

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: P852395

Luminaire Tested: **GLAN-SB3C-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21794 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

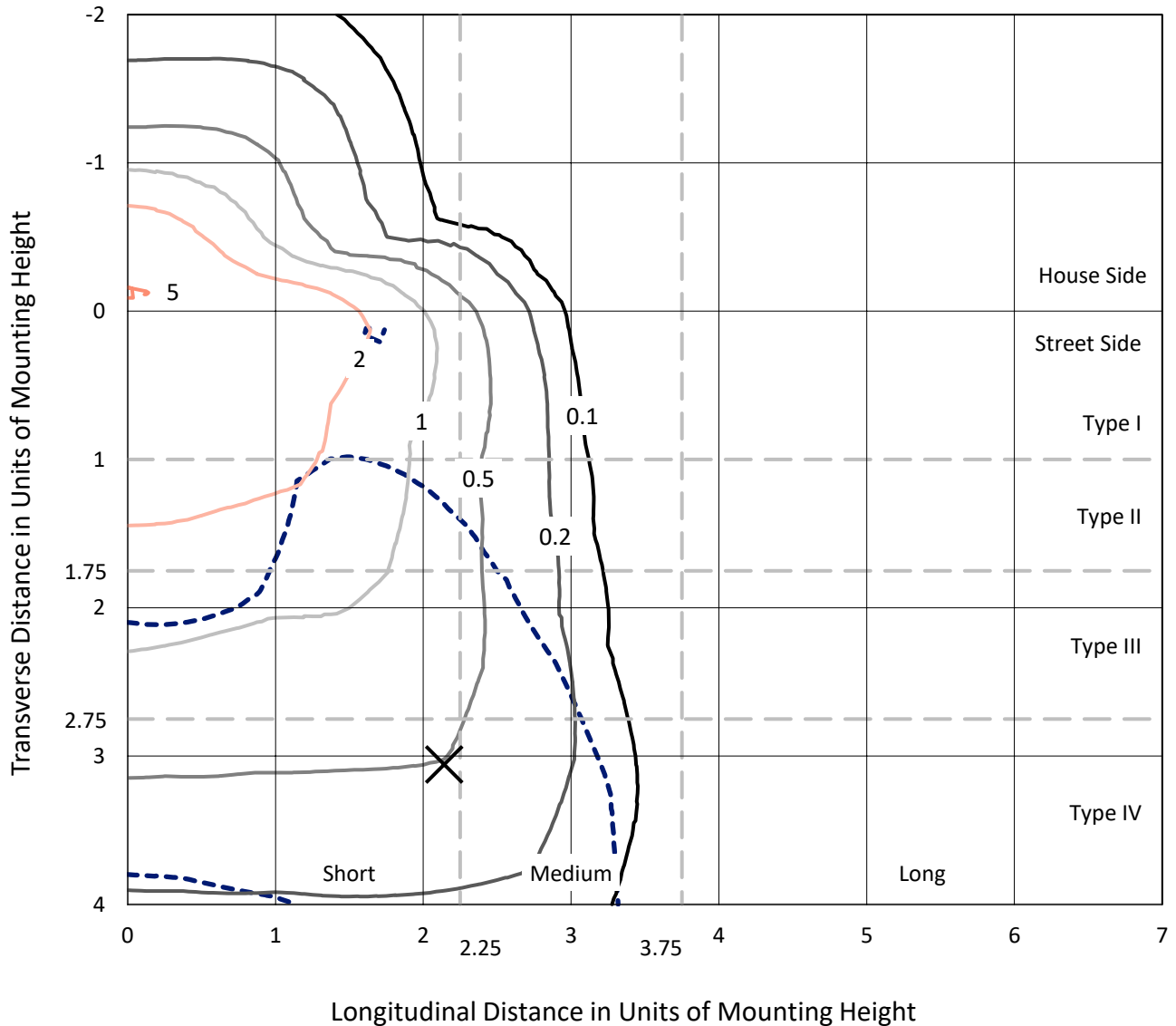
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

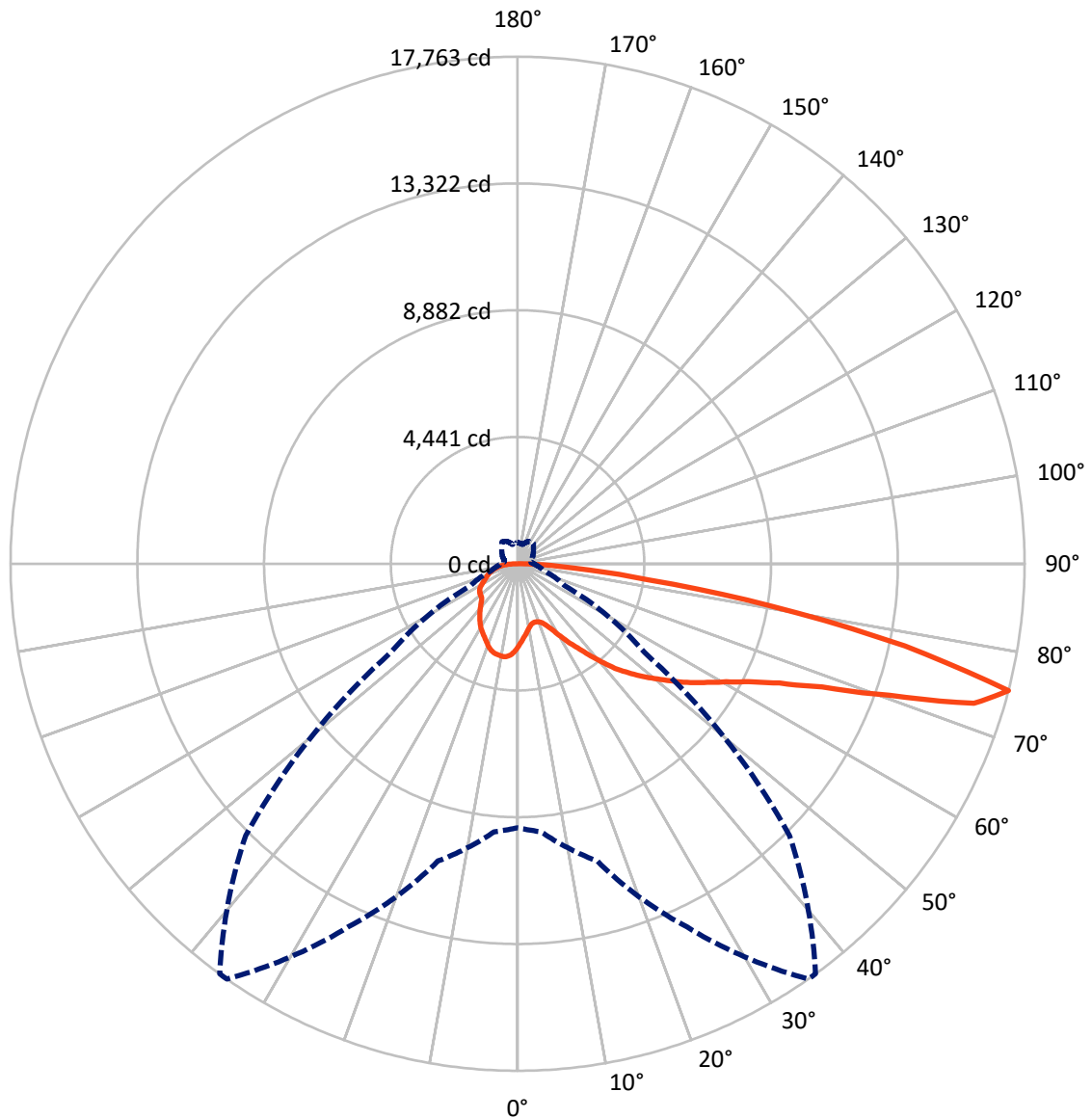
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5186.4	0.0	5186.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	16607.6	0.0	16607.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	21794.0	0.0	21794.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.0	1.3
10°-20°	793.1	3.6
20°-30°	1331.9	6.1
30°-40°	2069.9	9.5
40°-50°	3072.3	14.1
50°-60°	4241.5	19.5
60°-70°	5145.9	23.6
70°-80°	4252.7	19.5
80°-90°	611.7	2.8
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°	21794.0	100.0
0°-180°	21794.0	100.0

Coefficient of Utilization

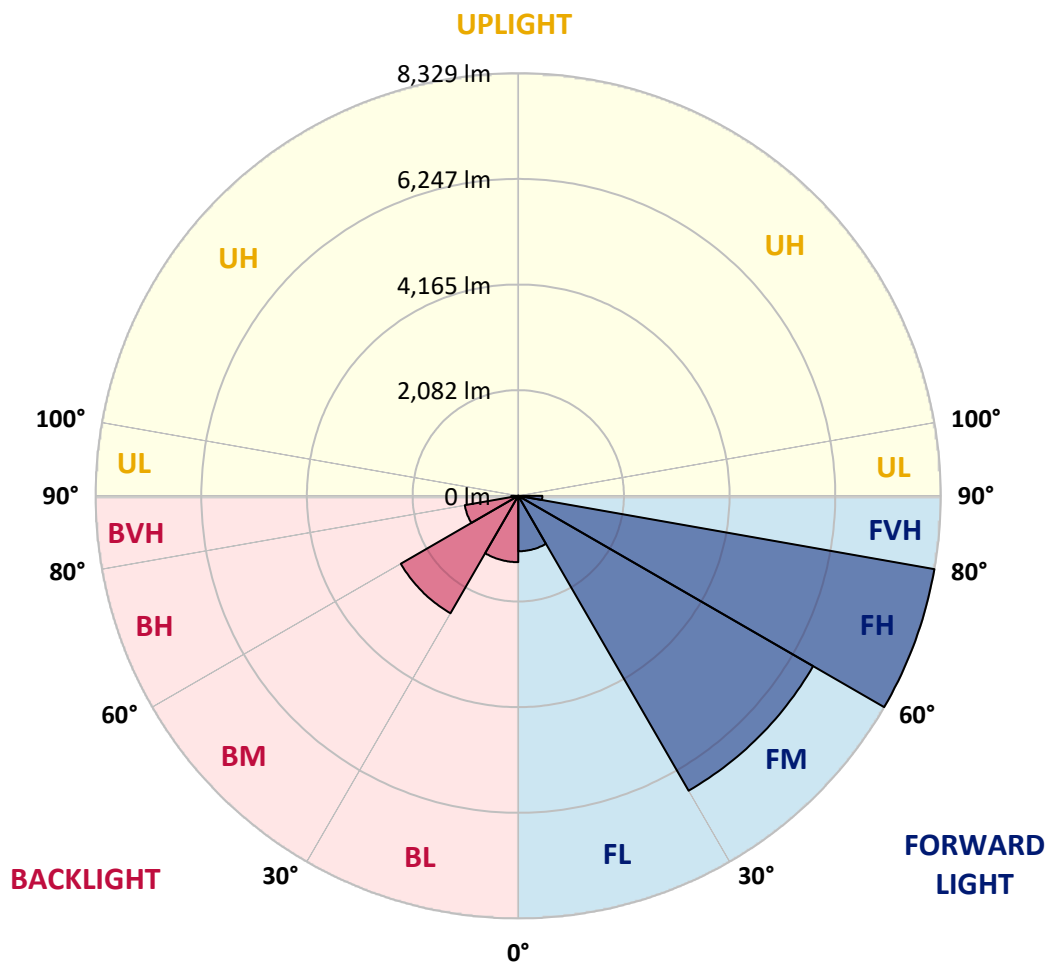


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1092.9	5.0			
FM (30°-60°)	6711.4	30.8			
FH (60°-80°)	8329.3	38.2			G4/12000
FVH (80°-90°)	473.9	2.2			G3/500
BL (0°-30°)	1307.1	6.0	B3/2500		
BM (30°-60°)	2672.4	12.3	B3/5000		
BH (60°-80°)	1069.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	137.7	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2904.2	2904.2	2904.2	2904.2	2904.2	2904.2	2904.2	2904.2	2904.2	2904.2
2.5°	2678.0	2694.5	2701.6	2698.0	2715.7	2713.3	2738.1	2768.7	2811.1	2852.4
