

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: P852407

Luminaire Tested: **GLAN-SB3C-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852407
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-SB3C-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18388 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

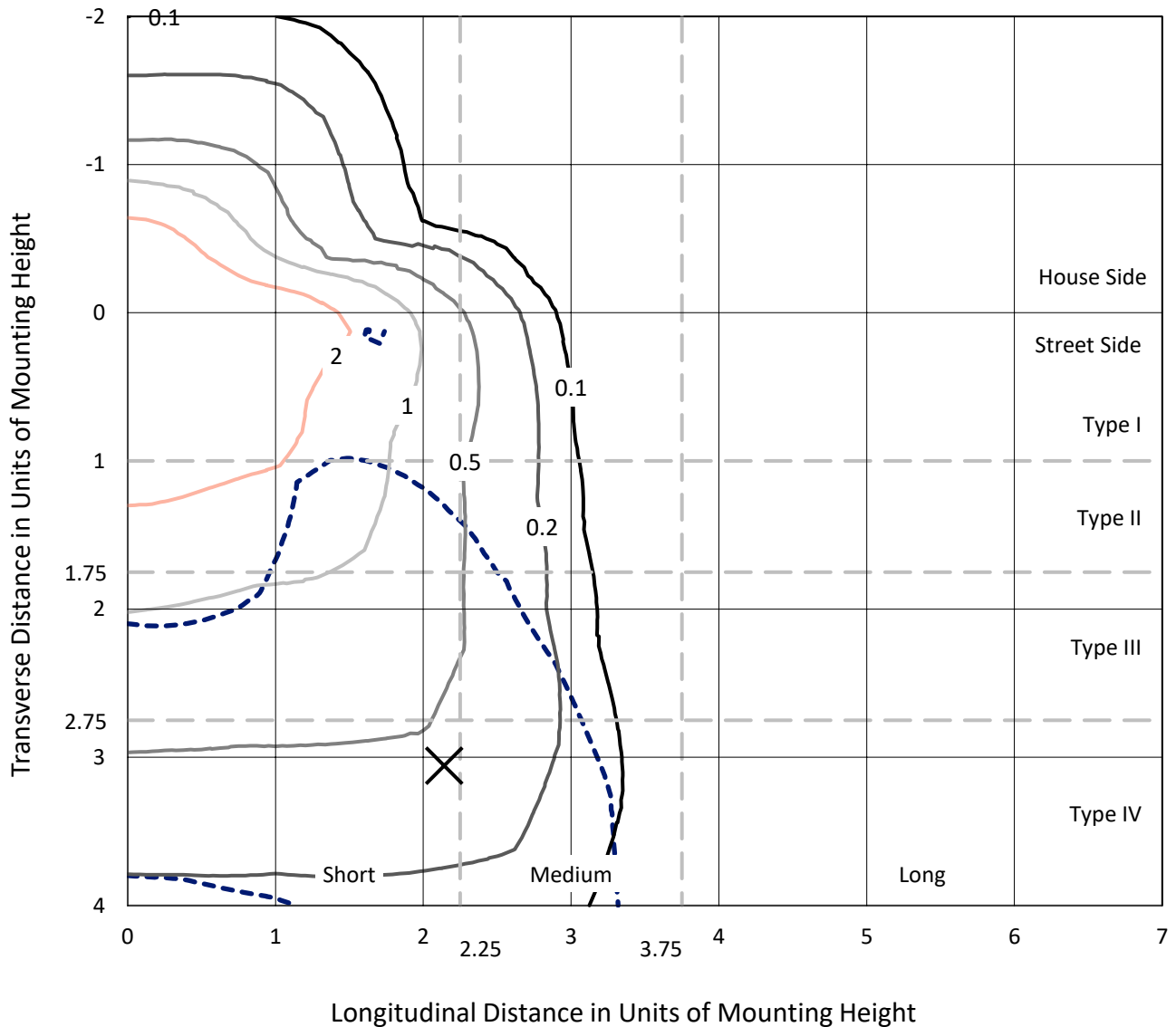
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

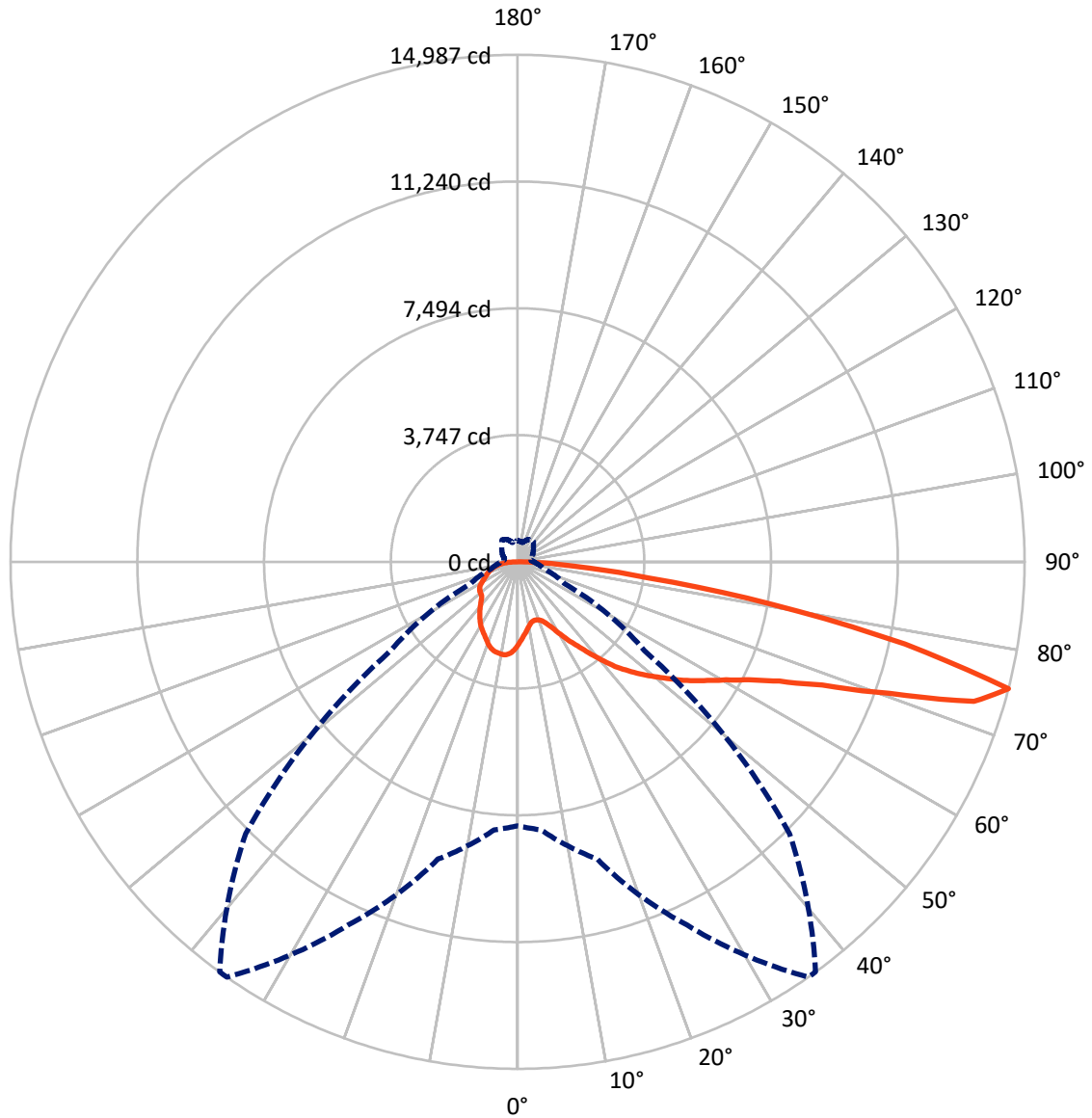
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	4375.9	0.0	4375.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	14012.1	0.0	14012.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	18388.0	0.0	18388.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.0	1.3
10°-20°	669.2	3.6
20°-30°	1123.7	6.1
30°-40°	1746.4	9.5
40°-50°	2592.2	14.1
50°-60°	3578.6	19.5
60°-70°	4341.7	23.6
70°-80°	3588.1	19.5
80°-90°	516.1	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°	18388.0	100.0
0°-180°	18388.0	100.0

Coefficient of Utilization



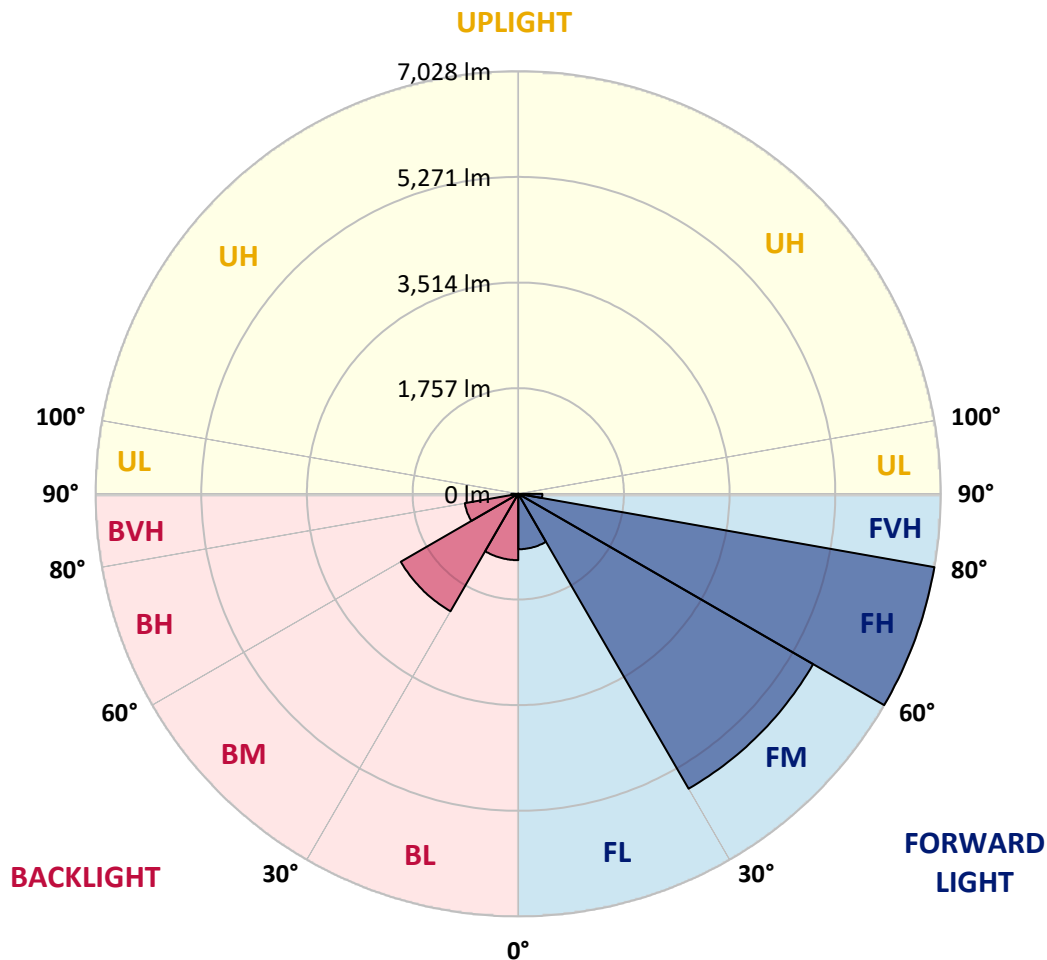
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	922.1	5.0			
FM (30°-60°)	5662.5	30.8			
FH (60°-80°)	7027.6	38.2			G3/7500
FVH (80°-90°)	399.9	2.2			G3/500
BL (0°-30°)	1102.8	6.0	B3/2500		
BM (30°-60°)	2254.7	12.3	B2/2500		
BH (60°-80°)	902.2	4.9	B2/1000		G2/1000
BVH (80°-90°)	116.2	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2450.3	2450.3	2450.3	2450.3	2450.3	2450.3	2450.3	2450.3	2450.3	2450.3
