

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: P852641

Luminaire Tested: **GLAN-SB5B-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852641
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-SB5B-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22416 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

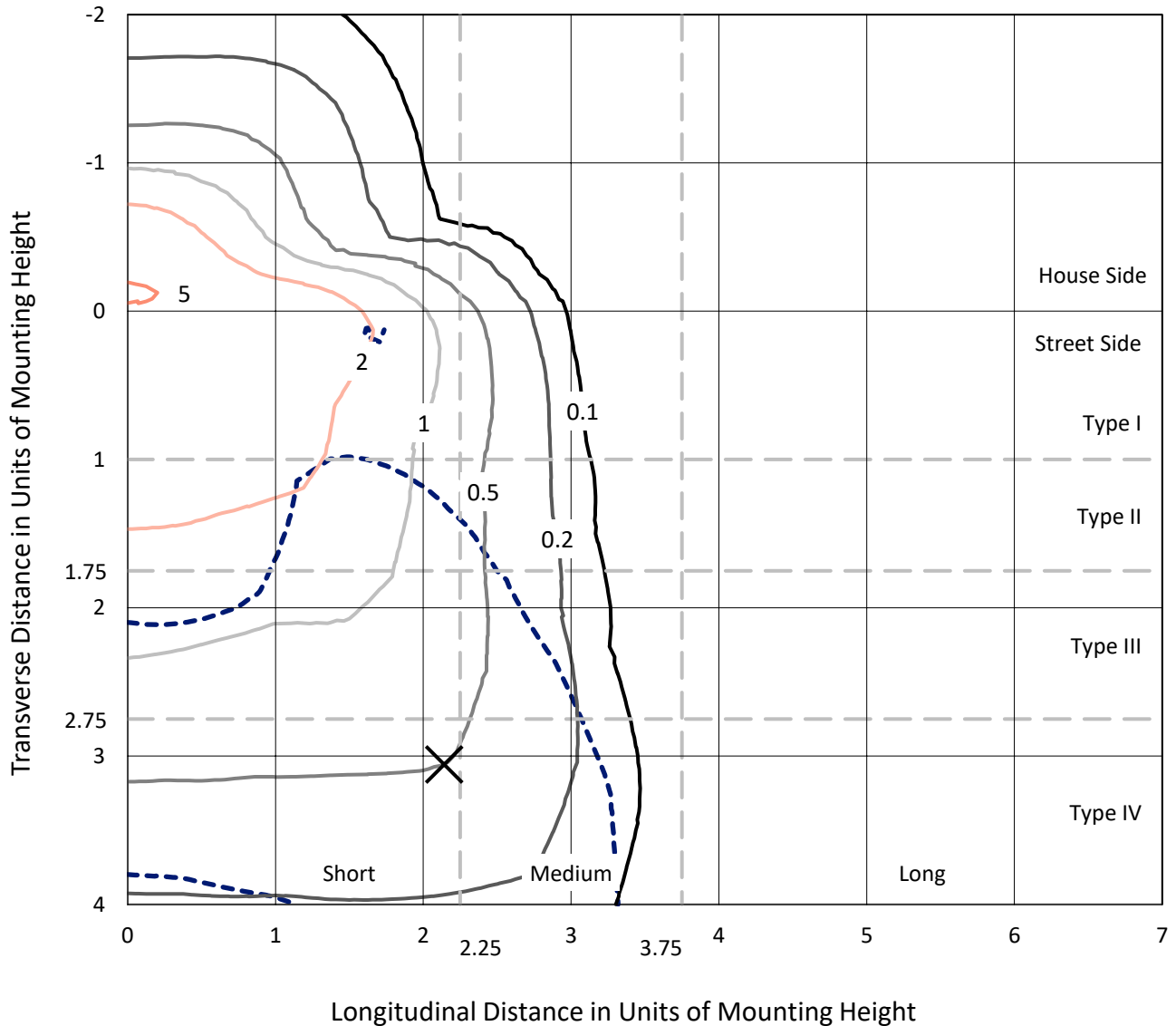
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

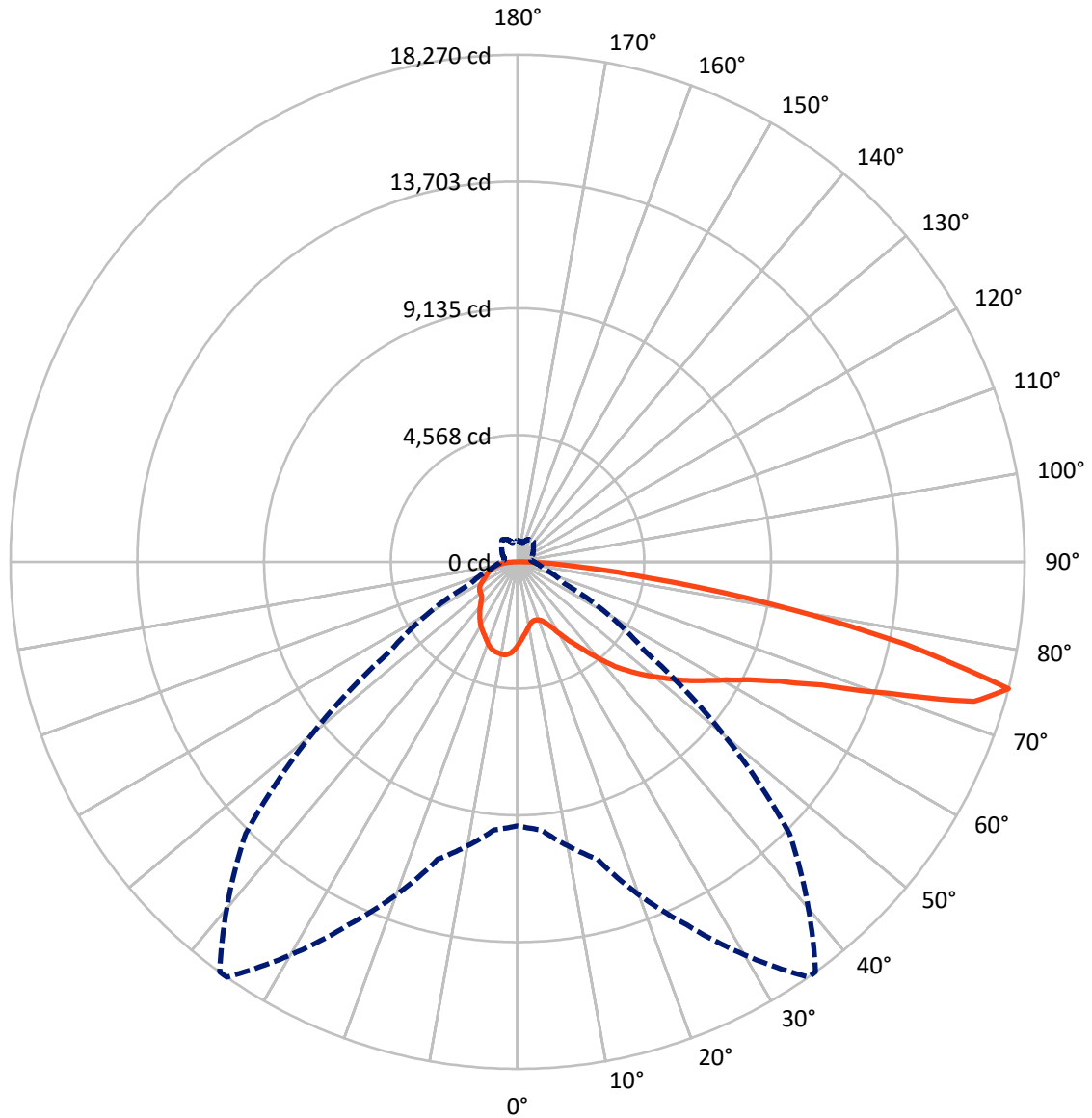
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	5334.4	0.0	5334.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	17081.6	0.0	17081.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	22416.0	0.0	22416.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.8	1.3
10°-20°	815.8	3.6
20°-30°	1369.9	6.1
30°-40°	2129.0	9.5
40°-50°	3160.0	14.1
50°-60°	4362.6	19.5
60°-70°	5292.8	23.6
70°-80°	4374.1	19.5
80°-90°	629.1	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°	22416.0	100.0
0°-180°	22416.0	100.0

Coefficient of Utilization

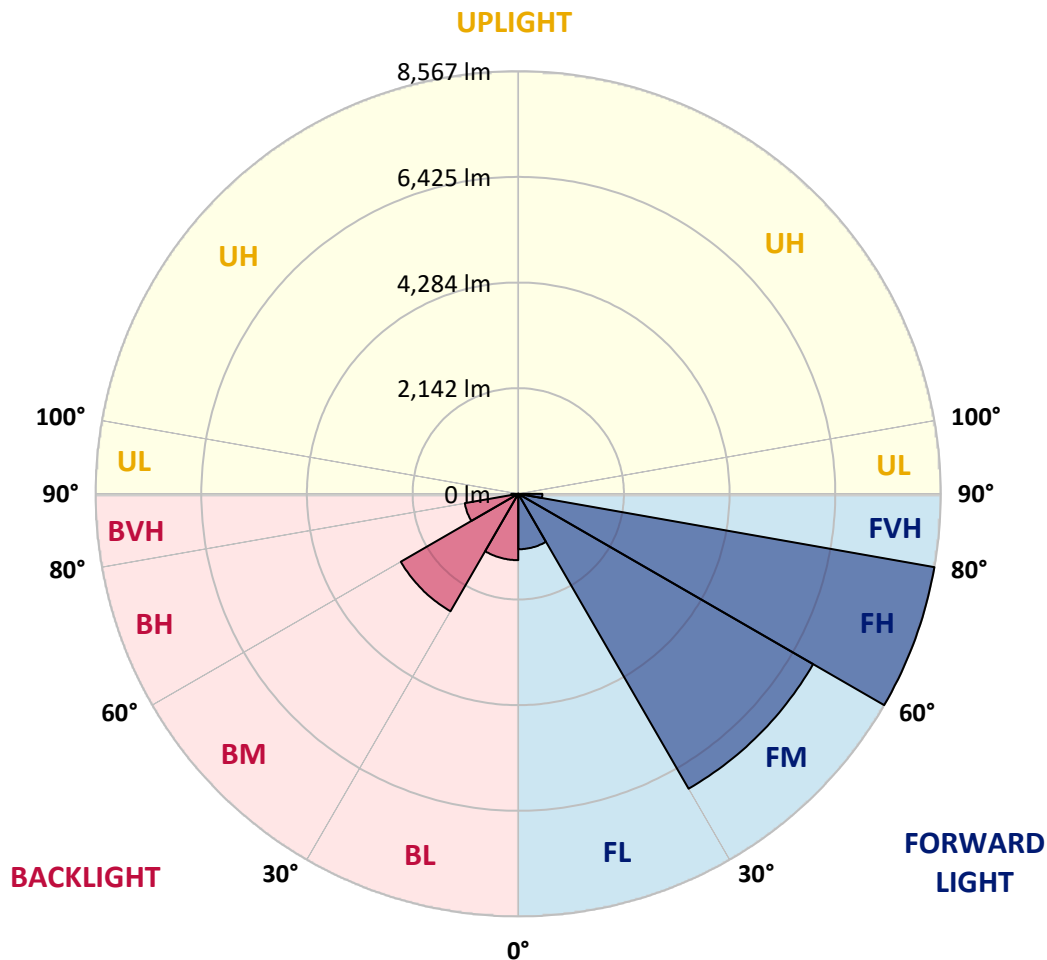


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1124.1	5.0			
FM (30°-60°)	6902.9	30.8			
FH (60°-80°)	8567.1	38.2			G4/12000
FVH (80°-90°)	487.5	2.2			G3/500
BL (0°-30°)	1344.4	6.0	B3/2500		
BM (30°-60°)	2748.6	12.3	B3/5000		
BH (60°-80°)	1099.8	4.9	B3/2500		G3/2500
BVH (80°-90°)	141.7	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°	2987.1	2987.1	2987.1	2987.1	2987.1	2987.1	2987.1	2987.1	2987.1	2987.1
