

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: P852293

Luminaire Tested: **GLAN-SB2D-735-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852293  
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-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 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: 19738 lumens  
Efficiency: N/A  
Efficacy: 133.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

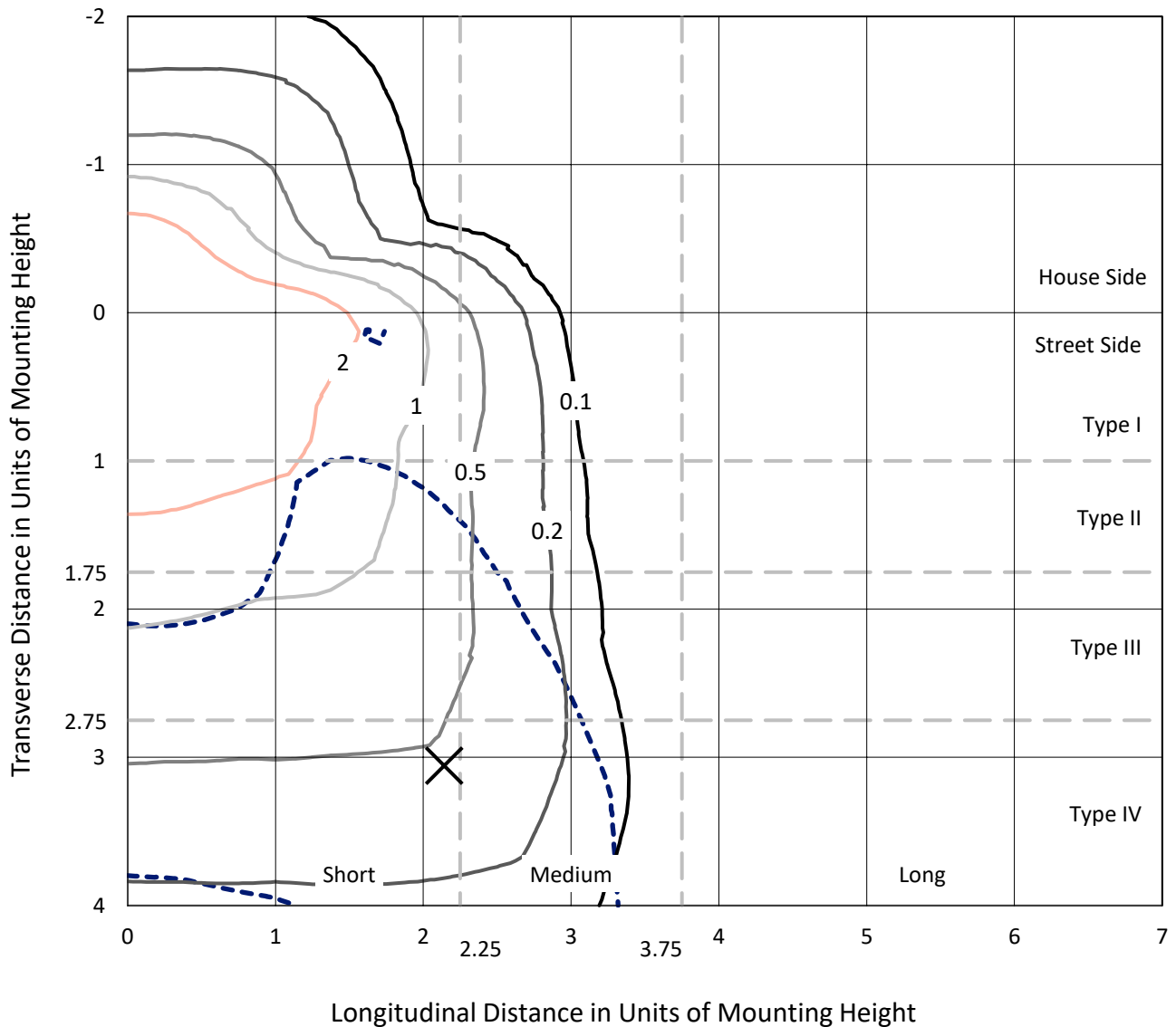
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

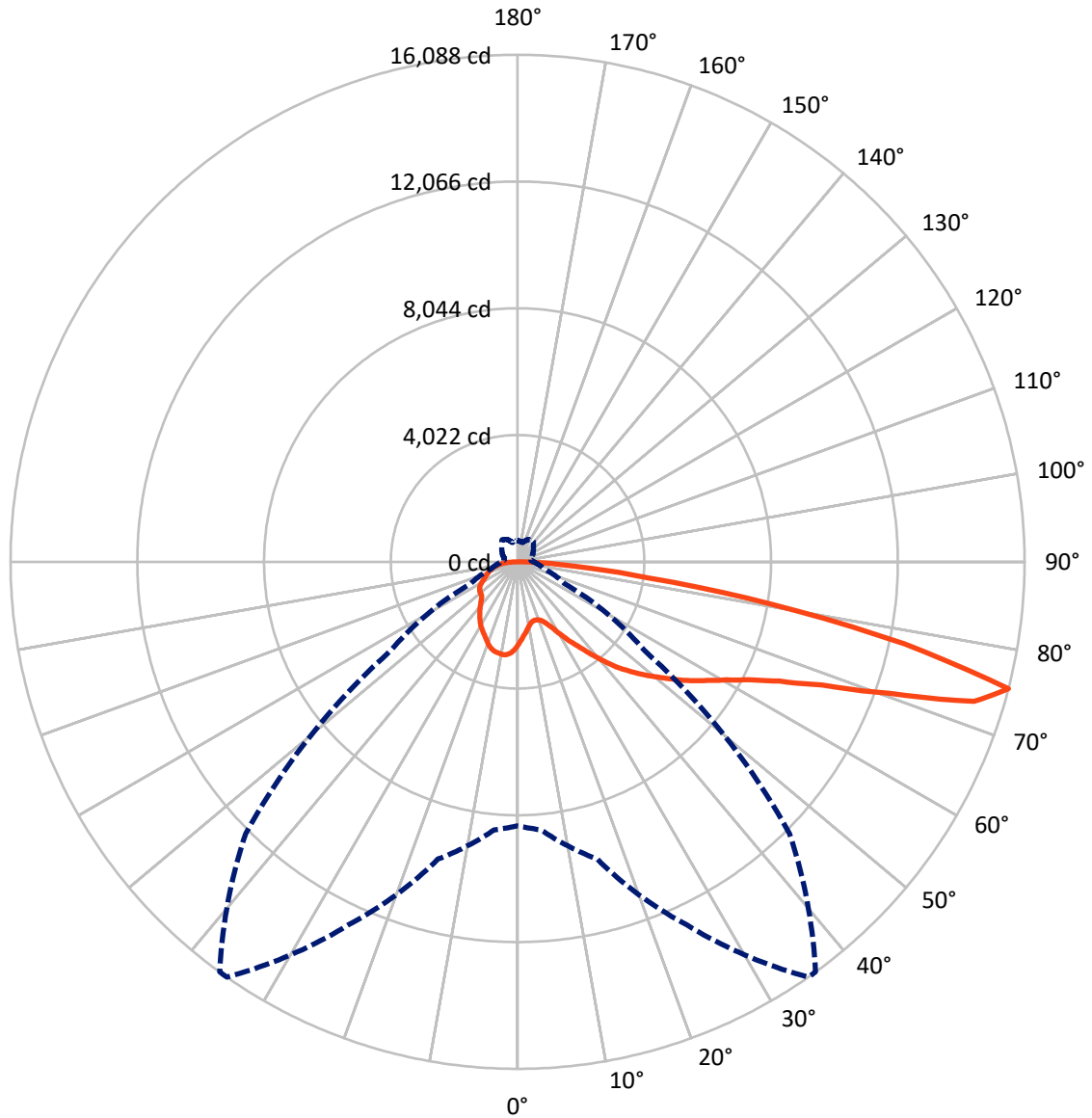
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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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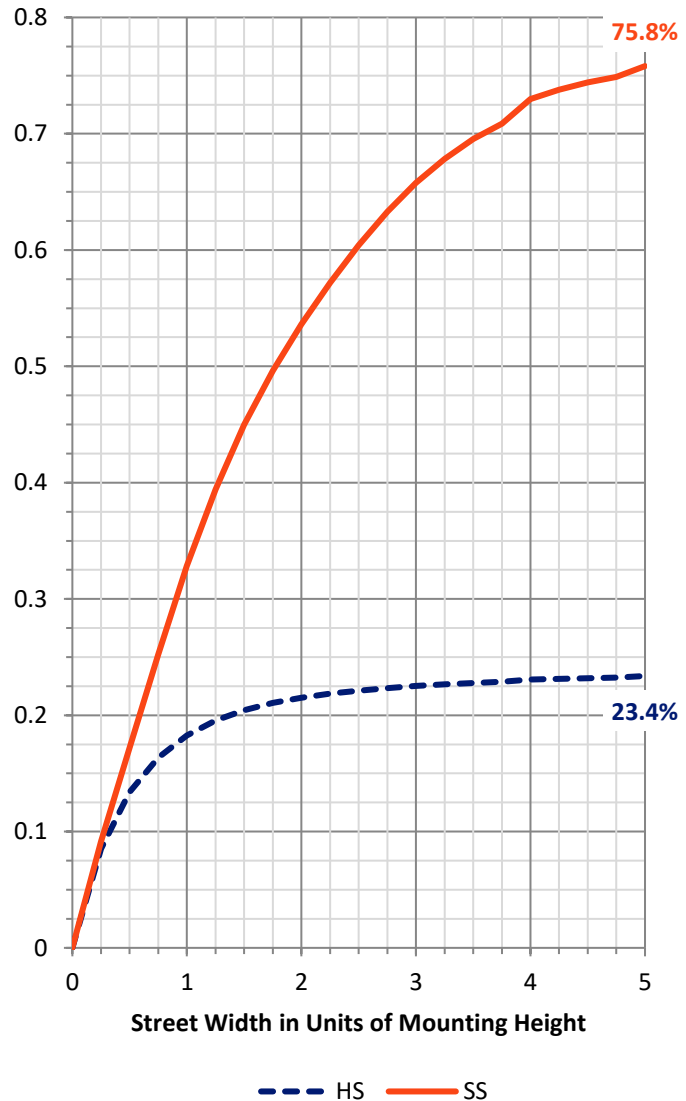
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4697.1	0.0	4697.1
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	15040.9	0.0	15040.9
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	19738.0	0.0	19738.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.0	1.3
10°-20°	718.3	3.6
20°-30°	1206.2	6.1
30°-40°	1874.6	9.5
40°-50°	2782.5	14.1
50°-60°	3841.4	19.5
60°-70°	4660.5	23.6
70°-80°	3851.5	19.5
80°-90°	554.0	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°	19738.0	100.0