2.5°	2259.5	2273.4	2279.3	2276.4	2291.3	2289.3	2310.2	2336.0	2371.8	2406.6
5°	2085.5	2100.4	2113.3	2125.3	2154.1	2163.0	2195.8	2245.6	2311.2	2377.8
7.5°	1923.5	1936.4	1956.3	1978.2	2026.9	2035.8	2090.5	2168.0	2259.5	2356.9
10°	1791.3	1804.2	1825.1	1849.9	1910.6	1921.5	1991.1	2094.5	2213.7	2337.0
12.5°	1734.6	1738.6	1750.5	1775.4	1828.1	1835.0	1911.6	2029.8	2169.0	2322.1
15°	1731.6	1739.6	1740.6	1753.5	1797.2	1800.2	1870.8	1988.1	2141.2	2319.1
17.5°	1761.5	1767.4	1758.5	1766.4	1803.2	1808.2	1863.8	1968.2	2132.2	2332.0
20°	1841.0	1845.9	1819.1	1808.2	1835.0	1839.0	1893.7	1981.1	2141.2	2358.9
22.5°	2010.0	2012.9	1947.3	1902.6	1904.6	1906.6	1954.3	2033.8	2176.0	2407.6
25°	2273.4	2271.4	2167.0	2080.5	2030.8	2019.9	2051.7	2119.3	2234.6	2472.2
27.5°	2581.5	2566.6	2462.3	2333.0	2224.7	2208.8	2201.8	2230.6	2318.1	2557.7
30°	2929.5	2915.5	2803.2	2634.2	2484.1	2458.3	2392.7	2377.8	2442.4	2674.0
32.5°	3311.2	3302.2	3168.0	2963.3	2762.5	2732.6	2622.3	2582.5	2633.2	2849.9
35°	3631.3	3623.3	3512.0	3301.2	3055.7	3018.9	2906.6	2861.9	2887.7	3075.6
37.5°	3920.5	3916.5	3821.1	3655.1	3401.6	3356.9	3230.7	3215.7	3210.8	3372.8
40°	4188.9	4179.0	4079.6	3992.1	3804.2	3763.5	3652.1	3639.2	3601.4	3738.6
42.5°	4486.1	4460.3	4316.2	4275.4	4224.7	4190.9	4124.3	4126.3	4042.8	4151.1
45°	4728.7	4713.8	4565.7	4541.8	4596.5	4582.6	4640.2	4655.1	4493.1	4583.5
47.5°	4989.1	4975.2	4850.0	4833.1	4981.2	4985.1	5188.9	5193.9	4932.5	5032.9
