

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: P850405

Luminaire Tested: **GLAN-SB7D-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850405  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

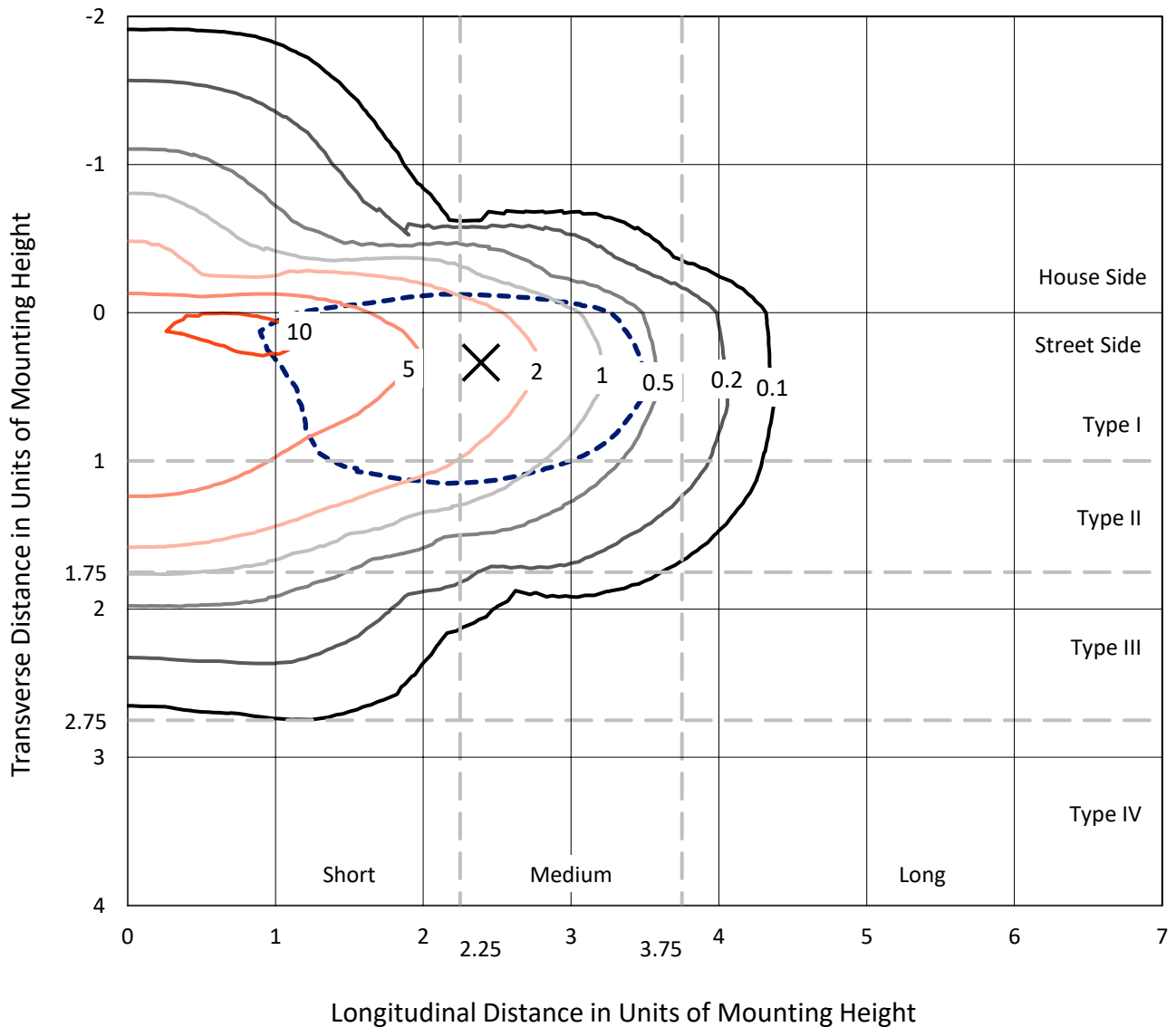
Lumens per Lamp: N/A  
Luminaire Lumens: 34032 lumens  
Efficiency: N/A  
Efficacy: 66.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): 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

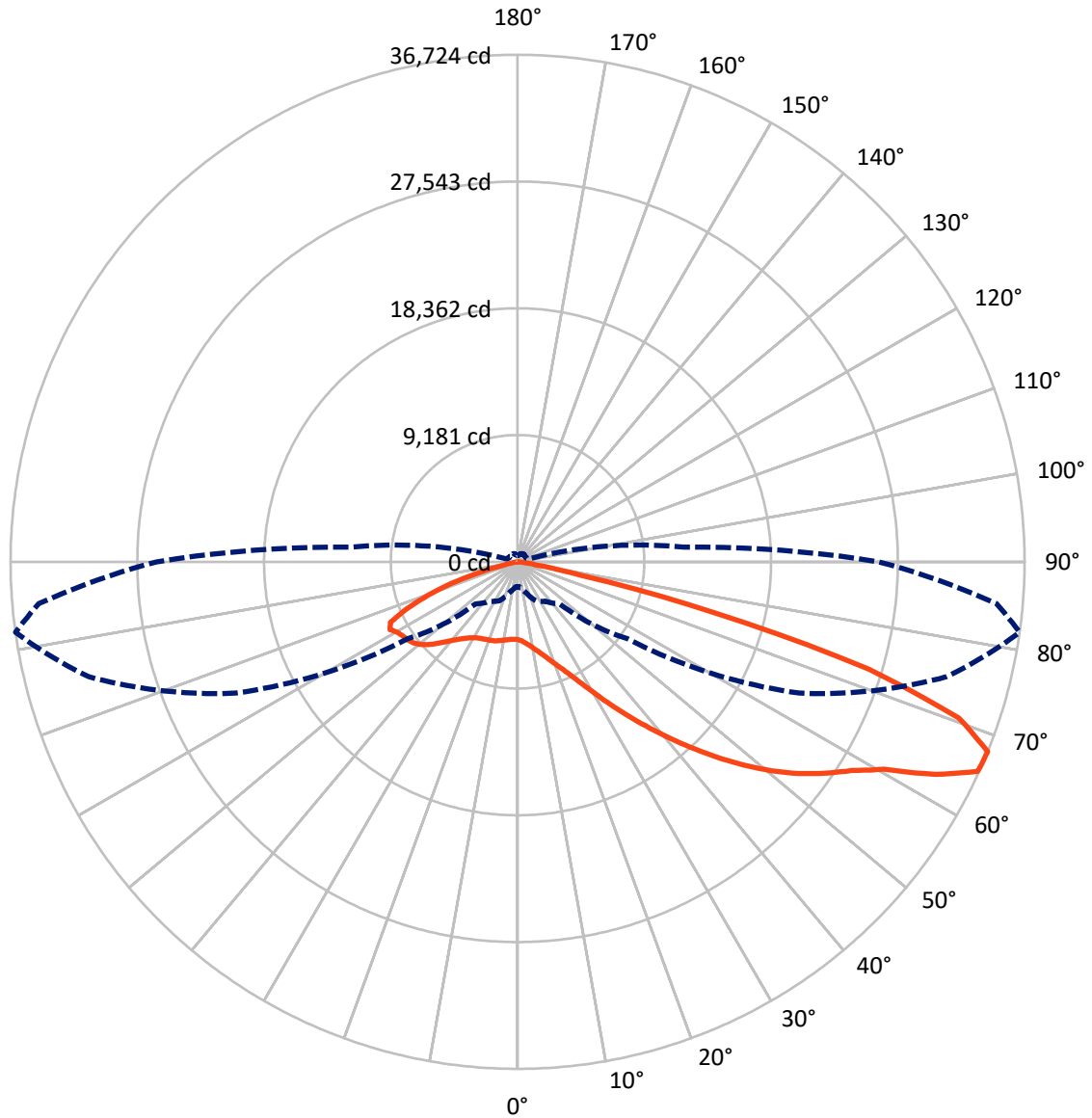
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6164.6	0.0	6164.6
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	27867.4	0.0	27867.4
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	34032.0	0.0	34032.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	502.3	1.5
10°-20°	1305.3	3.8
20°-30°	2090.6	6.1
30°-40°	3696.9	10.9
40°-50°	6477.3	19.0
50°-60°	8638.9	25.4
60°-70°	8042.4	23.6
70°-80°	3086.7	9.1
80°-90°	191.7	0.6
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°	34032.0	100.0
0°-180°	34032.0	100.0

**Coefficient of Utilization**

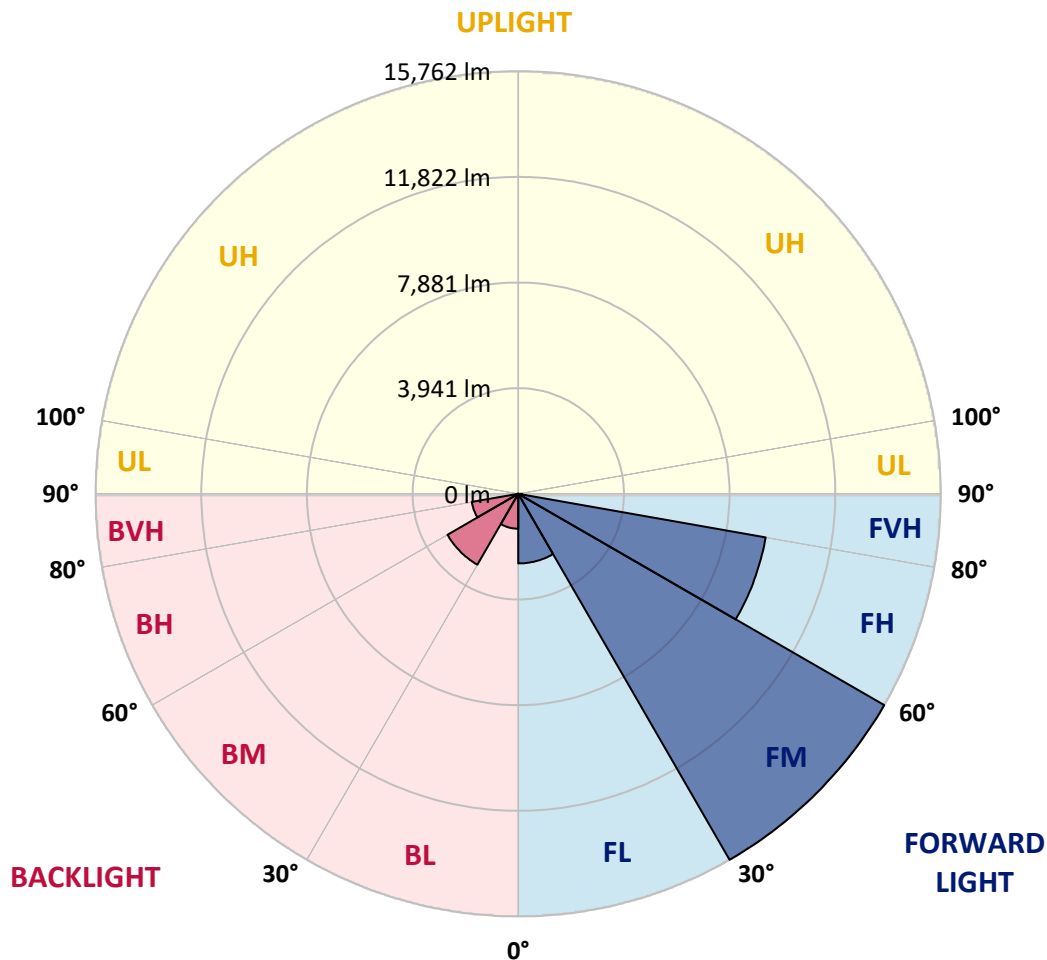


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2596.3	7.6			
FM (30°-60°)	15762.2	46.3			
FH (60°-80°)	9369.5	27.5			G4/12000
FVH (80°-90°)	139.4	0.4			G2/225
BL (0°-30°)	1301.9	3.8	B3/2500		
BM (30°-60°)	3050.8	9.0	B3/5000		
BH (60°-80°)	1759.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	52.3	0.2			G1/100
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°	5638.0	5638.0	5638.0	5638.0	5638.0	5638.0	5638.0	5638.0	5638.0	5638.0