2.5°	2754.4	2771.4	2778.7	2775.0	2793.2	2790.8	2816.2	2847.7	2891.4	2933.8
5°	2542.4	2560.5	2576.3	2590.8	2626.0	2636.9	2676.9	2737.5	2817.4	2898.6
7.5°	2344.8	2360.6	2384.8	2411.5	2470.9	2481.8	2548.4	2642.9	2754.4	2873.2
10°	2183.7	2199.4	2224.9	2255.2	2329.1	2342.4	2427.2	2553.3	2698.7	2848.9
12.5°	2114.6	2119.4	2134.0	2164.3	2228.5	2237.0	2330.3	2474.5	2644.1	2830.8
15°	2111.0	2120.6	2121.9	2137.6	2190.9	2194.6	2280.6	2423.6	2610.2	2827.1
17.5°	2147.3	2154.6	2143.7	2153.4	2198.2	2204.3	2272.1	2399.4	2599.3	2842.9
20°	2244.3	2250.3	2217.6	2204.3	2237.0	2241.8	2308.5	2415.1	2610.2	2875.6
22.5°	2450.3	2453.9	2373.9	2319.4	2321.8	2324.2	2382.4	2479.3	2652.6	2935.0
25°	2771.4	2769.0	2641.7	2536.3	2475.7	2462.4	2501.2	2583.6	2724.1	3013.7
27.5°	3147.0	3128.9	3001.6	2844.1	2712.0	2692.6	2684.1	2719.3	2825.9	3118.0
30°	3571.2	3554.2	3417.3	3211.3	3028.3	2996.8	2916.8	2898.6	2977.4	3259.7
32.5°	4036.5	4025.6	3862.0	3612.4	3367.6	3331.2	3196.7	3148.3	3210.1	3474.2
35°	4426.7	4417.0	4281.3	4024.4	3725.1	3680.2	3543.3	3488.8	3520.3	3749.3
37.5°	4779.3	4774.5	4658.2	4455.8	4146.8	4092.2	3938.3	3920.2	3914.1	4111.6
40°	5106.5	5094.4	4973.2	4866.6	4637.6	4587.9	4452.1	4436.4	4390.3	4557.6
42.5°	5468.8	5437.3	5261.6	5211.9	5150.1	5108.9	5027.8	5030.2	4928.4	5060.5
45°	5764.5	5746.3	5565.8	5536.7	5603.4	5586.4	5656.7	5674.9	5477.3	5587.6
47.5°	6082.0	6065.1	5912.4	5891.8	6072.3	6077.2	6325.6	6331.6	6012.9	6135.3
50°	6473.4	6449.2	6297.7	6323.2	6525.5	6543.7	6998.1	6956.9	6506.1	6691.6
