

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: P848186

Luminaire Tested: **GLAN-SB4C-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848186
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-SB4C-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25536 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

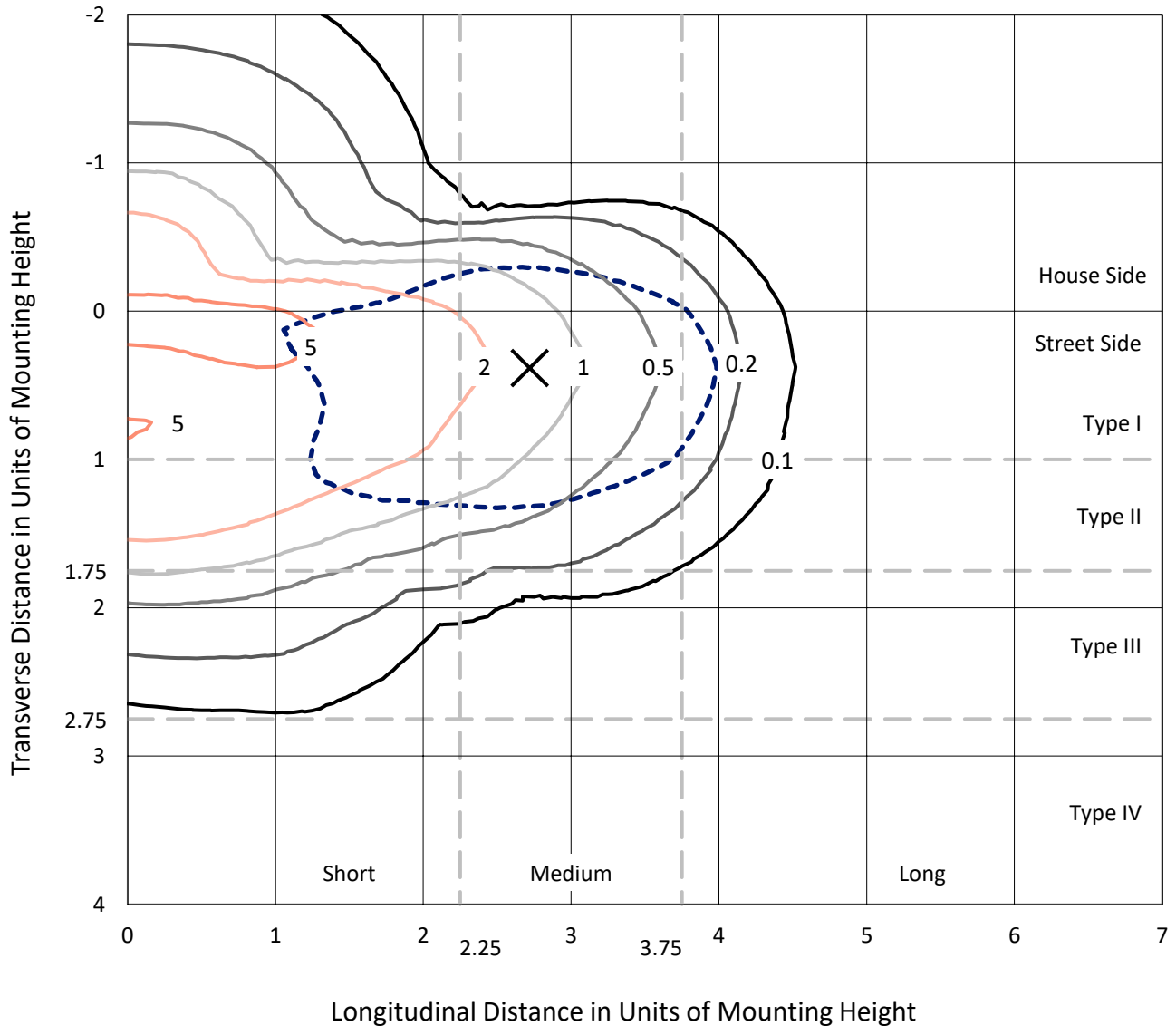
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

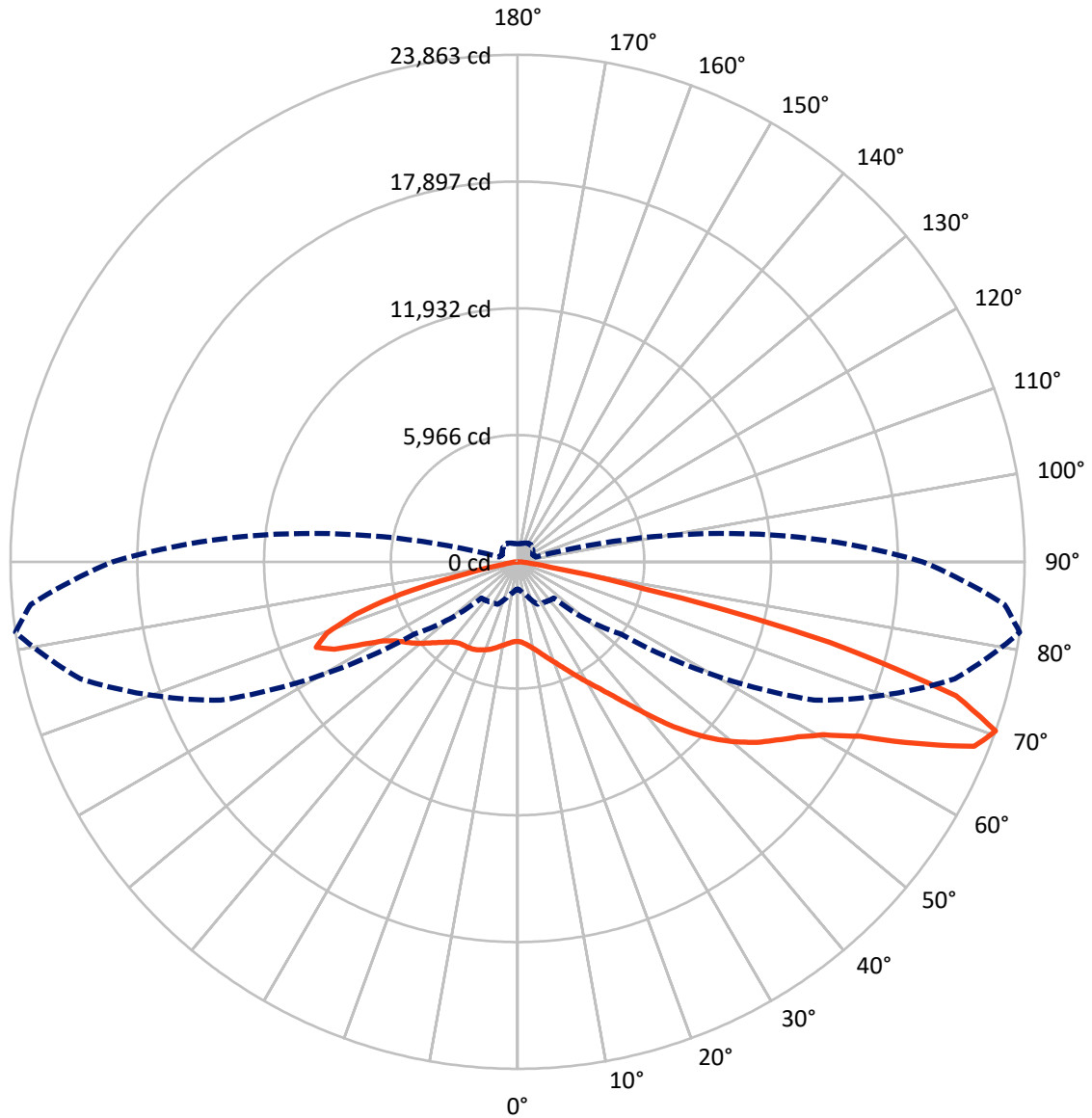
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	6295.2	0.0	6295.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	19240.7	0.0	19240.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	25536.0	0.0	25536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.5	1.4
10°-20°	1015.6	4.0
20°-30°	1699.0	6.7
30°-40°	2654.3	10.4
40°-50°	4227.2	16.6
50°-60°	5882.7	23.0
60°-70°	6153.6	24.1
70°-80°	3216.2	12.6
80°-90°	334.0	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°	25536.0	100.0
0°-180°	25536.0	100.0

Coefficient of Utilization



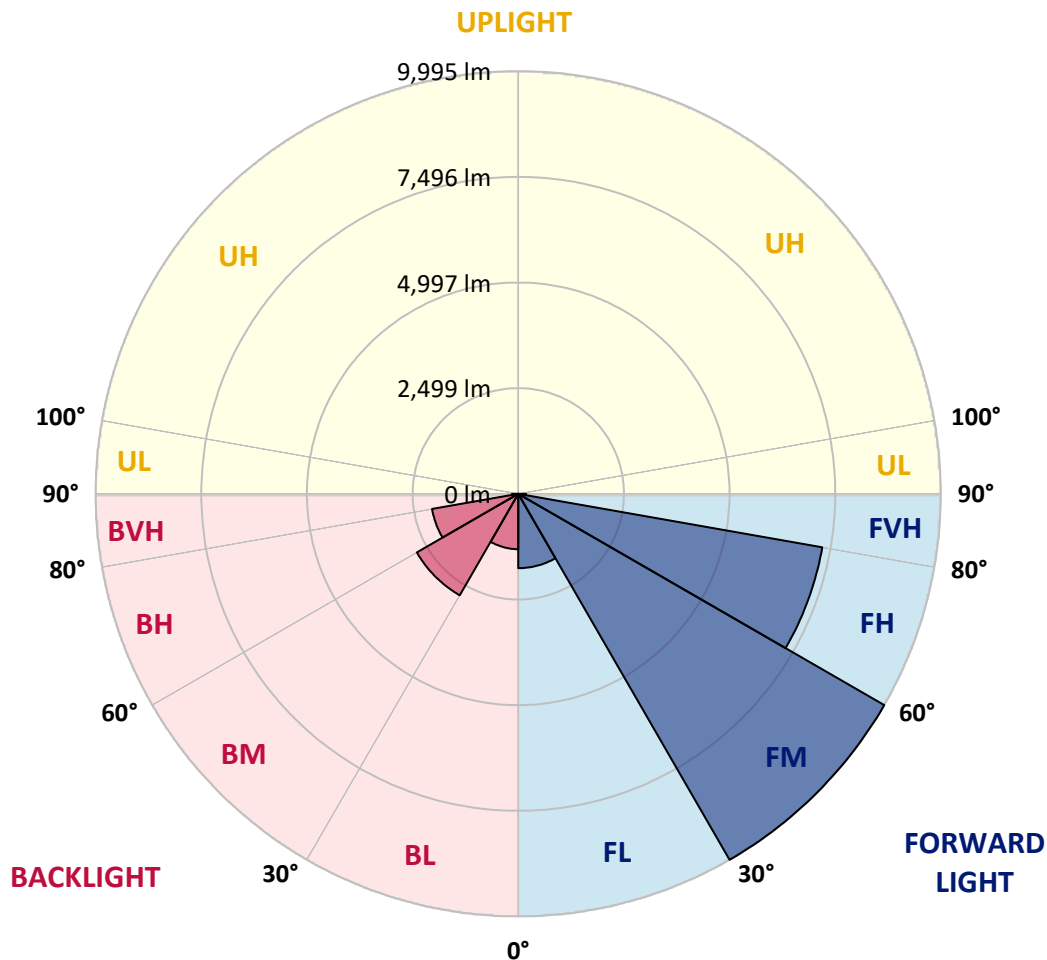
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1758.4	6.9			
FM (30°-60°)	9994.5	39.1			
FH (60°-80°)	7300.8	28.6			G3/7500
FVH (80°-90°)	187.0	0.7			G2/225
BL (0°-30°)	1309.6	5.1	B3/2500		
BM (30°-60°)	2769.7	10.8	B3/5000		
BH (60°-80°)	2068.9	8.1	B3/2500		G3/2500
BVH (80°-90°)	147.0	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°	3743.9	3743.9	3743.9	3743.9	3743.9	3743.9	3743.9	3743.9	3743.9	3743.9
