

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: P850246

Luminaire Tested: **GLAN-SB7C-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850246
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-SB7C-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35603 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

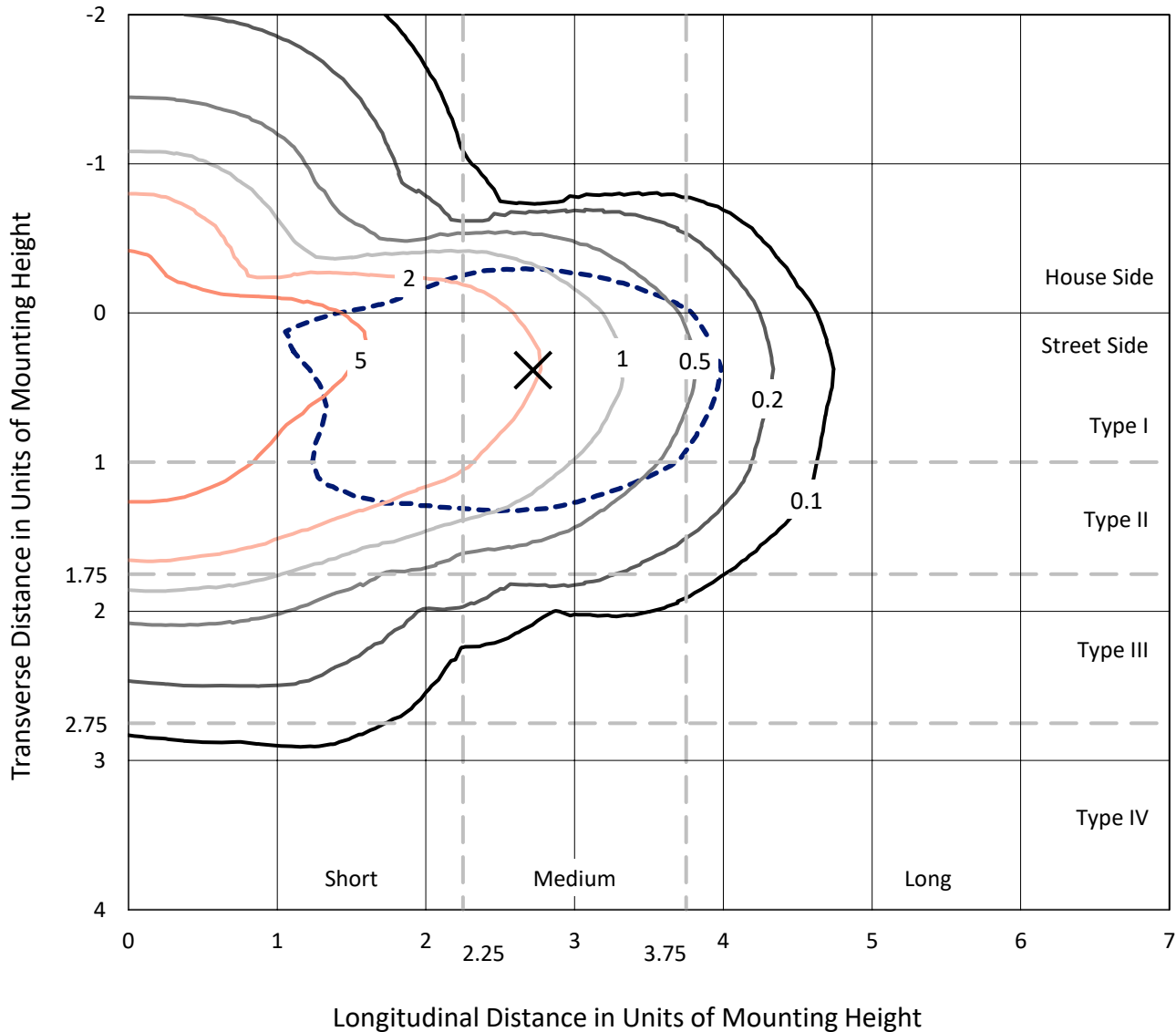
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

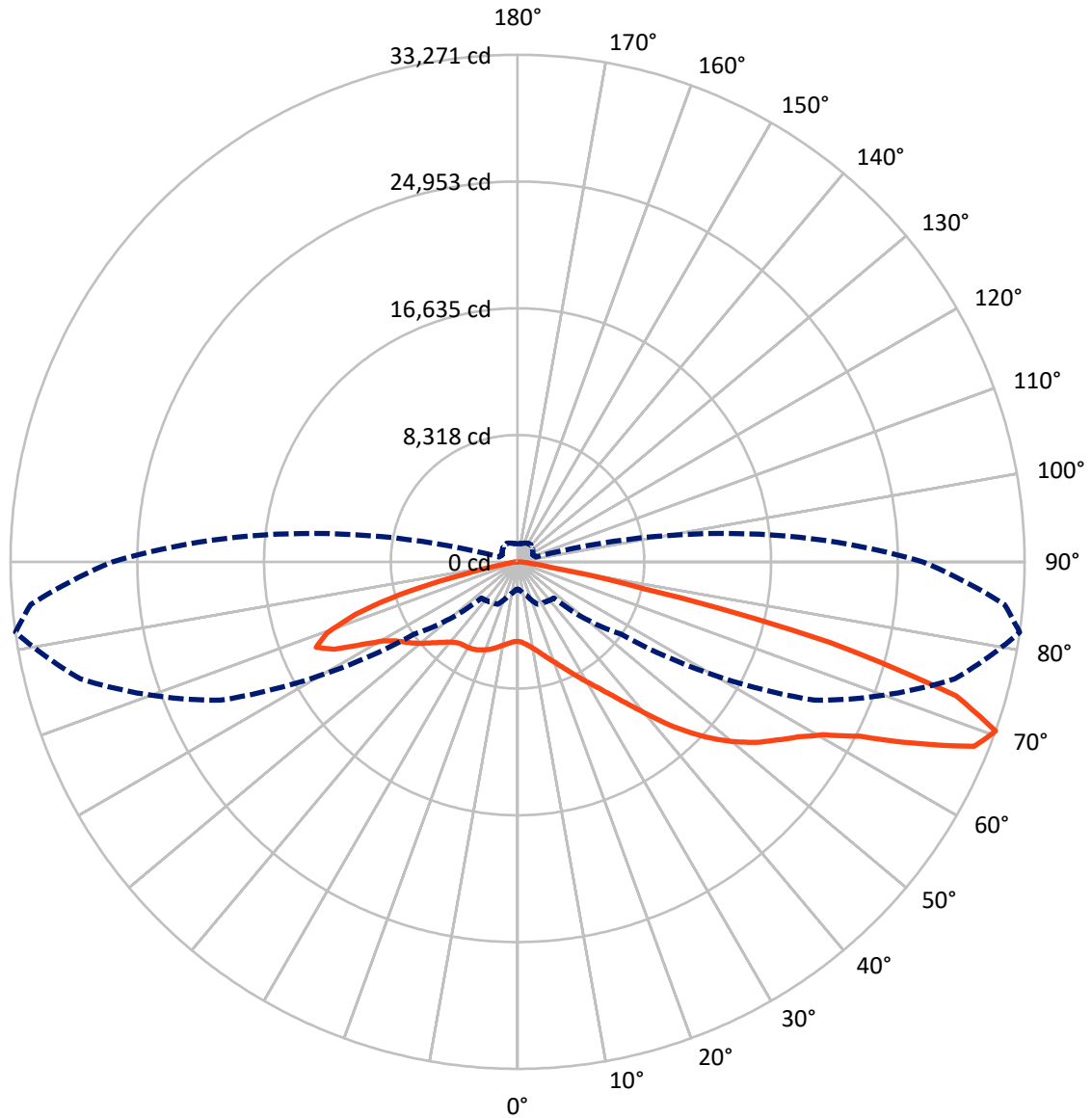
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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	8777.0	0.0	8777.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	26826.0	0.0	26826.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	35603.0	0.0	35603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.8	1.4
10°-20°	1416.0	4.0
20°-30°	2368.8	6.7
30°-40°	3700.7	10.4
40°-50°	5893.7	16.6
50°-60°	8201.8	23.0
60°-70°	8579.5	24.1
70°-80°	4484.1	12.6
80°-90°	465.6	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°	35603.0	100.0
0°-180°	35603.0	100.0

Coefficient of Utilization



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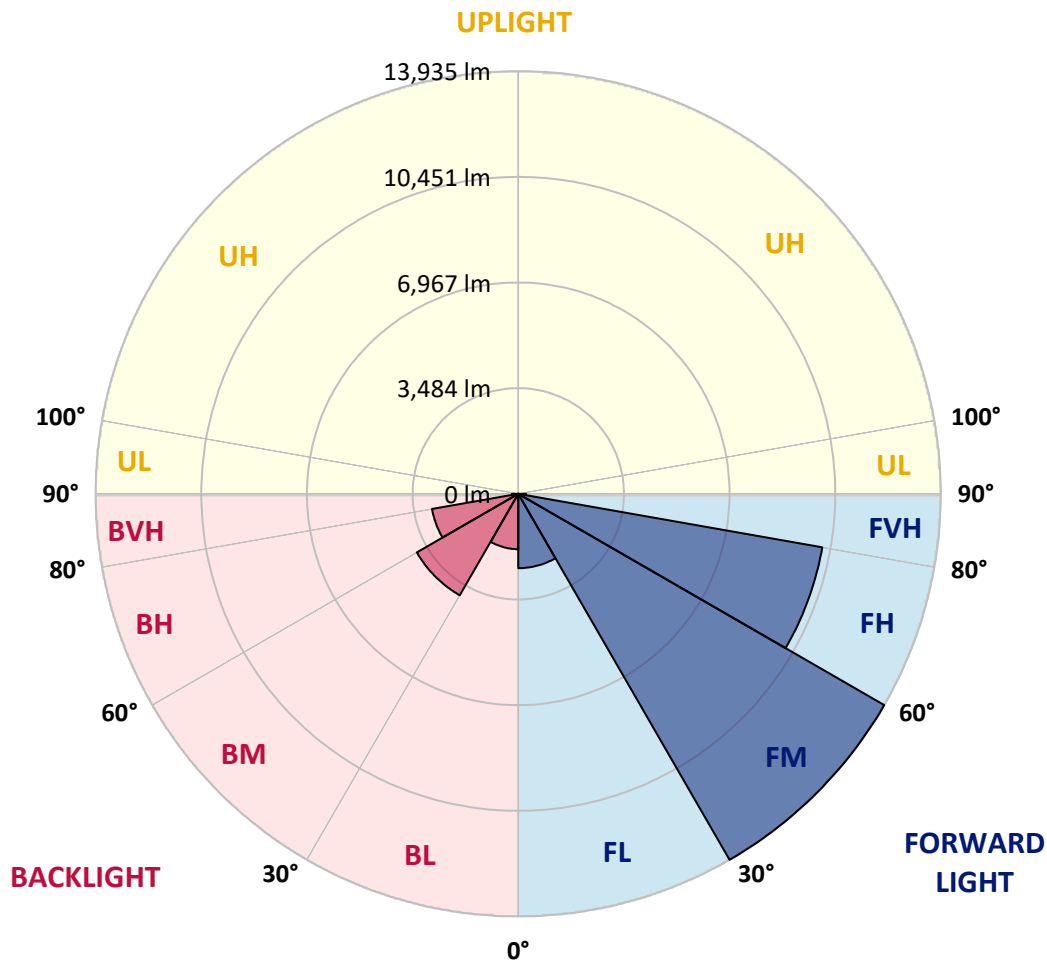
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2451.7	6.9			
FM (30°-60°)	13934.7	39.1			
FH (60°-80°)	10179.0	28.6			G4/12000
FVH (80°-90°)	260.7	0.7			G3/500
BL (0°-30°)	1825.9	5.1	B3/2500		
BM (30°-60°)	3861.5	10.8	B3/5000		
BH (60°-80°)	2884.6	8.1	B4/5000		G4/5000
BVH (80°-90°)	205.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5219.8	5219.8	5219.8	5219.8	5219.8	5219.8	5219.8	5219.8	5219.8	5219.8
