

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: P850645

Luminaire Tested: **GLAN-SB8B-730-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850645  
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-SB8B-730-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 450mA 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: 32118 lumens  
Efficiency: N/A  
Efficacy: 109.7 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

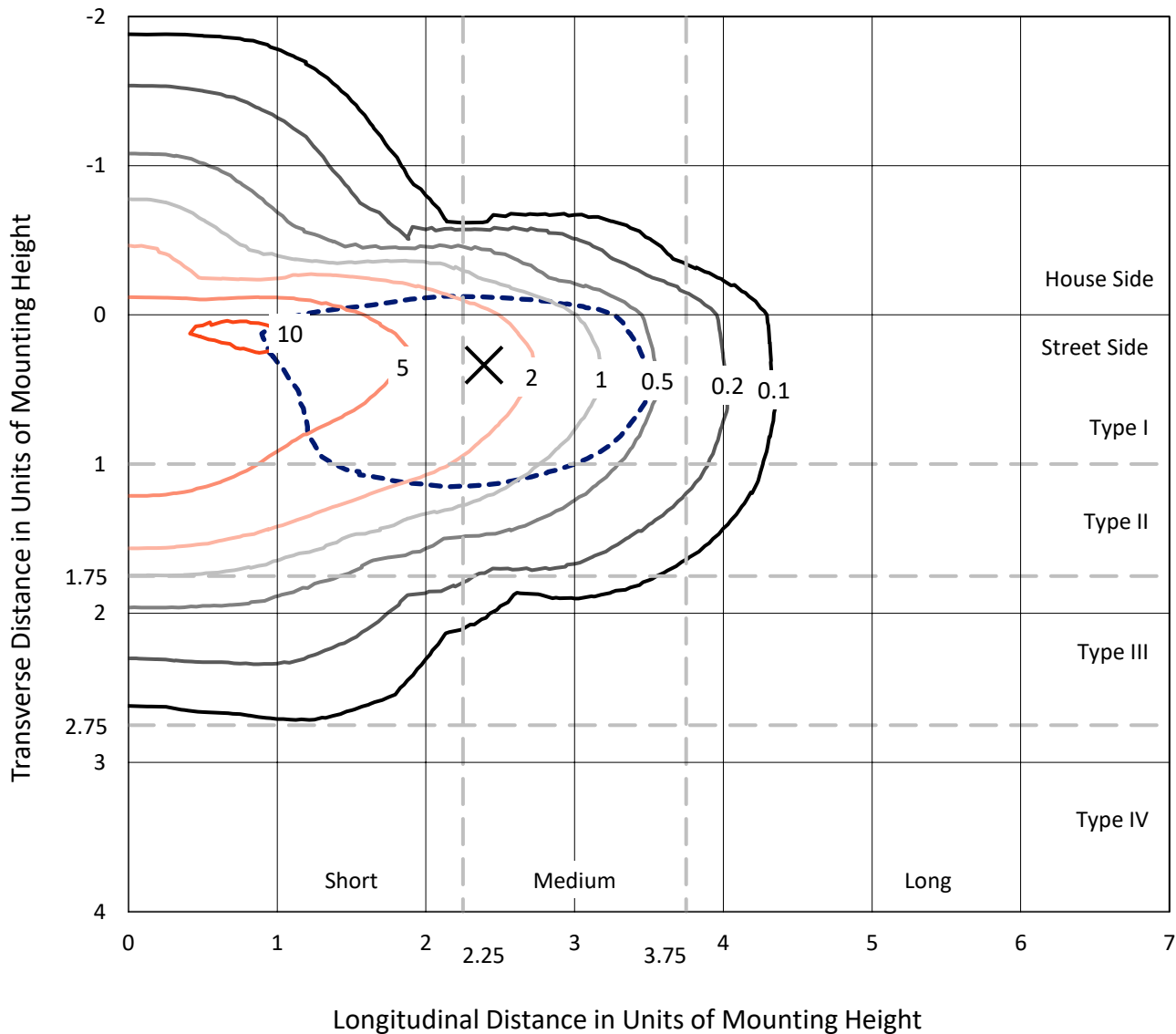
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

