

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: P852291

Luminaire Tested: **GLAN-SB2D-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852291
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-SB2D-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19429 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

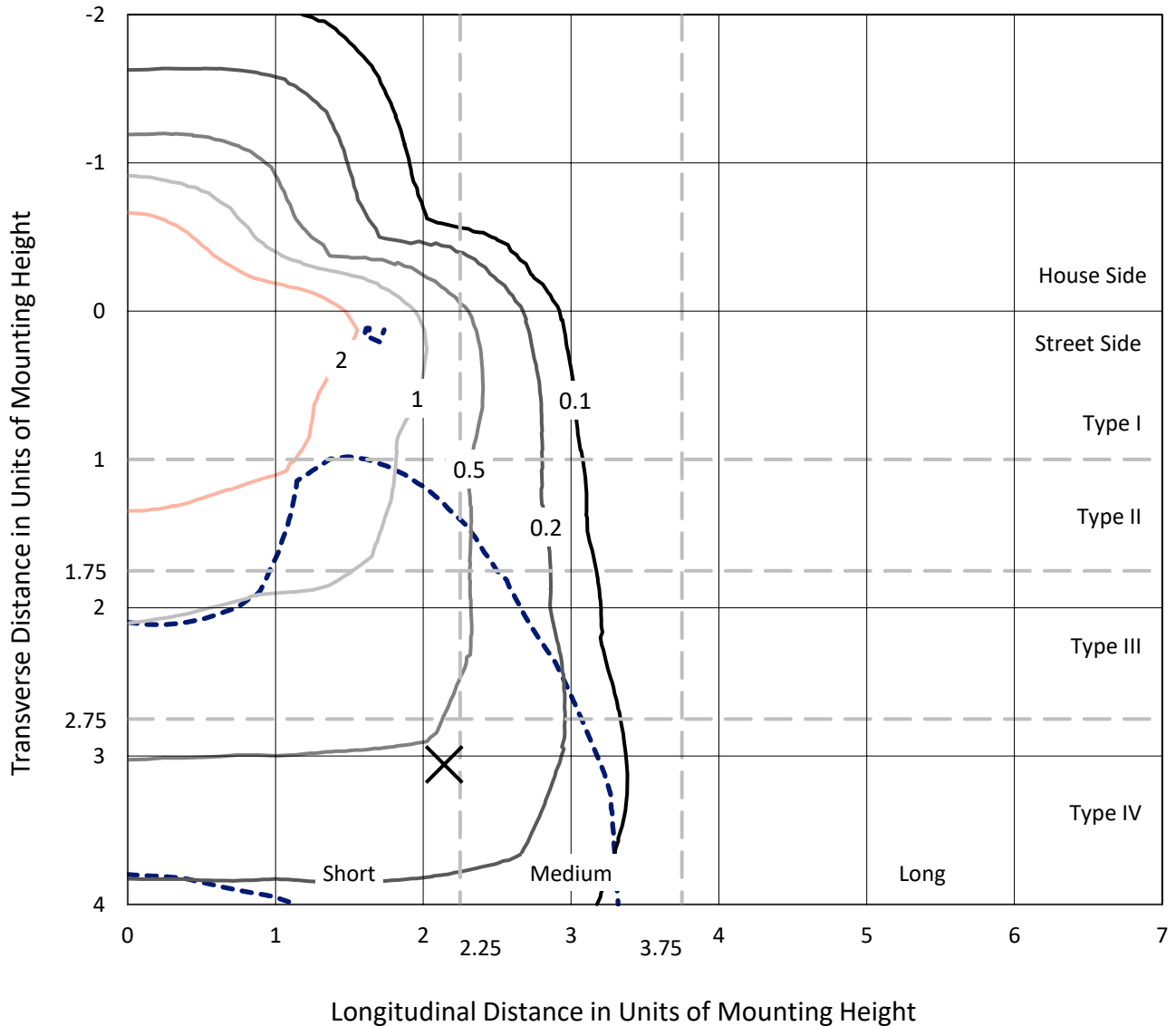
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

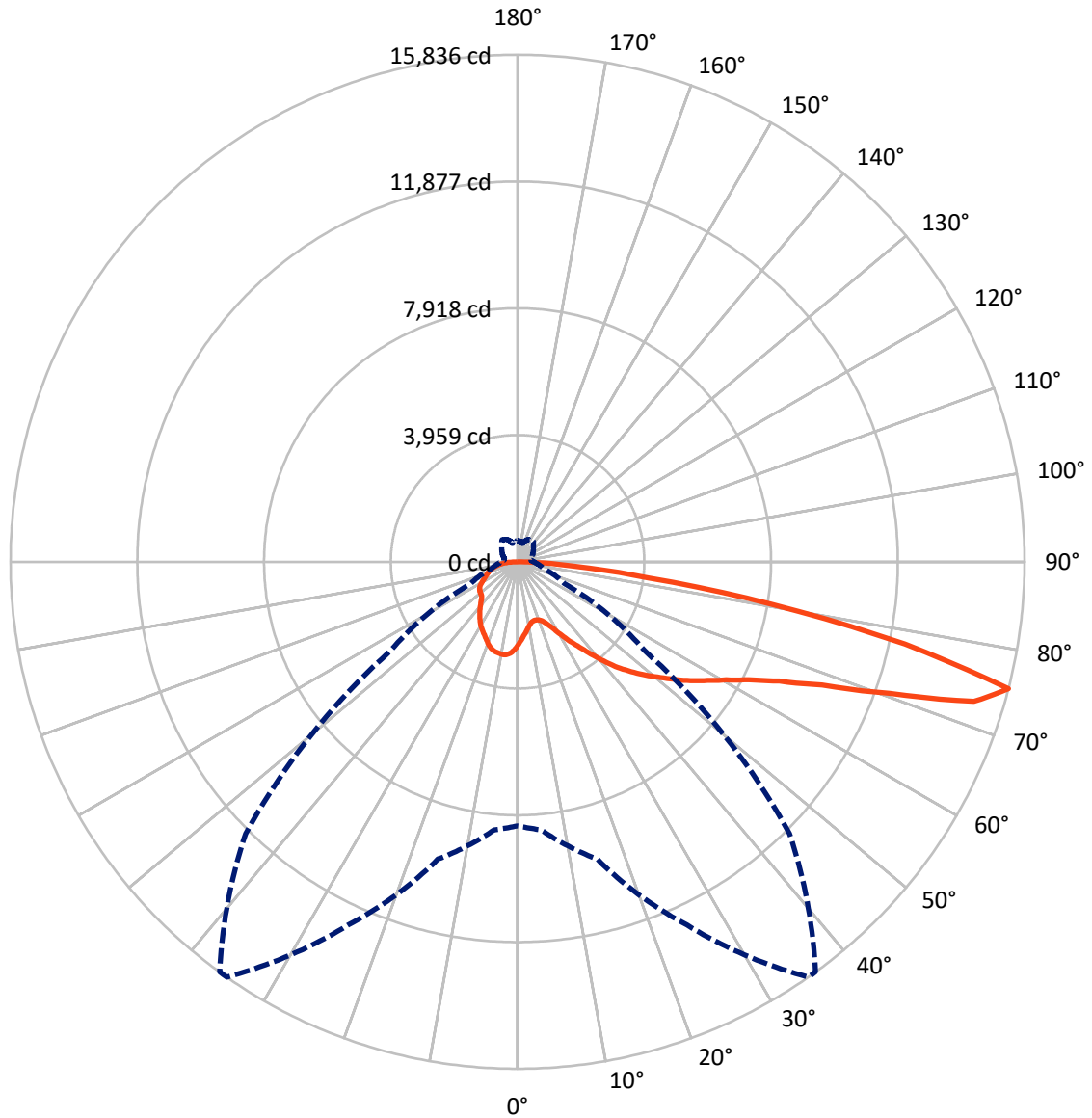
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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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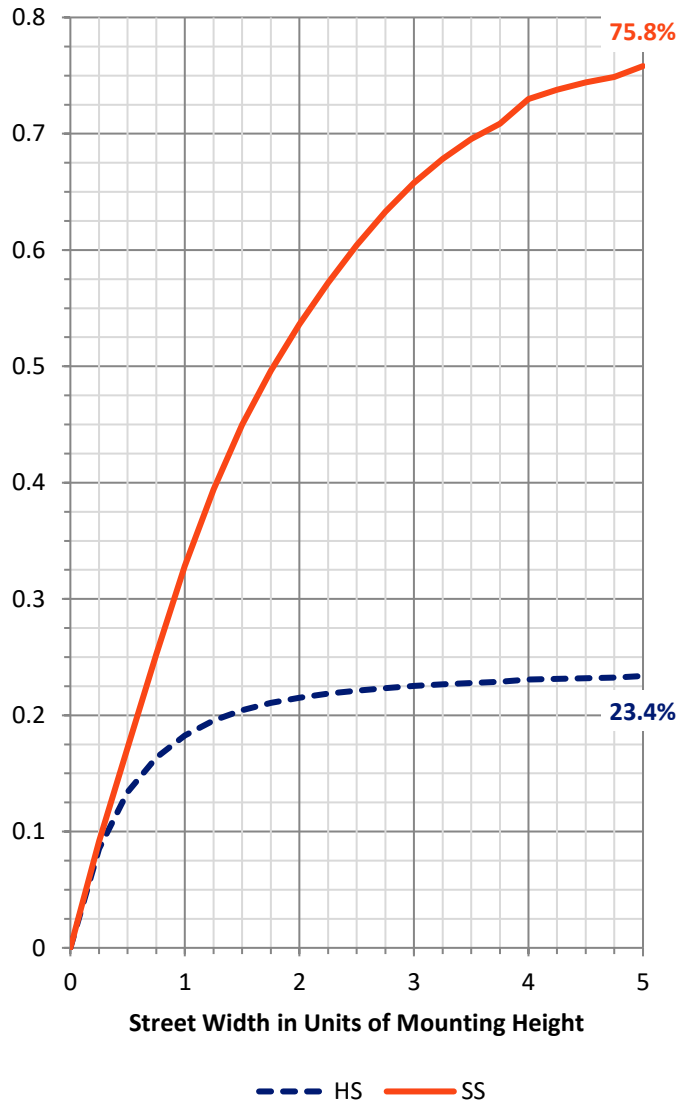
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4623.6	0.0	4623.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	14805.4	0.0	14805.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	19429.0	0.0	19429.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.1	1.3
10°-20°	707.1	3.6
20°-30°	1187.3	6.1
30°-40°	1845.3	9.5
40°-50°	2738.9	14.1
50°-60°	3781.2	19.5
60°-70°	4587.5	23.6
70°-80°	3791.2	19.5
80°-90°	545.3	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°	19429.0	100.0
0°-180°	19429.0	100.0

Coefficient of Utilization

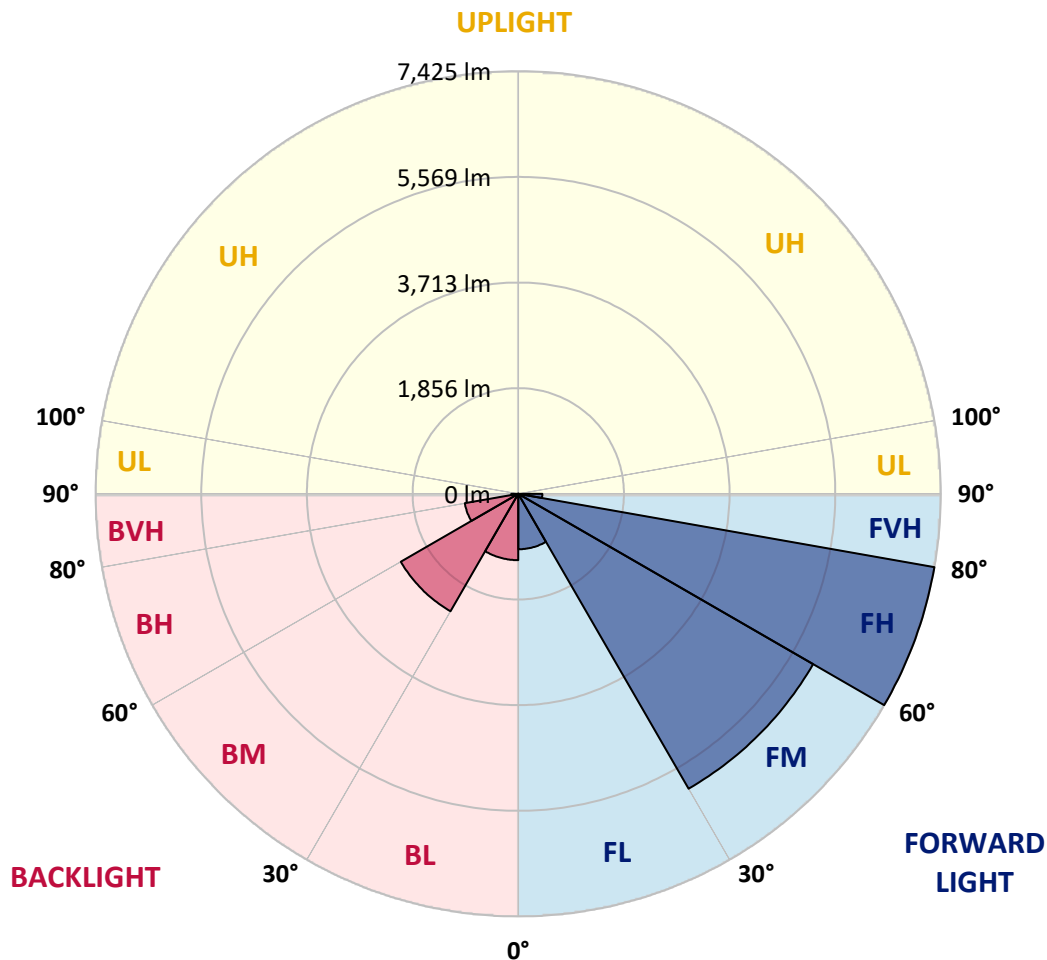


