

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: P848696

Luminaire Tested: **GLAN-SB5B-850-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848696  
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-SB5B-850-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24200 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

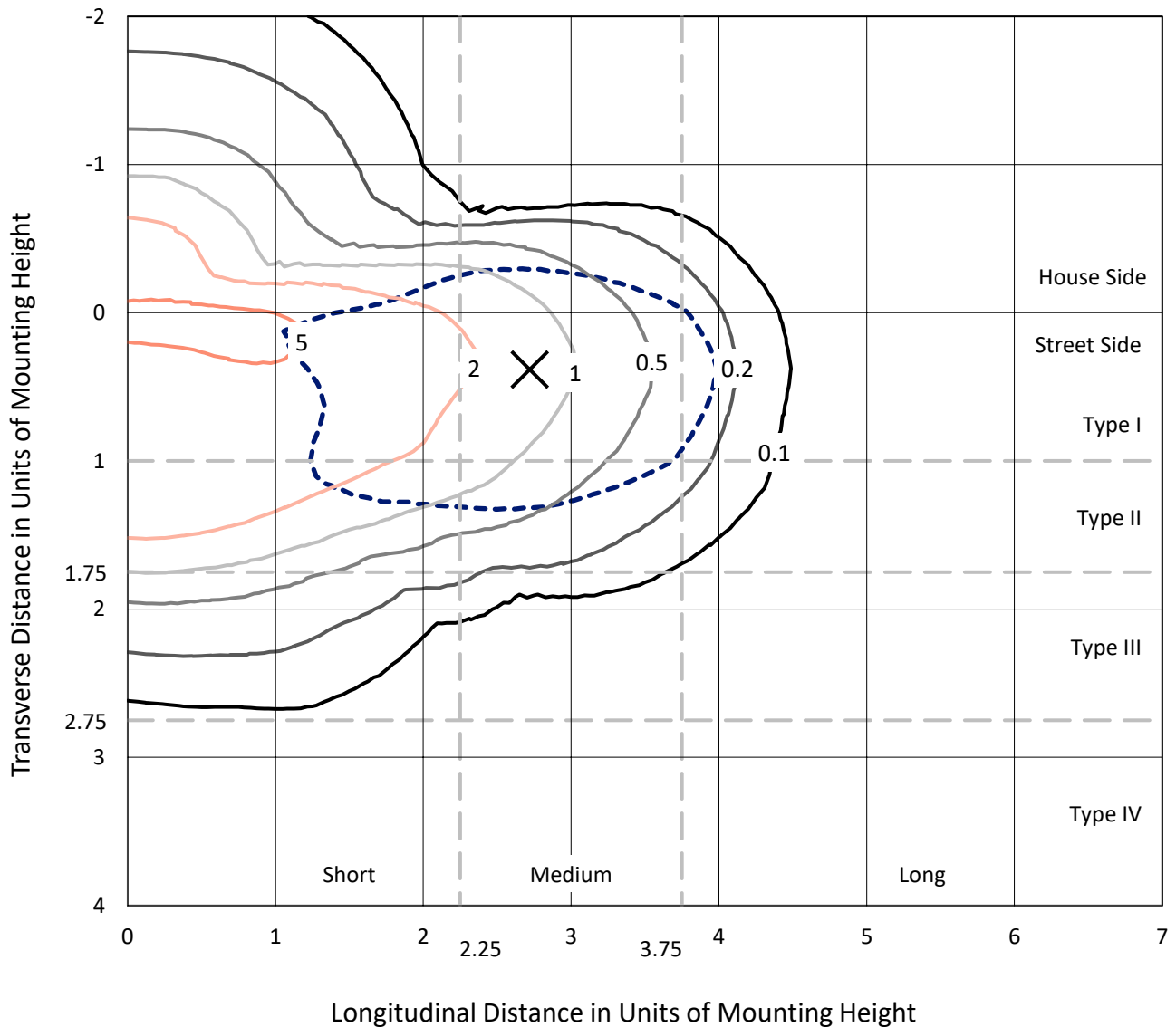
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

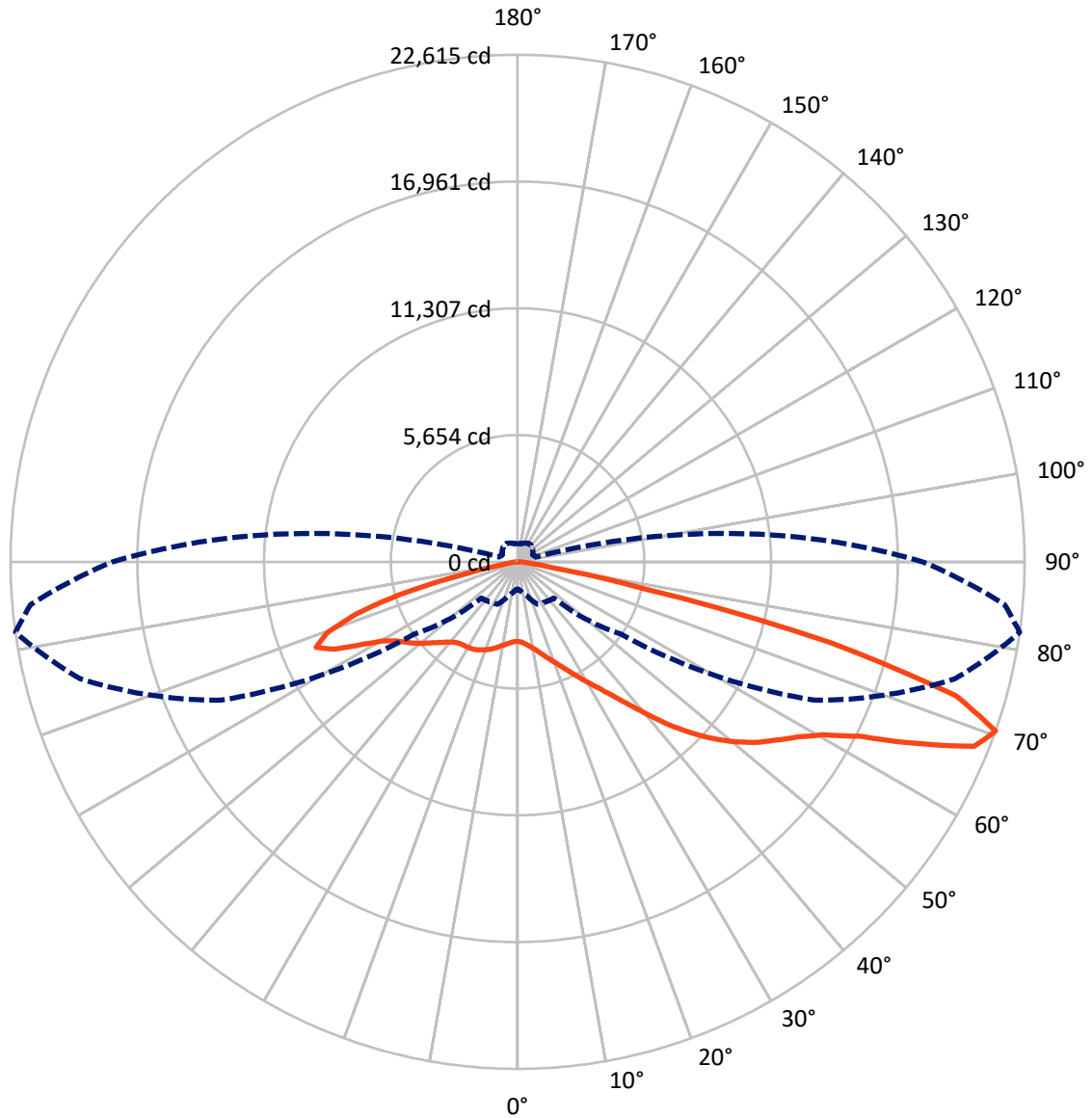
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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
<b>House Side</b>	Lumens	5965.9	0.0	5965.9
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	18234.1	0.0	18234.1
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	24200.0	0.0	24200.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.0	1.4
10°-20°	962.5	4.0
20°-30°	1610.1	6.7
30°-40°	2515.4	10.4
40°-50°	4006.1	16.6
50°-60°	5574.9	23.0
60°-70°	5831.6	24.1
70°-80°	3047.9	12.6
80°-90°	316.5	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°	24200.0	100.0
0°-180°	24200.0	100.0

**Coefficient of Utilization**



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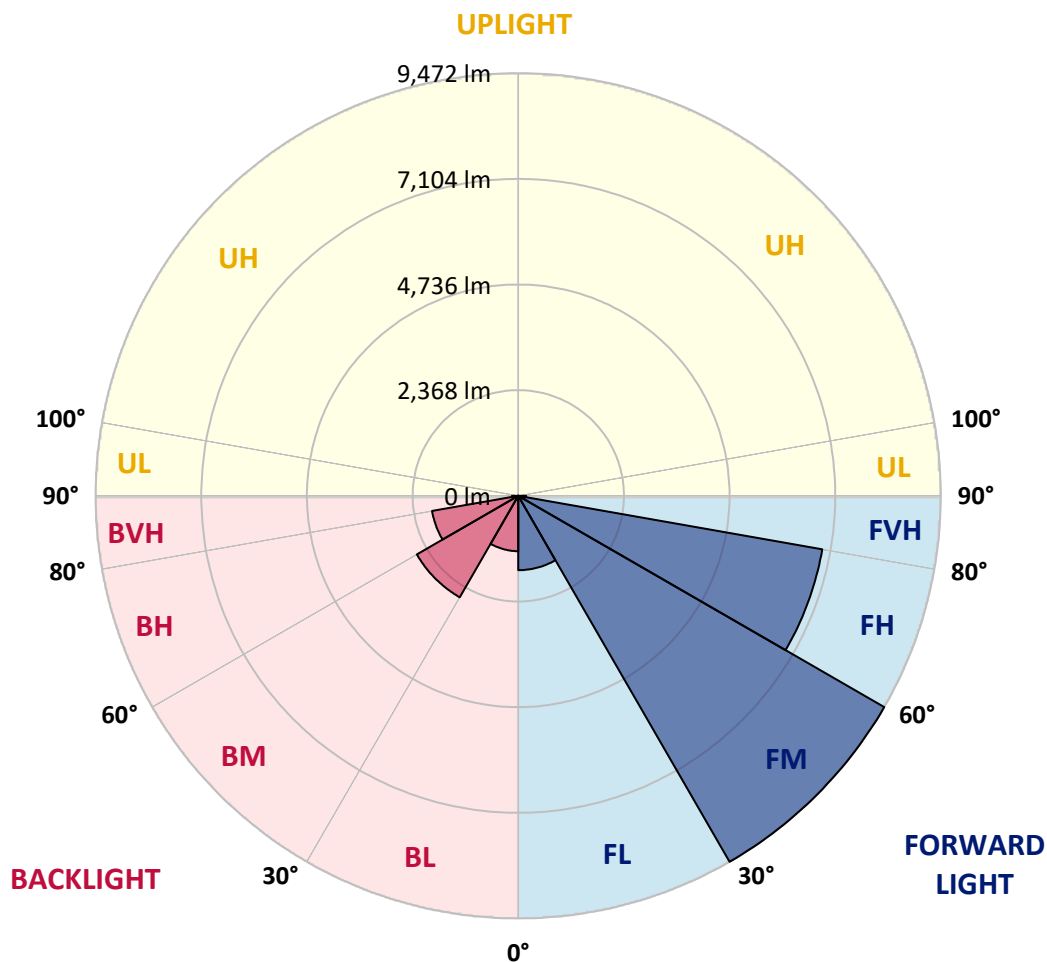
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1666.4	6.9			
FM (30°-60°)	9471.6	39.1			
FH (60°-80°)	6918.9	28.6			G3/7500
FVH (80°-90°)	177.2	0.7			G2/225
BL (0°-30°)	1241.1	5.1	B3/2500		
BM (30°-60°)	2624.8	10.8	B3/5000		
