

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: P846916

Luminaire Tested: **GLAN-SB2D-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19787 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

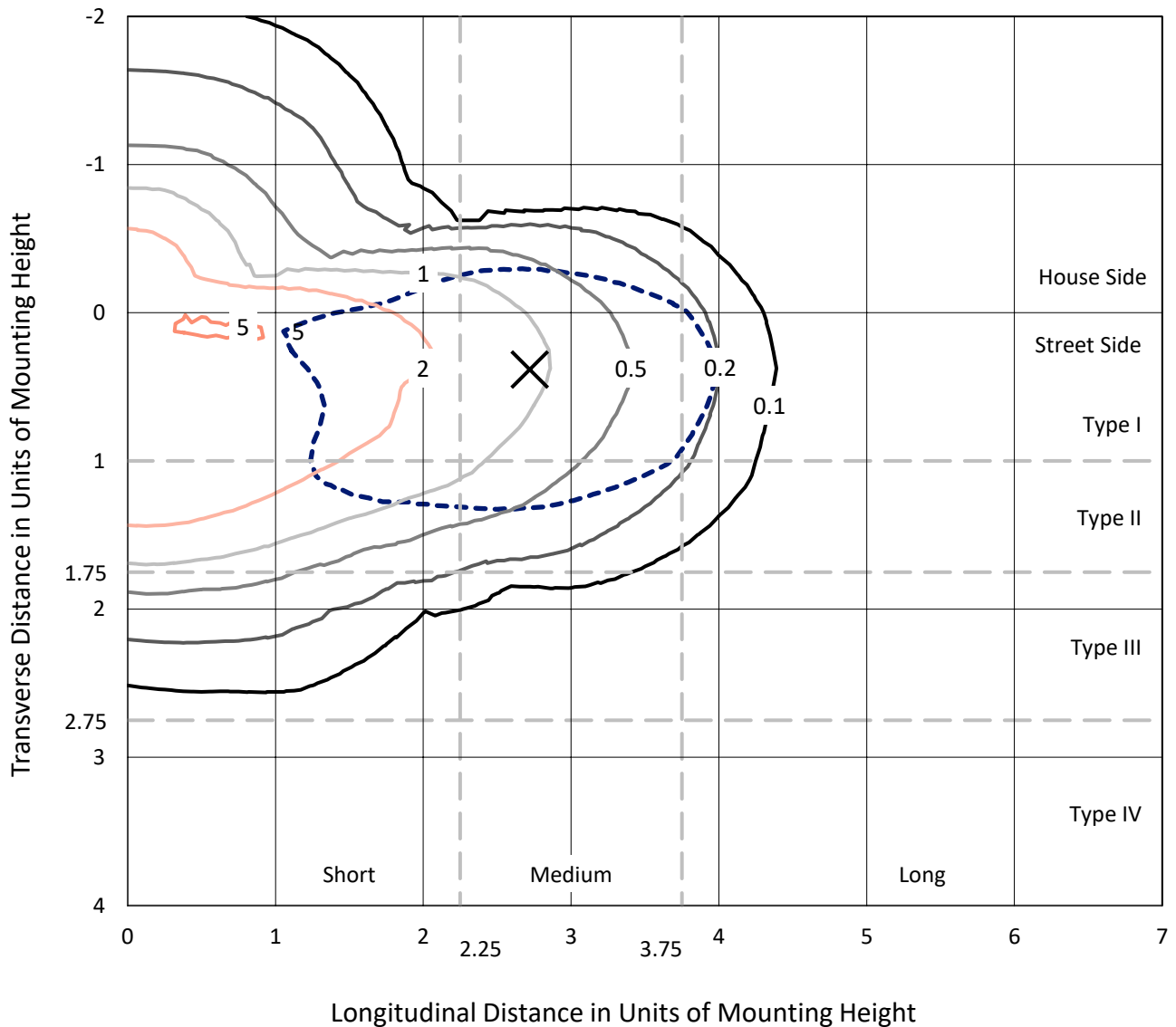
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

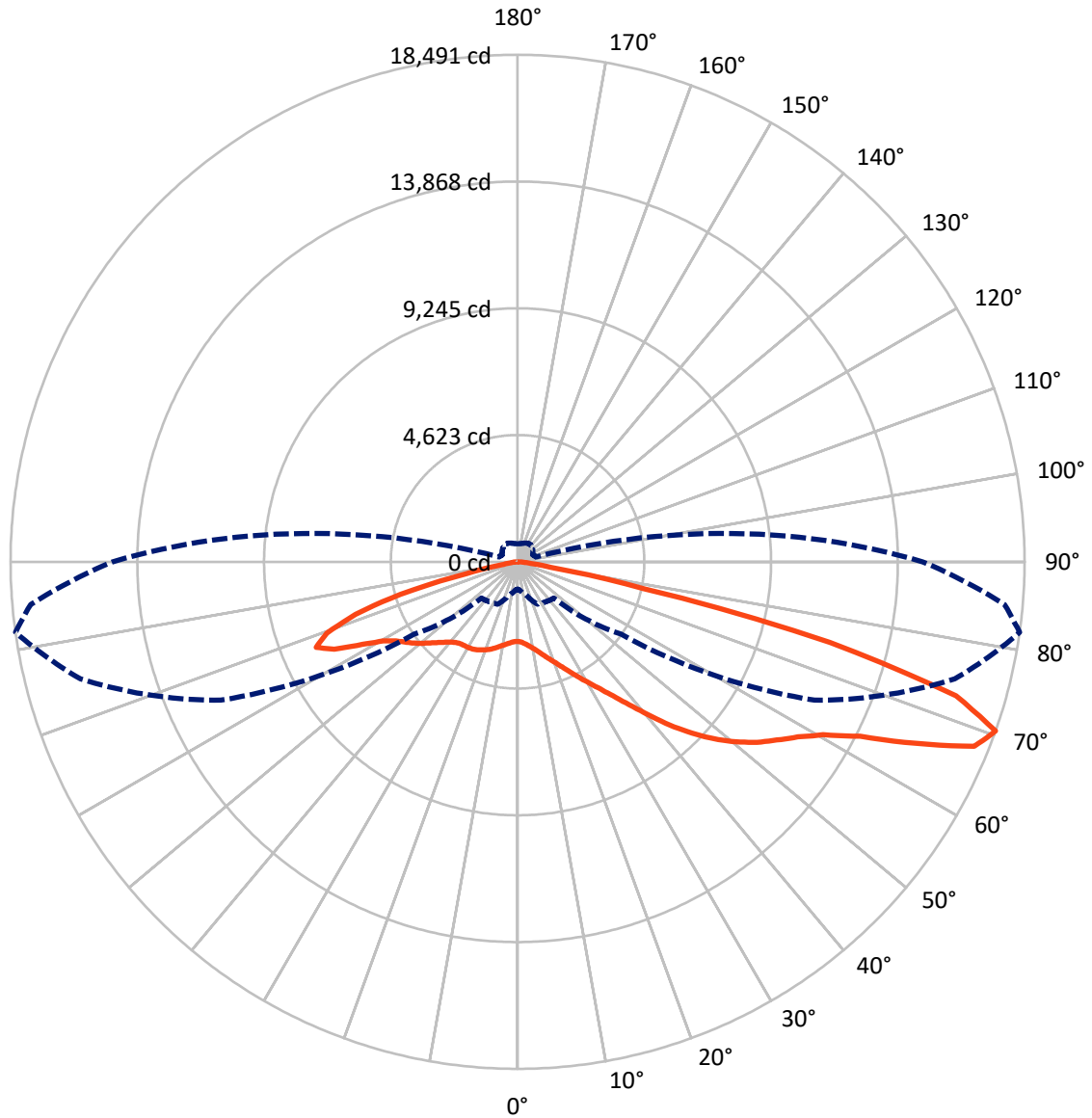
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4878.0	0.0	4878.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	14909.0	0.0	14909.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	19787.0	0.0	19787.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.9	1.4
10°-20°	787.0	4.0
20°-30°	1316.5	6.7
30°-40°	2056.7	10.4
40°-50°	3275.5	16.6
50°-60°	4558.3	23.0
60°-70°	4768.2	24.1
70°-80°	2492.1	12.6
80°-90°	258.8	1.3
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°	19787.0	100.0
0°-180°	19787.0	100.0

Coefficient of Utilization

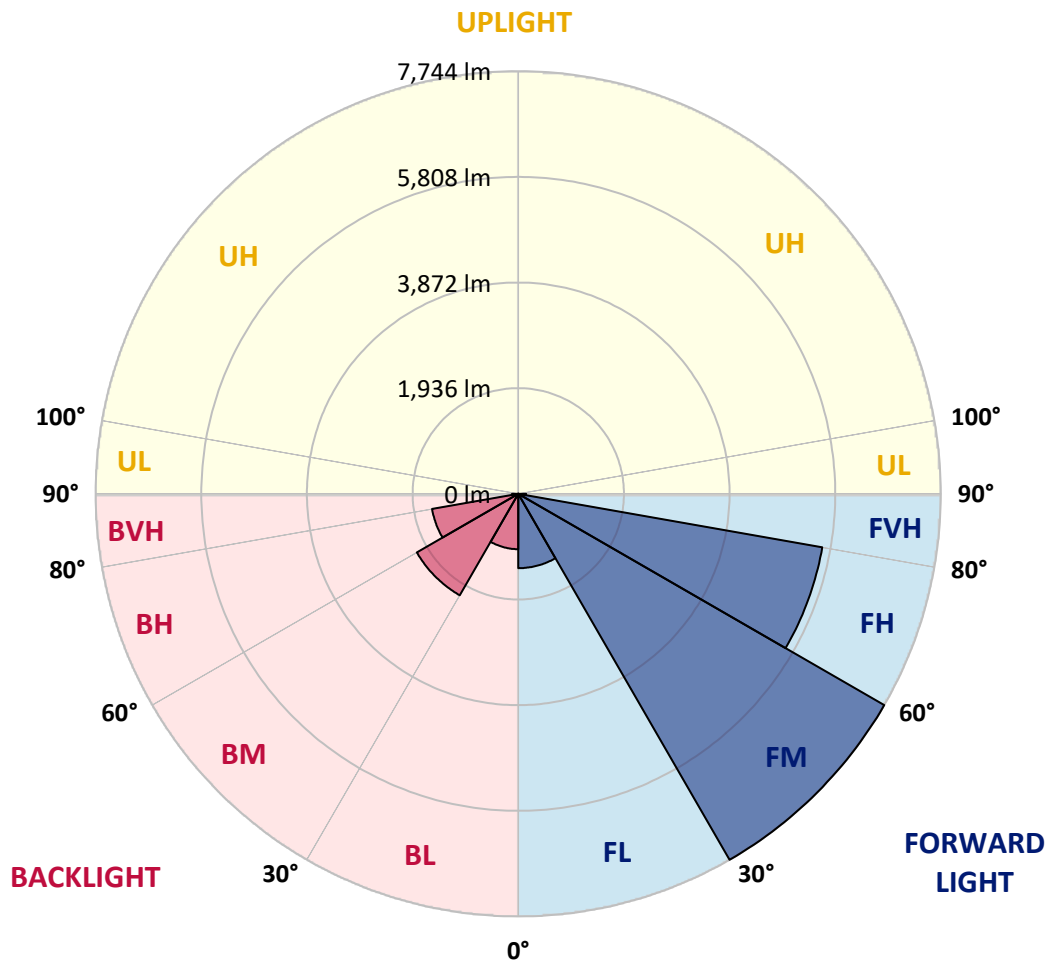


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1362.6	6.9			
FM (30°-60°)	7744.4	39.1			
FH (60°-80°)	5657.2	28.6			G3/7500
FVH (80°-90°)	144.9	0.7			G2/225
BL (0°-30°)	1014.8	5.1	B3/2500		
BM (30°-60°)	2146.1	10.8	B2/2500		
BH (60°-80°)	1603.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	113.9	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2901.0	2901.0	2901.0	2901.0	2901.0	2901.0	2901.0	2901.0	2901.0	2901.0
2.5°	2970.3	2987.1	2981.9	2976.6	2976.6	2969.3	2968.2	2957.7	2949.3	2935.7