50°	5310.2	5290.3	5166.1	5186.9	5352.9	5367.9	5740.6	5706.8	5337.0	5489.1
52.5°	5521.9	5533.9	5507.0	5540.8	5767.5	5781.4	6283.4	6196.9	5737.6	5939.4
55°	5678.0	5701.9	5785.4	5862.9	6204.8	6218.8	6795.3	6663.1	6069.6	6356.9
57.5°	5878.8	5845.0	6001.1	6152.2	6620.4	6657.1	7293.3	7112.4	6363.9	6716.8
60°	6167.1	6143.2	6264.5	6488.1	7085.6	7144.2	7820.2	7517.0	6579.6	7002.1
62.5°	6751.6	6691.9	6710.8	6908.6	7672.1	7749.6	8414.6	7869.9	6687.0	7113.4
65°	7625.3	7522.9	7427.5	7564.7	8498.1	8574.6	9085.6	8147.2	6647.2	6897.7
67.5°	8725.7	8624.4	8507.1	8636.3	9714.8	9775.5	9913.6	8303.3	6334.1	6066.7
70°	9633.3	9595.5	9735.7	10267.5	11658.2	11660.2	10975.3	8174.0	5476.2	4301.2
72.5°	9513.0	9490.2	10228.7	11872.9	14107.5	14054.8	11980.3	7195.9	3688.9	1940.4
75°	7804.3	7952.4	9096.5	11844.1	14987.2	14980.3	11364.9	4574.6	1525.9	804.2
77.5°	4184.9	4419.5	5905.6	8744.6	11699.9	11875.9	7990.1	1600.4	655.1	514.9
80°	1364.8	1569.6	2353.9	4452.3	7602.5	7569.7	3424.5	628.2	448.3	364.8
82.5°	579.5	603.4	1051.7	2102.4	3901.6	3841.0	1090.5	360.8	315.1	249.5
85°	226.6	253.5	464.2	972.2	1689.9	1653.1	393.6	178.9	201.8	163.0
87.5°	74.6	90.5	166.0	333.0	525.9	507.0	96.4	61.6	87.5	74.6
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°
2450.3	0°	2450.3	2450.3	2450.3	2450.3	2450.3	2450.3	2450.3	2450.3	2450.3	2450.3
2457.3	2.5°	2471.2	2487.1	2506.0	2533.8	2557.7	2577.6	2598.4	2611.4	2616.3	2631.2
2461.3	5°	2489.1	2523.9	2570.6	2616.3	2661.1	2687.9	2711.8	2723.7	2734.6	2742.6