52.5°	6731.5	6746.1	6713.4	6754.6	7030.9	7047.8	7659.8	7554.4	6994.5	7240.5
55°	6921.8	6950.9	7052.7	7147.2	7564.0	7581.0	8283.9	8122.7	7399.2	7749.5
57.5°	7166.6	7125.4	7315.6	7499.8	8070.6	8115.4	8891.0	8670.4	7757.9	8188.1
60°	7518.0	7488.9	7636.8	7909.4	8637.7	8709.2	9533.2	9163.6	8020.9	8535.9
62.5°	8230.5	8157.8	8180.9	8422.0	9352.7	9447.2	10257.9	9593.8	8151.8	8671.6
65°	9295.7	9170.9	9054.6	9221.8	10359.7	10453.0	11075.8	9931.9	8103.3	8408.7
67.5°	10637.2	10513.6	10370.6	10528.1	11842.9	11916.8	12085.3	10122.2	7721.6	7395.6
70°	11743.5	11697.5	11868.4	12516.7	14212.0	14214.4	13379.5	9964.6	6675.8	5243.5
72.5°	11596.9	11569.0	12469.4	14473.7	17197.8	17133.6	14604.6	8772.2	4497.0	2365.4
75°	9513.8	9694.4	11089.2	14438.6	18270.3	18261.8	13854.5	5576.7	1860.1	980.3
77.5°	5101.7	5387.7	7199.3	10660.2	14262.9	14477.4	9740.4	1951.0	798.6	627.7
80°	1663.8	1913.4	2869.5	5427.6	9267.8	9227.8	4174.6	765.9	546.5	444.7
82.5°	706.5	735.6	1282.1	2563.0	4756.3	4682.4	1329.3	439.9	384.1	304.2
85°	276.3	309.0	565.9	1185.1	2060.1	2015.2	479.9	218.1	246.0	198.7
87.5°	90.9	110.3	202.4	406.0	641.0	618.0	117.5	75.1	106.6	90.9
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°
2987.1	0°	2987.1	2987.1	2987.1	2987.1	2987.1	2987.1	2987.1	2987.1	2987.1	2987.1
2995.6	2.5°	3012.5	3031.9	3054.9	3088.9	3118.0	3142.2	3167.6	3183.4	3189.5	3207.6
3000.4	5°	3034.3	3076.8	3133.7	3189.5	3244.0	3276.7	3305.8	3320.3	3333.7	3343.4