2.5°	3833.3	3855.0	3848.2	3841.5	3841.5	3832.0	3830.6	3817.1	3806.2	3788.6
5°	3882.1	3905.1	3902.4	3907.9	3925.5	3929.5	3933.6	3925.5	3903.8	3882.1
7.5°	3838.7	3864.5	3872.6	3905.1	3959.3	4008.1	4044.7	4059.6	4039.3	4008.1
10°	3692.4	3720.9	3749.3	3826.6	3922.8	4037.9	4135.5	4193.8	4189.7	4159.9
12.5°	3395.7	3425.5	3486.4	3636.9	3813.0	4016.3	4197.8	4319.8	4361.8	4340.1
15°	3158.5	3184.3	3230.3	3384.8	3613.8	3922.8	4220.9	4458.0	4565.0	4552.8
17.5°	3151.8	3162.6	3191.1	3264.2	3440.4	3776.4	4196.5	4593.5	4798.1	4796.7
20°	3271.0	3275.1	3291.3	3306.2	3406.5	3665.3	4134.1	4706.0	5059.6	5059.6
22.5°	3436.3	3433.6	3449.9	3436.3	3485.1	3655.8	4094.8	4804.9	5350.9	5372.6
25°	3684.3	3670.7	3666.7	3635.5	3645.0	3743.9	4138.2	4917.3	5696.5	5741.2
27.5°	4014.9	3993.2	3978.3	3906.5	3882.1	3925.5	4271.0	5052.8	6081.3	6158.5
30°	4445.8	4406.5	4384.8	4260.2	4172.1	4178.9	4471.5	5233.1	6483.7	6608.4
32.5°	5033.9	4972.9	4914.6	4710.0	4548.8	4495.9	4730.3	5482.4	6920.0	7119.2
35°	5692.4	5643.6	5581.3	5265.6	5017.6	4895.7	5079.9	5830.6	7430.9	7746.6
37.5°	6326.5	6284.5	6314.4	5888.9	5569.1	5391.6	5537.9	6298.1	8061.0	8527.1
40°	6982.4	6949.9	6953.9	6547.4	6174.8	5975.6	6093.5	6884.8	8783.2	9455.3
42.5°	7695.1	7670.7	7589.4	7229.0	6810.3	6624.7	6733.1	7562.3	9558.3	10512.2
45°	8493.2	8478.3	8402.4	7989.1	7509.5	7300.8	7447.1	8310.3	10337.4	11506.8
47.5°	9182.9	9195.1	9185.6	8837.4	8340.1	8033.9	8208.7	9090.8	11062.3	12441.7
50°	9514.9	9578.6	9672.1	9563.7	9254.7	8943.1	8977.0	9844.2	11753.4	13318.4