5°	2471.8	2489.5	2504.8	2518.9	2553.1	2563.7	2602.6	2661.5	2739.3	2818.2
7.5°	2279.8	2295.1	2318.6	2344.6	2402.3	2412.9	2477.7	2569.6	2678.0	2793.4
10°	2123.1	2138.4	2163.1	2192.6	2264.4	2277.4	2359.9	2482.4	2623.8	2769.9
12.5°	2055.9	2060.6	2074.8	2104.2	2166.7	2174.9	2265.6	2405.8	2570.8	2752.2
15°	2052.4	2061.8	2063.0	2078.3	2130.1	2133.7	2217.3	2356.3	2537.8	2748.7
17.5°	2087.7	2094.8	2084.2	2093.6	2137.2	2143.1	2209.1	2332.8	2527.2	2764.0
20°	2182.0	2187.9	2156.1	2143.1	2174.9	2179.6	2244.4	2348.1	2537.8	2795.8
22.5°	2382.3	2385.8	2308.0	2255.0	2257.4	2259.7	2316.3	2410.5	2579.0	2853.5
25°	2694.5	2692.1	2568.4	2465.9	2407.0	2394.0	2431.8	2511.9	2648.5	2930.1
27.5°	3059.7	3042.0	2918.3	2765.2	2636.8	2617.9	2609.7	2643.8	2747.5	3031.4
30°	3472.1	3455.6	3322.4	3122.2	2944.3	2913.6	2835.9	2818.2	2894.8	3169.3
32.5°	3924.5	3913.9	3754.8	3512.1	3274.1	3238.8	3108.0	3060.9	3121.0	3377.8
35°	4303.9	4294.4	4162.5	3912.7	3621.7	3578.1	3445.0	3392.0	3422.6	3645.3
37.5°	4646.7	4642.0	4528.9	4332.1	4031.7	3978.7	3829.1	3811.4	3805.5	3997.5
40°	4964.8	4953.0	4835.2	4731.5	4508.9	4460.6	4328.6	4313.3	4268.5	4431.1
42.5°	5317.1	5286.5	5115.6	5067.3	5007.2	4967.2	4888.2	4890.6	4791.6	4920.1
45°	5604.6	5586.9	5411.4	5383.1	5447.9	5431.4	5499.7	5517.4	5325.3	5432.6
47.5°	5913.3	5896.8	5748.3	5728.3	5903.8	5908.5	6150.1	6156.0	5846.1	5965.1
50°	6293.8	6270.2	6123.0	6147.7	6344.5	6362.1	6804.0	6763.9	6325.6	6505.9
