

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: P848265

Luminaire Tested: **GLAN-SB4D-730-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848265  
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-SB4D-730-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3000K, 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: 28768 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

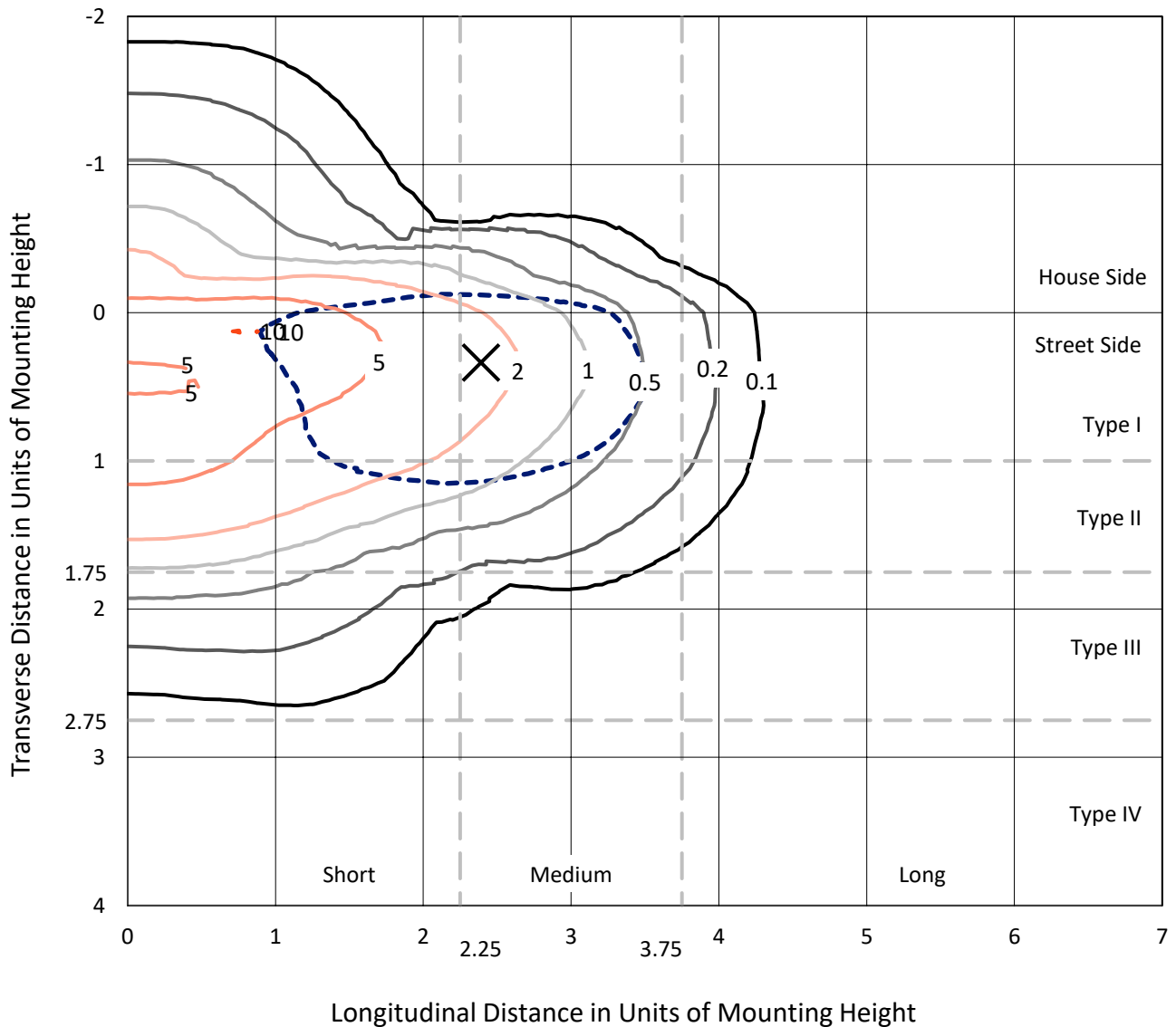
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

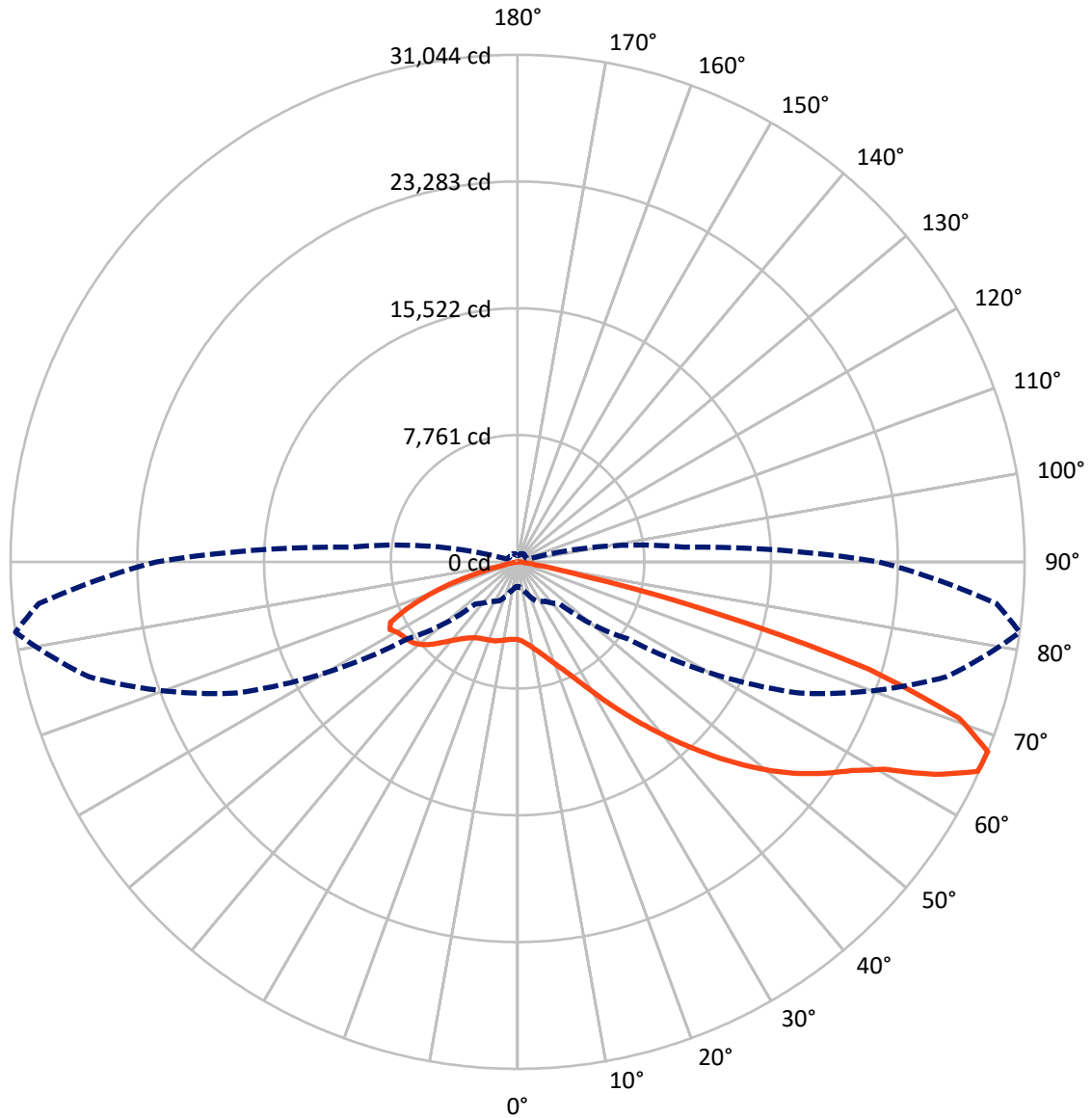
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	5211.1	0.0	5211.1
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	23556.9	0.0	23556.9
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	28768.0	0.0	28768.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	424.6	1.5
10°-20°	1103.4	3.8
20°-30°	1767.3	6.1
30°-40°	3125.0	10.9
40°-50°	5475.4	19.0
50°-60°	7302.6	25.4
60°-70°	6798.4	23.6
70°-80°	2609.2	9.1
80°-90°	162.1	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°	28768.0	100.0
0°-180°	28768.0	100.0

**Coefficient of Utilization**

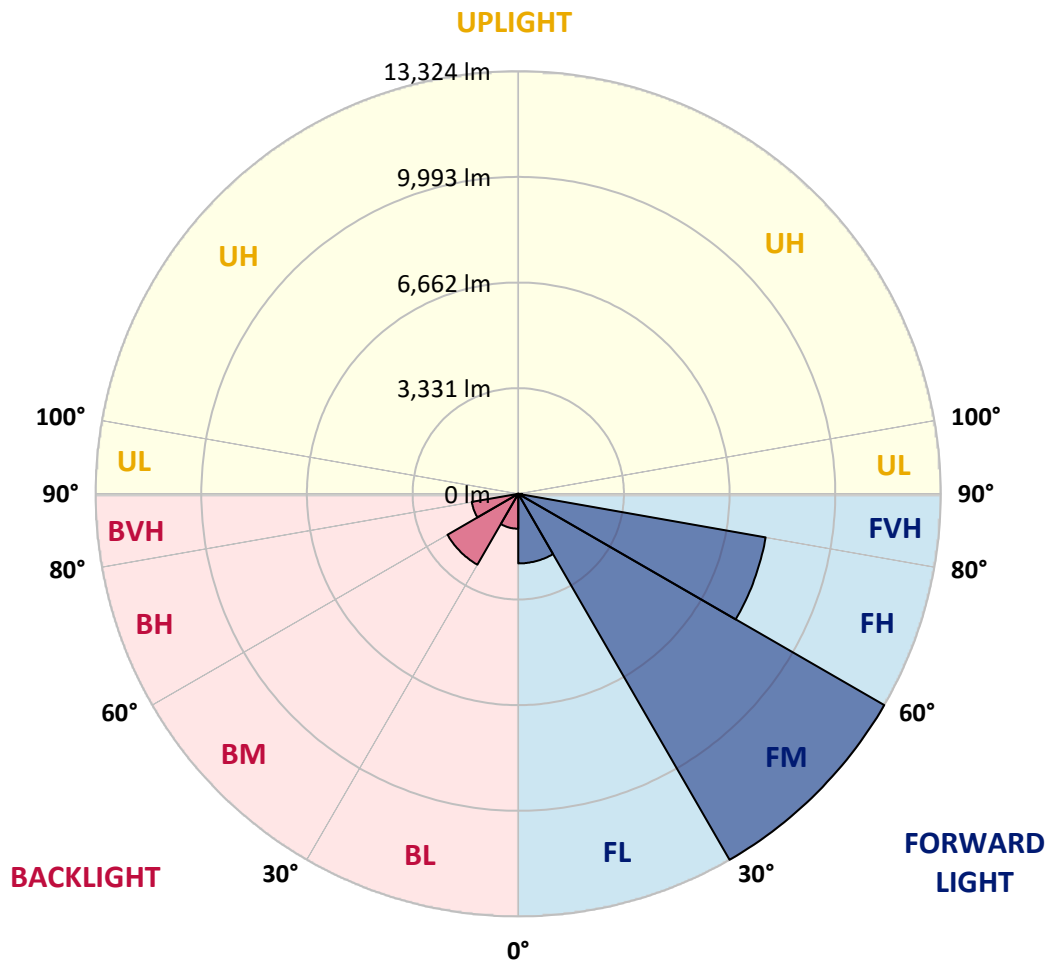


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2194.7	7.6			
FM (30°-60°)	13324.2	46.3			
FH (60°-80°)	7920.3	27.5			G4/12000
FVH (80°-90°)	117.8	0.4			G2/225
BL (0°-30°)	1100.6	3.8	B3/2500		
BM (30°-60°)	2578.9	9.0	B3/5000		
BH (60°-80°)	1487.3	5.2	B3/2500		G3/2500
BVH (80°-90°)	44.2	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°	4765.9	4765.9	4765.9	4765.9	4765.9	4765.9	4765.9	4765.9	4765.9	4765.9