52.5°	9341.4	9462.0	9716.8	9890.2	10009.5	9944.4	9853.6	10592.1	12403.8	14109.7
55°	8695.1	8864.5	9287.2	9705.9	10314.3	10787.2	10906.5	11421.4	13037.9	14806.2
57.5°	7517.6	7792.7	8172.1	9019.0	10043.3	11195.1	12134.1	12571.8	13710.0	15550.1
60°	5498.6	5867.2	6338.7	7598.9	9094.8	10976.9	13178.8	14338.7	14665.3	16513.5
62.5°	3519.0	3746.6	4180.2	5367.2	7086.7	9859.1	13498.6	16547.4	16284.5	18093.5
65°	2409.2	2555.6	2952.6	3619.2	4581.3	7338.7	12642.3	18203.2	18856.3	20597.5
67.5°	1750.7	1861.8	2200.5	2784.5	2985.1	4342.8	9810.3	18127.3	21356.3	23177.5
70°	1276.4	1355.0	1639.6	2200.5	2296.7	2416.0	5943.1	15409.2	21302.1	23863.1
72.5°	945.8	1000.0	1191.1	1707.3	1859.1	1631.4	2941.7	11199.2	18304.9	21584.0
75°	684.3	724.9	865.9	1306.2	1487.8	1242.5	1467.5	6544.7	12768.3	15182.9
77.5°	523.0	554.2	646.3	956.6	1191.1	932.2	910.6	3010.8	6054.2	6084.0
80°	420.1	440.4	490.5	673.4	913.3	697.8	593.5	1215.4	1913.3	1619.2
82.5°	308.9	342.8	414.6	472.9	653.1	481.0	361.8	613.8	727.6	626.0
85°	176.2	199.2	250.7	338.8	417.3	294.0	207.3	272.4	338.8	277.8
87.5°	62.3	81.3	88.1	132.8	181.6	122.0	79.9	78.6	111.1	82.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848186
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3743.9	0°	3743.9	3743.9	3743.9	3743.9	3743.9	3743.9	3743.9	3743.9	3743.9	3743.9
3784.5	2.5°	3771.0	3764.2	3737.1	3700.5	3662.6	3626.0	3613.8	3588.1	3570.5	3561.0
3872.6	5°	3846.9	3825.2	3761.5	3680.2	3594.8	3502.7	3437.7	3378.0	3334.7	3294.0
