

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: P852609

Luminaire Tested: **GLAN-SB5A-830-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852609
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-SB5A-830-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19230 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

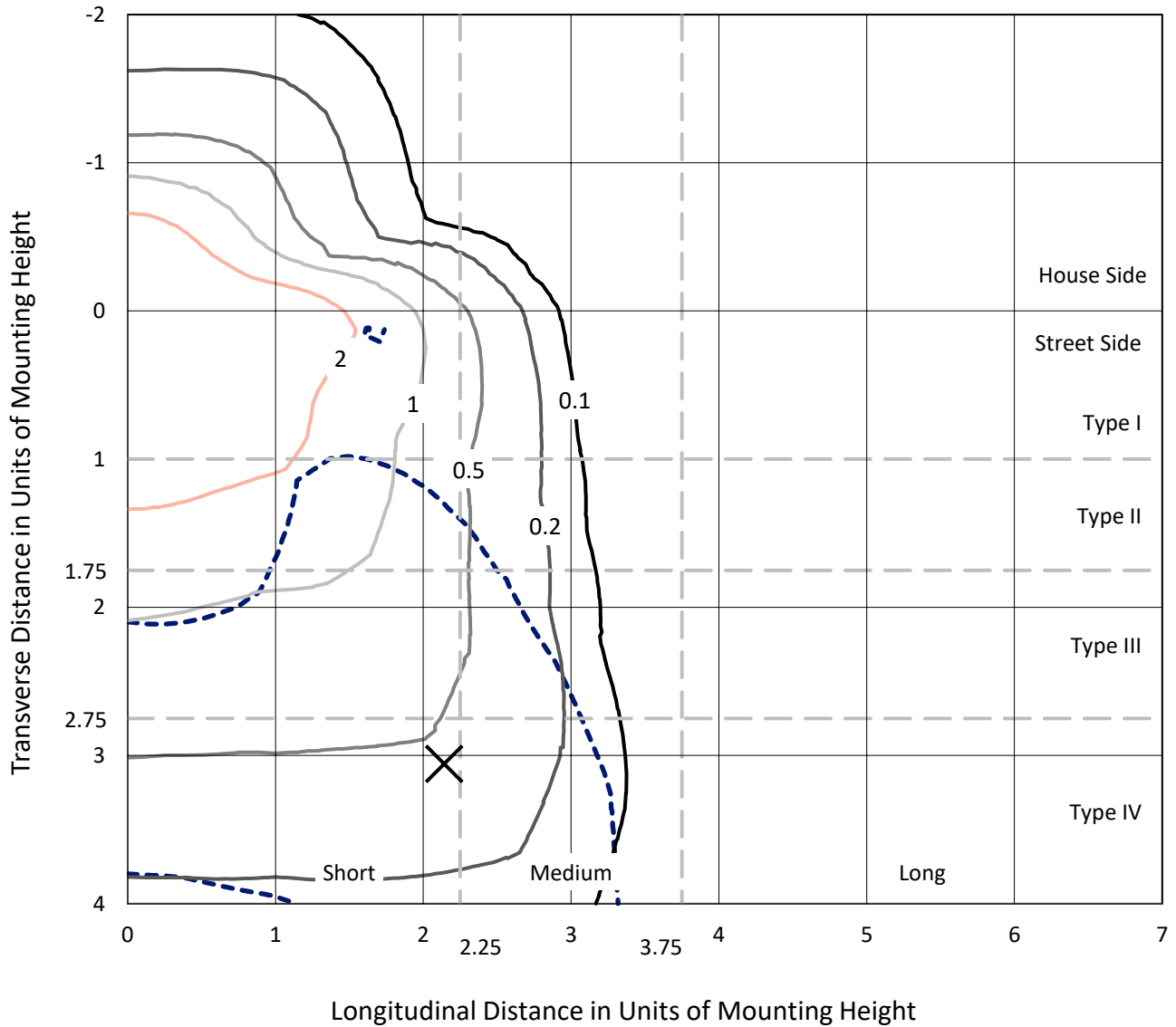
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

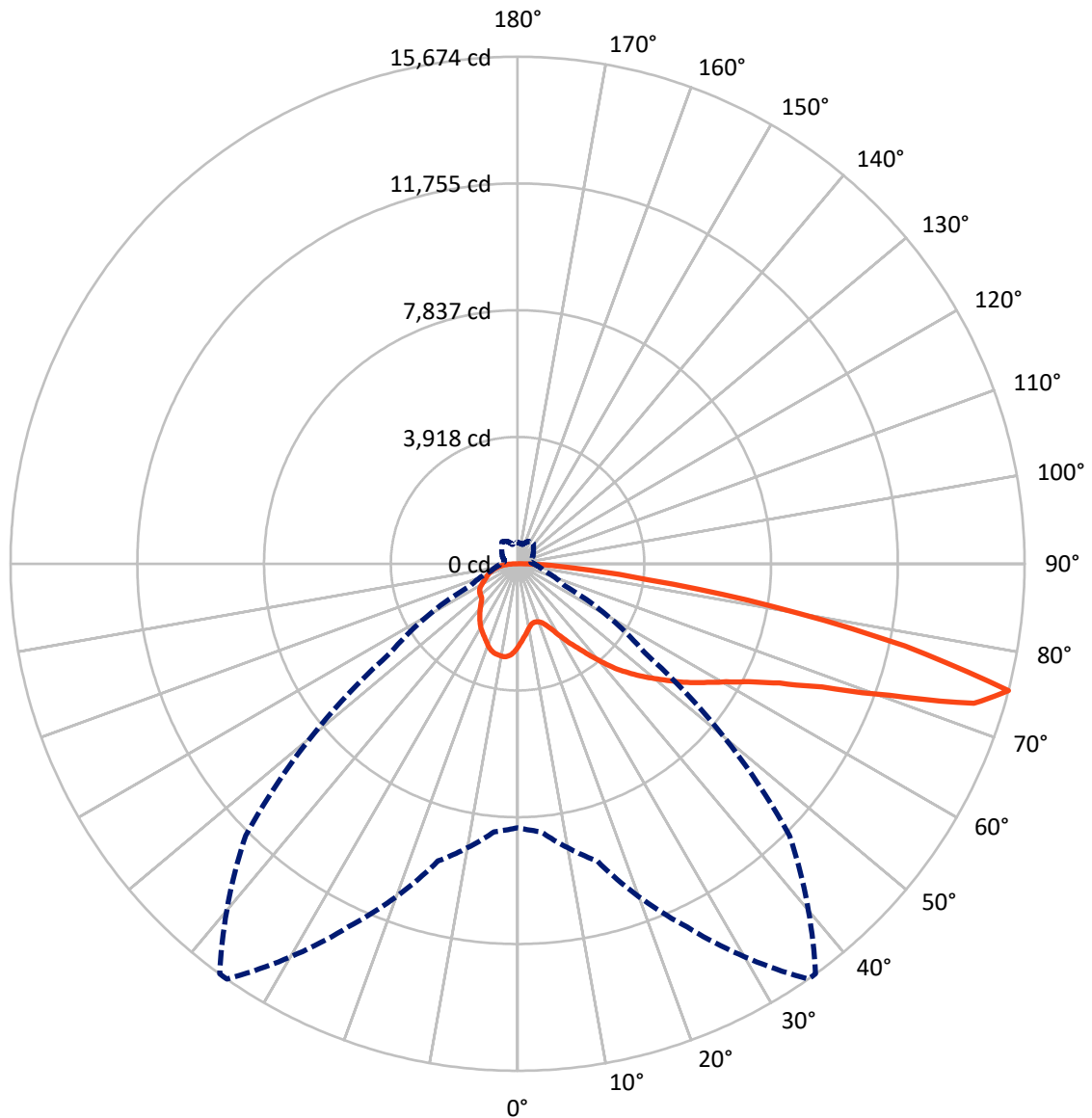
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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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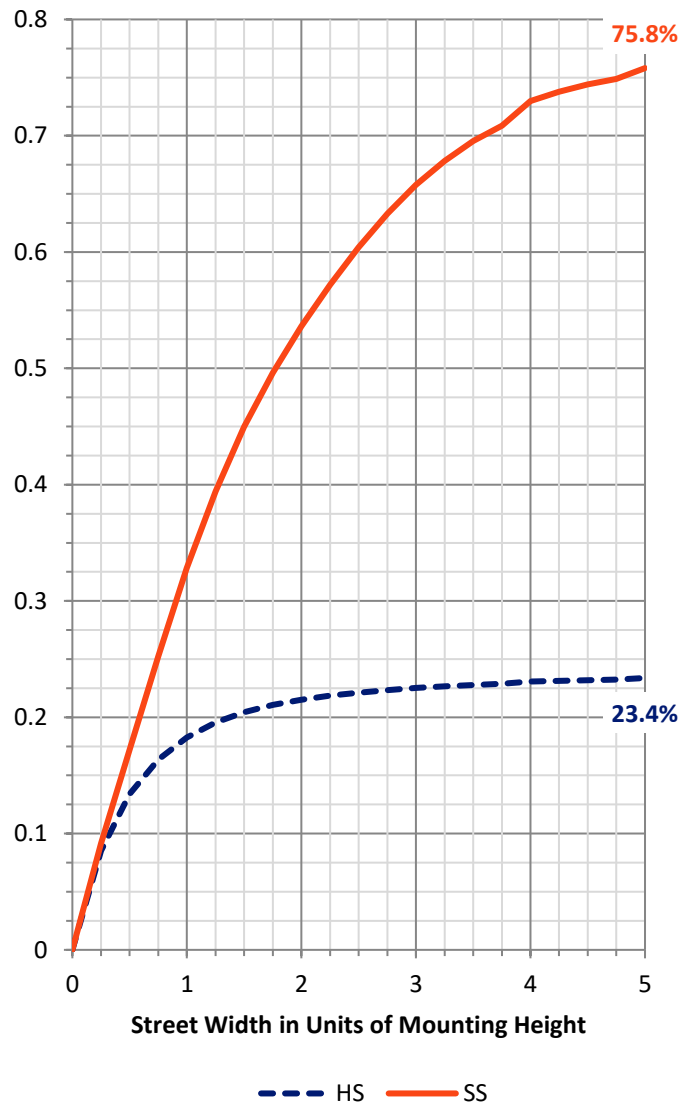
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4576.3	0.0	4576.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	14653.7	0.0	14653.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	19230.0	0.0	19230.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.6	1.3
10°-20°	699.8	3.6
20°-30°	1175.2	6.1
30°-40°	1826.4	9.5
40°-50°	2710.9	14.1
50°-60°	3742.5	19.5
60°-70°	4540.5	23.6
70°-80°	3752.4	19.5
80°-90°	539.7	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°	19230.0	100.0
0°-180°	19230.0	100.0

Coefficient of Utilization



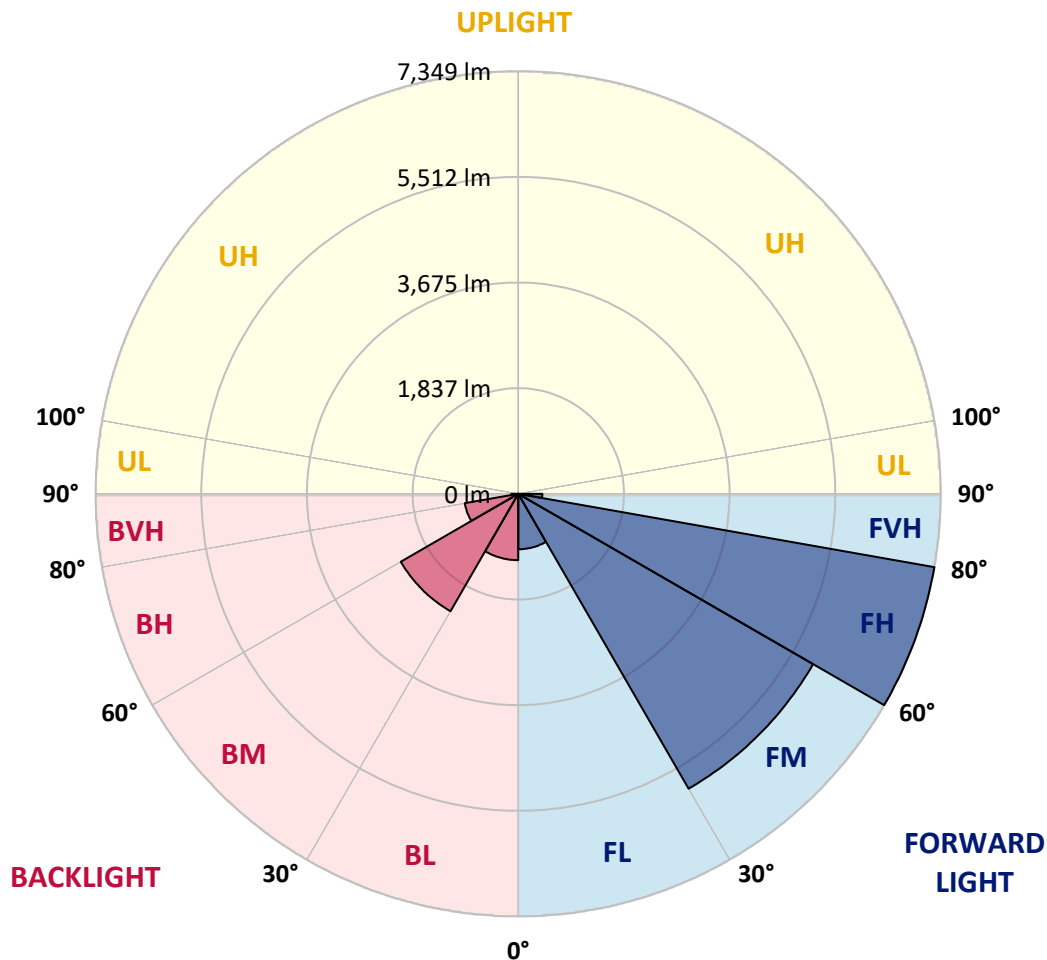