BH (60°-80°)	1960.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	139.3	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°	3548.0	3548.0	3548.0	3548.0	3548.0	3548.0	3548.0	3548.0	3548.0	3548.0
2.5°	3632.8	3653.3	3646.9	3640.5	3640.5	3631.5	3630.2	3617.4	3607.1	3590.4
5°	3679.0	3700.8	3698.3	3703.4	3720.1	3723.9	3727.8	3720.1	3699.5	3679.0
7.5°	3637.9	3662.3	3670.0	3700.8	3752.2	3798.4	3833.1	3847.2	3828.0	3798.4
10°	3499.2	3526.2	3553.2	3626.4	3717.5	3826.7	3919.1	3974.4	3970.5	3942.2
12.5°	3218.0	3246.3	3304.0	3446.6	3613.5	3806.1	3978.2	4093.8	4133.6	4113.0
15°	2993.3	3017.7	3061.3	3207.7	3424.7	3717.5	4000.0	4224.8	4326.2	4314.6
17.5°	2986.9	2997.1	3024.1	3093.4	3260.4	3578.8	3976.9	4353.2	4547.1	4545.8
20°	3099.9	3103.7	3119.1	3133.3	3228.3	3473.5	3917.8	4459.7	4794.9	4794.9
22.5°	3256.5	3254.0	3269.4	3256.5	3302.8	3464.6	3880.6	4553.5	5071.0	5091.5
25°	3491.5	3478.7	3474.8	3445.3	3454.3	3548.0	3921.7	4660.1	5398.4	5440.8
27.5°	3804.8	3784.3	3770.2	3702.1	3679.0	3720.1	4047.5	4788.5	5763.1	5836.3
30°	4213.2	4176.0	4155.4	4037.3	3953.8	3960.2	4237.6	4959.3	6144.5	6262.7
32.5°	4770.5	4712.7	4657.5	4463.6	4310.8	4260.7	4482.9	5195.5	6558.0	6746.8
35°	5394.6	5348.4	5289.3	4990.1	4755.1	4639.5	4814.2	5525.6	7042.1	7341.3
37.5°	5995.6	5955.7	5984.0	5580.8	5277.7	5109.5	5248.2	5968.6	7639.2	8081.0
40°	6617.1	6586.2	6590.1	6204.9	5851.7	5663.0	5774.7	6524.6	8323.7	8960.6
42.5°	7292.5	7269.4	7192.4	6850.8	6454.0	6278.1	6380.8	7166.7	9058.2	9962.2
45°	8048.9	8034.7	7962.8	7571.2	7116.6	6918.8	7057.5	7875.5	9796.5	10904.7