0°-180°	19738.0	100.0

**Coefficient of Utilization**



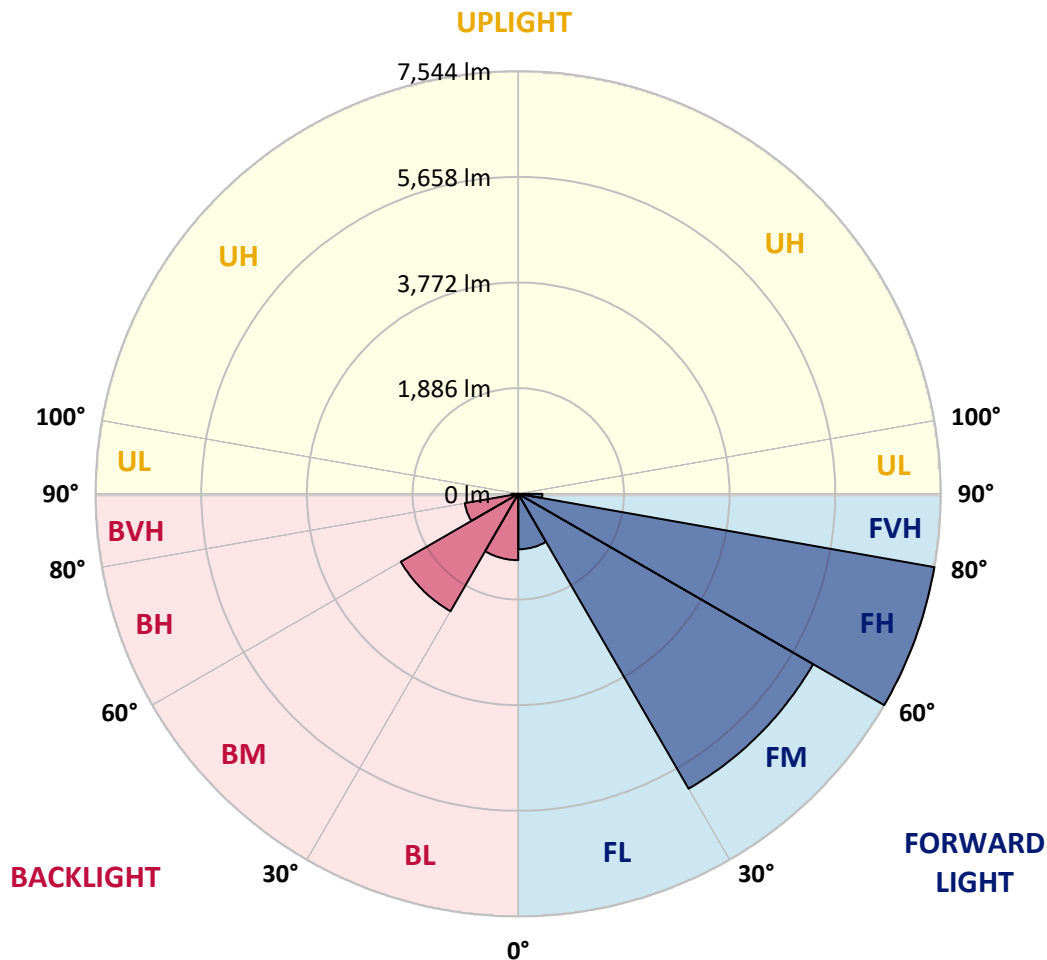
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	989.8	5.0			
FM (30°-60°)	6078.2	30.8			
FH (60°-80°)	7543.6	38.2			G4/12000
FVH (80°-90°)	429.2	2.2			G3/500
BL (0°-30°)	1183.7	6.0	B3/2500		
BM (30°-60°)	2420.3	12.3	B2/2500		
BH (60°-80°)	968.4	4.9	B2/1000		G2/1000
BVH (80°-90°)	124.7	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°	2630.2	2630.2	2630.2	2630.2	2630.2	2630.2	2630.2	2630.2	2630.2	2630.2
2.5°	2425.4	2440.3	2446.7	2443.5	2459.5	2457.4	2479.8	2507.5	2545.9	2583.3
5°	2238.6	2254.6	2268.5	2281.3	2312.2	2321.9	2357.1	2410.4	2480.8	2552.3
7.5°	2064.7	2078.6	2099.9	2123.4	2175.7	2185.3	2244.0	2327.2	2425.4	2529.9
10°	1922.8	1936.7	1959.1	1985.7	2050.8	2062.6	2137.3	2248.2	2376.3	2508.6
12.5°	1862.0	1866.2	1879.0	1905.7	1962.3	1969.7	2051.9	2178.9	2328.3	2492.6
15°	1858.8	1867.3	1868.4	1882.2	1929.2	1932.4	2008.1	2134.1	2298.4	2489.4
17.5°	1890.8	1897.2	1887.6	1896.1	1935.6	1940.9	2000.7	2112.7	2288.8	2503.2
20°	1976.1	1981.5	1952.7	1940.9	1969.7	1974.0	2032.7	2126.6	2298.4	2532.1
22.5°	2157.5	2160.7	2090.3	2042.3	2044.4	2046.6	2097.8	2183.1	2335.7	2584.3
25°	2440.3	2438.2	2326.1	2233.3	2179.9	2168.2	2202.3	2274.9	2398.7	2653.7