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	964.3	5.0			
FM (30°-60°)	5921.8	30.8			
FH (60°-80°)	7349.4	38.2			G3/7500
FVH (80°-90°)	418.2	2.2			G3/500
BL (0°-30°)	1153.3	6.0	B3/2500		
BM (30°-60°)	2358.0	12.3	B2/2500		
BH (60°-80°)	943.5	4.9	B2/1000		G2/1000
BVH (80°-90°)	121.5	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°	2562.5	2562.5	2562.5	2562.5	2562.5	2562.5	2562.5	2562.5	2562.5	2562.5
2.5°	2362.9	2377.5	2383.7	2380.6	2396.2	2394.1	2415.9	2443.0	2480.4	2516.8
5°	2181.0	2196.6	2210.1	2222.6	2252.7	2262.1	2296.4	2348.4	2417.0	2486.6
7.5°	2011.6	2025.1	2045.9	2068.7	2119.7	2129.0	2186.2	2267.3	2362.9	2464.8
10°	1873.3	1886.8	1908.6	1934.6	1998.0	2009.5	2082.2	2190.4	2315.1	2444.0
12.5°	1814.0	1818.2	1830.7	1856.7	1911.8	1919.0	1999.1	2122.8	2268.3	2428.4
15°	1810.9	1819.2	1820.3	1833.8	1879.5	1882.7	1956.5	2079.1	2239.2	2425.3
17.5°	1842.1	1848.3	1839.0	1847.3	1885.8	1891.0	1949.2	2058.3	2229.9	2438.8
20°	1925.3	1930.5	1902.4	1891.0	1919.0	1923.2	1980.4	2071.9	2239.2	2466.9
22.5°	2102.0	2105.1	2036.5	1989.7	1991.8	1993.9	2043.8	2126.9	2275.6	2517.8
25°	2377.5	2375.4	2266.3	2175.8	2123.8	2112.4	2145.7	2216.4	2336.9	2585.4
27.5°	2699.8	2684.2	2575.0	2439.9	2326.5	2309.9	2302.6	2332.8	2424.3	2674.8