47.5°	8702.5	8714.0	8705.0	8375.0	7903.8	7613.5	7779.2	8615.2	10483.6	11790.8
50°	9017.1	9077.4	9166.0	9063.3	8770.5	8475.2	8507.3	9329.1	11138.5	12621.6
52.5°	8852.7	8967.0	9208.4	9372.8	9485.8	9424.2	9338.1	10038.0	11754.8	13371.5
55°	8240.2	8400.7	8801.4	9198.1	9774.7	10222.9	10335.9	10823.8	12355.8	14031.6
57.5°	7124.3	7385.0	7744.5	8547.1	9517.9	10609.4	11499.3	11914.1	12992.7	14736.6
60°	5211.0	5560.2	6007.1	7201.3	8619.0	10402.7	12489.3	13588.6	13898.0	15649.6
62.5°	3334.9	3550.6	3961.5	5086.4	6715.9	9343.3	12792.4	15681.7	15432.6	17146.8
65°	2283.2	2421.8	2798.1	3429.9	4341.6	6954.8	11980.8	17250.9	17869.8	19519.9
67.5°	1659.1	1764.4	2085.4	2638.9	2828.9	4115.6	9297.0	17179.0	20239.0	21964.9
70°	1209.6	1284.1	1553.8	2085.4	2176.6	2289.6	5632.1	14603.0	20187.6	22614.6
72.5°	896.3	947.7	1128.7	1618.0	1761.8	1546.1	2787.8	10613.2	17347.2	20454.7
75°	648.5	687.0	820.6	1237.9	1410.0	1177.5	1390.7	6202.3	12100.3	14388.6
77.5°	495.7	525.2	612.5	906.6	1128.7	883.5	862.9	2853.3	5737.4	5765.7
80°	398.1	417.3	464.9	638.2	865.5	661.3	562.4	1151.9	1813.2	1534.5
82.5°	292.8	324.9	392.9	448.2	618.9	455.9	342.9	581.7	689.6	593.3
85°	166.9	188.8	237.6	321.0	395.5	278.7	196.5	258.1	321.0	263.2
87.5°	59.1	77.0	83.5	125.8	172.1	115.6	75.8	74.5	105.3	78.3
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°
3548.0	0°	3548.0	3548.0	3548.0	3548.0	3548.0	3548.0	3548.0	3548.0	3548.0	3548.0
3586.5	2.5°	3573.7	3567.3	3541.6	3506.9	3471.0	3436.3	3424.7	3400.3	3383.7	3374.7
3670.0	5°	3645.6	3625.1	3564.7	3487.7	3406.8	3319.4	3257.8	3201.3	3160.2	3121.7