52.5°	6544.8	6558.9	6527.1	6567.1	6835.8	6852.3	7447.2	7344.7	6800.4	7039.6
55°	6729.7	6758.0	6857.0	6948.9	7354.2	7370.7	8054.0	7897.3	7193.9	7534.4
57.5°	6967.7	6927.7	7112.6	7291.7	7846.6	7890.2	8644.3	8429.8	7542.7	7960.9
60°	7309.4	7281.1	7424.9	7689.9	8398.0	8467.5	9268.7	8909.3	7798.3	8299.1
62.5°	8002.2	7931.5	7953.8	8188.3	9093.1	9185.0	9973.2	9327.6	7925.6	8431.0
65°	9037.8	8916.4	8803.3	8965.9	10072.2	10162.9	10768.5	9656.3	7878.4	8175.3
67.5°	10342.0	10221.8	10082.8	10236.0	11514.3	11586.2	11749.9	9841.3	7507.3	7190.4
70°	11417.7	11372.9	11539.0	12169.4	13817.6	13820.0	13008.2	9688.1	6490.6	5098.0
72.5°	11275.1	11248.0	12123.4	14072.1	16720.6	16658.2	14199.3	8528.8	4372.2	2299.8
75°	9249.8	9425.4	10781.5	14037.9	17763.3	17755.1	13470.1	5422.0	1808.5	953.1
77.5°	4960.1	5238.2	6999.5	10364.4	13867.1	14075.6	9470.2	1896.9	776.4	610.3
80°	1617.6	1860.3	2789.9	5277.0	9010.7	8971.8	4058.8	744.6	531.4	432.4
82.5°	686.9	715.2	1246.5	2491.8	4624.3	4552.5	1292.5	427.7	373.5	295.7
85°	268.6	300.4	550.2	1152.3	2002.9	1959.3	466.6	212.1	239.2	193.2
87.5°	88.4	107.2	196.8	394.7	623.3	600.9	114.3	73.0	103.7	88.4
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°
2904.2	0°	2904.2	2904.2	2904.2	2904.2	2904.2	2904.2	2904.2	2904.2	2904.2	2904.2
2912.4	2.5°	2928.9	2947.8	2970.2	3003.2	3031.4	3055.0	3079.7	3095.1	3101.0	3118.6
2917.2	5°	2950.1	2991.4	3046.8	3101.0	3154.0	3185.8	3214.1	3228.2	3241.2	3250.6
2930.1	7.5°	2985.5	3038.5	3125.7	3196.4	3241.2	3267.1	3285.9	3281.2	3285.9	3288.3
