

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: P846986

Luminaire Tested: **GLAN-SB2D-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17932 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

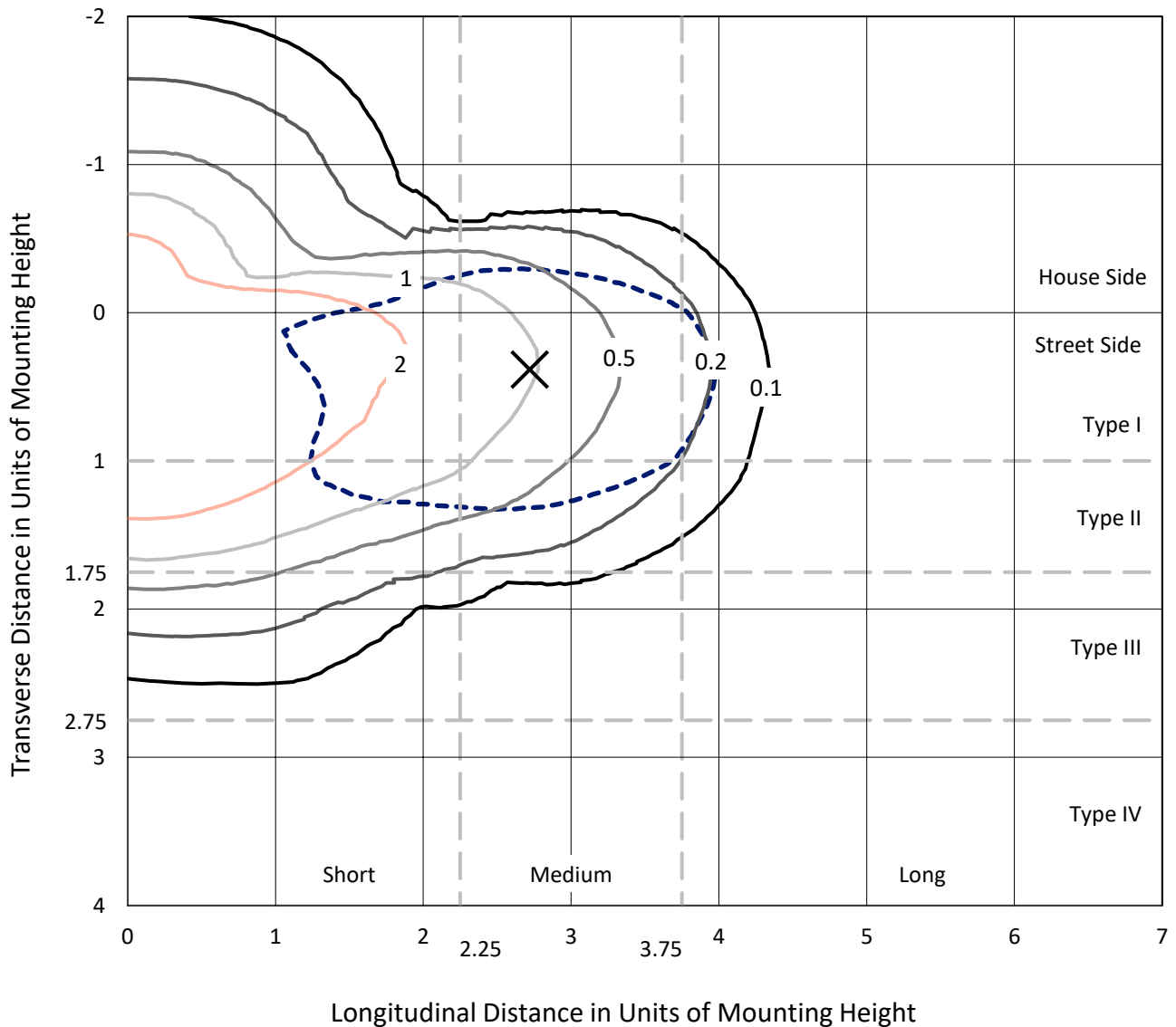
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846986
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Iso-Footcandle Lines of Horizontal Illumination

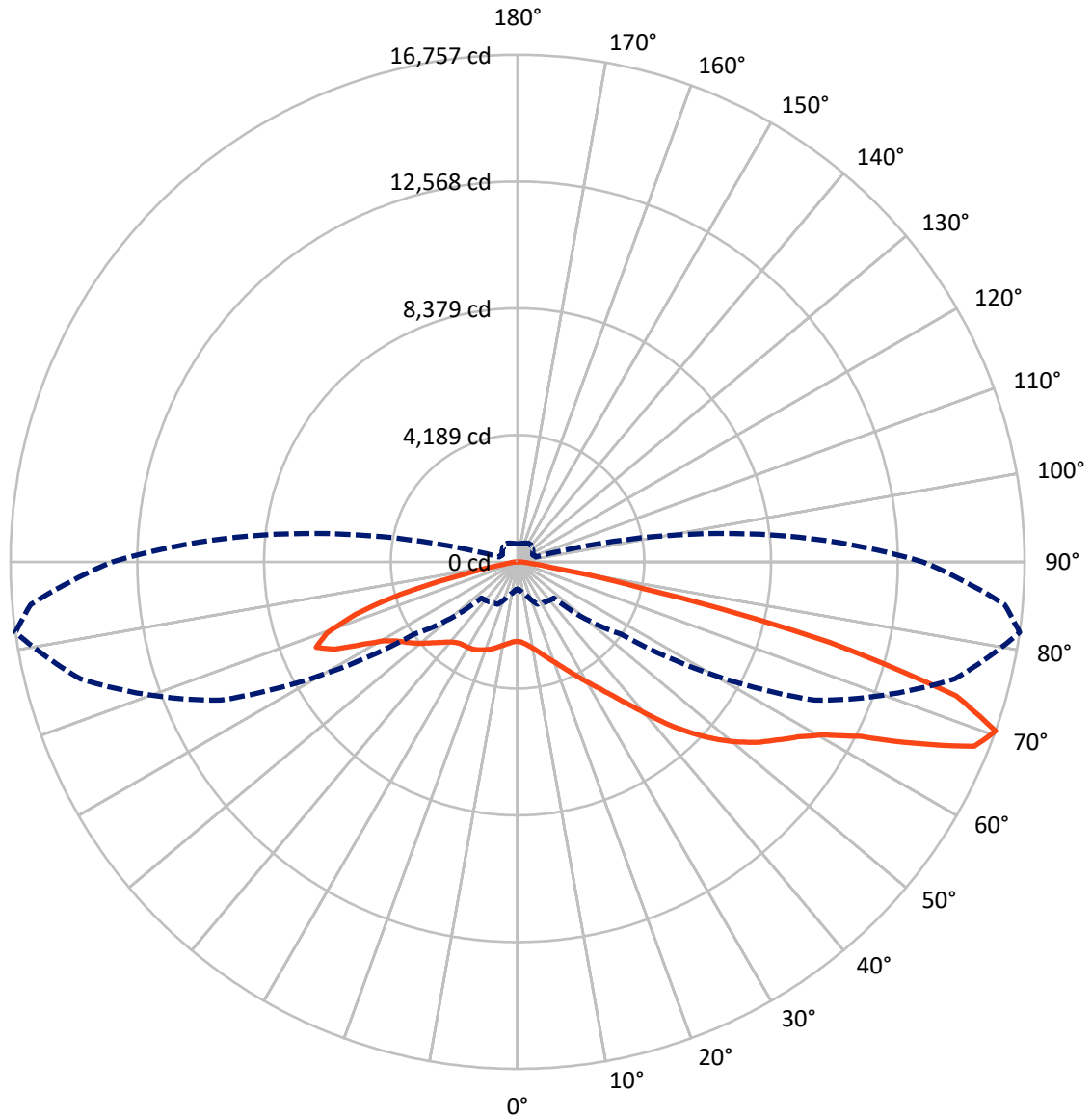
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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 CATALOG NUMBER: GLAN-SB2D-840-U-T2

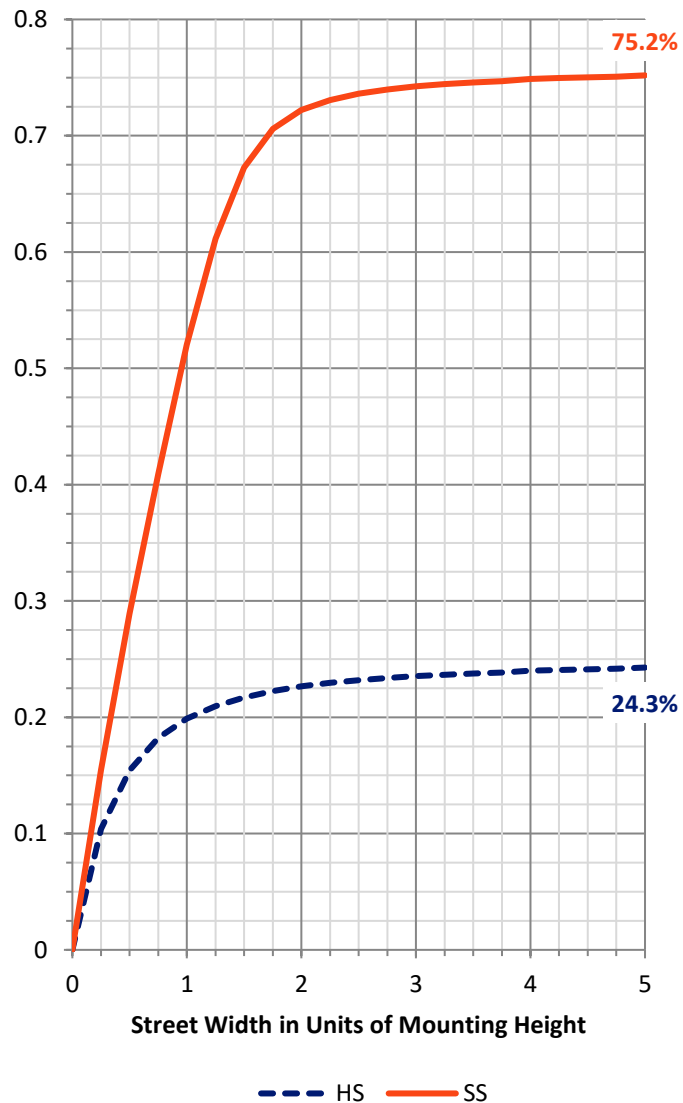
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4420.7	0.0	4420.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	13511.3	0.0	13511.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	17932.0	0.0	17932.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.2	1.4
10°-20°	713.2	4.0
20°-30°	1193.1	6.7
30°-40°	1863.9	10.4
40°-50°	2968.5	16.6
50°-60°	4131.0	23.0
60°-70°	4321.2	24.1
70°-80°	2258.5	12.6
80°-90°	234.5	1.3
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°	17932.0	100.0
0°-180°	17932.0	100.0

Coefficient of Utilization

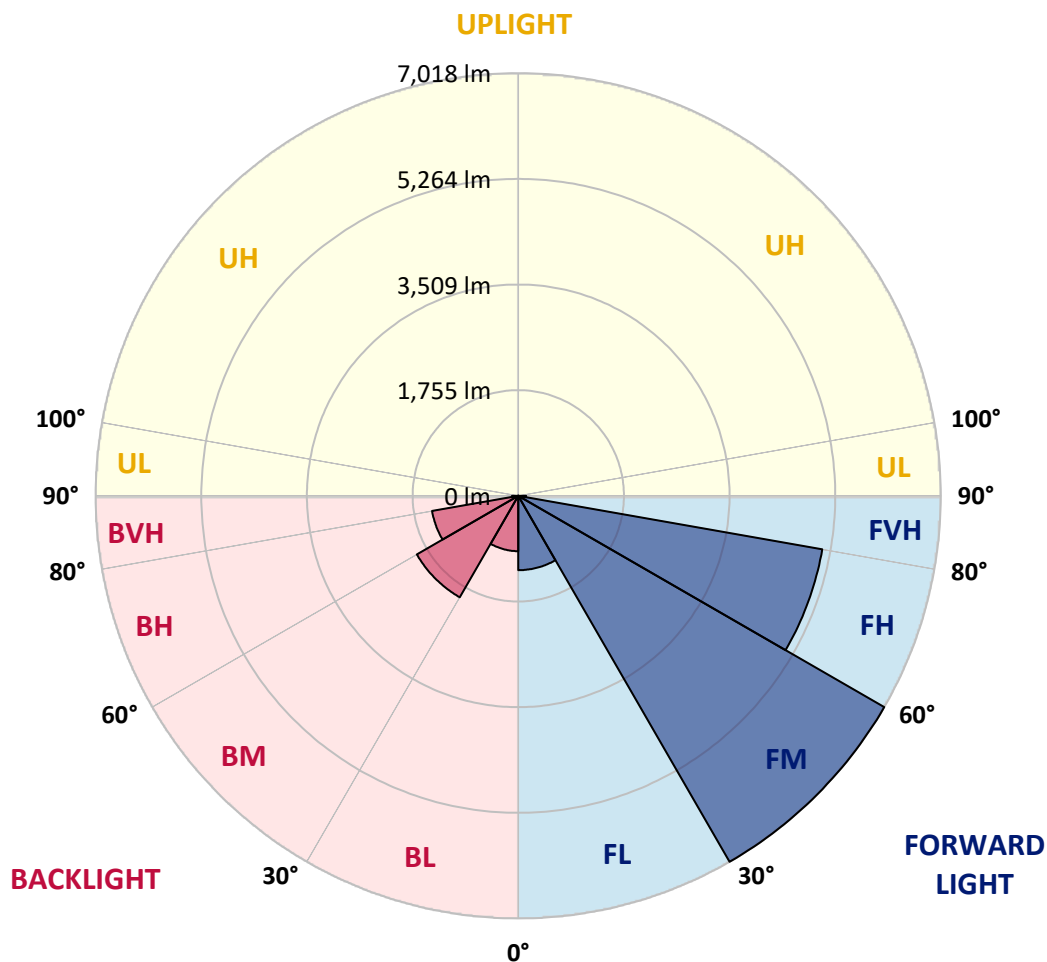


REPORT NUMBER: P846986