2.5°	5037.2	5066.2	5049.6	5041.4	5026.9	5006.1	4989.6	4937.8	4883.9	4848.7
5°	5138.7	5167.7	5165.6	5173.9	5184.3	5190.5	5186.3	5128.3	5051.7	4991.6
7.5°	5051.7	5084.9	5111.8	5153.2	5225.7	5302.3	5339.6	5327.2	5248.5	5165.6
10°	4805.2	4840.4	4904.7	5002.0	5155.3	5321.0	5459.7	5524.0	5474.2	5383.1
12.5°	4353.7	4388.9	4515.3	4726.5	4983.4	5271.3	5536.4	5708.3	5720.7	5629.6
15°	3846.3	3881.5	4016.1	4281.2	4672.7	5134.6	5577.8	5903.0	6012.8	5934.1
17.5°	3531.4	3562.5	3664.0	3877.3	4285.4	4861.2	5563.3	6110.1	6360.7	6298.6
20°	3436.2	3463.1	3510.7	3659.9	3999.5	4577.4	5468.0	6304.8	6735.6	6700.4
22.5°	3537.6	3562.5	3577.0	3643.3	3856.6	4391.0	5347.9	6503.6	7170.6	7174.7
25°	3771.7	3796.6	3780.0	3821.4	3914.6	4333.0	5302.3	6737.7	7717.4	7762.9
27.5°	4156.9	4159.0	4119.7	4117.6	4132.1	4420.0	5350.0	6988.3	8407.1	8492.0
30°	4929.5	4898.4	4747.2	4583.6	4509.1	4681.0	5482.5	7284.5	9221.1	9372.3
32.5°	6120.5	6074.9	5797.4	5405.9	5012.4	5101.4	5720.7	7622.1	10107.6	10381.0
35°	7412.9	7400.5	7110.5	6528.5	5840.8	5700.0	6108.0	8065.3	11074.8	11509.8
37.5°	8614.2	8608.0	8442.3	7756.7	6920.0	6534.7	6729.4	8645.3	12110.4	12740.1
40°	9712.0	9730.6	9564.9	8951.8	8108.8	7605.5	7574.5	9361.9	13262.0	14080.2
42.5°	10660.6	10681.3	10513.5	10059.9	9283.2	8790.3	8612.1	10240.1	14386.7	15519.7
45°	11304.7	11433.2	11408.3	11045.8	10488.7	9977.1	9859.0	11342.0	15668.8	17046.2
47.5°	11487.0	11605.1	11791.5	11841.2	11501.5	10998.2	11139.0	12669.7	16965.4	18574.7