3993.2	7.5°	3955.3	3917.3	3807.6	3665.3	3513.5	3360.4	3246.6	3159.9	3101.6	3063.7
4134.1	10°	4081.3	4023.0	3855.0	3642.3	3407.9	3188.3	3054.2	2979.7	2943.1	2922.8
4295.4	12.5°	4226.3	4143.6	3903.8	3589.4	3246.6	2995.9	2903.8	2882.1	2883.5	2884.8
4498.6	15°	4405.1	4290.0	3943.1	3474.2	3036.6	2848.2	2832.0	2867.2	2903.8	2921.4
4729.0	17.5°	4607.0	4444.4	3949.9	3284.5	2830.6	2753.4	2804.9	2880.8	2936.3	2960.7
4986.4	20°	4823.8	4601.6	3901.1	3016.3	2661.2	2676.1	2768.3	2865.8	2926.8	2958.0
5280.5	22.5°	5071.8	4769.6	3784.5	2734.4	2523.0	2592.1	2700.5	2795.4	2859.1	2890.2
5626.0	25°	5355.0	4958.0	3601.6	2497.3	2403.8	2497.3	2605.7	2684.3	2735.8	2764.2
6012.2	27.5°	5669.4	5154.5	3357.7	2308.9	2299.5	2399.7	2489.2	2550.1	2577.2	2598.9
6422.8	30°	5985.1	5333.3	3062.3	2166.7	2208.7	2303.5	2367.2	2394.3	2402.4	2406.5
6880.7	32.5°	6326.5	5487.8	2752.0	2048.8	2121.9	2210.0	2248.0	2260.2	2222.2	2196.5
7436.3	35°	6739.8	5653.1	2448.5	1955.3	2036.6	2112.5	2124.7	2113.8	2069.1	2016.3
8132.8	37.5°	7250.7	5859.1	2206.0	1888.9	1956.6	2006.8	1991.9	1989.2	1993.2	1930.9
8970.2	40°	7876.7	6127.4	2028.5	1837.4	1891.6	1902.4	1860.4	1883.5	1903.8	1808.9
9888.9	42.5°	8571.8	6451.2	1916.0	1802.2	1837.4	1811.7	1746.6	1772.4	1769.6	1645.0
10811.6	45°	9280.5	6803.5	1876.7	1776.4	1787.3	1735.8	1664.0	1670.7	1613.8	1501.4
11696.5	47.5°	9985.1	7181.6	1901.1	1754.7	1724.9	1666.7	1611.1	1581.3	1497.3	1413.3
12544.7	50°	10676.1	7578.6	1990.5	1711.4	1639.6	1605.7	1565.0	1512.2	1422.8	1350.9