 CATALOG NUMBER: GLAN-SB2D-840-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1234.8	6.9			
FM (30°-60°)	7018.4	39.1			
FH (60°-80°)	5126.8	28.6			G3/7500
FVH (80°-90°)	131.3	0.7			G2/225
BL (0°-30°)	919.7	5.1	B2/1000		
BM (30°-60°)	1944.9	10.8	B2/2500		
BH (60°-80°)	1452.9	8.1	B3/2500		G3/2500
BVH (80°-90°)	103.2	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 Medium



REPORT NUMBER: P846986
 CATALOG NUMBER: GLAN-SB2D-840-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1
2.5°	2691.9	2707.1	2702.3	2697.6	2697.6	2690.9	2690.0	2680.4	2672.8	2660.5
5°	2726.1	2742.3	2740.4	2744.2	2756.6	2759.4	2762.3	2756.6	2741.3	2726.1
7.5°	2695.7	2713.7	2719.5	2742.3	2780.3	2814.6	2840.3	2850.8	2836.5	2814.6
10°	2592.9	2612.9	2632.9	2687.1	2754.7	2835.5	2904.0	2945.0	2942.1	2921.2
12.5°	2384.5	2405.4	2448.3	2553.9	2677.6	2820.3	2947.8	3033.5	3062.9	3047.7
15°	2218.0	2236.1	2268.4	2376.9	2537.7	2754.7	2964.0	3130.5	3205.7	3197.1
17.5°	2213.2	2220.9	2240.8	2292.2	2415.9	2651.9	2946.9	3225.7	3369.3	3368.4
20°	2297.0	2299.8	2311.2	2321.7	2392.1	2573.9	2903.1	3304.6	3553.0	3553.0
22.5°	2413.1	2411.2	2422.6	2413.1	2447.3	2567.2	2875.5	3374.1	3757.6	3772.8
25°	2587.2	2577.7	2574.8	2552.9	2559.6	2629.1	2905.9	3453.1	4000.2	4031.6
27.5°	2819.4	2804.1	2793.7	2743.2	2726.1	2756.6	2999.2	3548.2	4270.4	4324.7