2944.3	10°	3016.1	3090.3	3194.0	3261.2	3295.4	3296.5	3291.8	3275.3	3267.1	3268.3
2965.5	12.5°	3052.6	3135.1	3247.0	3303.6	3313.0	3287.1	3267.1	3238.8	3228.2	3223.5
2997.3	15°	3102.1	3196.4	3304.8	3326.0	3302.4	3269.4	3235.3	3189.3	3165.8	3146.9
3051.5	17.5°	3162.2	3265.9	3349.5	3334.2	3283.6	3229.4	3174.0	3104.5	3056.2	3036.2
3125.7	20°	3245.9	3338.9	3383.7	3316.6	3240.0	3157.5	3063.3	2978.4	2933.7	2913.6
3219.9	22.5°	3347.2	3436.7	3416.7	3285.9	3177.5	3045.6	2927.8	2865.3	2842.9	2828.8
3341.3	25°	3468.5	3545.1	3440.3	3241.2	3075.0	2897.1	2806.4	2786.4	2775.8	2765.2
3489.8	27.5°	3626.4	3667.7	3457.9	3175.2	2914.8	2739.3	2706.3	2709.8	2706.3	2688.6
3695.9	30°	3835.0	3826.7	3474.4	3068.0	2731.0	2596.7	2599.1	2614.4	2616.7	2604.9
3983.4	32.5°	4109.5	4025.8	3482.7	2928.9	2555.5	2471.8	2474.2	2490.7	2502.4	2482.4
4359.2	35°	4441.7	4257.9	3469.7	2754.6	2420.0	2352.8	2335.1	2339.9	2343.4	2324.5
4815.2	37.5°	4829.3	4518.3	3412.0	2561.3	2308.0	2236.2	2198.5	2166.7	2147.8	2130.1
5331.2	40°	5254.7	4802.2	3306.0	2372.8	2183.2	2112.5	2055.9	1995.8	1932.2	1908.6
5877.9	42.5°	5700.0	5094.4	3177.5	2192.6	2039.4	1981.7	1921.6	1834.4	1739.0	1690.7
6445.8	45°	6161.8	5393.7	3051.5	2014.7	1892.1	1867.4	1797.9	1693.0	1589.4	1528.1
7014.8	47.5°	6614.3	5676.4	2866.5	1835.6	1754.3	1781.4	1727.2	1630.6	1515.1	1418.5
7579.2	50°	7046.7	5941.5	2563.7	1654.2	1642.4	1755.5	1703.6	1564.6	1432.7	1309.0