27.5°	2771.1	2755.1	2643.0	2504.3	2388.0	2370.9	2363.5	2394.4	2488.3	2745.5
30°	3144.5	3129.6	3009.0	2827.6	2666.5	2638.8	2568.3	2552.3	2621.7	2870.3
32.5°	3554.3	3544.7	3400.6	3180.8	2965.3	2933.3	2814.8	2772.1	2826.6	3059.2
35°	3897.9	3889.3	3769.8	3543.6	3280.0	3240.6	3120.0	3072.0	3099.7	3301.4
37.5°	4208.4	4204.1	4101.7	3923.5	3651.4	3603.4	3467.8	3451.8	3446.5	3620.4
40°	4496.5	4485.8	4379.1	4285.2	4083.5	4039.8	3920.3	3906.4	3865.8	4013.1
42.5°	4815.5	4787.8	4633.0	4589.3	4534.9	4498.6	4427.1	4429.2	4339.6	4455.9
45°	5075.8	5059.8	4900.9	4875.2	4933.9	4919.0	4980.9	4996.9	4823.0	4920.1
47.5°	5355.4	5340.5	5206.0	5187.9	5346.9	5351.1	5569.9	5575.2	5294.6	5402.4
50°	5700.1	5678.7	5545.3	5567.7	5745.9	5761.9	6162.1	6125.8	5728.9	5892.1
52.5°	5927.3	5940.1	5911.3	5947.6	6190.9	6205.8	6744.7	6651.8	6158.9	6375.5
55°	6094.9	6120.5	6210.1	6293.3	6660.4	6675.3	7294.2	7152.3	6515.3	6823.6
57.5°	6310.4	6274.1	6441.6	6603.8	7106.4	7145.9	7828.8	7634.6	6831.1	7209.9
60°	6619.8	6594.2	6724.4	6964.5	7605.8	7668.7	8394.3	8068.9	7062.7	7516.1
62.5°	7247.2	7183.2	7203.5	7415.8	8235.3	8318.5	9032.4	8447.7	7177.9	7635.6
65°	8185.2	8075.3	7972.8	8120.1	9122.0	9204.2	9752.6	8745.4	7135.2	7404.1
67.5°	9366.4	9257.5	9131.6	9270.3	10428.1	10493.1	10641.5	8912.9	6799.1	6512.1
