

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: P847998

Luminaire Tested: **GLAN-SB4B-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847998  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18698 lumens  
Efficiency: N/A  
Efficacy: 127.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

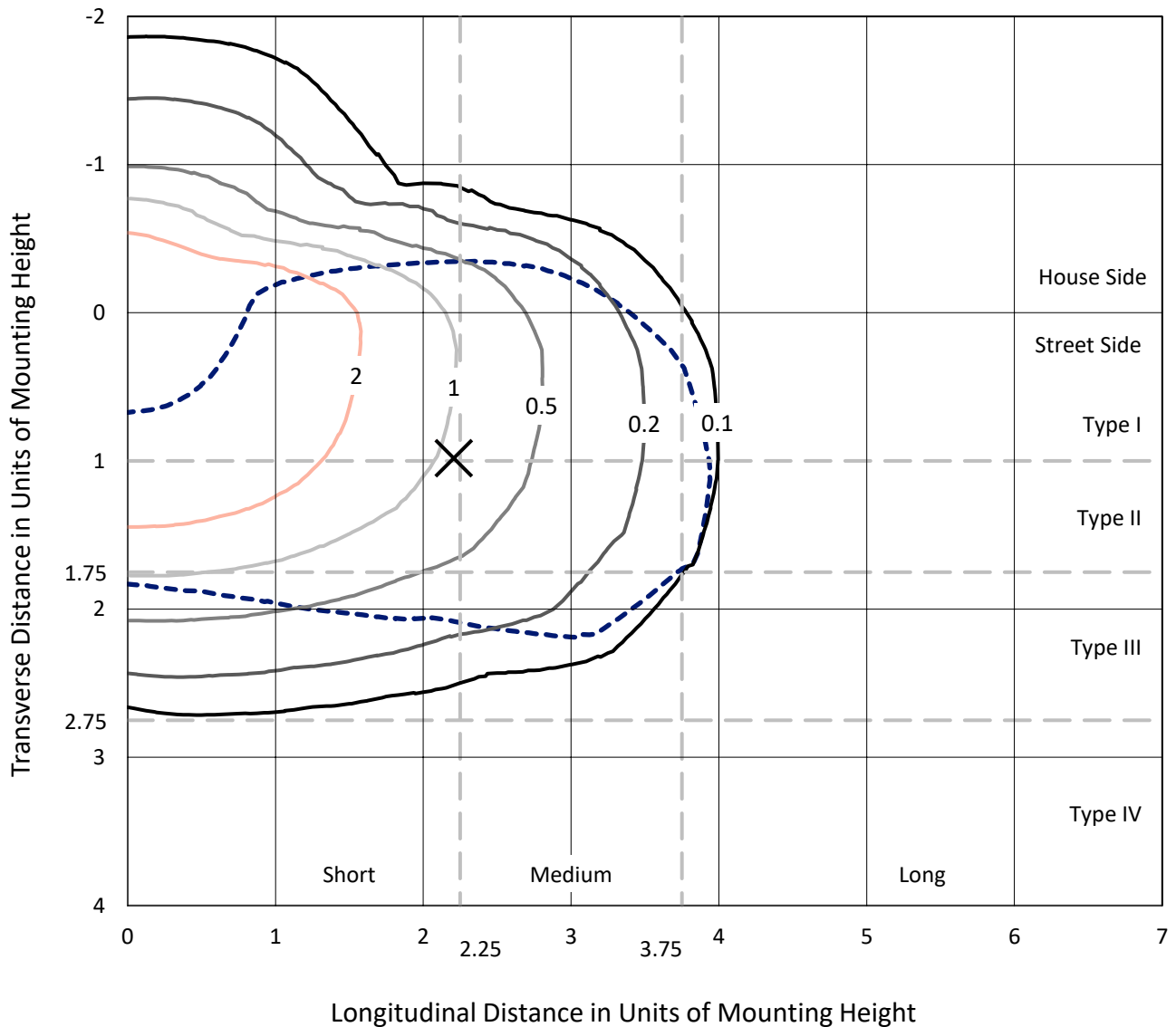
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

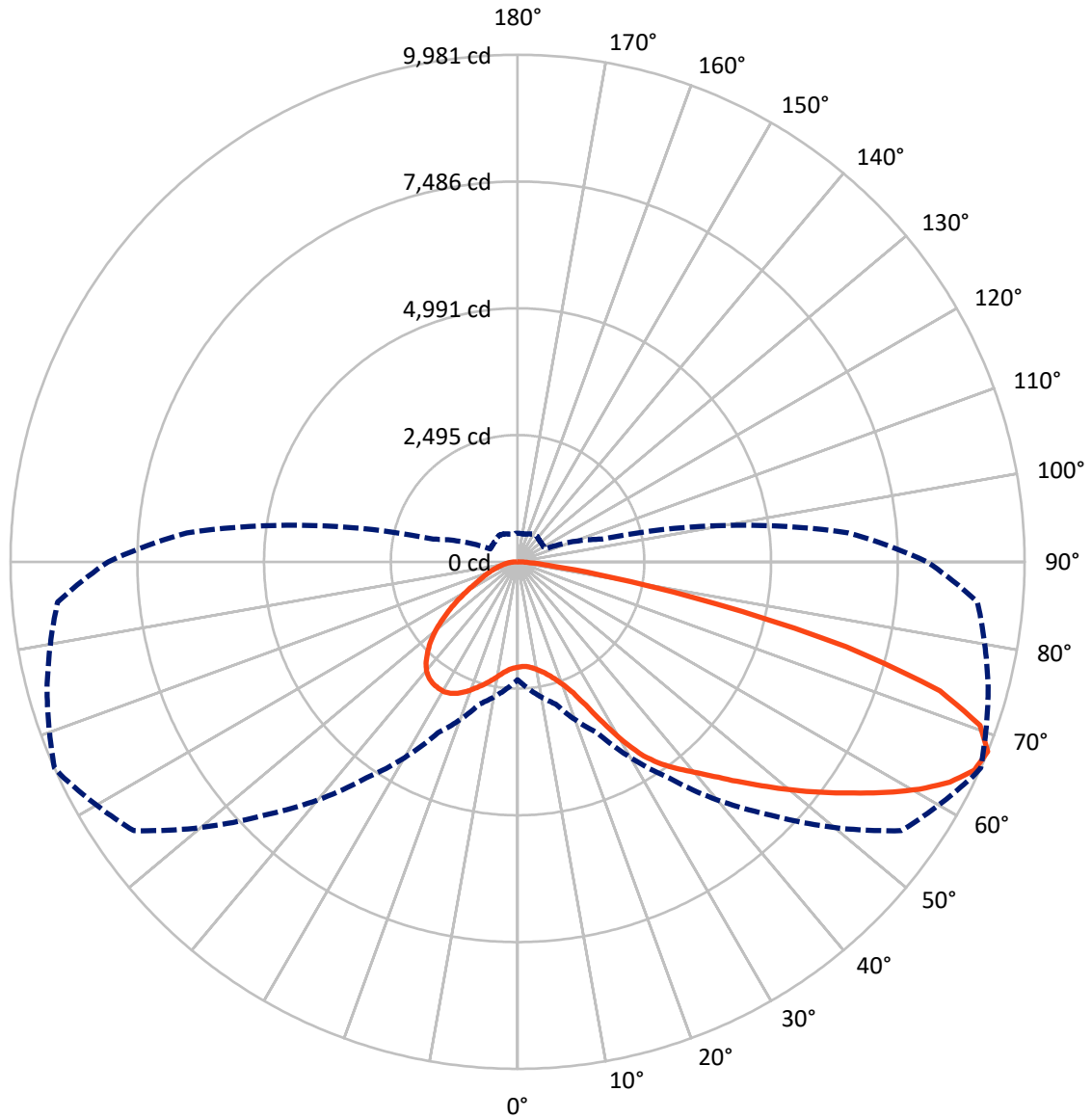
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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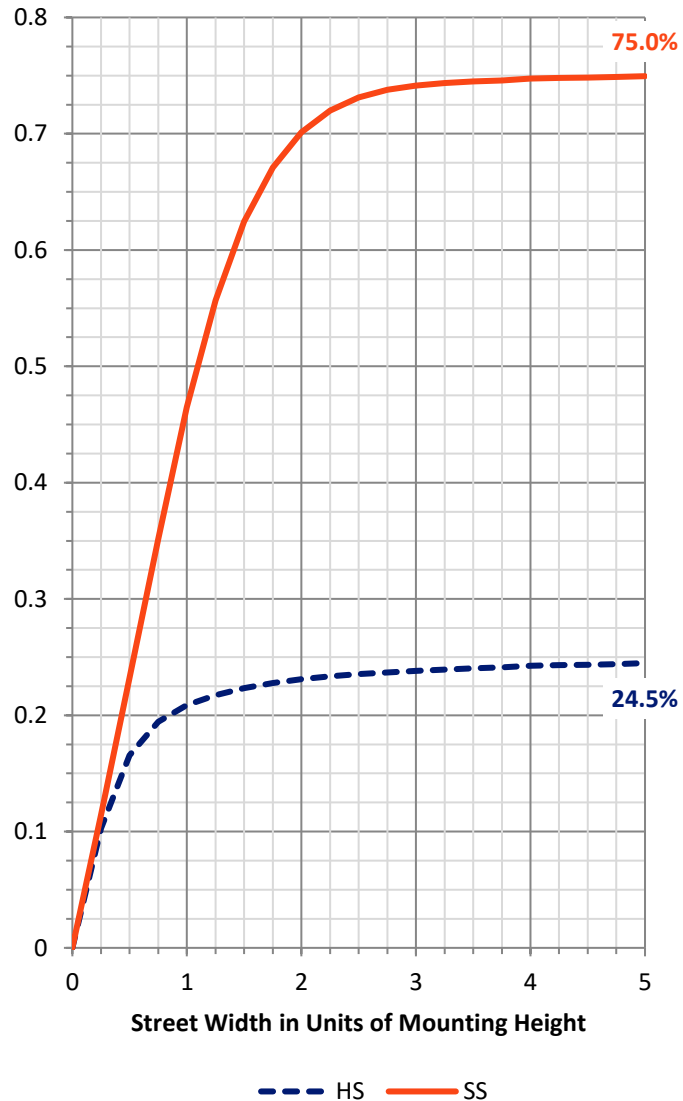
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4649.2	0.0	4649.2
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	14048.8	0.0	14048.8
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	18698.0	0.0	18698.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.6	1.1
10°-20°	679.3	3.6
20°-30°	1309.4	7.0
30°-40°	2295.8	12.3
40°-50°	3413.1	18.3
50°-60°	4326.4	23.1
60°-70°	4233.3	22.6
70°-80°	2019.3	10.8
80°-90°	215.8	1.2
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°	18698.0	100.0
0°-180°	18698.0	100.0

**Coefficient of Utilization**



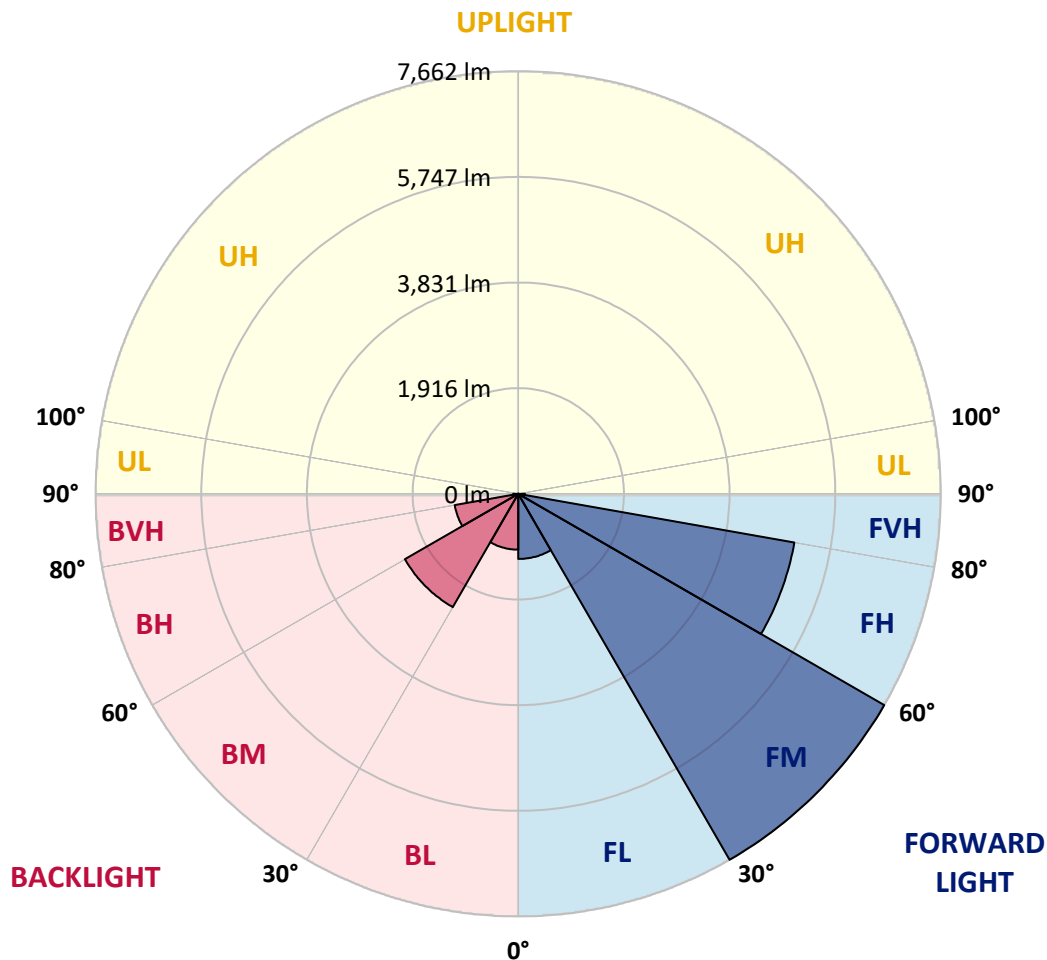
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1181.5	6.3			