2.5°	5958.9	5993.2	5973.6	5963.8	5946.7	5922.2	5902.6	5841.3	5777.6	5736.0
5°	6079.0	6113.3	6110.8	6120.6	6132.9	6140.2	6135.3	6066.7	5976.1	5905.0
7.5°	5976.1	6015.3	6047.1	6096.1	6181.9	6272.6	6316.7	6302.0	6208.9	6110.8
10°	5684.5	5726.2	5802.1	5917.3	6098.6	6294.6	6458.8	6534.7	6475.9	6368.1
12.5°	5150.4	5192.0	5341.5	5591.4	5895.2	6235.8	6549.4	6752.8	6767.5	6659.7
15°	4550.1	4591.7	4751.0	5064.6	5527.7	6074.1	6598.4	6983.1	7113.0	7019.9
17.5°	4177.6	4214.4	4334.4	4586.8	5069.5	5750.7	6581.3	7228.1	7524.6	7451.1
20°	4064.9	4096.8	4153.1	4329.5	4731.4	5415.0	6468.6	7458.5	7968.1	7926.5
22.5°	4185.0	4214.4	4231.5	4309.9	4562.3	5194.5	6326.5	7693.7	8482.7	8487.6
25°	4461.8	4491.2	4471.6	4520.7	4630.9	5125.9	6272.6	7970.6	9129.5	9183.4
27.5°	4917.6	4920.0	4873.5	4871.0	4888.2	5228.8	6328.9	8267.0	9945.4	10045.9
30°	5831.5	5794.8	5615.9	5422.3	5334.1	5537.5	6485.7	8617.4	10908.4	11087.2
32.5°	7240.4	7186.5	6858.2	6395.1	5929.5	6034.9	6767.5	9016.8	11957.1	12280.5
35°	8769.3	8754.6	8411.6	7723.1	6909.6	6743.0	7225.7	9541.1	13101.3	13615.9
37.5°	10190.5	10183.1	9987.1	9176.1	8186.2	7730.4	7960.8	10227.2	14326.4	15071.3
40°	11489.1	11511.1	11315.1	10589.8	9592.6	8997.2	8960.4	11075.0	15688.7	16656.6
42.5°	12611.3	12635.8	12437.3	11900.7	10981.9	10398.7	10188.0	12113.9	17019.2	18359.5
45°	13373.3	13525.2	13495.8	13067.0	12407.9	11802.7	11663.0	13417.4	18535.9	20165.3
47.5°	13588.9	13728.6	13949.1	14007.9	13606.1	13010.7	13177.3	14988.0	20069.7	21973.6