70°	10340.6	10300.0	10450.5	11021.3	12514.1	12516.2	11781.0	8774.2	5878.3	4617.0
72.5°	10211.5	10186.9	10979.7	12744.6	15143.2	15086.7	12859.8	7724.2	3959.7	2082.8
75°	8377.2	8536.2	9764.4	12713.6	16087.6	16080.1	12199.3	4910.5	1637.9	863.2
77.5°	4492.2	4744.0	6339.2	9386.6	12558.9	12747.8	8576.8	1717.9	703.2	552.7
80°	1465.0	1684.8	2526.7	4779.2	8160.6	8125.4	3675.9	674.4	481.2	391.6
82.5°	622.1	647.7	1128.9	2256.8	4188.1	4123.0	1170.5	387.3	338.2	267.8
85°	243.3	272.1	498.3	1043.6	1813.9	1774.5	422.5	192.1	216.6	175.0
87.5°	80.0	97.1	178.2	357.5	564.5	544.2	103.5	66.2	93.9	80.0
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°
2630.2	0°	2630.2	2630.2	2630.2	2630.2	2630.2	2630.2	2630.2	2630.2	2630.2	2630.2
2637.7	2.5°	2652.6	2669.7	2690.0	2719.9	2745.5	2766.8	2789.2	2803.1	2808.4	2824.4
2642.0	5°	2671.8	2709.2	2759.3	2808.4	2856.4	2885.2	2910.9	2923.7	2935.4	2943.9
2653.7	7.5°	2703.8	2751.9	2830.8	2894.8	2935.4	2958.9	2975.9	2971.7	2975.9	2978.1
2666.5	10°	2731.6	2798.8	2892.7	2953.5	2984.5	2985.5	2981.3	2966.3	2958.9	2959.9
2685.7	12.5°	2764.7	2839.4	2940.7	2991.9	3000.5	2977.0	2958.9	2933.3	2923.7	2919.4
2714.5	15°	2809.5	2894.8	2993.0	3012.2	2990.9	2961.0	2930.1	2888.4	2867.1	2850.0
2763.6	17.5°	2863.9	2957.8	3033.6	3019.7	2973.8	2924.7	2874.6	2811.6	2767.9	2749.7