FM (30°-60°)	7662.3	41.0			
FH (60°-80°)	5082.6	27.2			G3/7500
FVH (80°-90°)	122.4	0.7			G2/225
BL (0°-30°)	1012.8	5.4	B3/2500		
BM (30°-60°)	2373.0	12.7	B2/2500		
BH (60°-80°)	1170.0	6.3	B3/2500		G3/2500
BVH (80°-90°)	93.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2073.9	2073.9	2073.9	2073.9	2073.9	2073.9	2073.9	2073.9	2073.9	2073.9
2.5°	2052.2	2064.0	2061.1	2056.2	2055.2	2057.2	2060.1	2063.0	2062.1	2067.0
5°	2046.3	2058.1	2057.2	2057.2	2061.1	2068.9	2073.9	2078.8	2073.9	2079.7
7.5°	2050.3	2059.1	2063.0	2067.0	2076.8	2091.5	2103.3	2114.1	2108.2	2115.1
10°	2100.4	2107.3	2111.2	2111.2	2118.1	2134.8	2146.6	2166.2	2161.3	2172.1
12.5°	2191.7	2198.6	2198.6	2194.7	2199.6	2210.4	2214.3	2236.0	2227.1	2244.8
15°	2303.7	2317.5	2306.7	2299.8	2301.8	2312.6	2311.6	2328.3	2319.5	2334.2
17.5°	2427.5	2445.2	2427.5	2426.5	2422.6	2434.4	2435.4	2450.1	2434.4	2445.2
20°	2573.9	2598.5	2583.7	2588.6	2579.8	2584.7	2589.6	2611.2	2586.7	2594.5
22.5°	2780.2	2809.7	2794.0	2812.6	2806.7	2802.8	2801.8	2840.1	2801.8	2804.8
25°	3080.8	3116.2	3088.7	3114.2	3114.2	3127.0	3141.7	3190.8	3127.0	3108.3
27.5°	3524.9	3560.2	3506.2	3521.9	3517.0	3548.4	3532.7	3654.5	3585.8	3555.3