3784.3	7.5°	3748.3	3712.4	3608.4	3473.5	3329.7	3184.6	3076.8	2994.6	2939.3	2903.4
3917.8	10°	3867.8	3812.6	3653.3	3451.7	3229.6	3021.5	2894.4	2823.8	2789.1	2769.8
4070.7	12.5°	4005.2	3926.8	3699.5	3401.6	3076.8	2839.2	2751.9	2731.3	2732.6	2733.9
4263.3	15°	4174.7	4065.5	3736.8	3292.5	2877.7	2699.2	2683.8	2717.2	2751.9	2768.6
4481.6	17.5°	4366.0	4211.9	3743.2	3112.7	2682.5	2609.3	2658.1	2730.0	2782.7	2805.8
4725.6	20°	4571.5	4360.9	3697.0	2858.5	2522.0	2536.1	2623.5	2715.9	2773.7	2803.2
5004.2	22.5°	4806.5	4520.1	3586.5	2591.4	2391.0	2456.5	2559.3	2649.1	2709.5	2739.0
5331.7	25°	5074.8	4698.6	3413.2	2366.6	2278.0	2366.6	2469.4	2543.8	2592.6	2619.6
5697.6	27.5°	5372.8	4884.8	3182.0	2188.1	2179.2	2274.2	2358.9	2416.7	2442.4	2462.9
6086.7	30°	5672.0	5054.3	2902.1	2053.3	2093.1	2183.0	2243.4	2269.0	2276.7	2280.6
6520.8	32.5°	5995.6	5200.7	2608.0	1941.6	2010.9	2094.4	2130.4	2141.9	2106.0	2081.6
7047.2	35°	6387.2	5357.3	2320.4	1853.0	1930.0	2001.9	2013.5	2003.2	1960.9	1910.8
7707.3	37.5°	6871.3	5552.5	2090.5	1790.1	1854.3	1901.8	1887.7	1885.1	1888.9	1829.9
8500.9	40°	7464.6	5806.8	1922.3	1741.3	1792.6	1802.9	1763.1	1784.9	1804.2	1714.3
9371.5	42.5°	8123.3	6113.7	1815.7	1707.9	1741.3	1716.9	1655.2	1679.6	1677.1	1558.9
10246.0	45°	8794.9	6447.6	1778.5	1683.5	1693.8	1645.0	1576.9	1583.3	1529.4	1422.8
11084.5	47.5°	9462.7	6805.8	1801.6	1662.9	1634.7	1579.5	1526.8	1498.6	1419.0	1339.3
11888.4	50°	10117.6	7182.1	1886.4	1621.8	1553.8	1521.7	1483.2	1433.1	1348.3	1280.3
