

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: P852441

Luminaire Tested: **GLAN-SB3D-835-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852441  
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-SB3D-835-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24986 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

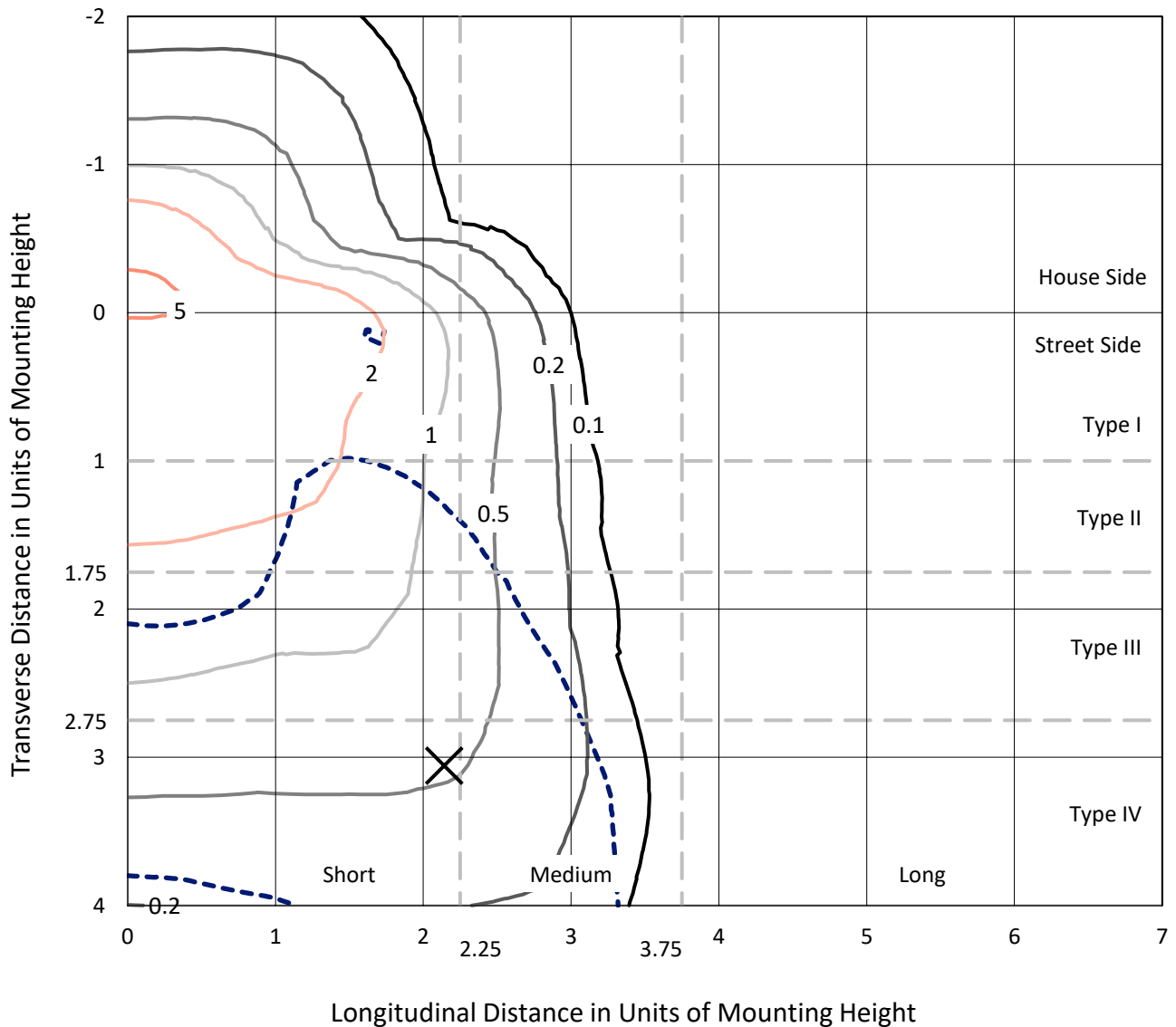
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

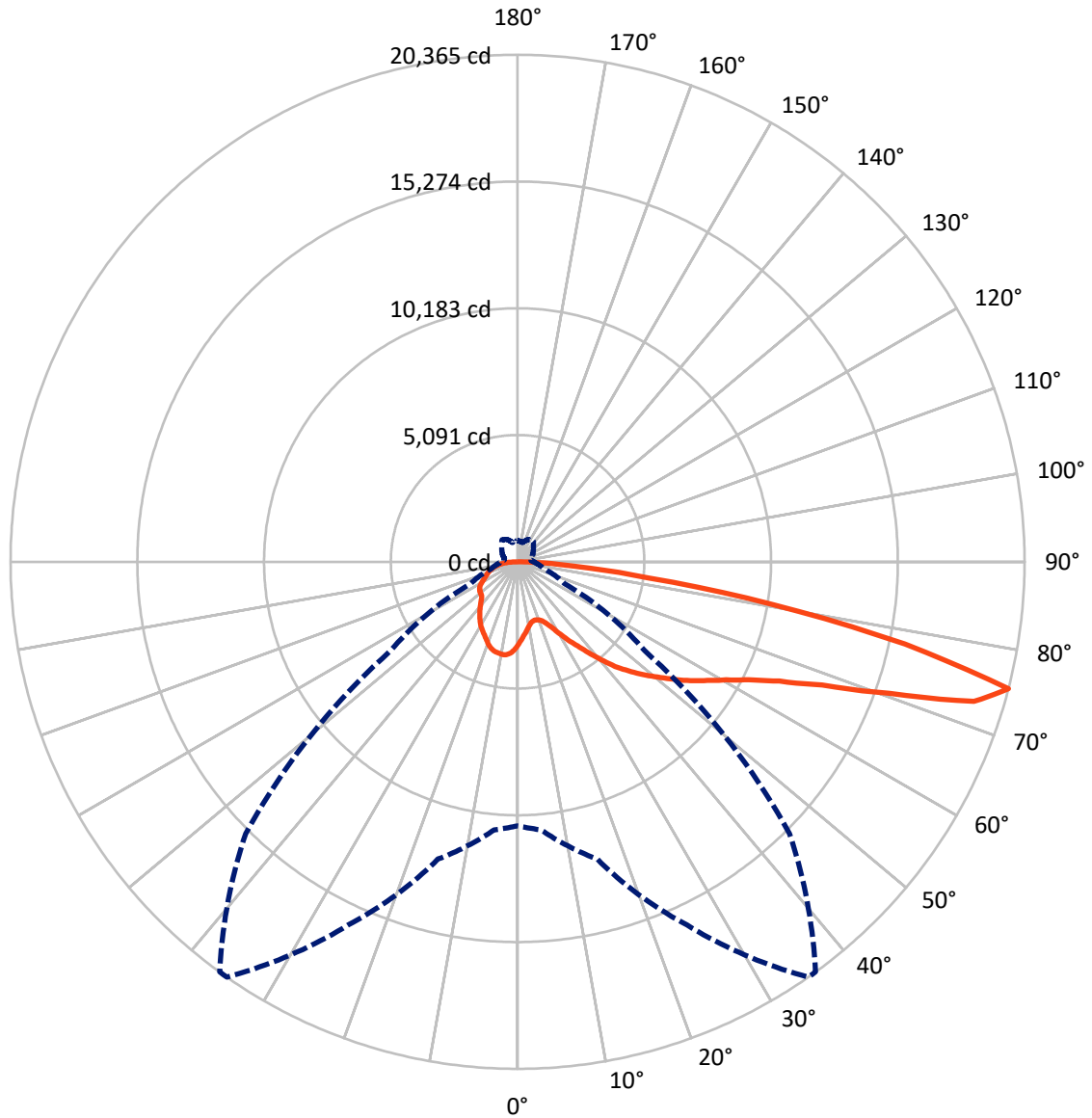
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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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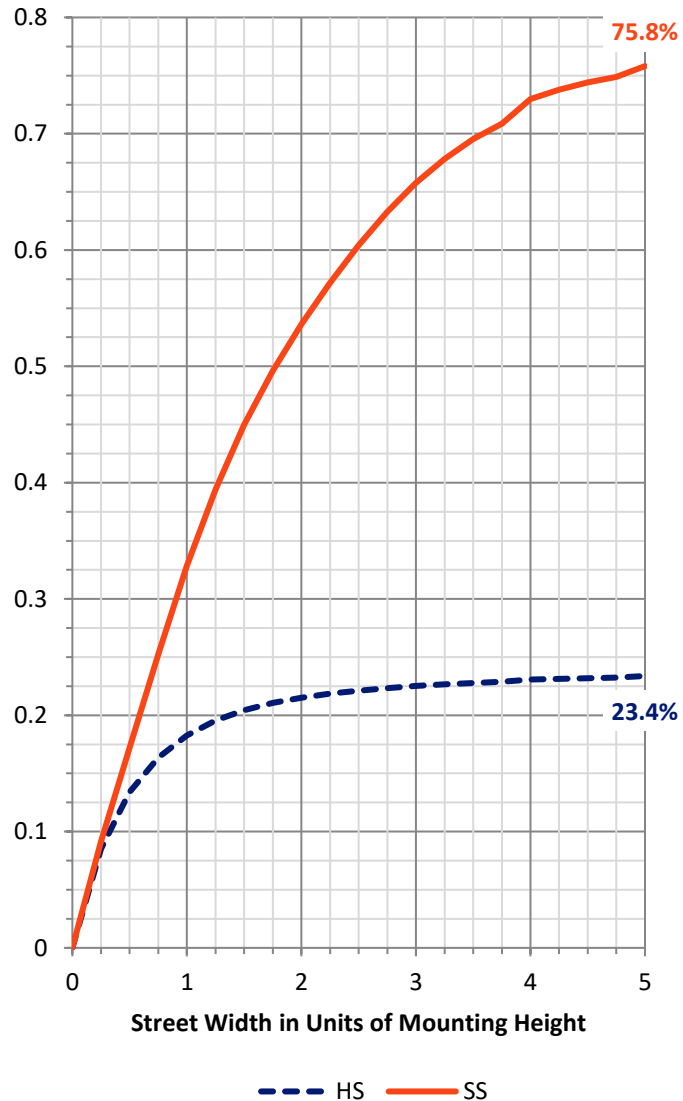
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5946.0	0.0	5946.0
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	19040.0	0.0	19040.0
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	24986.0	0.0	24986.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.2	1.3
10°-20°	909.3	3.6
20°-30°	1526.9	6.1
30°-40°	2373.1	9.5
40°-50°	3522.3	14.1
50°-60°	4862.7	19.5
60°-70°	5899.6	23.6
70°-80°	4875.6	19.5
80°-90°	701.3	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°	24986.0	100.0
0°-180°	24986.0	100.0

**Coefficient of Utilization**



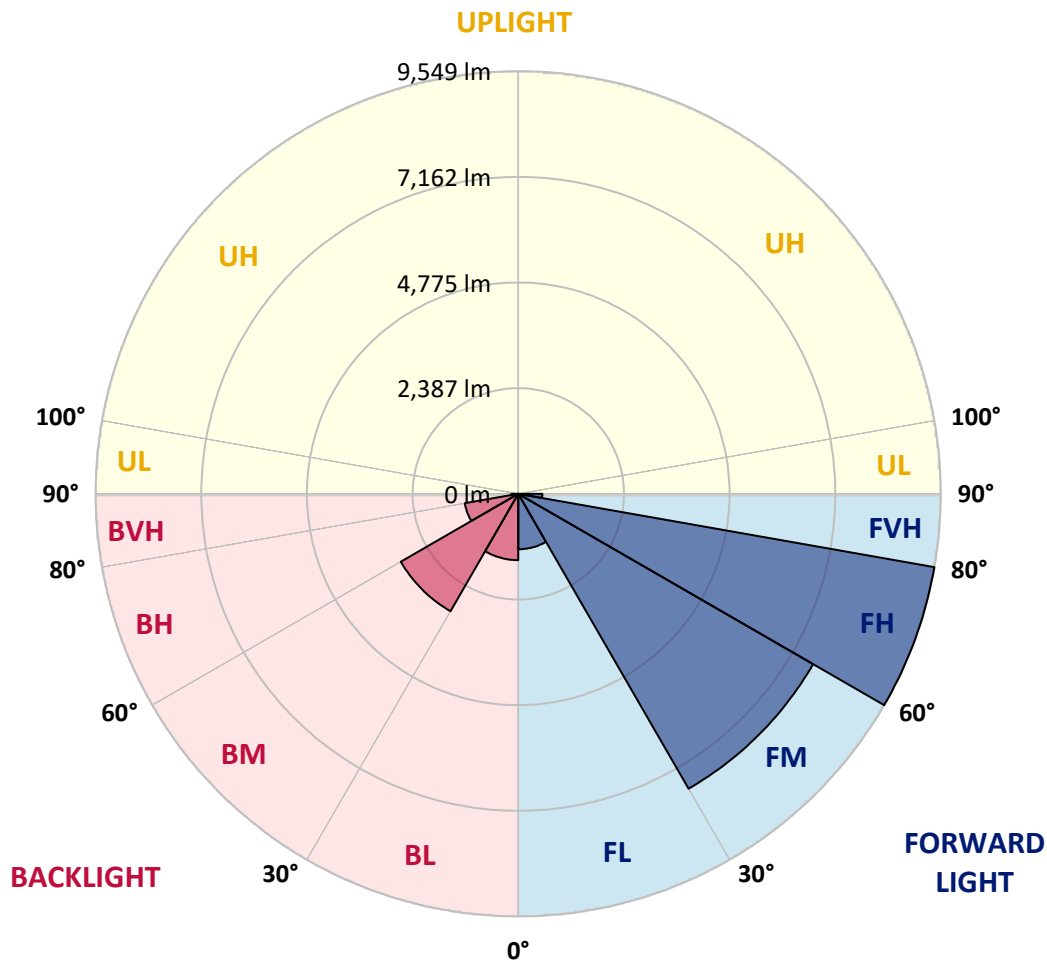