30°	4059.3	4122.2	4020.0	4016.1	4011.2	4061.3	4083.9	4164.4	4094.7	4064.2
32.5°	4636.9	4702.8	4581.0	4545.6	4526.9	4557.4	4538.7	4603.5	4555.4	4508.3
35°	5248.0	5312.8	5196.9	5128.2	5053.5	4989.6	4922.8	4939.5	4894.3	4822.6
37.5°	5825.7	5944.5	5821.7	5748.0	5610.5	5485.7	5299.1	5221.5	5179.2	5113.4
40°	6414.1	6481.9	6388.6	6325.7	6176.4	5980.9	5682.2	5518.2	5461.2	5397.3
42.5°	6847.4	6912.2	6862.1	6818.9	6702.0	6475.0	6088.9	5883.6	5801.1	5729.4
45°	7191.2	7239.3	7207.9	7223.6	7173.5	6953.5	6510.4	6275.6	6190.1	6102.7
47.5°	7329.7	7380.8	7430.9	7524.2	7609.7	7447.6	6963.3	6700.0	6609.6	6520.2
50°	7314.0	7366.1	7511.5	7709.9	7975.2	7921.1	7440.7	7151.9	7068.4	6966.2
52.5°	7188.3	7247.2	7433.9	7763.9	8186.4	8275.8	7927.0	7618.5	7540.0	7418.1
55°	6858.2	6893.5	7173.5	7641.1	8236.5	8523.3	8403.5	8115.6	8037.0	7867.1
57.5°	6246.1	6297.2	6704.9	7310.1	8110.7	8691.3	8822.0	8638.3	8562.6	8318.0
60°	5447.4	5529.0	5995.6	6754.0	7790.5	8690.3	9202.2	9152.1	9089.2	8762.1
62.5°	4543.6	4637.9	5086.9	5968.1	7230.5	8443.8	9439.9	9582.4	9550.0	9171.7
65°	3489.5	3554.3	4001.3	4951.3	6359.1	7914.2	9467.4	9876.1	9882.0	9483.1
67.5°	2323.4	2510.0	2898.1	3715.5	5192.0	7048.8	9225.8	9924.2	9981.2	9590.2
70°	1133.7	1379.3	1759.5	2414.7	3715.5	5721.5	8594.1	9529.3	9656.1	9277.8