5°	3008.1	3026.0	3023.9	3028.1	3041.7	3044.9	3048.0	3041.7	3024.9	3008.1
7.5°	2974.5	2994.5	3000.8	3026.0	3068.0	3105.8	3134.1	3145.7	3129.9	3105.8
10°	2861.1	2883.2	2905.2	2965.1	3039.6	3128.9	3204.5	3249.6	3246.5	3223.4
12.5°	2631.2	2654.3	2701.5	2818.1	2954.6	3112.1	3252.8	3347.3	3379.8	3363.0
15°	2447.4	2467.4	2503.1	2622.8	2800.2	3039.6	3270.6	3454.3	3537.3	3527.8
17.5°	2442.2	2450.6	2472.6	2529.3	2665.8	2926.2	3251.7	3559.3	3717.9	3716.8
20°	2534.6	2537.7	2550.3	2561.9	2639.6	2840.1	3203.4	3646.5	3920.5	3920.5
22.5°	2662.7	2660.6	2673.2	2662.7	2700.5	2832.8	3173.0	3723.1	4146.3	4163.1
25°	2854.8	2844.3	2841.2	2817.0	2824.4	2901.0	3206.6	3810.3	4414.0	4448.7
27.5°	3111.0	3094.2	3082.7	3027.0	3008.1	3041.7	3309.5	3915.3	4712.2	4772.0
30°	3444.9	3414.4	3397.6	3301.1	3232.8	3238.1	3464.8	4054.9	5024.0	5120.6
32.5°	3900.6	3853.3	3808.2	3649.6	3524.7	3483.7	3665.4	4248.1	5362.1	5516.5
35°	4410.9	4373.1	4324.8	4080.1	3888.0	3793.5	3936.3	4518.0	5757.9	6002.6
37.5°	4902.2	4869.7	4892.8	4563.1	4315.3	4177.8	4291.2	4880.2	6246.2	6607.4
40°	5410.4	5385.2	5388.4	5073.4	4784.6	4630.3	4721.6	5334.8	6805.8	7326.6
42.5°	5962.7	5943.8	5880.8	5601.5	5277.1	5133.2	5217.2	5859.8	7406.4	8145.5
45°	6581.1	6569.6	6510.8	6190.5	5818.8	5657.1	5770.5	6439.4	8010.1	8916.2
47.5°	7115.5	7125.0	7117.6	6847.8	6462.5	6225.2	6360.6	7044.1	8571.8	9640.7
50°	7372.8	7422.1	7494.6	7410.6	7171.2	6929.7	6955.9	7627.9	9107.3	10320.0