3013.7	7.5°	3070.7	3125.2	3214.9	3287.6	3333.7	3360.3	3379.7	3374.9	3379.7	3382.1
3028.3	10°	3102.2	3178.5	3285.2	3354.3	3389.4	3390.6	3385.8	3368.8	3360.3	3361.5
3050.1	12.5°	3139.8	3224.6	3339.7	3397.9	3407.6	3380.9	3360.3	3331.2	3320.3	3315.5
3082.8	15°	3190.7	3287.6	3399.1	3420.9	3396.7	3362.7	3327.6	3280.3	3256.1	3236.7
3138.6	17.5°	3252.5	3359.1	3445.1	3429.4	3377.3	3321.5	3264.6	3193.1	3143.4	3122.8
3214.9	20°	3338.5	3434.2	3480.3	3411.2	3332.4	3247.6	3150.7	3063.4	3017.4	2996.8
3311.8	22.5°	3442.7	3534.8	3514.2	3379.7	3268.2	3132.5	3011.3	2947.1	2924.1	2909.5
3436.7	25°	3567.5	3646.3	3538.5	3333.7	3162.8	2979.8	2886.5	2865.9	2855.0	2844.1
3589.3	27.5°	3729.9	3772.3	3556.6	3265.8	2998.0	2817.4	2783.5	2787.1	2783.5	2765.3
3801.4	30°	3944.4	3935.9	3573.6	3155.5	2808.9	2670.8	2673.2	2689.0	2691.4	2679.3
4097.1	32.5°	4226.8	4140.7	3582.1	3012.5	2628.4	2542.4	2544.8	2561.7	2573.9	2553.3
4483.7	35°	4568.5	4379.4	3568.7	2833.2	2489.0	2420.0	2401.8	2406.6	2410.3	2390.9
4952.6	37.5°	4967.2	4647.2	3509.4	2634.5	2373.9	2300.0	2261.2	2228.5	2209.1	2190.9
5483.4	40°	5404.6	4939.3	3400.3	2440.6	2245.5	2172.8	2114.6	2052.8	1987.3	1963.1
6045.7	42.5°	5862.7	5239.8	3268.2	2255.2	2097.6	2038.2	1976.4	1886.8	1788.6	1738.9
6629.8	45°	6337.7	5547.6	3138.6	2072.2	1946.1	1920.7	1849.2	1741.4	1634.7	1571.7
7215.0	47.5°	6803.0	5838.4	2948.3	1888.0	1804.4	1832.2	1776.5	1677.1	1558.4	1459.0
7795.5	50°	7247.8	6111.1	2636.9	1701.4	1689.2	1805.6	1752.3	1609.3	1473.5	1346.3