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	974.3	5.0			
FM (30°-60°)	5983.1	30.8			
FH (60°-80°)	7425.5	38.2			G3/7500
FVH (80°-90°)	422.5	2.2			G3/500
BL (0°-30°)	1165.2	6.0	B3/2500		
BM (30°-60°)	2382.4	12.3	B2/2500		
BH (60°-80°)	953.2	4.9	B2/1000		G2/1000
BVH (80°-90°)	122.8	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0
2.5°	2387.4	2402.1	2408.4	2405.2	2421.0	2418.9	2441.0	2468.3	2506.1	2542.8
5°	2203.6	2219.3	2233.0	2245.6	2276.0	2285.5	2320.2	2372.7	2442.0	2512.4
7.5°	2032.4	2046.0	2067.0	2090.1	2141.6	2151.1	2208.8	2290.8	2387.4	2490.3
10°	1892.7	1906.3	1928.4	1954.7	2018.7	2030.3	2103.8	2213.0	2339.1	2469.3
12.5°	1832.8	1837.0	1849.6	1875.9	1931.5	1938.9	2019.8	2144.8	2291.8	2453.6
15°	1829.7	1838.1	1839.1	1852.8	1899.0	1902.1	1976.7	2100.6	2262.4	2450.4
17.5°	1861.2	1867.5	1858.0	1866.4	1905.3	1910.5	1969.4	2079.6	2252.9	2464.1
20°	1945.2	1950.4	1922.1	1910.5	1938.9	1943.1	2000.9	2093.3	2262.4	2492.4
22.5°	2123.8	2126.9	2057.6	2010.3	2012.4	2014.5	2064.9	2149.0	2299.2	2543.9
25°	2402.1	2400.0	2289.7	2198.3	2145.8	2134.3	2167.9	2239.3	2361.1	2612.2
27.5°	2727.7	2711.9	2601.6	2465.1	2350.6	2333.8	2326.5	2356.9	2449.4	2702.5
30°	3095.3	3080.6	2961.9	2783.4	2624.8	2597.4	2528.1	2512.4	2580.6	2825.4