30°	3063.6	3049.0	2931.6	2754.8	2597.9	2570.8	2502.2	2486.6	2554.2	2796.4
32.5°	3462.8	3453.4	3313.1	3098.9	2889.0	2857.8	2742.4	2700.8	2753.8	2980.4
35°	3797.5	3789.2	3672.8	3452.4	3195.6	3157.2	3039.7	2992.9	3019.9	3216.4
37.5°	4100.0	4095.9	3996.1	3822.5	3557.4	3510.6	3378.6	3363.0	3357.8	3527.2
40°	4380.7	4370.3	4266.4	4174.9	3978.4	3935.8	3819.4	3805.8	3766.3	3909.8
42.5°	4691.6	4664.5	4513.8	4471.2	4418.2	4382.8	4313.2	4315.2	4227.9	4341.2
45°	4945.2	4929.6	4774.7	4749.8	4806.9	4792.4	4852.7	4868.3	4698.8	4793.4
47.5°	5217.6	5203.0	5072.0	5054.4	5209.3	5213.4	5426.5	5431.7	5158.3	5263.3
50°	5553.4	5532.6	5402.6	5424.4	5598.1	5613.7	6003.5	5968.1	5581.4	5740.5
52.5°	5774.8	5787.3	5759.2	5794.5	6031.6	6046.1	6571.1	6480.6	6000.4	6211.4
55°	5938.0	5962.9	6050.3	6131.4	6489.0	6503.5	7106.5	6968.2	6347.6	6648.0
57.5°	6148.0	6112.6	6275.9	6433.9	6923.5	6962.0	7627.3	7438.1	6655.3	7024.3
60°	6449.5	6424.5	6551.3	6785.2	7410.0	7471.4	8178.3	7861.2	6880.9	7322.7
62.5°	7060.7	6998.4	7018.1	7225.0	8023.4	8104.4	8799.9	8230.2	6993.2	7439.1
65°	7974.5	7867.4	7767.6	7911.1	8887.2	8967.3	9501.6	8520.3	6951.6	7213.5
67.5°	9125.3	9019.3	8896.6	9031.7	10159.7	10223.1	10367.6	8683.5	6624.1	6344.5
70°	10074.4	10034.9	10181.5	10737.7	12192.0	12194.1	11477.8	8548.3	5727.0	4498.2
