

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: P848616

Luminaire Tested: **GLAN-SB5B-735-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848616  
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-735-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27658 lumens  
Efficiency: N/A  
Efficacy: 151.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

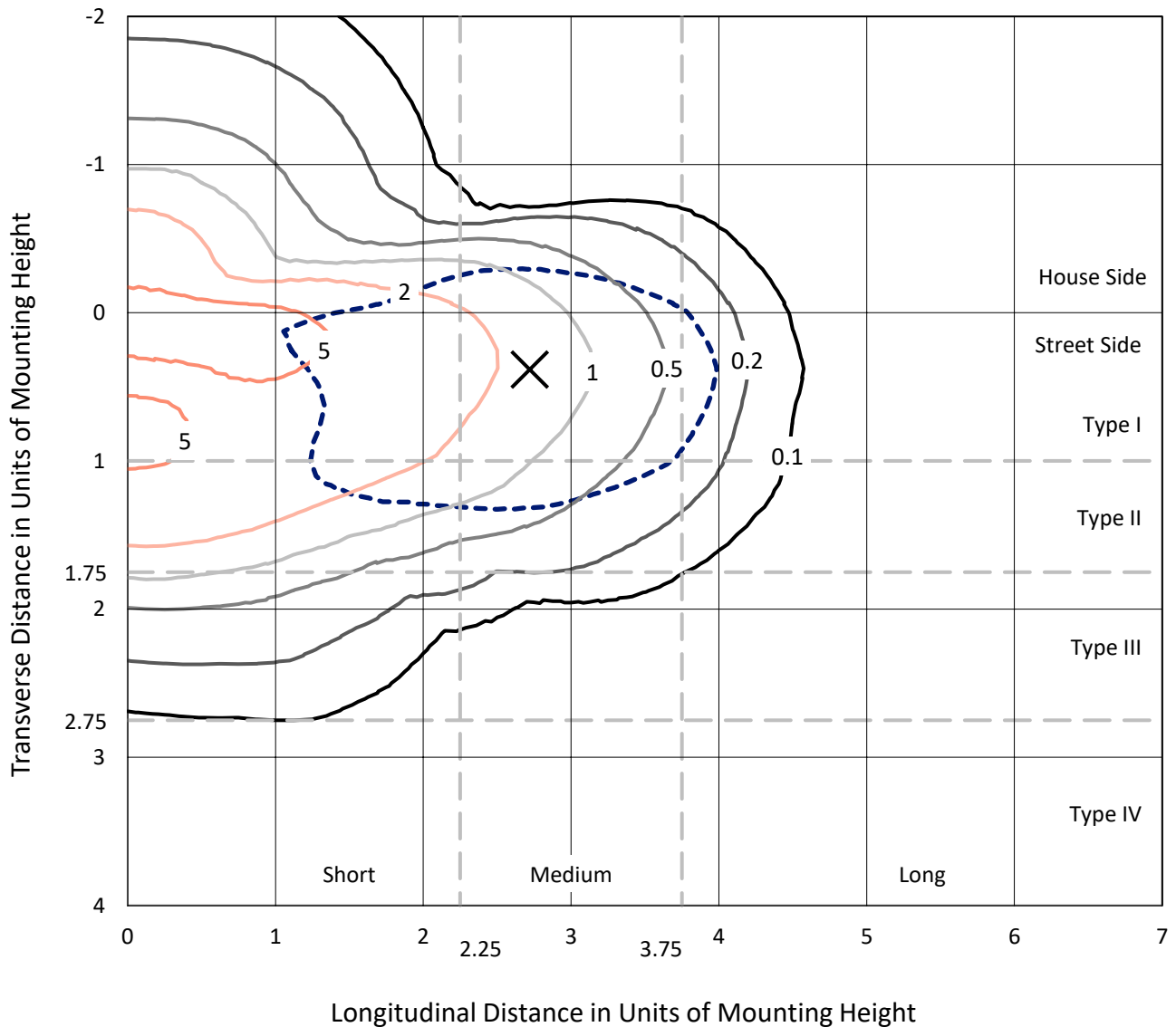
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

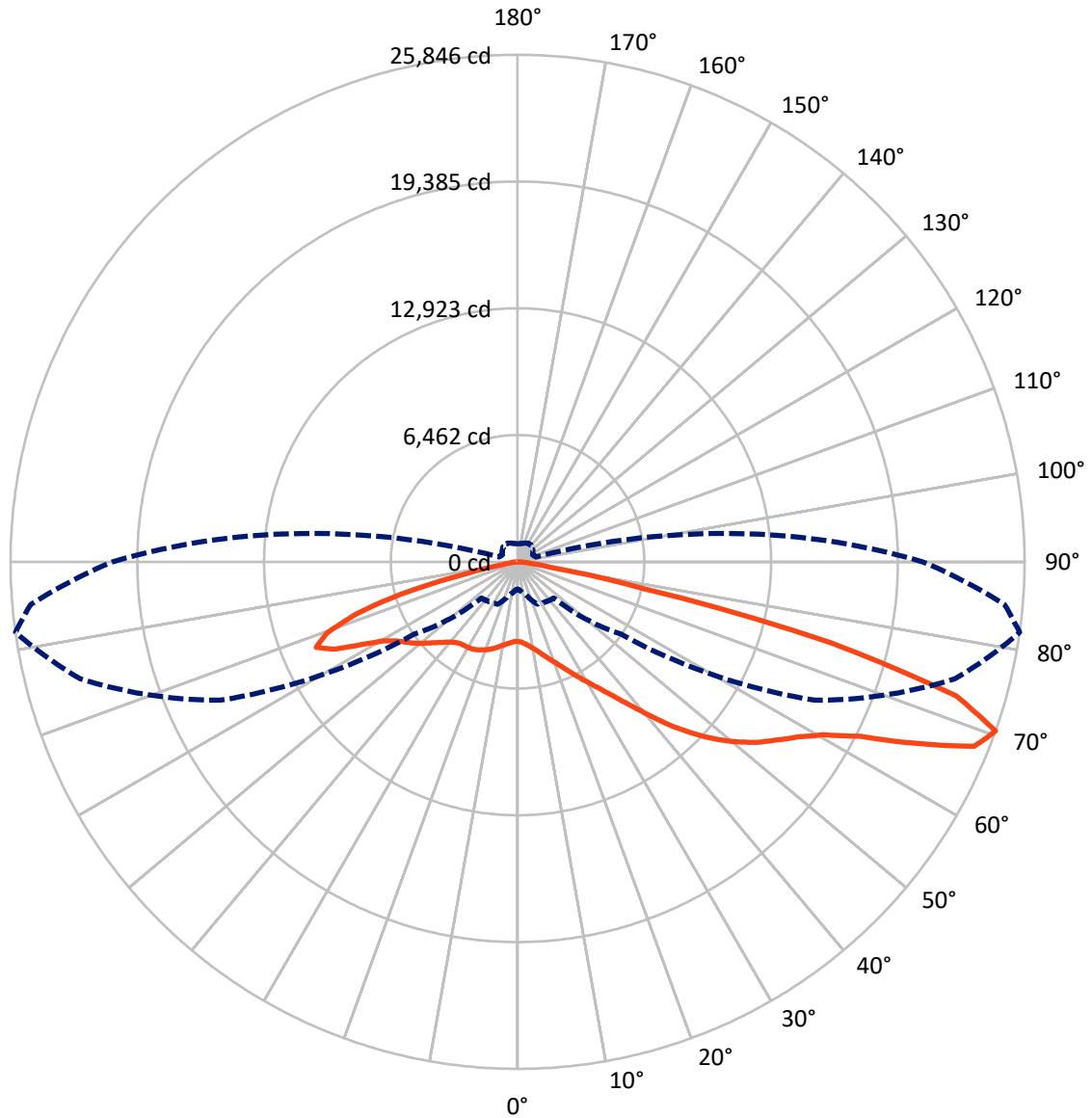
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	6818.4	0.0	6818.4
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	20839.6	0.0	20839.6
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	27658.0	0.0	27658.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.9	1.4
10°-20°	1100.0	4.0
20°-30°	1840.2	6.7
30°-40°	2874.8	10.4
40°-50°	4578.5	16.6
50°-60°	6371.5	23.0
60°-70°	6664.9	24.1
70°-80°	3483.5	12.6
80°-90°	361.7	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°	27658.0	100.0
0°-180°	27658.0	100.0

**Coefficient of Utilization**



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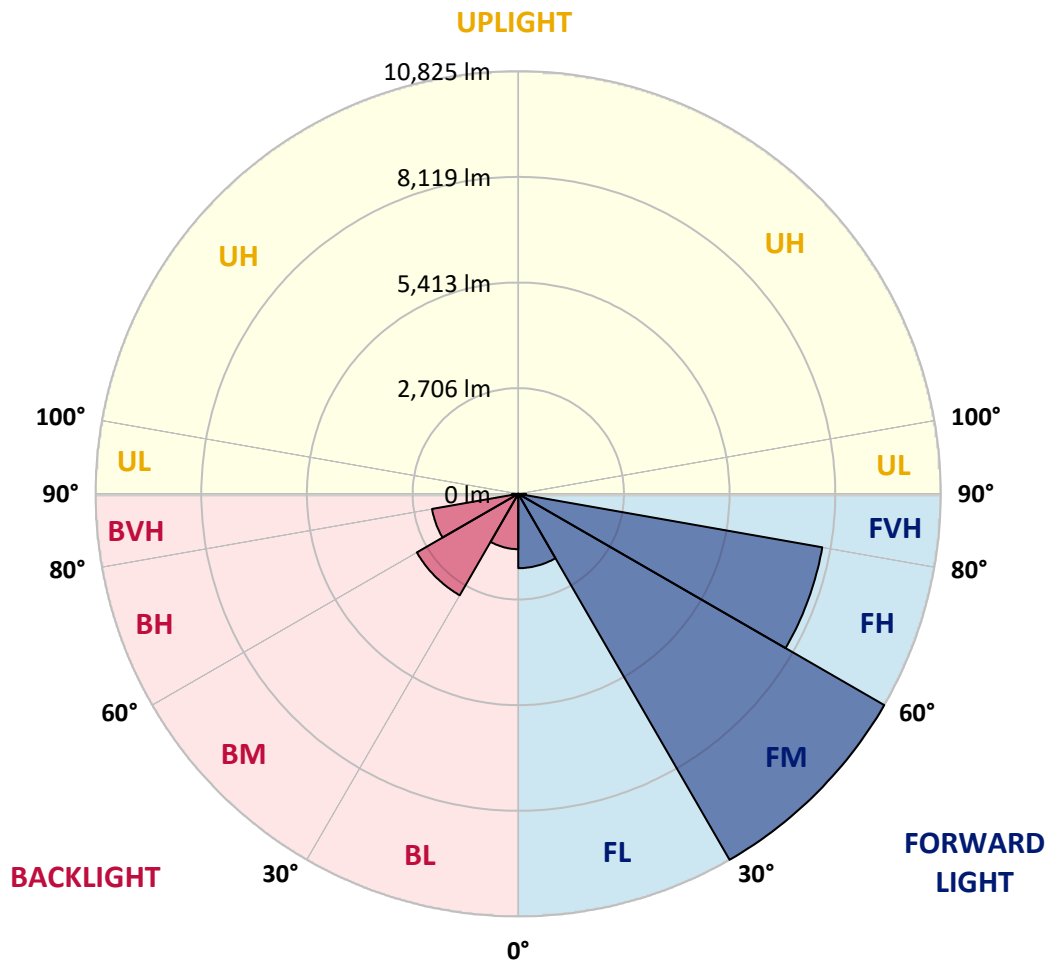
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1904.6	6.9			
FM (30°-60°)	10825.1	39.1			
FH (60°-80°)	7907.5	28.6			G4/12000
FVH (80°-90°)	202.5	0.7			G2/225
BL (0°-30°)	1418.5	5.1	B3/2500		
BM (30°-60°)	2999.8	10.8	B3/5000		
BH (60°-80°)	2240.9	8.1	B3/2500		G3/2500