32.5°	3498.6	3489.2	3347.4	3131.0	2918.8	2887.3	2770.8	2728.7	2782.3	3011.3
35°	3836.8	3828.4	3710.8	3488.1	3228.7	3189.8	3071.1	3023.9	3051.2	3249.7
37.5°	4142.5	4138.3	4037.4	3862.0	3594.2	3546.9	3413.5	3397.8	3392.5	3563.7
40°	4426.1	4415.6	4310.5	4218.1	4019.6	3976.5	3858.9	3845.2	3805.3	3950.3
42.5°	4740.1	4712.8	4560.5	4517.4	4463.9	4428.2	4357.8	4359.9	4271.7	4386.1
45°	4996.4	4980.6	4824.1	4798.9	4856.7	4842.0	4902.9	4918.7	4747.5	4843.0
47.5°	5271.6	5256.9	5124.5	5106.7	5263.2	5267.4	5482.7	5487.9	5211.7	5317.8
50°	5610.8	5589.8	5458.5	5480.6	5656.0	5671.7	6065.6	6029.9	5639.2	5799.9
52.5°	5834.5	5847.1	5818.8	5854.5	6094.0	6108.7	6639.1	6547.7	6062.5	6275.7
55°	5999.4	6024.7	6112.9	6194.8	6556.1	6570.8	7180.0	7040.3	6413.3	6716.8
57.5°	6211.6	6175.9	6340.8	6500.4	6995.1	7034.0	7706.2	7515.1	6724.2	7097.0
60°	6516.2	6491.0	6619.1	6855.5	7486.7	7548.7	8262.9	7942.5	6952.1	7398.5
62.5°	7133.8	7070.8	7090.7	7299.7	8106.4	8188.3	8891.0	8315.4	7065.5	7516.1
65°	8057.0	7948.8	7848.0	7993.0	8979.2	9060.1	9600.0	8608.4	7023.5	7288.2
67.5°	9219.7	9112.6	8988.7	9125.2	10264.8	10328.9	10474.9	8773.3	6692.7	6410.1
70°	10178.7	10138.8	10286.9	10848.8	12318.2	12320.3	11596.6	8636.8	5786.2	4544.7