2830.8	20°	2939.7	3024.0	3064.5	3003.7	2934.3	2859.6	2774.3	2697.4	2656.9	2638.8
2916.2	22.5°	3031.4	3112.5	3094.4	2975.9	2877.8	2758.3	2651.6	2595.0	2574.7	2561.9
3026.1	25°	3141.3	3210.7	3115.7	2935.4	2784.9	2623.8	2541.7	2523.5	2513.9	2504.3
3160.5	27.5°	3284.3	3321.7	3131.7	2875.6	2639.8	2480.8	2451.0	2454.2	2451.0	2435.0
3347.3	30°	3473.2	3465.7	3146.7	2778.5	2473.4	2351.7	2353.9	2367.7	2369.9	2359.2
3607.6	32.5°	3721.8	3646.0	3154.1	2652.6	2314.4	2238.6	2240.8	2255.7	2266.4	2248.2
3948.0	35°	4022.7	3856.2	3142.4	2494.7	2191.7	2130.9	2114.8	2119.1	2122.3	2105.2
4360.9	37.5°	4373.7	4092.0	3090.1	2319.7	2090.3	2025.2	1991.1	1962.3	1945.2	1929.2
4828.3	40°	4758.9	4349.2	2994.1	2149.0	1977.2	1913.2	1862.0	1807.5	1749.9	1728.6
5323.4	42.5°	5162.3	4613.8	2877.8	1985.7	1847.0	1794.7	1740.3	1661.4	1574.9	1531.2
5837.7	45°	5580.6	4884.9	2763.6	1824.6	1713.6	1691.2	1628.3	1533.3	1439.4	1383.9
6353.1	47.5°	5990.3	5140.9	2596.1	1662.4	1588.8	1613.3	1564.3	1476.8	1372.2	1284.7
6864.2	50°	6381.9	5381.0	2321.9	1498.1	1487.4	1589.9	1542.9	1417.0	1297.5	1185.5
7365.7	52.5°	6770.3	5575.2	1970.8	1348.7	1433.0	1583.5	1515.2	1376.5	1230.3	1112.9
7837.3	55°	7100.0	5675.5	1632.6	1220.7	1354.1	1529.0	1482.1	1328.4	1135.3	1010.5