72.5°	9948.6	9924.7	10697.1	12416.6	14753.5	14698.4	12528.8	7525.4	3857.8	2029.2
75°	8161.6	8316.5	9513.1	12386.4	15673.5	15666.2	11885.3	4784.1	1595.7	841.0
77.5°	4376.6	4621.9	6176.1	9145.1	12235.7	12419.7	8356.0	1673.7	685.1	538.5
80°	1427.3	1641.5	2461.7	4656.2	7950.6	7916.3	3581.3	657.0	468.8	381.5
82.5°	606.1	631.0	1099.9	2198.7	4080.3	4016.9	1140.4	377.4	329.5	260.9
85°	237.0	265.1	485.5	1016.7	1767.3	1728.8	411.7	187.1	211.0	170.5
87.5°	78.0	94.6	173.6	348.3	549.9	530.2	100.8	64.5	91.5	78.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2562.5	0°	2562.5	2562.5	2562.5	2562.5	2562.5	2562.5	2562.5	2562.5	2562.5	2562.5
2569.8	2.5°	2584.4	2601.0	2620.7	2649.9	2674.8	2695.6	2717.4	2730.9	2736.1	2751.7
2574.0	5°	2603.1	2639.5	2688.3	2736.1	2782.9	2811.0	2835.9	2848.4	2859.8	2868.2
2585.4	7.5°	2634.3	2681.0	2758.0	2820.3	2859.8	2882.7	2899.3	2895.2	2899.3	2901.4
2597.9	10°	2661.3	2726.8	2818.3	2877.5	2907.7	2908.7	2904.5	2890.0	2882.7	2883.8
2616.6	12.5°	2693.5	2766.3	2865.0	2914.9	2923.3	2900.4	2882.7	2857.8	2848.4	2844.2
2644.7	15°	2737.2	2820.3	2916.0	2934.7	2913.9	2884.8	2854.6	2814.1	2793.3	2776.7
2692.5	17.5°	2790.2	2881.7	2955.5	2942.0	2897.3	2849.4	2800.6	2739.3	2696.6	2679.0
