

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: P849738

Luminaire Tested: **GLAN-SB6D-930-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849738  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41659 lumens  
Efficiency: N/A  
Efficacy: 94.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

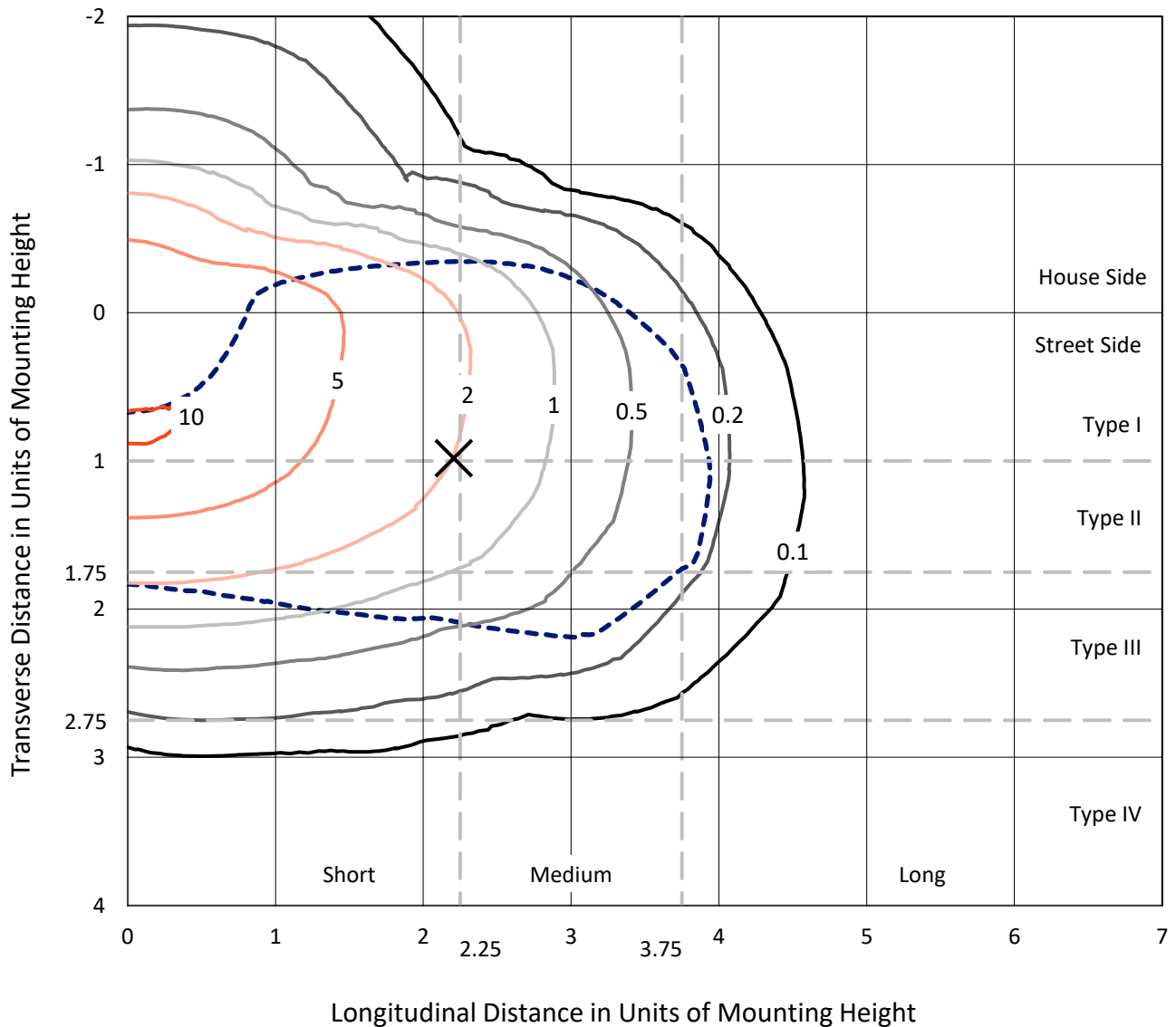
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P849738  
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### Iso-Footcandle Lines of Horizontal Illumination

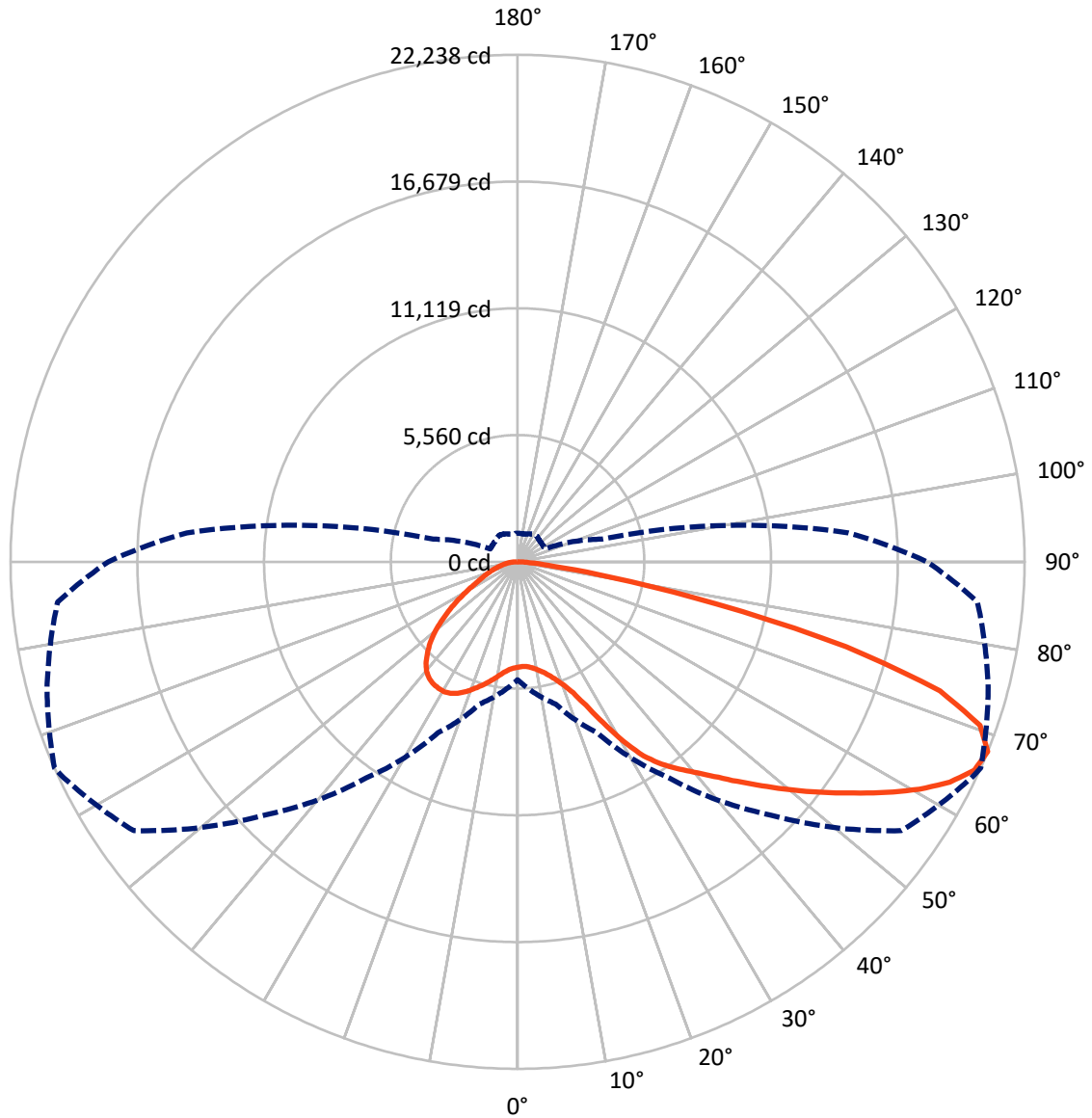
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc  
 Type III - Short - N/A

REPORT NUMBER: P849738  
CATALOG NUMBER: GLAN-SB6D-930-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10358.4	0.0	10358.4
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	31300.6	0.0	31300.6
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	41659.0	0.0	41659.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	458.1	1.1
10°-20°	1513.5	3.6
20°-30°	2917.2	7.0
30°-40°	5115.0	12.3
40°-50°	7604.3	18.3
50°-60°	9639.2	23.1
60°-70°	9431.7	22.6
70°-80°	4499.0	10.8
80°-90°	480.8	1.2
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°	41659.0	100.0
0°-180°	41659.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P849738

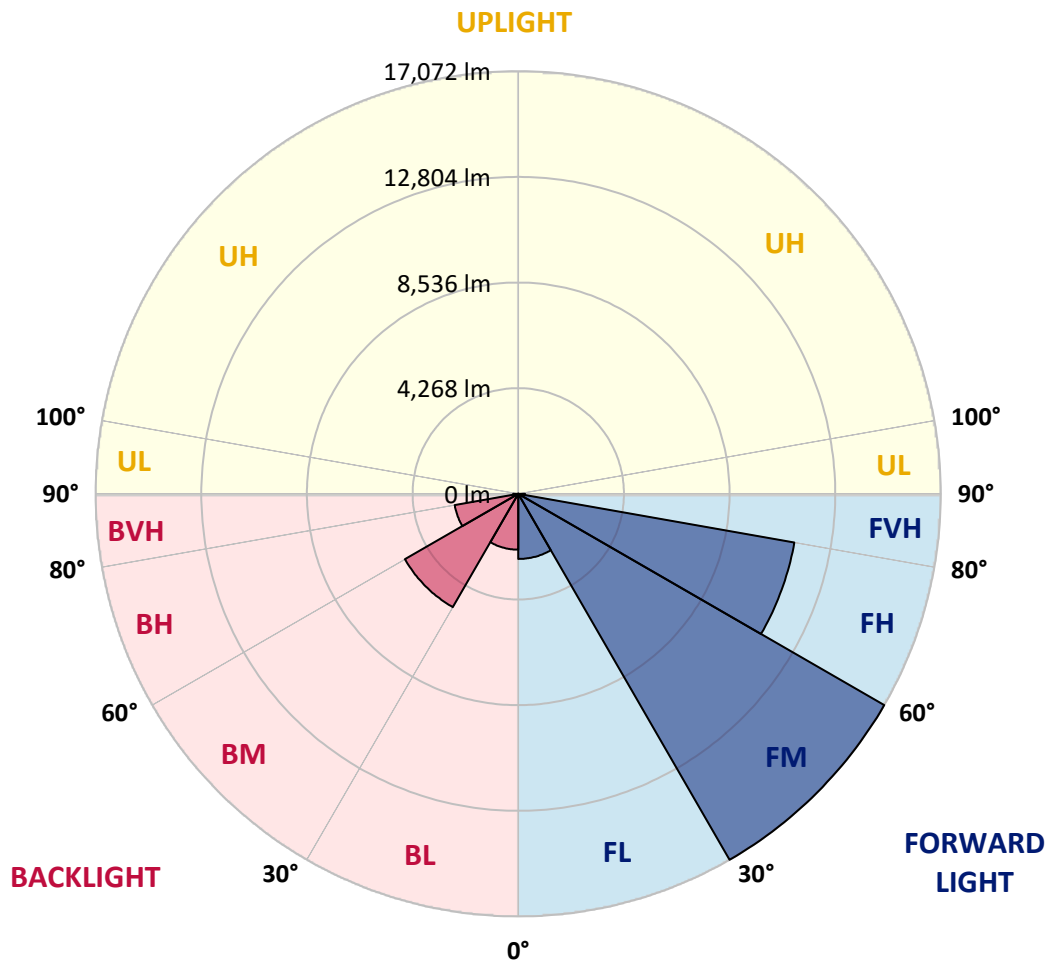