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1253.0	5.0			
FM (30°-60°)	7694.3	30.8			
FH (60°-80°)	9549.3	38.2			G4/12000
FVH (80°-90°)	543.3	2.2			G4/750
BL (0°-30°)	1498.5	6.0	B3/2500		
BM (30°-60°)	3063.8	12.3	B3/5000		
BH (60°-80°)	1225.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	157.9	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°	3329.6	3329.6	3329.6	3329.6	3329.6	3329.6	3329.6	3329.6	3329.6	3329.6
2.5°	3070.2	3089.1	3097.2	3093.2	3113.4	3110.7	3139.1	3174.2	3222.8	3270.1
5°	2833.8	2854.1	2871.7	2887.9	2927.0	2939.2	2983.8	3051.3	3140.5	3231.0
7.5°	2613.7	2631.2	2658.2	2688.0	2754.1	2766.3	2840.6	2945.9	3070.2	3202.6
10°	2434.0	2451.6	2479.9	2513.7	2596.1	2611.0	2705.5	2846.0	3008.1	3175.6
12.5°	2357.0	2362.4	2378.6	2412.4	2484.0	2493.5	2597.5	2758.2	2947.3	3155.3
15°	2353.0	2363.8	2365.1	2382.7	2442.1	2446.2	2542.1	2701.5	2909.5	3151.3
17.5°	2393.5	2401.6	2389.4	2400.3	2450.2	2457.0	2532.6	2674.4	2897.3	3168.8
20°	2501.6	2508.3	2471.8	2457.0	2493.5	2498.9	2573.1	2692.0	2909.5	3205.3
22.5°	2731.2	2735.2	2646.1	2585.3	2588.0	2590.7	2655.5	2763.6	2956.8	3271.5
25°	3089.1	3086.4	2944.6	2827.1	2759.5	2744.7	2787.9	2879.8	3036.4	3359.3
27.5°	3507.9	3487.6	3345.8	3170.2	3022.9	3001.3	2991.9	3031.0	3149.9	3475.4