2758.0	20°	2864.0	2946.1	2985.6	2926.4	2858.8	2786.0	2702.9	2628.0	2588.5	2570.8
2841.1	22.5°	2953.4	3032.4	3014.7	2899.3	2803.7	2687.3	2583.3	2528.2	2508.5	2496.0
2948.2	25°	3060.5	3128.1	3035.5	2859.8	2713.3	2556.3	2476.2	2458.6	2449.2	2439.9
3079.2	27.5°	3199.8	3236.2	3051.1	2801.6	2571.9	2417.0	2387.9	2391.0	2387.9	2372.3
3261.1	30°	3383.8	3376.5	3065.7	2707.0	2409.7	2291.2	2293.3	2306.8	2308.9	2298.5
3514.8	32.5°	3626.0	3552.2	3073.0	2584.4	2254.8	2181.0	2183.1	2197.6	2208.0	2190.4
3846.4	35°	3919.2	3757.0	3061.5	2430.5	2135.3	2076.0	2060.4	2064.6	2067.7	2051.1
4248.7	37.5°	4261.2	3986.7	3010.6	2260.0	2036.5	1973.1	1939.8	1911.8	1895.1	1879.5
4704.0	40°	4636.5	4237.3	2917.0	2093.7	1926.3	1863.9	1814.0	1761.0	1704.9	1684.1
5186.4	42.5°	5029.4	4495.1	2803.7	1934.6	1799.5	1748.5	1695.5	1618.6	1534.4	1491.8
5687.5	45°	5436.9	4759.1	2692.5	1777.7	1669.5	1647.7	1586.4	1493.9	1402.4	1348.3
6189.6	47.5°	5836.1	5008.6	2529.3	1619.6	1547.9	1571.8	1524.0	1438.8	1336.9	1251.6
6687.5	50°	6217.6	5242.5	2262.1	1459.5	1449.2	1549.0	1503.2	1380.5	1264.1	1155.0
7176.1	52.5°	6596.0	5431.7	1920.1	1314.0	1396.1	1542.7	1476.2	1341.0	1198.6	1084.3
7635.6	55°	6917.3	5529.4	1590.5	1189.3	1319.2	1489.7	1444.0	1294.3	1106.1	984.5