CATALOG NUMBER: GLAN-SB6D-930-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2632.4	6.3			
FM (30°-60°)	17071.5	41.0			
FH (60°-80°)	11324.1	27.2			G4/12000
FVH (80°-90°)	272.6	0.7			G3/500
BL (0°-30°)	2256.4	5.4	B3/2500		
BM (30°-60°)	5287.0	12.7	B4/8500		
BH (60°-80°)	2606.7	6.3	B4/5000		G4/5000
BVH (80°-90°)	208.2	0.5			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 III Short



REPORT NUMBER: P849738  
 CATALOG NUMBER: GLAN-SB6D-930-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4620.5	4620.5	4620.5	4620.5	4620.5	4620.5	4620.5	4620.5	4620.5	4620.5
2.5°	4572.4	4598.6	4592.1	4581.1	4578.9	4583.3	4589.9	4596.5	4594.3	4605.2
5°	4559.2	4585.5	4583.3	4583.3	4592.1	4609.6	4620.5	4631.5	4620.5	4633.7
7.5°	4568.0	4587.7	4596.5	4605.2	4627.1	4659.9	4686.2	4710.3	4697.1	4712.5
10°	4679.6	4695.0	4703.7	4703.7	4719.0	4756.2	4782.5	4826.3	4815.3	4839.4
12.5°	4883.2	4898.5	4898.5	4889.8	4900.7	4924.8	4933.5	4981.7	4962.0	5001.4
15°	5132.7	5163.4	5139.3	5124.0	5128.3	5152.4	5150.2	5187.4	5167.7	5200.6
17.5°	5408.5	5447.9	5408.5	5406.3	5397.6	5423.8	5426.0	5458.8	5423.8	5447.9
20°	5734.6	5789.3	5756.5	5767.5	5747.8	5758.7	5769.6	5817.8	5763.1	5780.6
22.5°	6194.3	6259.9	6224.9	6266.5	6253.4	6244.6	6242.4	6327.8	6242.4	6249.0
25°	6864.0	6942.8	6881.6	6938.5	6938.5	6966.9	6999.7	7109.2	6966.9	6925.3
27.5°	7853.4	7932.2	7811.8	7846.8	7835.9	7905.9	7870.9	8142.3	7989.1	7921.2