30°	3121.9	3094.3	3079.1	2991.6	2929.7	2934.5	3140.0	3674.8	4553.0	4640.6
32.5°	3534.9	3492.1	3451.2	3307.5	3194.3	3157.2	3321.8	3849.9	4859.4	4999.3
35°	3997.3	3963.1	3919.3	3697.6	3523.5	3437.8	3567.3	4094.4	5218.1	5439.9
37.5°	4442.7	4413.2	4434.1	4135.3	3910.8	3786.1	3888.9	4422.7	5660.6	5987.9
40°	4903.2	4880.4	4883.2	4597.8	4336.1	4196.2	4279.0	4834.7	6167.8	6639.7
42.5°	5403.7	5386.6	5329.5	5076.4	4782.3	4652.0	4728.1	5310.4	6712.0	7381.9
45°	5964.1	5953.7	5900.4	5610.2	5273.3	5126.8	5229.6	5835.7	7259.2	8080.3
47.5°	6448.5	6457.0	6450.4	6205.8	5856.6	5641.6	5764.3	6383.8	7768.2	8736.9
50°	6681.6	6726.3	6792.0	6715.8	6498.9	6280.0	6303.8	6912.8	8253.5	9352.5
52.5°	6559.8	6644.5	6823.4	6945.2	7028.9	6983.2	6919.5	7438.0	8710.2	9908.2
55°	6105.9	6224.9	6521.7	6815.8	7243.0	7575.1	7658.8	8020.4	9155.5	10397.3
57.5°	5279.0	5472.2	5738.6	6333.3	7052.7	7861.5	8520.9	8828.2	9627.5	10919.7
60°	3861.3	4120.1	4451.2	5336.1	6386.6	7708.3	9254.5	10069.0	10298.3	11596.2
62.5°	2471.1	2631.0	2935.4	3769.0	4976.5	6923.3	9479.1	11620.0	11435.4	12705.7
65°	1691.8	1794.6	2073.4	2541.5	3217.1	5153.4	8877.7	12782.7	13241.4	14464.1
67.5°	1229.4	1307.4	1545.3	1955.4	2096.2	3049.6	6889.0	12729.5	14996.9	16275.8
70°	896.3	951.5	1151.3	1545.3	1612.8	1696.6	4173.4	10820.7	14958.9	16757.3