50°	13057.2	13187.1	13645.3	14255.4	14534.7	14350.9	14649.9	16671.3	21640.3	23776.9
52.5°	12008.5	12140.8	12719.1	13684.5	14823.8	15402.1	16127.3	18330.1	23161.9	25484.7
55°	10491.8	10631.5	11373.9	12466.7	14272.5	15835.8	17359.8	19986.4	24556.1	27021.0
57.5°	8428.7	8531.7	9303.5	10832.4	12885.7	15404.5	18268.8	21794.7	25869.4	28530.3
60°	5493.4	5584.0	6480.8	8186.2	10587.4	13963.8	18450.1	23811.2	27614.0	30493.0
62.5°	3653.3	3714.5	4246.2	5498.3	7456.0	11197.5	17389.2	25421.0	30172.0	33908.6
65°	2506.6	2567.8	3099.5	3971.8	4817.1	7407.0	14338.7	25207.8	32489.9	36621.0
67.5°	1788.7	1840.1	2291.0	3114.2	3486.7	4302.6	9720.0	22483.2	32156.7	36723.9
70°	1281.5	1310.9	1683.3	2425.7	2771.2	2585.0	5405.2	17195.6	28155.5	33911.0
72.5°	896.8	906.6	1168.8	1847.5	2232.1	1886.7	2572.7	11464.6	21294.8	26616.7
75°	607.7	619.9	786.5	1355.0	1791.1	1440.7	1362.3	6147.6	12501.0	14733.2
77.5°	372.4	377.3	507.2	926.2	1340.3	1097.7	877.2	2604.6	4836.7	4748.5
80°	210.7	210.7	323.4	575.8	913.9	708.1	615.0	1107.5	1531.4	1345.2
82.5°	117.6	120.1	235.2	357.7	605.2	419.0	338.1	512.1	661.6	585.6
85°	49.0	53.9	144.6	169.1	289.1	208.3	137.2	215.6	245.0	218.1
87.5°	4.9	7.4	44.1	31.9	34.3	41.7	19.6	41.7	34.3	34.3
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°
5638.0	0°	5638.0	5638.0	5638.0	5638.0	5638.0	5638.0	5638.0	5638.0	5638.0	5638.0
5721.3	2.5°	5674.7	5638.0	5544.8	5437.0	5294.9	5226.3	5133.2	5069.5	5015.6	5020.5
5863.4	5°	5785.0	5691.9	5483.6	5223.9	4900.4	4670.1	4425.1	4256.0	4118.8	4089.4