2.5°	5344.5	5374.8	5365.3	5355.9	5355.9	5342.6	5340.8	5321.9	5306.7	5282.2
5°	5412.5	5444.7	5440.9	5448.4	5473.0	5478.7	5484.3	5473.0	5442.8	5412.5
7.5°	5352.1	5388.0	5399.3	5444.7	5520.2	5588.2	5639.2	5660.0	5631.7	5588.2
10°	5148.1	5187.7	5227.4	5335.1	5469.2	5629.8	5765.8	5847.1	5841.4	5799.8
12.5°	4734.3	4775.9	4860.9	5070.6	5316.2	5599.6	5852.7	6022.8	6081.3	6051.1
15°	4403.7	4439.6	4503.8	4719.2	5038.5	5469.2	5884.8	6215.5	6364.7	6347.7
17.5°	4394.3	4409.4	4449.1	4551.1	4796.7	5265.2	5850.8	6404.4	6689.6	6687.7
20°	4560.5	4566.2	4588.9	4609.6	4749.4	5110.3	5763.9	6561.2	7054.3	7054.3
22.5°	4791.0	4787.2	4809.9	4791.0	4859.0	5097.0	5709.1	6699.1	7460.4	7490.7
25°	5136.7	5117.8	5112.2	5068.7	5081.9	5219.8	5769.6	6855.9	7942.2	8004.5
27.5°	5597.7	5567.5	5546.7	5446.5	5412.5	5473.0	5954.7	7044.8	8478.7	8586.4
30°	6198.4	6143.7	6113.4	5939.6	5816.8	5826.3	6234.3	7296.1	9039.8	9213.6
32.5°	7018.4	6933.3	6852.1	6566.8	6342.0	6268.3	6595.2	7643.7	9648.1	9925.8
35°	7936.5	7868.5	7781.6	7341.4	6995.7	6825.7	7082.6	8129.2	10360.3	10800.5
37.5°	8820.7	8762.1	8803.6	8210.4	7764.6	7517.1	7721.1	8781.0	11238.8	11888.7
40°	9735.0	9689.7	9695.3	9128.6	8609.1	8331.3	8495.7	9599.0	12245.8	13182.8
42.5°	10728.7	10694.7	10581.4	10078.9	9495.1	9236.3	9387.4	10543.6	13326.4	14656.4
45°	11841.5	11820.7	11714.9	11138.7	10469.9	10179.0	10383.0	11586.4	14412.7	16043.0
47.5°	12803.1	12820.1	12806.9	12321.3	11628.0	11201.0	11444.7	12674.6	15423.4	17346.6