50°	11037.5	11147.3	11534.6	12050.4	12286.5	12131.2	12383.8	14092.6	18293.0	20099.1
52.5°	10151.1	10262.9	10751.7	11567.8	12530.9	13019.7	13632.8	15494.8	19579.3	21542.8
55°	8869.0	8987.0	9614.6	10538.4	12064.9	13386.3	14674.6	16895.0	20757.8	22841.4
57.5°	7125.0	7212.0	7864.4	9156.9	10892.6	13021.8	15443.0	18423.5	21868.0	24117.3
60°	4643.7	4720.3	5478.4	6920.0	8949.8	11803.9	15596.3	20128.1	23342.7	25776.4
62.5°	3088.2	3140.0	3589.4	4647.8	6302.7	9465.5	14699.5	21488.9	25505.0	28663.7
65°	2118.9	2170.6	2620.1	3357.5	4072.0	6261.3	12120.8	21308.7	27464.4	30956.5
67.5°	1512.0	1555.5	1936.6	2632.5	2947.4	3637.1	8216.5	19005.5	27182.7	31043.5
70°	1083.2	1108.1	1422.9	2050.5	2342.6	2185.1	4569.1	14535.8	23800.4	28665.7
72.5°	758.1	766.4	988.0	1561.7	1886.9	1594.8	2174.8	9691.3	18001.0	22499.7
75°	513.7	524.0	664.9	1145.4	1514.1	1217.9	1151.6	5196.7	10567.4	12454.3
77.5°	314.8	319.0	428.7	782.9	1133.0	927.9	741.5	2201.7	4088.6	4014.0
80°	178.1	178.1	273.4	486.7	772.6	598.6	519.9	936.2	1294.5	1137.1
82.5°	99.4	101.5	198.8	302.4	511.6	354.2	285.8	432.9	559.2	495.0
85°	41.4	45.6	122.2	142.9	244.4	176.1	116.0	182.3	207.1	184.3
87.5°	4.1	6.2	37.3	26.9	29.0	35.2	16.6	35.2	29.0	29.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4765.9	0°	4765.9	4765.9	4765.9	4765.9	4765.9	4765.9	4765.9	4765.9	4765.9	4765.9
4836.3	2.5°	4797.0	4765.9	4687.2	4596.0	4475.9	4417.9	4339.2	4285.4	4239.8	4243.9
4956.4	5°	4890.2	4811.5	4635.4	4415.8	4142.4	3947.8	3740.6	3597.7	3481.7	3456.9