BVH (80°-90°)	159.2	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-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4055.0	4055.0	4055.0	4055.0	4055.0	4055.0	4055.0	4055.0	4055.0	4055.0
2.5°	4151.9	4175.4	4168.0	4160.7	4160.7	4150.4	4148.9	4134.3	4122.5	4103.4
5°	4204.7	4229.7	4226.7	4232.6	4251.7	4256.1	4260.5	4251.7	4228.2	4204.7
7.5°	4157.7	4185.6	4194.4	4229.7	4288.4	4341.2	4380.8	4397.0	4374.9	4341.2
10°	3999.2	4030.1	4060.9	4144.5	4248.7	4373.5	4479.1	4542.3	4537.9	4505.6
12.5°	3677.8	3710.1	3776.2	3939.1	4129.9	4350.0	4546.7	4678.7	4724.2	4700.8
15°	3421.0	3448.9	3498.8	3666.1	3914.1	4248.7	4571.6	4828.4	4944.4	4931.2
17.5°	3413.7	3425.4	3456.2	3535.5	3726.3	4090.2	4545.2	4975.2	5196.8	5195.3
20°	3542.8	3547.2	3564.8	3581.0	3689.6	3969.9	4477.7	5097.0	5480.1	5480.1
22.5°	3721.9	3718.9	3736.5	3721.9	3774.7	3959.6	4435.1	5204.1	5795.6	5819.1
25°	3990.4	3975.8	3971.4	3937.6	3947.9	4055.0	4482.1	5326.0	6169.8	6218.3
27.5°	4348.5	4325.0	4308.9	4231.1	4204.7	4251.7	4625.9	5472.7	6586.6	6670.3
30°	4815.2	4772.7	4749.2	4614.2	4518.8	4526.1	4843.1	5667.9	7022.5	7157.5
32.5°	5452.2	5386.1	5323.0	5101.4	4926.8	4869.5	5123.4	5938.0	7495.1	7710.8
35°	6165.4	6112.6	6045.1	5703.1	5434.6	5302.5	5502.1	6315.1	8048.4	8390.3
37.5°	6852.3	6806.8	6839.1	6378.2	6031.9	5839.6	5998.1	6821.5	8730.8	9235.7
40°	7562.6	7527.4	7531.8	7091.5	6687.9	6472.2	6599.8	7456.9	9513.1	10241.0
42.5°	8334.6	8308.1	8220.1	7829.7	7376.2	7175.1	7292.6	8190.7	10352.5	11385.7
45°	9199.0	9182.8	9100.7	8653.0	8133.5	7907.5	8066.0	9000.9	11196.4	12463.0
47.5°	9946.0	9959.2	9948.9	9571.8	9033.1	8701.5	8890.8	9846.2	11981.6	13475.6