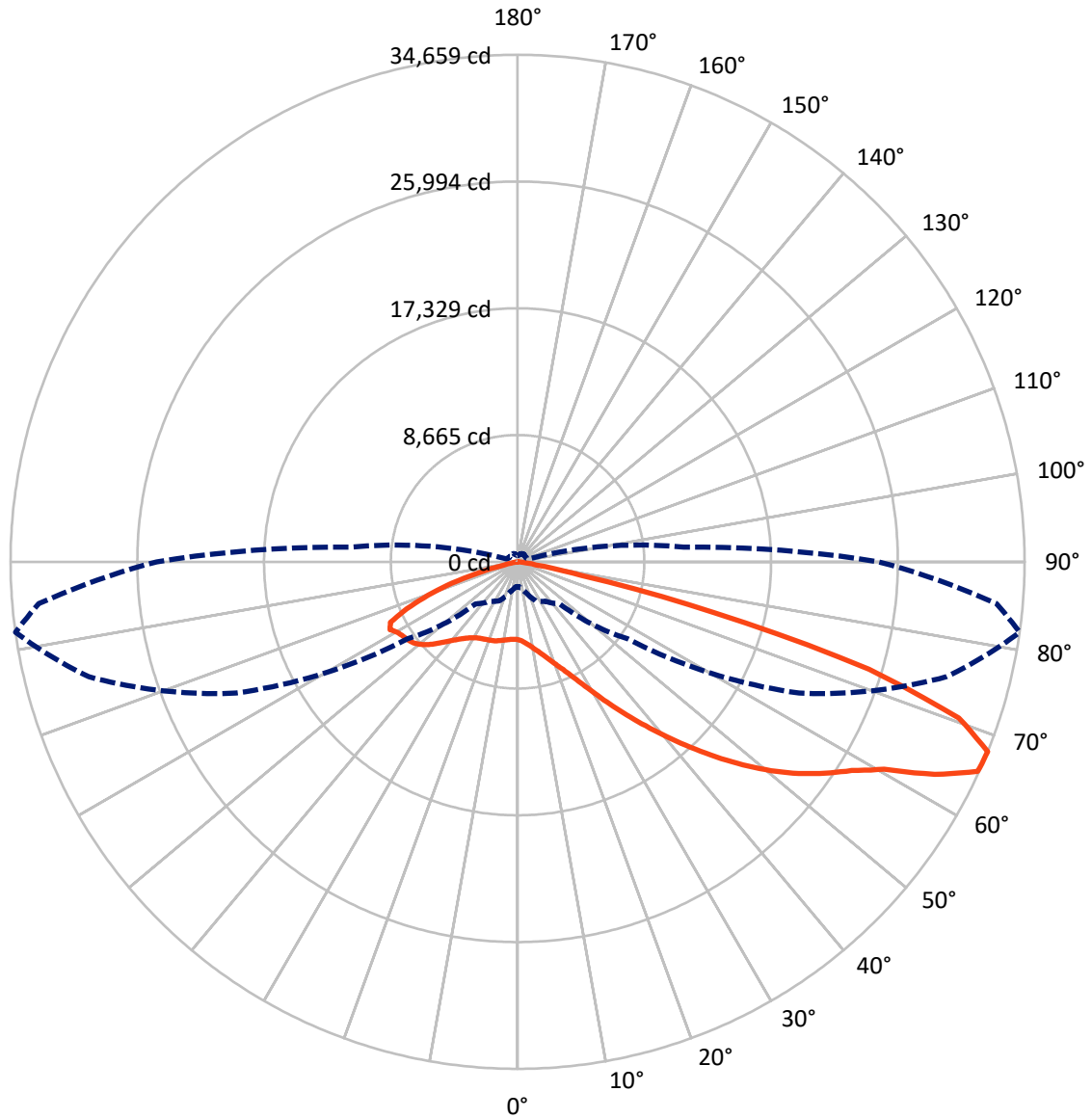
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 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	5817.9	0.0	5817.9
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	26300.1	0.0	26300.1
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	32118.0	0.0	32118.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	474.1	1.5
10°-20°	1231.9	3.8
20°-30°	1973.1	6.1
30°-40°	3489.0	10.9
40°-50°	6113.0	19.0
50°-60°	8153.0	25.4
60°-70°	7590.0	23.6
70°-80°	2913.1	9.1
80°-90°	180.9	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°	32118.0	100.0
0°-180°	32118.0	100.0