7950.6	57.5°	7100.2	5450.4	1316.1	1066.6	1213.2	1402.4	1388.9	1194.5	995.9	902.3
8011.9	60°	7021.2	5130.3	1091.5	959.5	1112.3	1307.8	1293.2	1095.7	911.7	823.3
7683.4	62.5°	6585.6	4520.0	913.8	866.0	1020.9	1211.1	1197.6	1019.8	847.2	762.0
6811.2	65°	5708.3	3676.9	775.5	788.0	928.3	1094.7	1114.4	956.4	796.3	713.1
5269.6	67.5°	4353.7	2663.4	667.4	720.4	837.9	980.3	1037.5	910.7	753.7	674.7
3049.0	70°	2481.4	1512.6	575.9	654.9	757.8	874.3	978.2	874.3	707.9	642.5
1142.5	72.5°	940.8	694.4	498.0	589.4	680.9	784.9	912.7	817.1	654.9	606.1
590.5	75°	502.1	423.1	418.9	512.5	592.6	697.5	830.6	761.0	615.4	640.4
408.5	77.5°	342.0	299.4	350.3	438.7	495.9	600.9	743.3	675.7	533.3	531.2
282.8	80°	237.0	212.1	284.8	353.5	383.6	505.2	648.7	580.1	434.5	405.4
174.6	82.5°	142.4	138.3	213.1	264.0	271.3	389.8	537.5	486.5	355.5	309.8
104.0	85°	78.0	82.1	136.2	154.9	158.0	272.4	421.0	376.3	273.4	229.7
37.4	87.5°	21.8	28.1	49.9	61.3	75.9	141.4	250.5	223.5	137.2	95.6
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°
2562.5
2750.7
2870.2
2904.5
2885.8
2842.2
2781.9
2680.0
2568.8
2498.1
2439.9
2375.4
2303.7
2198.7
2062.5
1889.9
1693.5
1497.0
1344.2
1242.3
1145.6
1071.8
974.1
889.9
810.9
748.5
699.6
662.2
634.1
597.7
661.2
489.6
387.8
311.9
231.8
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