50°	10305.6	10374.5	10475.8	10358.4	10023.8	9686.2	9722.9	10662.2	12730.1	14425.1
52.5°	10117.7	10248.3	10524.2	10712.1	10841.2	10770.8	10672.5	11472.3	13434.5	15282.2
55°	9417.7	9601.1	10059.0	10512.5	11171.5	11683.6	11812.8	12370.5	14121.4	16036.6
57.5°	8142.3	8440.2	8851.2	9768.4	10877.9	12125.4	13142.5	13616.5	14849.3	16842.3
60°	5955.6	6354.8	6865.5	8230.4	9850.6	11889.1	14274.0	15530.3	15884.0	17885.8
62.5°	3811.4	4057.9	4527.6	5813.2	7675.6	10678.3	14620.3	17922.5	17637.7	19597.0
65°	2609.4	2767.9	3197.9	3920.0	4962.0	7948.6	13692.8	19715.9	20423.3	22309.2
67.5°	1896.2	2016.5	2383.4	3015.9	3233.1	4703.7	10625.5	19633.7	23131.0	25103.5
70°	1382.5	1467.6	1775.8	2383.4	2487.6	2616.8	6436.9	16689.7	23072.3	25846.1
72.5°	1024.4	1083.1	1290.0	1849.2	2013.6	1767.0	3186.2	12129.8	19826.0	23377.6
75°	741.1	785.2	937.8	1414.8	1611.4	1345.8	1589.4	7088.6	13829.3	16444.6
77.5°	566.5	600.3	700.1	1036.1	1290.0	1009.7	986.2	3261.0	6557.3	6589.6
80°	455.0	477.0	531.3	729.4	989.2	755.8	642.8	1316.4	2072.3	1753.8
82.5°	334.6	371.3	449.1	512.2	707.4	521.0	391.9	664.8	788.1	678.0
85°	190.8	215.7	271.5	366.9	452.0	318.5	224.5	295.0	366.9	300.9
87.5°	67.5	88.1	95.4	143.8	196.7	132.1	86.6	85.1	120.3	89.5
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°
4055.0	0°	4055.0	4055.0	4055.0	4055.0	4055.0	4055.0	4055.0	4055.0	4055.0	4055.0
4099.0	2.5°	4084.4	4077.0	4047.7	4008.0	3967.0	3927.3	3914.1	3886.2	3867.2	3856.9
4194.4	5°	4166.5	4143.1	4074.1	3986.0	3893.6	3793.8	3723.3	3658.8	3611.8	3567.8