8132.9	52.5°	7475.5	6156.0	2176.1	1489.2	1582.3	1748.4	1673.0	1519.8	1358.4	1228.8
8653.7	55°	7839.6	6266.7	1802.6	1347.8	1495.1	1688.3	1636.5	1466.8	1253.6	1115.7
9010.7	57.5°	8046.9	6177.2	1491.6	1208.8	1374.9	1589.4	1574.0	1353.7	1128.7	1022.7
9080.2	60°	7957.4	5814.3	1237.1	1087.5	1260.6	1482.1	1465.6	1241.8	1033.3	933.1
8707.9	62.5°	7463.7	5122.7	1035.6	981.4	1157.0	1372.6	1357.3	1155.8	960.2	863.6
7719.4	65°	6469.4	4167.2	878.9	893.1	1052.1	1240.6	1263.0	1083.9	902.5	808.2
5972.2	67.5°	4934.2	3018.5	756.4	816.5	949.6	1111.0	1175.8	1032.1	854.2	764.6
3455.6	70°	2812.3	1714.2	652.7	742.2	858.9	990.8	1108.7	990.8	802.3	728.1
1294.8	72.5°	1066.2	787.0	564.3	668.0	771.7	889.5	1034.4	926.0	742.2	686.9
669.2	75°	569.1	479.5	474.8	580.8	671.6	790.6	941.4	862.4	697.5	725.8
463.0	77.5°	387.6	339.3	397.0	497.2	562.0	681.0	842.4	765.8	604.4	602.0
320.5	80°	268.6	240.3	322.8	400.6	434.7	572.6	735.2	657.4	492.5	459.5
197.9	82.5°	161.4	156.7	241.5	299.3	307.5	441.8	609.1	551.4	402.9	351.1
117.8	85°	88.4	93.1	154.3	175.5	179.1	308.7	477.2	426.5	309.9	260.4
42.4	87.5°	24.7	31.8	56.6	69.5	86.0	160.2	283.9	253.3	155.5	108.4
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°
2904.2
3117.4
3252.9
3291.8
3270.6
3221.1
3152.8
3037.3
2911.3
2831.2
2765.2
2692.1
2610.8
2491.8
2337.5
2141.9
1919.2
1696.6
1523.4
1407.9
1298.3
1214.7
1103.9
1008.5
919.0
848.3
792.9
750.5
718.7
677.4
749.3
554.9
439.5
353.5
262.7
108.4
0.0

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