5122.1	7.5°	5018.6	4894.3	4585.7	4190.1	3728.2	3378.2	3065.4	2864.5	2721.6	2676.0
5323.0	10°	5184.3	5004.1	4521.5	3906.3	3241.5	2796.2	2460.6	2303.2	2205.9	2172.7
5559.2	12.5°	5376.9	5130.4	4436.6	3560.4	2740.2	2311.5	2098.1	2019.4	1988.4	1978.0
5849.1	15°	5619.2	5287.8	4308.1	3150.3	2315.6	2015.3	1924.2	1913.8	1918.0	1913.8
6197.1	17.5°	5907.1	5459.7	4099.0	2727.8	2029.8	1864.1	1831.0	1839.2	1849.6	1847.5
6586.5	20°	6222.0	5629.6	3831.8	2352.9	1835.1	1756.4	1737.8	1746.0	1754.3	1750.2
7035.9	22.5°	6580.3	5811.9	3535.6	2060.9	1704.6	1657.0	1636.3	1638.3	1638.3	1630.1
7605.5	25°	7009.0	6012.8	3224.9	1853.7	1605.2	1567.9	1543.1	1534.8	1522.3	1497.5
8297.3	27.5°	7520.6	6226.1	2926.6	1708.8	1526.5	1491.3	1462.3	1441.6	1410.5	1369.1
9127.9	30°	8096.4	6485.0	2673.9	1617.6	1464.4	1429.1	1396.0	1364.9	1319.4	1267.6
10082.7	32.5°	8773.7	6762.5	2489.6	1557.6	1408.4	1371.1	1331.8	1294.5	1244.8	1193.0
11155.6	35°	9581.5	7098.1	2381.9	1516.1	1364.9	1315.2	1271.7	1230.3	1193.0	1147.5
12321.7	37.5°	10457.6	7454.3	2348.8	1495.4	1335.9	1259.3	1209.6	1180.6	1176.5	1149.5
13583.1	40°	11416.6	7876.9	2373.6	1483.0	1304.9	1205.5	1151.6	1145.4	1155.7	1108.1
14931.4	42.5°	12431.5	8378.1	2415.0	1468.5	1261.4	1151.6	1099.8	1099.8	1091.5	1025.3
16356.4	45°	13529.2	8956.0	2456.5	1433.3	1209.6	1097.7	1058.4	1043.9	1008.7	944.5
17789.7	47.5°	14635.3	9544.2	2487.5	1369.1	1147.5	1052.2	1017.0	983.8	932.1	874.1
19196.1	50°	15685.4	10072.4	2454.4	1273.8	1077.0	1008.7	971.4	925.8	869.9	830.6