**Coefficient of Utilization**

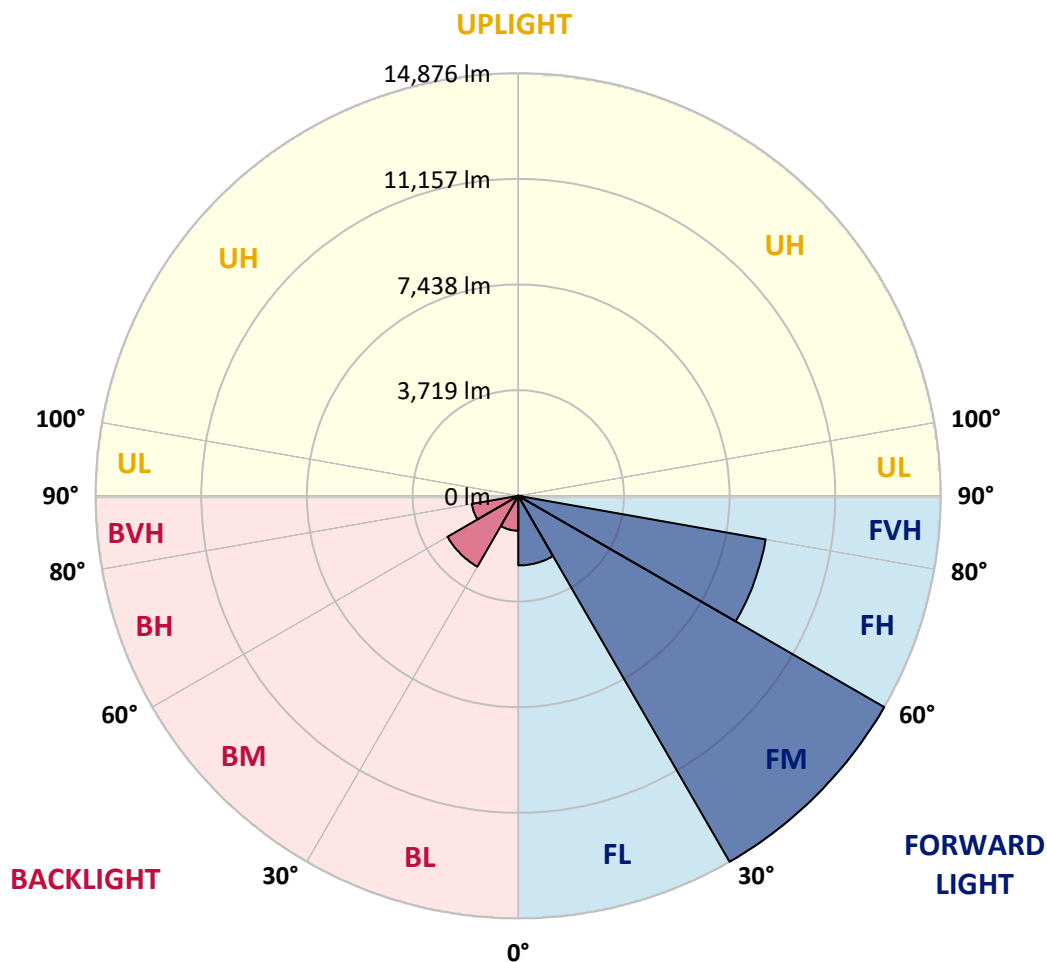


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2450.2	7.6			
FM (30°-60°)	14875.7	46.3			
FH (60°-80°)	8842.6	27.5			G4/12000
FVH (80°-90°)	131.5	0.4			G2/225
BL (0°-30°)	1228.7	3.8	B3/2500		
BM (30°-60°)	2879.2	9.0	B3/5000		
BH (60°-80°)	1660.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	49.4	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°	5320.9	5320.9	5320.9	5320.9	5320.9	5320.9	5320.9	5320.9	5320.9	5320.9
2.5°	5623.8	5656.2	5637.7	5628.4	5612.2	5589.1	5570.6	5512.8	5452.7	5413.4
5°	5737.1	5769.5	5767.2	5776.4	5788.0	5794.9	5790.3	5725.5	5640.0	5572.9
7.5°	5640.0	5677.0	5707.0	5753.3	5834.2	5919.8	5961.4	5947.5	5859.7	5767.2
10°	5364.8	5404.1	5475.8	5584.5	5755.6	5940.6	6095.5	6167.2	6111.7	6010.0
12.5°	4860.7	4900.0	5041.1	5276.9	5563.7	5885.1	6181.1	6373.0	6386.9	6285.1
15°	4294.2	4333.5	4483.8	4779.8	5216.8	5732.5	6227.3	6590.4	6712.9	6625.1
17.5°	3942.7	3977.4	4090.7	4328.8	4784.4	5427.2	6211.1	6821.6	7101.4	7032.1
20°	3836.3	3866.4	3919.5	4086.0	4465.3	5110.4	6104.8	7039.0	7520.0	7480.7
22.5°	3949.6	3977.4	3993.5	4067.5	4305.7	4902.3	5970.7	7261.0	8005.6	8010.2
25°	4210.9	4238.7	4220.2	4266.4	4370.5	4837.6	5919.8	7522.3	8616.1	8666.9
27.5°	4641.0	4643.3	4599.4	4597.1	4613.3	4934.7	5973.0	7802.1	9386.1	9480.9
30°	5503.5	5468.9	5300.1	5117.4	5034.1	5226.1	6121.0	8132.8	10294.9	10463.7
32.5°	6833.2	6782.3	6472.4	6035.4	5596.0	5695.5	6386.9	8509.7	11284.6	11589.8
35°	8276.1	8262.3	7938.5	7288.7	6521.0	6363.8	6819.3	9004.5	12364.5	12850.1
37.5°	9617.3	9610.4	9425.4	8660.0	7725.8	7295.7	7513.0	9652.0	13520.7	14223.7
40°	10842.9	10863.7	10678.7	9994.3	9053.1	8491.2	8456.5	10452.1	14806.4	15719.8
42.5°	11902.0	11925.1	11737.8	11231.4	10364.2	9813.9	9615.0	11432.6	16062.0	17326.9
45°	12621.2	12764.5	12736.8	12332.1	11710.1	11138.9	11007.1	12662.8	17493.4	19031.2