4325.0	7.5°	4284.0	4242.9	4124.0	3969.9	3805.5	3639.7	3516.4	3422.5	3359.4	3318.3
4477.7	10°	4420.4	4357.3	4175.4	3944.9	3691.0	3453.3	3308.0	3227.3	3187.7	3165.6
4652.3	12.5°	4577.5	4488.0	4228.2	3887.7	3516.4	3244.9	3145.1	3121.6	3123.1	3124.5
4872.5	15°	4771.2	4646.5	4270.7	3763.0	3288.9	3084.9	3067.3	3105.5	3145.1	3164.2
5122.0	17.5°	4989.9	4813.8	4278.1	3557.5	3065.8	2982.2	3038.0	3120.1	3180.3	3206.7
5400.8	20°	5224.7	4984.0	4225.3	3266.9	2882.4	2898.5	2998.3	3104.0	3170.0	3203.8
5719.3	22.5°	5493.3	5166.0	4099.0	2961.6	2732.7	2807.5	2924.9	3027.7	3096.7	3130.4
6093.5	25°	5800.0	5370.0	3900.9	2704.8	2603.5	2704.8	2822.2	2907.3	2963.1	2993.9
6511.8	27.5°	6140.5	5582.8	3636.7	2500.8	2490.5	2599.1	2696.0	2762.0	2791.4	2814.9
6956.5	30°	6482.4	5776.5	3316.8	2346.7	2392.2	2494.9	2563.9	2593.3	2602.1	2606.5
7452.5	32.5°	6852.3	5943.8	2980.7	2219.0	2298.3	2393.7	2434.8	2448.0	2406.9	2379.0
8054.2	35°	7299.9	6122.9	2652.0	2117.8	2205.8	2288.0	2301.2	2289.5	2241.0	2183.8
8808.6	37.5°	7853.2	6345.9	2389.3	2045.8	2119.2	2173.5	2157.4	2154.5	2158.9	2091.3
9715.6	40°	8531.2	6636.5	2197.0	1990.1	2048.8	2060.5	2015.0	2040.0	2062.0	1959.3
10710.6	42.5°	9284.1	6987.3	2075.2	1951.9	1990.1	1962.2	1891.8	1919.6	1916.7	1781.7
11710.1	45°	10051.7	7368.9	2032.6	1924.0	1935.8	1880.0	1802.2	1809.6	1747.9	1626.1
12668.4	47.5°	10814.8	7778.3	2059.1	1900.6	1868.3	1805.2	1745.0	1712.7	1621.7	1530.7
13587.1	50°	11563.3	8208.3	2155.9	1853.6	1775.8	1739.1	1695.1	1637.9	1541.0	1463.2