6059.4	7.5°	5936.9	5789.9	5424.8	4956.8	4410.4	3996.3	3626.3	3388.7	3219.6	3165.7
6297.1	10°	6132.9	5919.7	5348.8	4621.1	3834.6	3307.8	2910.9	2724.6	2609.5	2570.3
6576.4	12.5°	6360.8	6069.2	5248.4	4211.9	3241.6	2734.4	2482.1	2389.0	2352.2	2340.0
6919.4	15°	6647.4	6255.4	5096.5	3726.8	2739.3	2384.1	2276.3	2264.0	2268.9	2264.0
7331.1	17.5°	6988.0	6458.8	4849.0	3226.9	2401.2	2205.2	2166.0	2175.8	2188.0	2185.6
7791.7	20°	7360.5	6659.7	4532.9	2783.4	2170.9	2077.8	2055.7	2065.5	2075.3	2070.4
8323.4	22.5°	7784.3	6875.3	4182.5	2438.0	2016.5	1960.2	1935.7	1938.1	1938.1	1928.3
8997.2	25°	8291.5	7113.0	3815.0	2192.9	1898.9	1854.8	1825.4	1815.6	1800.9	1771.5
9815.6	27.5°	8896.7	7365.4	3462.2	2021.4	1805.8	1764.2	1729.9	1705.4	1668.6	1619.6
10798.1	30°	9577.9	7671.6	3163.2	1913.6	1732.3	1690.7	1651.4	1614.7	1560.8	1499.5
11927.7	32.5°	10379.1	8000.0	2945.2	1842.6	1666.1	1622.0	1575.5	1531.4	1472.6	1411.3
13196.9	35°	11334.7	8396.9	2817.8	1793.6	1614.7	1555.9	1504.4	1455.4	1411.3	1357.4
14576.3	37.5°	12371.1	8818.3	2778.5	1769.1	1580.4	1489.7	1430.9	1396.6	1391.7	1359.9
16068.5	40°	13505.6	9318.2	2807.9	1754.4	1543.6	1426.0	1362.3	1355.0	1367.2	1310.9
17663.6	42.5°	14706.2	9911.1	2857.0	1737.2	1492.2	1362.3	1301.1	1301.1	1291.3	1212.9
19349.4	45°	16004.8	10594.7	2906.0	1695.6	1430.9	1298.6	1252.1	1234.9	1193.3	1117.3
21044.9	47.5°	17313.2	11290.6	2942.7	1619.6	1357.4	1244.7	1203.1	1163.9	1102.6	1034.0
22708.6	50°	18555.5	11915.4	2903.5	1506.9	1274.1	1193.3	1149.2	1095.2	1029.1	982.5