72.5°	664.2	702.2	836.4	1198.9	1305.5	1145.6	2065.8	7864.3	12854.1	15156.8
75°	480.5	509.1	608.0	917.3	1044.8	872.5	1030.5	4595.9	8966.2	10661.8
77.5°	367.3	389.2	453.9	671.8	836.4	654.6	639.4	2114.3	4251.4	4272.3
80°	295.0	309.2	344.5	472.9	641.3	490.0	416.8	853.5	1343.5	1137.1
82.5°	216.9	240.7	291.2	332.1	458.6	337.8	254.1	431.0	511.0	439.6
85°	123.7	139.9	176.0	237.9	293.1	206.5	145.6	191.3	237.9	195.1
87.5°	43.8	57.1	61.8	93.2	127.5	85.6	56.1	55.2	78.0	58.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846986
 CATALOG NUMBER: GLAN-SB2D-840-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2629.1	0°	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1	2629.1
2657.6	2.5°	2648.1	2643.3	2624.3	2598.6	2572.0	2546.3	2537.7	2519.6	2507.3	2500.6
2719.5	5°	2701.4	2686.1	2641.4	2584.3	2524.4	2459.7	2414.0	2372.1	2341.7	2313.2
2804.1	7.5°	2777.5	2750.9	2673.8	2573.9	2467.3	2359.8	2279.8	2218.9	2178.0	2151.4
2903.1	10°	2866.0	2825.1	2707.1	2557.7	2393.1	2238.9	2144.7	2092.4	2066.7	2052.4
3016.3	12.5°	2967.8	2909.8	2741.3	2520.6	2279.8	2103.8	2039.1	2023.9	2024.8	2025.8
3159.1	15°	3093.4	3012.5	2768.9	2439.7	2132.4	2000.1	1988.7	2013.4	2039.1	2051.5
3320.8	17.5°	3235.2	3121.0	2773.7	2306.5	1987.7	1933.5	1969.7	2022.9	2061.9	2079.1