2472.2	7.5°	2518.9	2563.6	2637.2	2696.8	2734.6	2756.5	2772.4	2768.4	2772.4	2774.4
2484.1	10°	2544.8	2607.4	2694.9	2751.5	2780.3	2781.3	2777.4	2763.5	2756.5	2757.5
2502.0	12.5°	2575.6	2645.2	2739.6	2787.3	2795.3	2773.4	2756.5	2732.6	2723.7	2719.7
2528.9	15°	2617.3	2696.8	2788.3	2806.2	2786.3	2758.5	2729.7	2690.9	2671.0	2655.1
2574.6	17.5°	2668.0	2755.5	2826.1	2813.2	2770.4	2724.7	2678.0	2619.3	2578.6	2561.7
2637.2	20°	2738.6	2817.1	2854.9	2798.2	2733.6	2664.0	2584.5	2513.0	2475.2	2458.3
2716.7	22.5°	2824.1	2899.6	2882.7	2772.4	2680.9	2569.6	2470.2	2417.5	2398.6	2386.7
2819.1	25°	2926.5	2991.1	2902.6	2734.6	2594.5	2444.4	2367.8	2350.9	2342.0	2333.0
2944.4	27.5°	3059.7	3094.5	2917.5	2679.0	2459.3	2311.2	2283.3	2286.3	2283.3	2268.4
3118.3	30°	3235.6	3228.7	2931.4	2588.5	2304.2	2190.9	2192.9	2205.8	2207.8	2197.8
3360.9	32.5°	3467.2	3396.7	2938.4	2471.2	2156.1	2085.5	2087.5	2101.4	2111.4	2094.5
3678.0	35°	3747.6	3592.5	2927.5	2324.1	2041.8	1985.1	1970.2	1974.2	1977.2	1961.3
4062.7	37.5°	4074.6	3812.2	2878.8	2161.1	1947.3	1886.7	1854.9	1828.1	1812.1	1797.2
4498.1	40°	4433.4	4051.7	2789.3	2002.0	1842.0	1782.3	1734.6	1683.9	1630.2	1610.4
4959.3	42.5°	4809.2	4298.3	2680.9	1849.9	1720.7	1672.0	1621.3	1547.7	1467.2	1426.5
5438.4	45°	5198.9	4550.7	2574.6	1699.8	1596.4	1575.6	1516.9	1428.4	1341.0	1289.3
5918.6	47.5°	5580.6	4789.3	2418.5	1548.7	1480.1	1503.0	1457.3	1375.8	1278.3	1196.8
6394.7	50°	5945.4	5013.0	2163.0	1395.6	1385.7	1481.1	1437.4	1320.1	1208.8	1104.4