30°	3980.6	3961.7	3809.1	3579.4	3375.5	3340.4	3251.2	3231.0	3318.7	3633.5
32.5°	4499.3	4487.1	4304.8	4026.5	3753.7	3713.2	3563.2	3509.2	3578.1	3872.5
35°	4934.2	4923.4	4772.1	4485.8	4152.1	4102.2	3949.5	3888.8	3923.9	4179.2
37.5°	5327.3	5321.9	5192.2	4966.6	4622.2	4561.4	4389.9	4369.6	4362.9	4583.0
40°	5692.0	5678.5	5543.4	5424.5	5169.3	5113.9	4962.6	4945.0	4893.7	5080.1
42.5°	6095.9	6060.7	5864.9	5809.5	5740.6	5694.7	5604.2	5606.9	5493.4	5640.7
45°	6425.4	6405.2	6203.9	6171.5	6245.8	6226.9	6305.2	6325.5	6105.3	6228.2
47.5°	6779.3	6760.4	6590.2	6567.3	6768.5	6773.9	7050.8	7057.6	6702.3	6838.8
50°	7215.6	7188.6	7019.8	7048.1	7273.7	7294.0	7800.5	7754.6	7252.1	7458.7
52.5°	7503.3	7519.5	7483.1	7529.0	7836.9	7855.9	8538.0	8420.5	7796.4	8070.6
55°	7715.4	7747.8	7861.3	7966.6	8431.3	8450.2	9233.6	9054.0	8247.6	8637.9
57.5°	7988.2	7942.3	8154.4	8359.7	8995.9	9045.8	9910.3	9664.5	8647.4	9126.9
60°	8379.9	8347.5	8512.3	8816.2	9628.0	9707.7	10626.2	10214.2	8940.5	9514.6
62.5°	9174.2	9093.1	9118.8	9387.6	10424.9	10530.3	11433.9	10693.7	9086.4	9665.8
65°	10361.5	10222.3	10092.7	10279.1	11547.4	11651.4	12345.7	11070.6	9032.3	9372.7
67.5°	11856.7	11718.9	11559.6	11735.2	13200.7	13283.1	13470.8	11282.7	8606.9	8243.5
70°	13089.9	13038.6	13229.1	13951.7	15841.4	15844.1	14913.4	11107.1	7441.2	5844.6