72.5°	470.6	550.1	757.4	1191.7	2132.8	3860.8	7324.8	8458.5	8693.3	8220.8
75°	317.3	343.8	433.2	611.1	971.6	1903.9	5282.4	6307.0	6685.3	6208.8
77.5°	244.6	261.3	315.4	427.3	577.7	720.1	2827.4	3800.9	3996.4	3699.7
80°	192.6	205.3	235.8	311.4	409.7	385.1	963.7	1722.2	1835.1	1539.4
82.5°	167.0	171.9	169.0	211.2	272.1	225.0	316.3	635.6	701.4	508.9
85°	120.8	134.6	140.5	130.7	144.4	114.0	129.7	225.0	247.6	221.0
87.5°	49.1	72.7	89.4	84.5	53.0	32.4	40.3	65.8	75.6	82.5
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°
2073.9	0°	2073.9	2073.9	2073.9	2073.9	2073.9	2073.9	2073.9	2073.9	2073.9	2073.9
2074.8	2.5°	2075.8	2082.7	2087.6	2093.5	2097.4	2103.3	2115.1	2122.0	2123.0	2127.9
2090.6	5°	2094.5	2104.3	2115.1	2130.8	2148.5	2163.3	2185.8	2201.6	2207.5	2212.4
2128.9	7.5°	2134.8	2148.5	2168.2	2195.7	2221.2	2240.9	2268.4	2287.0	2305.7	2312.6
2189.8	10°	2194.7	2214.3	2242.8	2280.2	2307.7	2333.2	2361.7	2377.4	2396.1	2403.9
2262.5	12.5°	2269.4	2290.0	2327.3	2379.4	2404.9	2422.6	2432.4	2428.5	2432.4	2439.3
2349.9	15°	2354.8	2377.4	2419.7	2475.7	2493.3	2477.6	2456.0	2436.4	2433.4	2435.4
2456.0	17.5°	2456.0	2472.7	2521.8	2569.0	2556.2	2491.4	2444.2	2412.8	2397.1	2392.2
2591.6	20°	2597.5	2597.5	2637.8	2667.2	2581.8	2471.7	2398.0	2347.0	2314.5	2300.8