52.5°	7238.4	7331.8	7529.2	7663.6	7756.0	7705.6	7635.3	8207.5	9611.3	10933.2
55°	6737.6	6868.8	7196.4	7520.8	7992.2	8358.7	8451.1	8850.1	10102.7	11472.8
57.5°	5825.1	6038.3	6332.3	6988.5	7782.3	8674.7	9402.3	9741.5	10623.4	12049.3
60°	4260.7	4546.3	4911.7	5888.1	7047.3	8505.7	10211.8	11110.6	11363.6	12795.8
62.5°	2726.7	2903.1	3239.1	4158.9	5491.3	7639.5	10459.6	12822.0	12618.3	14020.0
65°	1866.8	1980.2	2287.8	2804.4	3549.9	5686.5	9796.1	14105.1	14611.2	15960.3
67.5°	1356.5	1442.6	1705.1	2157.7	2313.0	3365.1	7601.7	14046.3	16548.3	17959.5
70°	989.1	1050.0	1270.4	1705.1	1779.7	1872.1	4605.1	11940.1	16506.3	18490.7
72.5°	732.9	774.9	922.9	1322.9	1440.5	1264.1	2279.4	8677.9	14183.8	16724.7
75°	530.2	561.7	670.9	1012.2	1152.8	962.8	1137.1	5071.3	9893.7	11764.7
77.5°	405.3	429.4	500.8	741.3	922.9	722.4	705.6	2333.0	4691.2	4714.3
80°	325.5	341.2	380.1	521.8	707.7	540.7	459.9	941.8	1482.5	1254.7
82.5°	239.4	265.6	321.3	366.4	506.1	372.7	280.3	475.6	563.8	485.1
85°	136.5	154.3	194.2	262.5	323.4	227.8	160.6	211.0	262.5	215.2
87.5°	48.3	63.0	68.2	102.9	140.7	94.5	61.9	60.9	86.1	64.0
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°
2901.0	0°	2901.0	2901.0	2901.0	2901.0	2901.0	2901.0	2901.0	2901.0	2901.0	2901.0
2932.5	2.5°	2922.0	2916.8	2895.8	2867.4	2838.0	2809.7	2800.2	2780.3	2766.6	2759.3
3000.8	5°	2980.8	2964.0	2914.7	2851.7	2785.5	2714.1	2663.7	2617.5	2583.9	2552.4
3094.2	7.5°	3064.8	3035.4	2950.4	2840.1	2722.5	2603.9	2515.7	2448.5	2403.3	2373.9