14456.0	52.5°	12257.5	8641.3	2264.5	1775.8	1659.9	1681.9	1654.0	1588.0	1492.6	1413.3
15277.8	55°	12915.0	9074.2	2307.1	1668.7	1551.3	1632.0	1615.8	1494.0	1379.6	1315.0
16137.8	57.5°	13631.2	9595.2	2260.1	1532.2	1463.2	1574.7	1513.1	1378.1	1312.0	1263.6
17257.6	60°	14623.3	10412.7	2158.9	1363.4	1379.6	1489.6	1384.0	1328.2	1256.3	1202.0
18936.6	62.5°	16271.4	11937.5	1996.0	1196.1	1281.2	1363.4	1322.3	1266.5	1193.2	1140.3
21807.2	65°	18707.6	14056.8	1689.2	1065.5	1171.2	1240.1	1256.3	1200.5	1124.2	1068.4
24322.7	67.5°	20762.3	15386.4	1278.3	956.9	1058.1	1140.3	1185.8	1131.5	1050.8	996.5
24911.2	70°	20649.3	14420.7	976.0	849.7	958.3	1042.0	1100.7	1058.1	971.6	920.2
22627.6	72.5°	18340.7	12063.8	789.6	741.1	857.1	939.3	1009.7	977.4	889.4	839.5
16576.7	75°	13474.1	8563.5	631.1	631.1	730.9	832.1	909.9	889.4	808.7	773.4
6959.4	77.5°	5679.7	3592.7	494.6	523.9	607.6	714.7	811.6	818.9	748.5	792.5
1840.4	80°	1510.2	990.6	377.2	412.4	477.0	590.0	705.9	703.0	626.7	585.6
683.9	82.5°	575.3	390.4	268.6	290.6	344.9	452.0	559.2	576.8	500.5	432.9
268.6	85°	221.6	167.3	165.8	174.6	201.1	299.4	422.7	437.3	377.2	319.9
74.8	87.5°	57.2	49.9	61.6	58.7	92.5	160.0	242.2	251.0	230.4	133.6
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°
4055.0
3868.6
3585.4
3327.1
3171.5
3127.5
3162.7
3212.6
3212.6
3139.2
3002.7
2823.7
2616.8
2387.8
2186.7
2095.7
1962.2
1780.2
1630.5
1530.7
1457.3
1414.8
1309.1
1259.2
1199.0
1140.3
1071.4
998.0
924.6
839.5
763.2
719.1
544.5
432.9
330.2
190.8
0.0

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