2776.3	22.5°	2769.4	2753.7	2779.2	2758.6	2576.8	2416.7	2314.5	2226.1	2177.0	2157.4
3034.6	25°	2987.5	2968.8	2961.9	2834.2	2541.5	2329.3	2163.3	2056.2	2012.9	2002.1
3407.0	27.5°	3316.6	3269.4	3180.0	2875.5	2476.6	2191.7	1986.4	1887.2	1862.6	1863.6
3885.4	30°	3754.7	3660.4	3441.4	2882.4	2370.5	1997.2	1805.7	1734.9	1723.1	1728.0
4287.2	32.5°	4160.5	4071.1	3708.6	2850.9	2207.5	1806.6	1643.6	1596.4	1578.7	1584.6
4593.7	35°	4478.8	4454.2	3956.1	2806.7	2007.1	1627.8	1498.2	1457.9	1423.5	1415.6
4882.5	37.5°	4779.4	4769.6	4141.8	2744.8	1808.6	1501.1	1381.3	1328.2	1278.1	1250.6
5201.8	40°	5109.5	5099.7	4263.6	2649.5	1632.8	1391.1	1276.1	1206.4	1144.5	1094.4
5563.4	42.5°	5480.8	5422.9	4321.6	2513.0	1483.4	1297.8	1190.7	1096.4	1014.8	968.7
5972.0	45°	5886.6	5755.9	4320.6	2339.1	1357.7	1212.3	1099.3	965.7	890.1	846.8
6391.5	47.5°	6316.9	6074.2	4267.6	2146.6	1235.9	1118.0	957.8	855.7	805.6	779.0
6847.4	50°	6760.9	6371.9	4177.2	1925.5	1111.1	1010.9	869.4	799.7	761.4	736.8
7299.3	52.5°	7178.4	6642.0	4068.1	1675.0	984.4	906.8	830.1	776.1	735.8	708.3
7737.4	55°	7566.5	6874.9	3913.9	1418.6	881.2	837.0	811.5	766.3	720.1	687.7
8182.4	57.5°	7911.3	7026.2	3647.7	1177.9	807.5	788.9	791.8	749.6	696.5	669.0