30°	9044.1	9184.2	8956.5	8947.8	8936.8	9048.5	9098.8	9278.3	9122.9	9055.0
32.5°	10331.1	10477.7	10206.3	10127.5	10085.9	10153.8	10112.2	10256.7	10149.4	10044.4
35°	11692.5	11837.0	11578.7	11425.5	11259.1	11116.9	10968.0	11005.2	10904.5	10744.8
37.5°	12979.5	13244.4	12970.8	12806.6	12500.2	12222.2	11806.3	11633.4	11539.3	11392.6
40°	14290.6	14441.6	14233.7	14093.6	13760.9	13325.3	12660.0	12294.4	12167.5	12025.2
42.5°	15255.9	15400.3	15288.7	15192.4	14931.9	14426.3	13566.1	13108.7	12924.8	12765.0
45°	16021.9	16129.2	16059.1	16094.2	15982.5	15492.2	14505.1	13982.0	13791.6	13596.8
47.5°	16330.6	16444.4	16556.0	16763.9	16954.4	16593.2	15514.1	14927.5	14726.2	14527.0
50°	16295.5	16411.5	16735.5	17177.6	17768.6	17648.2	16577.9	15934.4	15748.3	15520.7
52.5°	16015.4	16146.7	16562.6	17298.0	18239.2	18438.4	17661.3	16974.1	16799.0	16527.5
55°	15279.9	15358.7	15982.5	17024.4	18350.8	18989.9	18722.9	18081.6	17906.5	17527.8
57.5°	13916.3	14030.1	14938.5	16286.8	18070.6	19364.2	19655.3	19246.0	19077.5	18532.5
60°	12136.8	12318.5	13358.2	15047.9	17357.1	19362.0	20502.4	20390.8	20250.7	19521.8
62.5°	10123.1	10333.3	11333.5	13296.9	16109.5	18812.6	21032.1	21349.4	21277.2	20434.5
65°	7774.6	7919.0	8914.9	11031.5	14168.0	17632.9	21093.4	22003.9	22017.0	21128.4
67.5°	5176.5	5592.4	6456.9	8278.0	11567.8	15704.6	20554.9	22111.1	22238.1	21367.0