72.5°	12926.5	12895.4	13899.0	16133.1	19169.6	19098.0	16279.0	9777.9	5012.6	2636.6
75°	10604.6	10805.9	12360.5	16094.0	20365.0	20355.5	15442.9	6216.1	2073.4	1092.7
77.5°	5686.6	6005.4	8024.7	11882.4	15898.1	16137.2	10857.2	2174.7	890.1	699.7
80°	1854.6	2132.8	3198.5	6049.9	10330.4	10285.8	4653.3	853.7	609.2	495.7
82.5°	787.5	819.9	1429.1	2856.8	5301.6	5219.2	1481.8	490.3	428.2	339.0
85°	308.0	344.4	630.8	1321.0	2296.2	2246.3	534.9	243.1	274.2	221.5
87.5°	101.3	122.9	225.6	452.5	714.5	688.9	131.0	83.7	118.9	101.3
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°
3329.6	0°	3329.6	3329.6	3329.6	3329.6	3329.6	3329.6	3329.6	3329.6	3329.6	3329.6
3339.0	2.5°	3357.9	3379.5	3405.2	3443.0	3475.4	3502.4	3530.8	3548.4	3555.1	3575.4
3344.4	5°	3382.2	3429.5	3493.0	3555.1	3615.9	3652.4	3684.8	3701.0	3715.9	3726.7
3359.3	7.5°	3422.8	3483.5	3583.5	3664.5	3715.9	3745.6	3767.2	3761.8	3767.2	3769.9
3375.5	10°	3457.9	3543.0	3661.8	3738.8	3778.0	3779.3	3773.9	3755.0	3745.6	3746.9
3399.8	12.5°	3499.7	3594.3	3722.6	3787.5	3798.3	3768.5	3745.6	3713.2	3701.0	3695.6
3436.3	15°	3556.5	3664.5	3788.8	3813.1	3786.1	3748.3	3709.1	3656.4	3629.4	3607.8
3498.4	17.5°	3625.4	3744.2	3840.1	3822.6	3764.5	3702.4	3638.9	3559.2	3503.8	3480.8