8365.0	52.5°	7688.9	6331.6	2238.2	1531.7	1627.4	1798.3	1720.8	1563.2	1397.2	1263.9
8900.7	55°	8063.3	6445.6	1854.1	1386.3	1537.8	1736.5	1683.2	1508.7	1289.4	1147.6
9267.8	57.5°	8276.6	6353.5	1534.1	1243.3	1414.2	1634.7	1619.0	1392.4	1160.9	1051.8
9339.3	60°	8184.5	5980.2	1272.4	1118.5	1296.6	1524.4	1507.5	1277.2	1062.7	959.7
8956.4	62.5°	7676.7	5268.9	1065.2	1009.4	1190.0	1411.7	1396.0	1188.8	987.6	888.2
7939.7	65°	6654.0	4286.1	904.0	918.5	1082.1	1276.0	1299.0	1114.9	928.2	831.3
6142.6	67.5°	5075.0	3104.6	778.0	839.8	976.7	1142.7	1209.4	1061.5	878.6	786.5
3554.2	70°	2892.6	1763.2	671.3	763.4	883.4	1019.1	1140.3	1019.1	825.2	748.9
1331.8	72.5°	1096.7	809.5	580.5	687.1	793.7	914.9	1064.0	952.5	763.4	706.5
688.3	75°	585.3	493.2	488.4	597.4	690.7	813.1	968.2	887.0	717.4	746.5
476.2	77.5°	398.7	349.0	408.4	511.4	578.0	700.4	866.4	787.7	621.7	619.2
329.6	80°	276.3	247.2	332.0	412.0	447.2	588.9	756.2	676.2	506.5	472.6
203.6	82.5°	166.0	161.2	248.4	307.8	316.3	454.4	626.5	567.1	414.4	361.1
121.2	85°	90.9	95.7	158.7	180.6	184.2	317.5	490.8	438.7	318.7	267.8
43.6	87.5°	25.4	32.7	58.2	71.5	88.5	164.8	292.0	260.5	160.0	111.5
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°
2987.1
3206.4
3345.8
3385.8
3364.0
3313.1
3242.8
3124.0
2994.4
2912.0
2844.1
2769.0
2685.3
2563.0
2404.2
2203.0
1974.0
1745.0
1566.9
1448.1
1335.4
1249.4
1135.5
1037.3
945.2
872.5
815.5
771.9
739.2
696.8
770.7
570.8
452.0
363.5
270.2
111.5
0.0

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