70°	2525.9	3073.1	3920.1	5380.0	8278.0	12747.5	19147.5	21231.3	21513.6	20670.9
72.5°	1048.4	1225.7	1687.6	2655.0	4751.9	8601.9	16319.6	18845.5	19368.6	18315.8
75°	707.0	766.1	965.3	1361.4	2164.7	4241.9	11769.1	14052.0	14894.7	13833.1
77.5°	545.0	582.2	702.6	952.1	1287.0	1604.4	6299.3	8468.4	8904.0	8243.0
80°	429.0	457.5	525.3	693.8	912.7	858.0	2147.2	3836.9	4088.7	3429.8
82.5°	372.1	383.0	376.5	470.6	606.3	501.2	704.8	1416.1	1562.8	1133.8
85°	269.2	299.9	313.0	291.1	321.8	253.9	288.9	501.2	551.6	492.5
87.5°	109.4	162.0	199.2	188.2	118.2	72.2	89.7	146.6	168.5	183.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849738  
 CATALOG NUMBER: GLAN-SB6D-930-U-T3

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4620.5	0°	4620.5	4620.5	4620.5	4620.5	4620.5	4620.5	4620.5	4620.5	4620.5	4620.5
4622.7	2.5°	4624.9	4640.2	4651.2	4664.3	4673.1	4686.2	4712.5	4727.8	4730.0	4740.9
4657.7	5°	4666.5	4688.4	4712.5	4747.5	4786.9	4819.7	4870.1	4905.1	4918.2	4929.2
4743.1	7.5°	4756.2	4786.9	4830.7	4891.9	4948.9	4992.6	5053.9	5095.5	5137.1	5152.4
4878.8	10°	4889.8	4933.5	4997.0	5080.2	5141.5	5198.4	5261.8	5296.9	5338.5	5356.0
5040.8	12.5°	5056.1	5102.1	5185.2	5301.2	5358.2	5397.6	5419.4	5410.7	5419.4	5434.8
5235.6	15°	5246.5	5296.9	5391.0	5515.7	5555.1	5520.1	5472.0	5428.2	5421.6	5426.0