3583.5	20°	3721.3	3828.0	3879.3	3802.3	3714.5	3620.0	3511.9	3414.6	3363.3	3340.4
3691.5	22.5°	3837.4	3940.1	3917.1	3767.2	3642.9	3491.6	3356.6	3285.0	3259.3	3243.1
3830.7	25°	3976.6	4064.4	3944.1	3715.9	3525.4	3321.4	3217.4	3194.5	3182.3	3170.2
4000.9	27.5°	4157.6	4204.8	3964.4	3640.2	3341.7	3140.5	3102.6	3106.7	3102.6	3082.4
4237.2	30°	4396.6	4387.2	3983.3	3517.3	3131.0	2977.0	2979.7	2997.3	3000.0	2986.5
4566.8	32.5°	4711.4	4615.5	3992.8	3357.9	2929.7	2833.8	2836.5	2855.4	2869.0	2846.0
4997.7	35°	5092.3	4881.5	3977.9	3158.0	2774.4	2697.4	2677.2	2682.6	2686.6	2665.0
5520.4	37.5°	5536.6	5180.1	3911.7	2936.5	2646.1	2563.7	2520.5	2484.0	2462.4	2442.1
6112.1	40°	6024.3	5505.6	3790.2	2720.4	2502.9	2421.9	2357.0	2288.1	2215.2	2188.2
6738.8	42.5°	6534.8	5840.6	3642.9	2513.7	2338.1	2271.9	2203.0	2103.1	1993.7	1938.3
7389.9	45°	7064.3	6183.6	3498.4	2309.8	2169.3	2140.9	2061.2	1941.0	1822.1	1751.9
8042.3	47.5°	7583.0	6507.8	3286.3	2104.4	2011.2	2042.3	1980.2	1869.4	1737.0	1626.3
8689.3	50°	8078.7	6811.7	2939.2	1896.4	1882.9	2012.6	1953.2	1793.8	1642.5	1500.7
9324.1	52.5°	8570.4	7057.6	2494.8	1707.3	1814.0	2004.5	1918.0	1742.4	1557.4	1408.8
9921.1	55°	8987.8	7184.5	2066.6	1545.2	1714.1	1935.6	1876.2	1681.7	1437.2	1279.1
10330.4	57.5°	9225.5	7081.9	1710.0	1385.9	1576.3	1822.1	1804.6	1552.0	1294.0	1172.4