8160.6	57.5°	7287.8	5594.4	1350.9	1094.8	1245.2	1439.4	1425.5	1226.0	1022.2	926.2
8223.6	60°	7206.7	5265.8	1120.4	984.9	1141.7	1342.3	1327.4	1124.6	935.8	845.1
7886.4	62.5°	6759.6	4639.4	937.9	888.8	1047.8	1243.1	1229.2	1046.8	869.6	782.1
6991.2	65°	5859.0	3774.1	796.0	808.8	952.9	1123.6	1143.9	981.7	817.3	732.0
5408.8	67.5°	4468.7	2733.7	685.0	739.4	860.0	1006.2	1064.9	934.7	773.6	692.5
3129.6	70°	2547.0	1552.5	591.1	672.2	777.9	897.4	1004.1	897.4	726.6	659.4
1172.7	72.5°	965.7	712.8	511.1	605.0	698.9	805.6	936.8	838.7	672.2	622.1
606.1	75°	515.4	434.3	430.0	526.0	608.2	716.0	852.6	781.1	631.7	657.3
419.3	77.5°	351.1	307.3	359.6	450.3	509.0	616.7	762.9	693.6	547.4	545.3
290.2	80°	243.3	217.7	292.4	362.8	393.7	518.6	665.8	595.4	446.0	416.1
179.3	82.5°	146.2	141.9	218.7	271.0	278.5	400.1	551.7	499.4	364.9	318.0
106.7	85°	80.0	84.3	139.8	159.0	162.2	279.6	432.1	386.3	280.6	235.8
38.4	87.5°	22.4	28.8	51.2	63.0	77.9	145.1	257.2	229.4	140.8	98.2
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°
2630.2
2823.4
2946.1
2981.3
2962.1
2917.3
2855.4
2750.8
2636.6
2564.1
2504.3
2438.2
2364.5
2256.8
2117.0
1939.9
1738.2
1536.5
1379.7
1275.1
1175.9
1100.1
999.8
913.4
832.3
768.3
718.1
679.7
650.9
613.5
678.6
502.6
398.0
320.1
237.9
98.2
0.0

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