72.5°	10051.6	10027.4	10807.8	12545.1	14906.2	14850.5	12658.5	7603.3	3897.7	2050.2
75°	8246.1	8402.6	9611.5	12514.6	15835.7	15828.4	12008.3	4833.6	1612.2	849.7
77.5°	4421.9	4669.7	6240.0	9239.7	12362.3	12548.2	8442.5	1691.0	692.2	544.1
80°	1442.1	1658.5	2487.2	4704.4	8032.9	7998.2	3618.4	663.8	473.7	385.5
82.5°	612.3	637.5	1111.2	2221.4	4122.5	4058.4	1152.2	381.3	333.0	263.6
85°	239.5	267.8	490.5	1027.2	1785.5	1746.7	415.9	189.1	213.2	172.3
87.5°	78.8	95.6	175.4	351.9	555.6	535.7	101.9	65.1	92.4	78.8
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°
2589.0	0°	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0	2589.0
2596.4	2.5°	2611.1	2627.9	2647.9	2677.3	2702.5	2723.5	2745.5	2759.2	2764.4	2780.2
2600.6	5°	2630.0	2666.8	2716.1	2764.4	2811.7	2840.1	2865.3	2877.9	2889.4	2897.8
2612.2	7.5°	2661.5	2708.8	2786.5	2849.5	2889.4	2912.5	2929.4	2925.1	2929.4	2931.5
2624.8	10°	2688.8	2755.0	2847.4	2907.3	2937.8	2938.8	2934.6	2919.9	2912.5	2913.6
2643.7	12.5°	2721.4	2794.9	2894.7	2945.1	2953.5	2930.4	2912.5	2887.3	2877.9	2873.7
2672.0	15°	2765.5	2849.5	2946.2	2965.1	2944.1	2914.6	2884.2	2843.2	2822.2	2805.4
2720.3	17.5°	2819.1	2911.5	2986.1	2972.4	2927.2	2878.9	2829.6	2767.6	2724.5	2706.7
2786.5	20°	2893.6	2976.6	3016.5	2956.7	2888.4	2814.9	2730.8	2655.2	2615.3	2597.4