3501.6	20°	3387.4	3231.4	2739.4	2118.1	1868.8	1879.3	1944.0	2012.5	2055.3	2077.2
3708.1	22.5°	3561.5	3349.4	2657.6	1920.2	1771.7	1820.3	1896.4	1963.0	2007.7	2029.6
3950.7	25°	3760.4	3481.6	2529.1	1753.7	1688.0	1753.7	1829.8	1885.0	1921.1	1941.1
4221.9	27.5°	3981.2	3619.6	2357.9	1621.4	1614.7	1685.1	1747.9	1790.8	1809.8	1825.0
4510.2	30°	4202.9	3745.2	2150.4	1521.5	1551.0	1617.6	1662.3	1681.3	1687.0	1689.9
4831.8	32.5°	4442.7	3853.7	1932.5	1438.7	1490.1	1551.9	1578.6	1587.1	1560.5	1542.4
5222.0	35°	4732.9	3969.8	1719.4	1373.0	1430.1	1483.4	1492.0	1484.4	1453.0	1415.9
5711.0	37.5°	5091.6	4114.4	1549.1	1326.4	1374.0	1409.2	1398.7	1396.8	1399.7	1355.9
6299.1	40°	5531.2	4302.8	1424.4	1290.3	1328.3	1335.9	1306.4	1322.6	1336.9	1270.3
6944.2	42.5°	6019.3	4530.2	1345.5	1265.5	1290.3	1272.2	1226.5	1244.6	1242.7	1155.1
7592.2	45°	6517.0	4777.6	1317.9	1247.4	1255.1	1218.9	1168.5	1173.2	1133.3	1054.3
8213.5	47.5°	7011.8	5043.1	1335.0	1232.2	1211.3	1170.4	1131.4	1110.4	1051.4	992.4
8809.2	50°	7497.0	5321.9	1397.8	1201.8	1151.3	1127.6	1099.0	1061.9	999.1	948.7
9372.5	52.5°	7947.1	5602.6	1468.2	1151.3	1076.2	1090.4	1072.4	1029.5	967.7	916.3
9905.3	55°	8373.4	5883.3	1495.8	1081.9	1005.8	1058.1	1047.6	968.6	894.4	852.6
