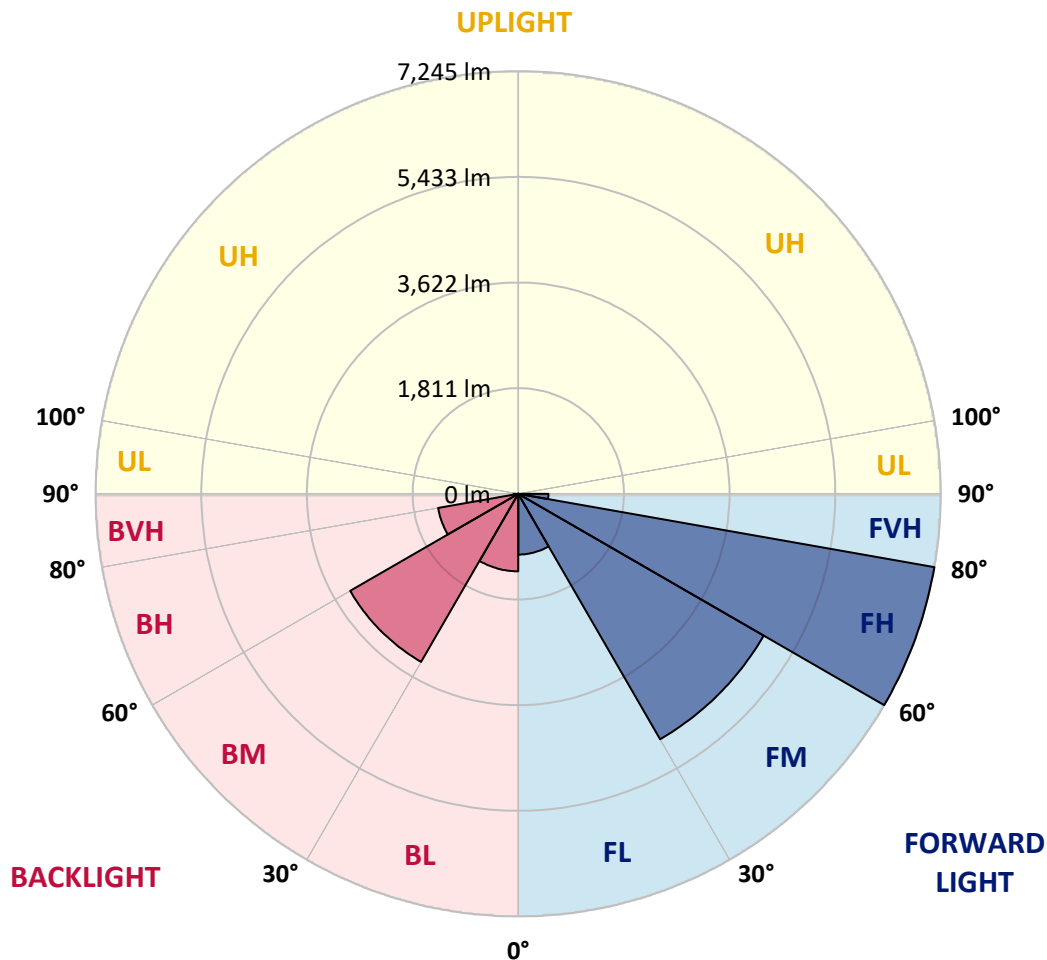


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1041.2	5.3			
FM (30°-60°)	4859.2	24.5			
FH (60°-80°)	7244.7	36.6			G3/7500
FVH (80°-90°)	516.7	2.6			G4/750
BL (0°-30°)	1328.5	6.7	B3/2500		
BM (30°-60°)	3326.7	16.8	B3/5000		
BH (60°-80°)	1395.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	82.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2263.6	2263.6	2263.6	2263.6	2263.6	2263.6	2263.6	2263.6	2263.6	2263.6
2.5°	2228.9	2241.5	2238.4	2234.2	2234.2	2235.2	2234.2	2241.5	2248.9	2256.2
5°	2252.0	2264.6	2258.3	2253.1	2248.9	2247.8	2244.7	2243.6	2247.8	2257.3
7.5°	2297.2	2309.8	2300.3	2290.9	2282.5	2278.3	2274.1	2267.8	2264.6	2269.9
10°	2347.6	2360.2	2348.6	2331.8	2318.2	2312.9	2308.7	2302.4	2298.2	2301.4
12.5°	2398.0	2410.6	2394.8	2371.7	2353.9	2350.7	2345.5	2343.4	2342.3	2341.3
15°	2445.2	2455.7	2435.8	2408.5	2389.6	2384.3	2379.1	2382.2	2387.5	2393.8
17.5°	2482.0	2492.5	2463.1	2427.4	2409.5	2407.4	2404.3	2414.8	2429.5	2445.2
20°	2515.6	2526.1	2488.3	2440.0	2419.0	2419.0	2420.0	2442.1	2463.1	2486.2
22.5°	2562.8	2571.2	2525.0	2458.9	2428.4	2430.5	2438.9	2461.0	2487.2	2518.7
25°	2633.1	2639.4	2582.8	2494.6	2459.9	2466.2	2473.6	2484.1	2509.3	2546.0
27.5°	2746.5	2751.8	2677.2	2557.6	2505.1	2515.6	2526.1	2518.7	2530.3	2561.8
30°	2906.1	2909.3	2814.8	2656.2	2581.7	2587.0	2589.1	2558.6	2536.6	2561.8
32.5°	3095.1	3094.1	2981.7	2775.9	2668.8	2663.6	2645.7	2585.9	2534.5	2556.5
35°	3388.0	3376.5	3231.6	2943.9	2767.5	2735.0	2693.0	2616.4	2545.0	2551.3
37.5°	3873.1	3837.4	3636.9	3219.0	2914.5	2831.6	2769.6	2665.7	2568.1	2549.2
40°	4420.1	4374.9	4154.5	3595.9	3135.0	3001.7	2901.9	2736.0	2605.9	2558.6
42.5°	5068.9	5004.9	4767.6	4040.0	3414.3	3221.1	3071.0	2825.3	2661.5	2589.1
45°	5865.8	5780.7	5444.8	4540.8	3766.0	3508.8	3308.2	2960.7	2746.5	2647.8
47.5°	6671.1	6692.1	6214.4	5114.1	4188.1	3863.6	3605.4	3164.4	2870.4	2742.3
50°	7526.7	7541.4	6979.7	5749.3	4666.8	4264.7	3939.2	3392.2	3042.6	2876.7
52.5°	8194.5	8196.6	7674.8	6413.8	5165.5	4705.7	4299.3	3652.6	3242.1	3055.2
55°	8612.3	8607.1	8161.9	7042.7	5738.8	5168.7	4698.3	3948.7	3485.7	3265.2