50°	13265.9	13354.7	13485.1	13333.9	12903.2	12468.7	12515.9	13725.0	16386.9	18568.9
52.5°	13024.1	13192.2	13547.4	13789.2	13955.5	13864.8	13738.2	14767.8	17293.7	19672.2
55°	12123.0	12359.1	12948.5	13532.3	14380.6	15039.9	15206.1	15924.0	18177.8	20643.2
57.5°	10481.3	10864.8	11393.7	12574.5	14002.7	15608.5	16917.7	17527.9	19114.9	21680.4
60°	7666.4	8180.2	8837.7	10594.6	12680.3	15304.4	18374.3	19991.5	20446.8	23023.6
62.5°	4906.2	5223.6	5828.2	7483.1	9880.5	13745.8	18820.2	23070.8	22704.3	25226.4
65°	3359.0	3563.0	4116.6	5046.0	6387.4	10231.9	17626.2	25379.4	26290.0	28717.6
67.5°	2440.8	2595.8	3068.1	3882.3	4161.9	6054.9	13677.8	25273.6	29775.6	32314.7
70°	1779.6	1889.2	2285.9	3068.1	3202.2	3368.4	8286.0	21483.9	29700.0	33270.6
72.5°	1318.7	1394.2	1660.6	2380.4	2592.0	2274.6	4101.4	15614.2	25521.1	30093.0
75°	954.0	1010.7	1207.2	1821.2	2074.3	1732.4	2046.0	9124.8	17801.9	21168.4
77.5°	729.2	772.7	901.1	1333.8	1660.6	1299.8	1269.5	4197.8	8440.9	8482.5
80°	585.7	614.0	683.9	938.9	1273.3	972.9	827.5	1694.6	2667.5	2257.6
82.5°	430.7	478.0	578.1	659.3	910.6	670.7	504.4	855.8	1014.5	872.8
85°	245.6	277.7	349.5	472.3	581.9	410.0	289.0	379.7	472.3	387.3
87.5°	86.9	113.4	122.8	185.1	253.2	170.0	111.5	109.6	154.9	115.2
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°
5219.8	0°	5219.8	5219.8	5219.8	5219.8	5219.8	5219.8	5219.8	5219.8	5219.8	5219.8
5276.5	2.5°	5257.6	5248.2	5210.4	5159.4	5106.5	5055.5	5038.5	5002.6	4978.0	4964.8
5399.3	5°	5363.4	5333.2	5244.4	5131.1	5012.0	4883.6	4792.9	4709.8	4649.3	4592.6
5567.5	7.5°	5514.6	5461.7	5308.6	5110.3	4898.7	4685.2	4526.5	4405.6	4324.4	4271.5