3203.4	10°	3162.5	3117.3	2987.1	2822.3	2640.6	2470.5	2366.6	2308.8	2280.5	2264.7
3328.4	12.5°	3274.8	3210.8	3024.9	2781.3	2515.7	2321.4	2250.1	2233.3	2234.3	2235.4
3485.8	15°	3413.4	3324.2	3055.4	2692.1	2352.9	2207.0	2194.4	2221.7	2250.1	2263.7
3664.3	17.5°	3569.8	3443.8	3060.6	2545.1	2193.4	2133.5	2173.4	2232.2	2275.2	2294.1
3863.8	20°	3737.8	3565.6	3022.8	2337.2	2062.1	2073.7	2145.1	2220.7	2267.9	2292.0
4091.7	22.5°	3930.0	3695.8	2932.5	2118.8	1955.0	2008.6	2092.6	2166.1	2215.4	2239.6
4359.4	25°	4149.4	3841.8	2790.8	1935.1	1862.6	1935.1	2019.1	2080.0	2119.9	2141.9
4658.6	27.5°	4393.0	3994.0	2601.8	1789.1	1781.8	1859.5	1928.8	1976.0	1997.0	2013.8
4976.8	30°	4637.6	4132.6	2372.9	1678.9	1711.4	1784.9	1834.3	1855.3	1861.6	1864.7
5331.7	32.5°	4902.2	4252.3	2132.5	1587.5	1644.2	1712.5	1741.9	1751.3	1721.9	1702.0
5762.1	35°	5222.5	4380.4	1897.3	1515.1	1578.1	1636.9	1646.3	1637.9	1603.3	1562.3
6301.8	37.5°	5618.3	4540.0	1709.3	1463.6	1516.1	1555.0	1543.4	1541.3	1544.5	1496.2
6950.7	40°	6103.4	4747.9	1571.8	1423.7	1465.7	1474.1	1441.6	1459.4	1475.2	1401.7
7662.6	42.5°	6642.0	4998.8	1484.6	1396.4	1423.7	1403.8	1353.4	1373.3	1371.2	1274.6
8377.6	45°	7191.1	5271.8	1454.2	1376.5	1384.9	1345.0	1289.3	1294.6	1250.5	1163.3
9063.2	47.5°	7737.1	5564.8	1473.1	1359.7	1336.6	1291.4	1248.4	1225.3	1160.2	1095.1
9720.5	50°	8272.6	5872.4	1542.4	1326.1	1270.4	1244.2	1212.7	1171.7	1102.5	1046.8
10342.0	52.5°	8769.2	6182.1	1620.1	1270.4	1187.5	1203.2	1183.3	1136.0	1067.8	1011.1