13346.9	52.5°	11317.1	7978.3	2090.8	1639.6	1532.5	1552.8	1527.1	1466.1	1378.0	1304.9
14105.7	55°	11924.1	8378.0	2130.1	1540.6	1432.2	1506.8	1491.9	1379.4	1273.7	1214.1
14899.7	57.5°	12585.3	8859.1	2086.7	1414.6	1350.9	1453.9	1397.0	1272.4	1211.4	1166.7
15933.6	60°	13501.3	9613.8	1993.2	1258.8	1273.7	1375.3	1277.8	1226.3	1159.9	1109.8
17483.7	62.5°	15023.0	11021.7	1842.8	1104.3	1182.9	1258.8	1220.9	1169.4	1101.6	1052.8
20134.1	65°	17272.3	12978.3	1559.6	983.7	1081.3	1145.0	1159.9	1108.4	1037.9	986.4
22456.6	67.5°	19169.3	14205.9	1180.2	883.5	977.0	1052.8	1094.8	1044.7	970.2	920.1
23000.0	70°	19065.0	13314.3	901.1	784.6	884.8	962.1	1016.3	977.0	897.0	849.6
20891.6	72.5°	16933.6	11138.2	729.0	684.3	791.3	867.2	932.2	902.4	821.1	775.1
15304.9	75°	12440.4	7906.5	582.7	582.7	674.8	768.3	840.1	821.1	746.6	714.1
6425.5	77.5°	5243.9	3317.1	456.6	483.7	561.0	659.9	749.3	756.1	691.1	731.7
1699.2	80°	1394.3	914.6	348.2	380.8	440.4	544.7	651.8	649.1	578.6	540.6
631.4	82.5°	531.2	360.4	248.0	268.3	318.4	417.3	516.3	532.5	462.1	399.7
248.0	85°	204.6	154.5	153.1	161.2	185.6	276.4	390.2	403.8	348.2	295.4
69.1	87.5°	52.8	46.1	56.9	54.2	85.4	147.7	223.6	231.7	212.7	123.3
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°
3743.9
3571.8
3310.3
3071.8
2928.2
2887.5
2920.0
2966.1
2966.1
2898.4
2772.4
2607.0
2416.0
2204.6
2019.0
1935.0
1811.7
1643.6
1505.4
1413.3
1345.5
1306.2
1208.7
1162.6
1107.0
1052.8
989.2
921.4
853.7
775.1
704.6
664.0
502.7
399.7
304.9
176.2
0.0

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