10462.9	57.5°	8837.7	6221.1	1465.3	993.4	948.7	1021.0	981.0	893.5	850.7	819.3
11188.9	60°	9481.0	6751.0	1399.7	884.0	894.4	965.8	897.3	861.1	814.5	779.3
12277.5	62.5°	10549.5	7739.7	1294.1	775.5	830.7	884.0	857.3	821.2	773.6	739.3
14138.7	65°	12129.1	9113.7	1095.2	690.8	759.3	804.0	814.5	778.3	728.9	692.7
15769.6	67.5°	13461.2	9975.8	828.8	620.4	686.0	739.3	768.8	733.6	681.3	646.1
16151.1	70°	13387.9	9349.7	632.8	550.9	621.3	675.6	713.6	686.0	629.9	596.6
14670.6	72.5°	11891.2	7821.5	511.9	480.5	555.7	609.0	654.6	633.7	576.6	544.3
10747.4	75°	8735.9	5552.1	409.2	409.2	473.9	539.5	589.9	576.6	524.3	501.5
4512.1	77.5°	3682.4	2329.3	320.7	339.7	393.9	463.4	526.2	530.9	485.3	513.8
1193.2	80°	979.1	642.3	244.5	267.4	309.2	382.5	457.7	455.8	406.3	379.7
443.4	82.5°	373.0	253.1	174.1	188.4	223.6	293.1	362.5	373.9	324.5	280.7
174.1	85°	143.7	108.5	107.5	113.2	130.4	194.1	274.0	283.6	244.5	207.4
48.5	87.5°	37.1	32.4	40.0	38.1	59.9	103.7	157.0	162.7	149.4	86.6
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°
2629.1
2508.2
2324.6
2157.1
2056.2
2027.7
2050.5
2082.9
2082.9
2035.3
1946.8
1830.7
1696.6
1548.1
1417.8
1358.8
1272.2
1154.2
1057.1
992.4
944.9
917.3
848.8
816.4
777.4
739.3
694.6
647.0
599.5
544.3
494.8
466.2
353.0
280.7
214.1
123.7
0.0

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