5472.0	17.5°	5472.0	5509.2	5618.6	5723.7	5695.2	5550.8	5445.7	5375.7	5340.6	5329.7
5774.0	20°	5787.2	5787.2	5876.9	5942.6	5752.1	5507.0	5342.8	5229.0	5156.8	5126.1
6185.5	22.5°	6170.2	6135.2	6192.1	6146.1	5741.2	5384.4	5156.8	4959.8	4850.4	4806.6
6761.2	25°	6656.1	6614.5	6599.2	6314.7	5662.4	5189.6	4819.7	4581.1	4484.8	4460.8
7590.7	27.5°	7389.4	7284.3	7085.1	6406.6	5517.9	4883.2	4425.7	4204.7	4149.9	4152.1
8656.7	30°	8365.6	8155.4	7667.3	6421.9	5281.5	4449.8	4023.0	3865.4	3839.1	3850.1
9551.9	32.5°	9269.5	9070.3	8262.7	6351.9	4918.2	4025.2	3661.8	3556.8	3517.4	3530.5
10234.8	35°	9978.7	9924.0	8814.3	6253.4	4471.7	3626.8	3337.9	3248.2	3171.6	3154.0
10878.3	37.5°	10648.5	10626.6	9227.9	6115.5	4029.6	3344.5	3077.4	2959.2	2847.6	2786.3
11589.6	40°	11383.9	11362.0	9499.3	5903.2	3637.8	3099.3	2843.2	2687.8	2549.9	2438.3
12395.1	42.5°	12211.3	12082.1	9628.5	5598.9	3305.1	2891.4	2652.8	2442.7	2261.0	2158.1
13305.6	45°	13115.2	12824.1	9626.3	5211.5	3024.9	2701.0	2449.3	2151.6	1983.0	1886.7
14240.3	47.5°	14073.9	13533.3	9508.1	4782.5	2753.5	2490.8	2134.1	1906.4	1794.8	1735.7
15255.9	50°	15063.2	14196.5	9306.7	4290.0	2475.5	2252.3	1937.1	1781.7	1696.3	1641.6
16262.7	52.5°	15993.5	14798.4	9063.8	3731.9	2193.2	2020.3	1849.5	1729.1	1639.4	1578.1
17238.9	55°	16858.1	15317.1	8720.1	3160.6	1963.3	1864.8	1807.9	1707.3	1604.4	1532.2
18230.4	57.5°	17626.3	15654.2	8127.0	2624.4	1799.2	1757.6	1764.2	1670.0	1551.9	1490.6