5763.9	10°	5690.3	5609.0	5374.8	5078.2	4751.3	4445.3	4258.2	4154.3	4103.3	4075.0
5988.7	12.5°	5892.4	5777.2	5442.8	5004.5	4526.5	4177.0	4048.5	4018.3	4020.2	4022.1
6272.1	15°	6141.8	5981.2	5497.6	4843.9	4233.7	3971.1	3948.4	3997.5	4048.5	4073.1
6593.3	17.5°	6423.3	6196.6	5507.0	4579.4	3946.5	3838.8	3910.6	4016.4	4093.9	4127.9
6952.2	20°	6725.5	6415.7	5439.0	4205.3	3710.4	3731.2	3859.6	3995.6	4080.7	4124.1
7362.2	22.5°	7071.3	6650.0	5276.5	3812.4	3517.7	3614.0	3765.2	3897.4	3986.2	4029.7
7843.9	25°	7466.1	6912.6	5021.5	3481.8	3351.4	3481.8	3632.9	3742.5	3814.3	3854.0
8382.4	27.5°	7904.4	7186.5	4681.4	3219.2	3206.0	3345.8	3470.5	3555.5	3593.2	3623.5
8954.8	30°	8344.6	7435.9	4269.6	3020.8	3079.4	3211.6	3300.4	3338.2	3349.5	3355.2
9593.3	32.5°	8820.7	7651.2	3837.0	2856.5	2958.5	3081.3	3134.2	3151.2	3098.3	3062.4
10367.9	35°	9396.9	7881.7	3413.8	2726.1	2839.5	2945.3	2962.3	2947.1	2884.8	2811.1
11338.9	37.5°	10109.1	8168.9	3075.6	2633.5	2728.0	2797.9	2777.1	2773.3	2779.0	2692.1
12506.5	40°	10981.9	8542.9	2828.1	2561.7	2637.3	2652.4	2593.9	2626.0	2654.3	2522.1
13787.3	42.5°	11951.0	8994.5	2671.3	2512.6	2561.7	2525.9	2435.2	2471.1	2467.3	2293.5
15073.9	45°	12939.1	9485.6	2616.5	2476.7	2491.8	2420.1	2319.9	2329.4	2250.0	2093.2
16307.5	47.5°	13921.5	10012.7	2650.5	2446.5	2404.9	2323.7	2246.3	2204.7	2087.6	1970.4
17490.2	50°	14885.0	10566.3	2775.2	2386.1	2285.9	2238.7	2182.0	2108.3	1983.7	1883.5
18608.6	52.5°	15778.6	11123.6	2915.0	2285.9	2136.7	2165.0	2129.1	2044.1	1921.3	1819.3