6861.9	52.5°	6307.2	5193.9	1836.0	1256.5	1335.0	1475.2	1411.5	1282.3	1146.1	1036.8
7301.3	55°	6614.4	5287.3	1520.9	1137.2	1261.4	1424.5	1380.7	1237.6	1057.7	941.4
7602.5	57.5°	6789.3	5211.8	1258.5	1019.9	1160.1	1341.0	1328.0	1142.2	952.3	862.8
7661.1	60°	6713.8	4905.6	1043.7	917.5	1063.6	1250.5	1236.6	1047.7	871.8	787.3
7347.0	62.5°	6297.3	4322.1	873.8	828.0	976.2	1158.1	1145.1	975.2	810.1	728.6
6513.0	65°	5458.3	3515.9	741.6	753.5	887.7	1046.7	1065.6	914.5	761.4	681.9
5038.8	67.5°	4163.1	2546.7	638.2	688.9	801.2	937.4	992.1	870.8	720.7	645.1
2915.5	70°	2372.8	1446.3	550.7	626.2	724.7	836.0	935.4	836.0	676.9	614.3
1092.5	72.5°	899.6	664.0	476.1	563.6	651.1	750.5	872.8	781.3	626.2	579.5
564.6	75°	480.1	404.6	400.6	490.1	566.6	667.0	794.2	727.6	588.5	612.3
390.7	77.5°	327.0	286.3	335.0	419.5	474.2	574.6	710.7	646.1	509.9	508.0
270.4	80°	226.6	202.8	272.4	338.0	366.8	483.1	620.3	554.7	415.5	387.7
167.0	82.5°	136.2	132.2	203.8	252.5	259.4	372.8	513.9	465.2	340.0	296.2
99.4	85°	74.6	78.5	130.2	148.1	151.1	260.4	402.6	359.8	261.4	219.7
35.8	87.5°	20.9	26.8	47.7	58.6	72.6	135.2	239.6	213.7	131.2	91.5
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°
2450.3
2630.2
2744.6
2777.4
2759.5
2717.7
2660.1
2562.7
2456.3
2388.7
2333.0
2271.4
2202.8
2102.4
1972.2
1807.2
1619.3
1431.4
1285.3
1187.9
1095.4
1024.9
931.4
850.9
775.4
715.7
669.0
633.2
606.4
571.6
632.2
468.2
370.8
298.2
221.7
91.5
0.0

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