20527.9	52.5°	16623.6	10530.1	2313.6	1162.0	1002.5	963.1	930.0	882.3	836.8	795.3
21729.2	55°	17439.7	10900.8	2065.0	1056.3	936.2	923.8	890.6	830.6	768.4	733.2
22920.2	57.5°	18222.6	11182.5	1754.3	969.3	876.1	880.3	830.6	776.7	718.7	681.4
24525.4	60°	19264.4	11559.5	1439.5	888.6	811.9	824.3	770.5	731.1	658.6	611.0
27278.0	62.5°	20929.7	12145.7	1143.3	789.1	737.4	741.5	718.7	671.1	584.1	528.2
29318.2	65°	22251.1	11930.2	901.0	681.4	652.4	658.6	658.6	606.9	513.7	449.5
29427.9	67.5°	22102.0	10215.3	718.7	575.8	571.7	575.8	590.3	546.8	455.7	403.9
27186.9	70°	20360.1	8125.4	575.8	478.5	497.1	486.7	528.2	499.2	410.1	358.3
21076.8	72.5°	16613.3	5853.3	439.1	395.6	381.1	397.7	476.4	449.5	341.8	283.8
11163.9	75°	9707.8	3123.4	327.3	312.8	275.5	331.4	422.5	383.2	261.0	209.2
3421.7	77.5°	3160.7	1089.5	240.3	229.9	205.1	267.2	360.4	323.1	213.3	165.7
1002.5	80°	847.1	329.3	163.6	151.2	132.6	198.8	285.8	256.8	153.3	107.7
430.8	82.5°	339.7	138.8	95.3	84.9	72.5	136.7	225.8	207.1	113.9	68.4
134.6	85°	109.8	45.6	35.2	26.9	33.1	84.9	134.6	140.8	80.8	35.2
20.7	87.5°	14.5	6.2	6.2	8.3	6.2	14.5	41.4	39.4	22.8	4.1
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°
4765.9
4202.5
3400.9
2630.5
2147.9
1971.8
1911.7
1843.4
1748.1
1625.9
1493.4
1364.9
1263.4
1195.1
1143.3
1147.5
1110.2
1025.3
942.4
872.0
824.3
791.2
729.1
677.3
604.8
524.0
443.2
395.6
352.1
277.5
203.0
159.5
105.6
68.4
26.9
0.0
0.0

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