57.5°	8915.8	8900.0	8497.9	7583.4	6349.8	5715.7	5149.8	4284.6	3773.3	3515.1
60°	9031.2	9021.8	8725.7	8050.6	6992.3	6320.4	5670.5	4660.5	4099.9	3810.1
62.5°	9075.3	9093.2	8949.3	8503.1	7680.0	6990.2	6242.7	5109.9	4467.3	4144.0
65°	9230.7	9263.3	9233.9	9095.3	8456.9	7774.5	7001.8	5644.3	4868.4	4502.0
67.5°	9538.3	9570.9	9583.5	9804.0	9406.1	8752.0	7948.8	6309.9	5337.7	4873.6
70°	9531.0	9521.5	9744.1	10367.8	10594.5	10105.3	9225.5	7128.8	5897.3	5182.3
72.5°	8675.3	8599.7	9125.7	10361.5	11583.5	11518.5	10784.6	8185.0	6380.2	5220.1
75°	6508.3	6306.7	7235.9	9337.8	11748.4	12320.6	11775.7	8840.2	6265.8	4612.2
77.5°	2783.3	2580.7	3675.7	6912.5	10514.7	11517.4	10866.5	7712.6	5001.7	3050.0
80°	728.6	727.6	1110.8	3134.0	7150.9	8505.2	7461.6	4980.7	2857.8	1089.8
82.5°	301.3	294.0	408.4	1218.9	3494.1	4772.8	3895.1	2221.6	1032.1	295.0
85°	112.3	111.3	198.4	421.0	1232.6	1968.6	1424.7	568.0	257.2	143.8
87.5°	31.5	30.4	43.0	145.9	300.3	455.7	243.6	93.4	72.4	56.7
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°
2263.6	0°	2263.6	2263.6	2263.6	2263.6	2263.6	2263.6	2263.6	2263.6	2263.6	2263.6
2267.8	2.5°	2270.9	2276.2	2285.6	2293.0	2302.4	2312.9	2327.6	2337.1	2346.5	2352.8
2273.0	5°	2280.4	2291.9	2316.1	2340.2	2368.6	2394.8	2425.3	2447.3	2465.2	2470.4
2291.9	7.5°	2301.4	2320.3	2361.2	2402.2	2447.3	2490.4	2534.5	2572.3	2602.7	2614.3
2325.5	10°	2338.1	2363.3	2421.1	2478.8	2538.7	2604.8	2661.5	2716.1	2759.1	2777.0
2365.4	12.5°	2384.3	2415.8	2491.4	2571.2	2654.1	2745.5	2819.0	2886.2	2939.7	2963.9
2421.1	15°	2444.2	2485.1	2581.7	2688.8	2810.6	2937.6	3031.1	3105.6	3165.4	3194.8
2478.8	17.5°	2509.3	2563.9	2685.6	2847.3	3021.6	3188.5	3297.7	3352.3	3414.3	3442.6
2532.4	20°	2572.3	2639.4	2813.7	3048.9	3280.9	3458.4	3546.6	3561.3	3565.5	3568.6
2582.8	22.5°	2637.3	2727.6	2974.4	3303.0	3551.8	3674.7	3687.2	3624.3	3536.1	3495.1
2632.1	25°	2708.7	2828.4	3184.3	3583.3	3784.9	3799.6	3703.0	3549.7	3382.8	3306.1
2672.0	27.5°	2778.0	2945.0	3436.3	3851.0	3952.9	3823.7	3615.9	3398.5	3196.9	3116.1
2700.3	30°	2847.3	3078.3	3714.5	4085.2	4029.5	3763.9	3478.3	3235.8	3033.2	2948.1