10410.1	60°	9122.8	6665.9	1418.3	1246.7	1445.3	1699.2	1680.3	1423.7	1184.6	1069.8
9983.3	62.5°	8556.9	5873.0	1187.3	1125.2	1326.4	1573.6	1556.0	1325.1	1100.8	990.1
8850.0	65°	7416.9	4777.5	1007.6	1023.9	1206.2	1422.3	1448.0	1242.7	1034.7	926.6
6846.9	67.5°	5656.9	3460.6	867.2	936.1	1088.7	1273.7	1348.0	1183.2	979.3	876.6
3961.7	70°	3224.2	1965.3	748.3	851.0	984.7	1136.0	1271.0	1136.0	919.8	834.8
1484.5	72.5°	1222.4	902.3	647.0	765.9	884.7	1019.8	1185.9	1061.7	851.0	787.5
767.2	75°	652.4	549.7	544.3	665.9	769.9	906.3	1079.2	988.7	799.6	832.1
530.8	77.5°	444.4	389.0	455.2	570.0	644.3	780.7	965.8	878.0	692.9	690.2
367.4	80°	308.0	275.5	370.1	459.2	498.4	656.5	842.9	753.7	564.6	526.8
226.9	82.5°	185.1	179.6	276.9	343.1	352.5	506.5	698.3	632.1	462.0	402.5
135.1	85°	101.3	106.7	176.9	201.3	205.3	353.9	547.0	489.0	355.2	298.5
48.6	87.5°	28.4	36.5	64.8	79.7	98.6	183.7	325.5	290.4	178.3	124.3
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°
3329.6
3574.0
3729.4
3773.9
3749.6
3692.9
3614.6
3482.2
3337.7
3245.8
3170.2
3086.4
2993.2
2856.8
2679.9
2455.6
2200.3
1945.1
1746.5
1614.1
1488.5
1392.6
1265.6
1156.2
1053.6
972.5
909.0
860.4
823.9
776.7
859.1
636.2
503.8
405.2
301.2
124.3
0.0

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