2870.5	22.5°	2984.0	3063.8	3045.9	2929.4	2832.7	2715.1	2610.1	2554.4	2534.4	2521.8
2978.7	25°	3092.2	3160.4	3066.9	2889.4	2741.3	2582.7	2501.9	2484.0	2474.6	2465.1
3111.1	27.5°	3232.9	3269.7	3082.7	2830.6	2598.5	2442.0	2412.6	2415.7	2412.6	2396.8
3294.9	30°	3418.8	3411.4	3097.4	2735.0	2434.6	2314.9	2317.0	2330.7	2332.8	2322.3
3551.1	32.5°	3663.5	3589.0	3104.8	2611.1	2278.2	2203.6	2205.7	2220.4	2230.9	2213.0
3886.2	35°	3959.7	3795.9	3093.2	2455.7	2157.4	2097.5	2081.7	2085.9	2089.1	2072.3
4292.7	37.5°	4305.3	4028.0	3041.7	2283.4	2057.6	1993.5	1959.9	1931.5	1914.7	1899.0
4752.7	40°	4684.4	4281.1	2947.2	2115.4	1946.2	1883.2	1832.8	1779.2	1722.5	1701.5
5240.1	42.5°	5081.5	4541.6	2832.7	1954.7	1818.1	1766.6	1713.1	1635.4	1550.3	1507.2
5746.3	45°	5493.2	4808.4	2720.3	1796.1	1686.8	1664.8	1602.8	1509.3	1416.9	1362.3
6253.6	47.5°	5896.5	5060.5	2555.4	1636.4	1563.9	1588.1	1539.8	1453.6	1350.7	1264.6
6756.7	50°	6282.0	5296.8	2285.5	1474.7	1464.1	1565.0	1518.8	1394.8	1277.2	1166.9
7250.4	52.5°	6664.3	5487.9	1939.9	1327.6	1410.6	1558.7	1491.5	1354.9	1211.0	1095.5
7714.6	55°	6988.8	5586.7	1607.0	1201.6	1332.9	1505.1	1458.9	1307.7	1117.5	994.7
8032.9	57.5°	7173.7	5506.8	1329.7	1077.6	1225.7	1416.9	1403.2	1206.8	1006.2	911.7