2725.5	32.5°	2917.7	3233.7	4034.8	4254.2	4015.9	3636.9	3307.2	3053.1	2874.6	2785.4
2747.6	35°	2997.5	3424.8	4338.2	4346.6	3924.5	3450.0	3081.5	2834.7	2679.3	2608.0
2773.8	37.5°	3101.4	3667.3	4605.9	4369.7	3764.9	3175.9	2801.1	2576.5	2448.4	2415.8
2812.7	40°	3230.5	3959.2	4810.6	4332.9	3528.7	2843.1	2494.6	2315.0	2242.6	2249.9
2865.2	42.5°	3398.5	4285.7	4954.5	4238.4	3200.1	2499.8	2225.8	2146.0	2180.6	2210.0
2943.9	45°	3616.9	4624.8	5043.7	4077.8	2828.4	2209.0	2067.3	2086.2	2112.4	2115.5
3071.0	47.5°	3896.2	4968.1	5102.5	3835.3	2449.4	2004.3	1966.5	1970.7	1965.4	1943.4
3261.0	50°	4244.7	5302.0	5155.0	3514.0	2127.1	1876.2	1825.8	1811.1	1738.6	1667.2
3514.0	52.5°	4641.6	5608.6	5177.1	3115.1	1876.2	1769.1	1687.2	1594.8	1459.4	1437.3
3832.1	55°	5082.6	5892.0	5120.4	2624.8	1665.1	1631.5	1507.7	1396.4	1381.7	1362.8
4251.0	57.5°	5609.6	6197.6	5004.9	2077.8	1448.9	1470.9	1350.2	1362.8	1336.5	1307.1
4789.6	60°	6186.0	6513.6	4802.2	1579.0	1225.2	1270.4	1309.2	1308.2	1300.8	1276.7
5357.6	62.5°	6704.7	6721.5	4403.3	1209.5	1028.9	1115.0	1221.0	1220.0	1213.7	1200.0
5950.8	65°	7013.3	6690.0	3737.6	952.3	867.2	986.9	1101.3	1109.7	1110.8	1109.7
6397.0	67.5°	6958.7	6321.4	2824.2	758.0	733.9	856.7	982.7	994.3	1002.7	1004.8
6453.7	70°	6341.4	5512.0	1841.5	604.7	615.2	742.3	870.4	881.9	889.3	897.7
5600.2	72.5°	4942.9	4052.6	1054.1	489.3	511.3	643.6	759.1	772.7	776.9	792.7
3897.2	75°	3012.2	2383.3	569.0	385.3	420.0	550.1	648.8	664.6	671.9	690.8
1914.0	77.5°	1432.1	1032.1	324.4	300.3	338.1	449.4	548.0	565.9	545.9	556.4
528.1	80°	484.0	383.2	204.7	228.9	258.3	350.7	438.9	456.7	414.7	412.6
175.3	82.5°	169.0	155.4	130.2	152.2	166.9	250.9	331.8	354.9	308.7	307.6
78.7	85°	66.1	63.0	72.4	82.9	99.7	154.3	218.4	229.9	190.0	153.3
23.1	87.5°	13.6	14.7	17.8	18.9	30.4	53.5	78.7	96.6	76.6	65.1
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°
2263.6
2348.6
2472.5
2615.3
2778.0
2963.9
3192.7
3441.6
3577.0
3506.7
3317.7
3125.6
2957.6
2796.9
2623.7
2438.9
2275.1
2237.3
2136.5
1960.2
1676.7
1444.7
1365.9
1301.9
1268.3
1194.8
1109.7
1006.9
901.9
799.0
692.9
548.0
408.4
292.9
151.2
59.8
0.0

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