19206.6	60°	18265.4	15901.6	7249.3	2127.5	1665.7	1652.5	1696.3	1600.0	1462.1	1392.1
20031.8	62.5°	18648.5	15897.2	6172.4	1742.3	1551.9	1556.2	1606.6	1512.5	1372.4	1306.7
20463.0	65°	18615.7	15507.6	4990.4	1490.6	1442.4	1446.8	1512.5	1416.1	1298.0	1258.6
20246.3	67.5°	17956.8	14557.6	3828.2	1326.4	1322.0	1341.7	1418.3	1350.5	1252.0	1247.6
18954.9	70°	16173.0	12585.5	2757.9	1195.1	1197.3	1225.7	1326.4	1308.9	1227.9	1236.7
15936.6	72.5°	12968.6	9595.7	1851.7	1057.2	1059.4	1105.3	1238.9	1276.1	1203.8	1319.8
11307.3	75°	8637.0	5984.1	1190.7	910.5	912.7	971.8	1162.2	1212.6	1138.2	1315.5
5883.5	77.5°	4149.9	2690.0	862.4	766.1	766.1	820.8	1004.7	1085.6	969.6	1022.2
1891.1	80°	1433.7	1011.2	678.5	617.2	604.1	641.3	847.1	941.2	836.1	770.5
617.2	82.5°	564.7	525.3	545.0	479.3	435.6	459.6	658.8	777.0	615.0	556.0
348.0	85°	323.9	341.5	385.2	317.4	251.7	282.4	483.7	558.1	464.0	409.3
113.8	87.5°	87.6	120.4	177.3	164.2	113.8	120.4	229.8	308.6	267.0	205.7
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°
4620.5
4738.7
4927.0
5154.6
5364.7
5439.1
5441.3
5345.0
5119.6
4800.0
4465.1
4158.7
3887.3
3548.0
3167.2
2788.5
2449.3
2164.7
1882.4
1722.6
1621.9
1551.9
1503.7
1451.2
1361.4
1287.0
1256.4
1254.2
1234.5
1337.4
1326.4
936.8
722.3
553.8
418.1
212.3
0.0

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