24284.1	52.5°	19665.4	12456.9	2736.9	1374.6	1185.9	1139.4	1100.1	1043.8	989.9	940.9
25705.2	55°	20630.8	12895.5	2442.9	1249.6	1107.5	1092.8	1053.6	982.5	909.0	867.4
27114.1	57.5°	21557.0	13228.7	2075.3	1146.7	1036.4	1041.3	982.5	918.8	850.2	806.1
29013.0	60°	22789.5	13674.7	1702.9	1051.1	960.5	975.2	911.5	864.9	779.2	722.8
32269.4	62.5°	24759.4	14368.1	1352.5	933.5	872.3	877.2	850.2	793.9	691.0	624.8
34682.8	65°	26322.7	14113.3	1065.8	806.1	771.8	779.2	779.2	717.9	607.7	531.7
34812.7	67.5°	26146.3	12084.5	850.2	681.2	676.3	681.2	698.3	646.9	539.0	477.8
32161.6	70°	24085.6	9612.2	681.2	566.0	588.1	575.8	624.8	590.5	485.1	423.9
24933.4	72.5°	19653.2	6924.3	519.4	468.0	450.8	470.4	563.6	531.7	404.3	335.7
13206.7	75°	11484.2	3694.9	387.1	370.0	325.9	392.0	499.8	453.3	308.7	247.5
4047.8	77.5°	3739.0	1288.8	284.2	272.0	242.6	316.1	426.3	382.2	252.4	196.0
1185.9	80°	1002.1	389.6	193.6	178.9	156.8	235.2	338.1	303.8	181.3	127.4
509.6	82.5°	401.8	164.2	112.7	100.5	85.8	161.7	267.1	245.0	134.8	80.9
159.3	85°	129.9	53.9	41.7	31.9	39.2	100.5	159.3	166.6	95.6	41.7
24.5	87.5°	17.2	7.4	7.4	9.8	7.4	17.2	49.0	46.6	27.0	4.9
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°
5638.0
4971.5
4023.3
3111.8
2540.9
2332.6
2261.6
2180.7
2068.0
1923.4
1766.6
1614.7
1494.6
1413.8
1352.5
1357.4
1313.3
1212.9
1114.8
1031.5
975.2
936.0
862.5
801.2
715.5
619.9
524.3
468.0
416.5
328.3
240.1
188.7
125.0
80.9
31.9
0.0
0.0

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