12648.6	52.5°	10725.0	7560.9	1981.4	1553.8	1452.3	1471.6	1447.2	1389.4	1305.9	1236.6
13367.7	55°	11300.3	7939.7	2018.6	1460.0	1357.3	1427.9	1413.8	1307.2	1207.1	1150.6
14120.2	57.5°	11926.9	8395.6	1977.5	1340.6	1280.3	1377.9	1323.9	1205.8	1148.0	1105.6
15100.0	60°	12795.0	9110.8	1888.9	1192.9	1207.1	1303.4	1210.9	1162.1	1099.2	1051.7
16569.0	62.5°	14237.0	10445.0	1746.4	1046.6	1121.0	1192.9	1157.0	1108.2	1044.0	997.8
19080.7	65°	16368.7	12299.3	1478.0	932.3	1024.7	1085.1	1099.2	1050.4	983.6	934.8
21281.7	67.5°	18166.4	13462.7	1118.5	837.2	925.9	997.8	1037.6	990.1	919.4	871.9
21796.6	70°	18067.6	12617.8	853.9	743.5	838.5	911.7	963.1	925.9	850.1	805.1
19798.6	72.5°	16047.6	10555.5	690.9	648.5	749.9	821.8	883.5	855.2	778.2	734.5
14504.1	75°	11789.5	7492.8	552.2	552.2	639.5	728.1	796.2	778.2	707.5	676.7
6089.3	77.5°	4969.5	3143.5	432.7	458.4	531.6	625.4	710.1	716.5	654.9	693.4
1610.3	80°	1321.4	866.8	330.0	360.8	417.3	516.2	617.7	615.1	548.3	512.4
598.4	82.5°	503.4	341.6	235.0	254.3	301.8	395.5	489.2	504.7	437.9	378.8
235.0	85°	193.9	146.4	145.1	152.8	175.9	262.0	369.8	382.7	330.0	279.9
65.5	87.5°	50.1	43.7	53.9	51.4	80.9	140.0	211.9	219.6	201.6	116.9
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°
3548.0
3384.9
3137.1
2911.1
2775.0
2736.5
2767.3
2810.9
2810.9
2746.7
2627.3
2470.6
2289.6
2089.3
1913.3
1833.7
1716.9
1557.6
1426.7
1339.3
1275.1
1237.9
1145.4
1101.8
1049.1
997.8
937.4
873.2
809.0
734.5
667.7
629.2
476.4
378.8
288.9
166.9
0.0

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