8620.6	60°	8198.2	7137.2	3253.7	954.9	747.6	741.7	761.4	718.1	656.2	624.8
8991.0	62.5°	8370.1	7135.2	2770.4	782.0	696.5	698.5	721.1	678.8	616.0	586.5
9184.5	65°	8355.3	6960.3	2239.9	669.0	647.4	649.4	678.8	635.6	582.6	564.9
9087.2	67.5°	8059.6	6534.0	1718.2	595.3	593.4	602.2	636.6	606.1	561.9	560.0
8507.6	70°	7259.0	5648.8	1237.8	536.4	537.4	550.1	595.3	587.5	551.1	555.1
7152.9	72.5°	5820.7	4306.9	831.1	474.5	475.5	496.1	556.0	572.7	540.3	592.4
5075.1	75°	3876.6	2685.9	534.4	408.7	409.7	436.2	521.7	544.3	510.9	590.4
2640.7	77.5°	1862.6	1207.4	387.1	343.8	343.8	368.4	450.9	487.3	435.2	458.8
848.8	80°	643.5	453.9	304.5	277.0	271.1	287.8	380.2	422.4	375.3	345.8
277.0	82.5°	253.5	235.8	244.6	215.1	195.5	206.3	295.7	348.8	276.1	249.5
156.2	85°	145.4	153.3	172.9	142.4	113.0	126.7	217.1	250.5	208.3	183.7
51.1	87.5°	39.3	54.0	79.6	73.7	51.1	54.0	103.2	138.5	119.9	92.3
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°
2073.9
2126.9
2211.4
2313.6
2407.9
2441.3
2442.3
2399.0
2297.8
2154.4
2004.1
1866.6
1744.7
1592.5
1421.5
1251.6
1099.3
971.6
844.9
773.2
728.0
696.5
674.9
651.3
611.1
577.7
563.9
562.9
554.1
600.2
595.3
420.5
324.2
248.5
187.6
95.3
0.0

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