19666.5	55°	16624.9	11680.9	2969.8	2148.0	1996.9	2100.8	2080.0	1923.2	1775.8	1692.7
20773.6	57.5°	17546.8	12351.6	2909.4	1972.3	1883.5	2027.1	1947.8	1774.0	1688.9	1626.6
22215.0	60°	18823.9	13403.8	2779.0	1755.1	1775.8	1917.5	1781.5	1709.7	1617.2	1547.3
24376.3	62.5°	20945.5	15366.7	2569.3	1539.7	1649.3	1755.1	1702.2	1630.4	1535.9	1467.9
28071.5	65°	24081.6	18094.7	2174.5	1371.6	1507.6	1596.4	1617.2	1545.4	1447.1	1375.3
31309.6	67.5°	26726.4	19806.3	1645.5	1231.8	1362.1	1467.9	1526.5	1456.6	1352.7	1282.8
32067.2	70°	26581.0	18563.2	1256.3	1093.8	1233.6	1341.3	1416.9	1362.1	1250.6	1184.5
29127.6	72.5°	23609.3	15529.2	1016.4	954.0	1103.3	1209.1	1299.8	1258.2	1144.9	1080.6
21338.5	75°	17344.7	11023.5	812.4	812.4	940.8	1071.2	1171.3	1144.9	1040.9	995.6
8958.6	77.5°	7311.2	4624.7	636.7	674.4	782.1	920.0	1044.7	1054.2	963.5	1020.2
2369.1	80°	1944.0	1275.2	485.5	530.9	614.0	759.5	908.7	904.9	806.7	753.8
880.4	82.5°	740.6	502.5	345.7	374.1	444.0	581.9	719.8	742.5	644.2	557.3
345.7	85°	285.3	215.4	213.5	224.8	258.8	385.4	544.1	563.0	485.5	411.8
96.3	87.5°	73.7	64.2	79.3	75.6	119.0	205.9	311.7	323.1	296.6	171.9
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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<u>180°</u>
5219.8
4979.9
4615.3
4282.8
4082.5
4025.9
4071.2
4135.4
4135.4
4041.0
3865.3
3634.8
3368.4
3073.7
2814.9
2697.8
2525.9
2291.6
2098.9
1970.4
1876.0
1821.2
1685.2
1620.9
1543.5
1467.9
1379.1
1284.7
1190.2
1080.6
982.4
925.7
700.9
557.3
425.1
245.6
0.0

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