8094.8	60°	7093.9	5183.3	1102.8	969.4	1123.8	1321.3	1306.6	1107.0	921.1	831.9
7762.9	62.5°	6653.8	4566.8	923.2	874.9	1031.4	1223.6	1210.0	1030.4	856.0	769.9
6881.7	65°	5767.3	3715.0	783.5	796.1	937.9	1106.0	1125.9	966.3	804.5	720.5
5324.1	67.5°	4398.8	2690.9	674.3	727.9	846.6	990.5	1048.2	920.1	761.5	681.7
3080.6	70°	2507.1	1528.2	581.9	661.7	765.7	883.3	988.4	883.3	715.3	649.1
1154.3	72.5°	950.5	701.6	503.1	595.5	688.0	793.0	922.2	825.6	661.7	612.3
596.6	75°	507.3	427.5	423.3	517.8	598.7	704.8	839.2	768.8	621.8	647.0
412.8	77.5°	345.6	302.5	354.0	443.2	501.0	607.1	751.0	682.7	538.8	536.7
285.7	80°	239.5	214.3	287.8	357.1	387.6	510.5	655.4	586.1	439.0	409.6
176.5	82.5°	143.9	139.7	215.3	266.8	274.1	393.9	543.0	491.6	359.2	313.0
105.0	85°	78.8	83.0	137.6	156.5	159.6	275.2	425.4	380.2	276.2	232.1
37.8	87.5°	22.1	28.4	50.4	62.0	76.7	142.8	253.1	225.8	138.6	96.6
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°
2589.0
2779.2
2899.9
2934.6
2915.7
2871.6
2810.7
2707.7
2595.3
2523.9
2465.1
2400.0
2327.5
2221.4
2083.8
1909.5
1711.0
1512.5
1358.1
1255.1
1157.5
1082.9
984.2
899.1
819.3
756.2
706.9
669.1
640.7
603.9
668.0
494.7
391.8
315.1
234.2
96.6
0.0

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