10930.0	55°	9239.6	6491.9	1650.5	1193.8	1109.8	1167.5	1156.0	1068.9	987.0	940.8
11545.3	57.5°	9752.0	6864.6	1616.9	1096.2	1046.8	1126.6	1082.5	985.9	938.7	904.0
12346.4	60°	10461.7	7449.4	1544.5	975.4	987.0	1065.7	990.1	950.2	898.8	859.9
13547.6	62.5°	11640.8	8540.3	1427.9	855.7	916.6	975.4	946.0	906.1	853.6	815.8
15601.3	65°	13383.8	10056.5	1208.5	762.3	837.9	887.2	898.8	858.9	804.3	764.4
17400.9	67.5°	14853.7	11007.7	914.5	684.6	757.0	815.8	848.4	809.5	751.8	712.9
17821.9	70°	14772.8	10316.8	698.2	607.9	685.6	745.5	787.5	757.0	695.1	658.3
16188.2	72.5°	13121.3	8630.6	564.9	530.2	613.2	672.0	722.4	699.3	636.3	600.6
11859.2	75°	9639.6	6126.5	451.5	451.5	522.9	595.3	651.0	636.3	578.5	553.3
4978.9	77.5°	4063.3	2570.3	353.8	374.8	434.7	511.3	580.6	585.9	535.5	567.0
1316.6	80°	1080.4	708.7	269.8	295.0	341.2	422.1	505.0	502.9	448.3	418.9
489.3	82.5°	411.6	279.3	192.1	207.9	246.7	323.4	400.0	412.6	358.0	309.7
192.1	85°	158.5	119.7	118.6	124.9	143.8	214.2	302.4	312.9	269.8	228.9
53.5	87.5°	40.9	35.7	44.1	42.0	66.1	114.4	173.2	179.5	164.8	95.5
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°
2901.0
2767.7
2565.0
2380.2
2268.9
2237.5
2262.6
2298.3
2298.3
2245.9
2148.2
2020.1
1872.1
1708.3
1564.4
1499.3
1403.8
1273.6
1166.5
1095.1
1042.6
1012.2
936.6
900.9
857.8
815.8
766.5
714.0
661.5
600.6
546.0
514.5
389.5
309.7
236.2
136.5
0.0

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