47.5°	12824.7	12956.5	13164.6	13220.1	12840.8	12278.9	12436.2	14145.0	18941.0	20737.7
50°	12322.9	12445.4	12877.8	13453.6	13717.2	13543.8	13825.9	15733.7	20423.2	22439.7
52.5°	11333.1	11458.0	12003.7	12914.8	13990.1	14535.8	15220.3	17299.2	21859.3	24051.4
55°	9901.8	10033.6	10734.2	11765.6	13469.8	14945.1	16383.5	18862.4	23175.0	25501.3
57.5°	7954.7	8051.8	8780.2	10223.2	12161.0	14538.1	17241.4	20568.9	24414.5	26925.8
60°	5184.4	5270.0	6116.3	7725.8	9991.9	13178.5	17412.5	22472.0	26060.9	28778.0
62.5°	3447.8	3505.6	4007.4	5189.1	7036.7	10567.7	16411.2	23991.3	28475.1	32001.5
65°	2365.6	2423.4	2925.2	3748.4	4546.2	6990.4	13532.2	23790.1	30662.6	34561.3
67.5°	1688.1	1736.6	2162.1	2939.1	3290.6	4060.6	9173.3	21218.7	30348.1	34658.5
70°	1209.4	1237.1	1588.6	2289.3	2615.3	2439.6	5101.2	16228.5	26572.0	32003.8
72.5°	846.3	855.6	1103.0	1743.6	2106.6	1780.6	2428.0	10819.8	20097.2	25119.8
75°	573.5	585.0	742.3	1278.8	1690.4	1359.7	1285.7	5801.8	11797.9	13904.5
77.5°	351.5	356.1	478.7	874.1	1264.9	1036.0	827.8	2458.1	4564.7	4481.5
80°	198.9	198.9	305.2	543.4	862.5	668.3	580.4	1045.2	1445.3	1269.5
82.5°	111.0	113.3	222.0	337.6	571.2	395.4	319.1	483.3	624.4	552.7
85°	46.2	50.9	136.4	159.6	272.9	196.6	129.5	203.5	231.2	205.8
87.5°	4.6	6.9	41.6	30.1	32.4	39.3	18.5	39.3	32.4	32.4
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°
5320.9	0°	5320.9	5320.9	5320.9	5320.9	5320.9	5320.9	5320.9	5320.9	5320.9	5320.9
5399.5	2.5°	5355.6	5320.9	5233.0	5131.2	4997.1	4932.4	4844.5	4784.4	4733.5	4738.1
5533.6	5°	5459.6	5371.7	5175.2	4930.1	4624.8	4407.5	4176.2	4016.7	3887.2	3859.4
5718.6	7.5°	5603.0	5464.2	5119.7	4678.0	4162.3	3771.5	3422.4	3198.1	3038.5	2987.6
5942.9	10°	5788.0	5586.8	5048.0	4361.2	3618.9	3121.8	2747.1	2571.4	2462.7	2425.7
6206.5	12.5°	6003.0	5727.9	4953.2	3975.0	3059.3	2580.7	2342.5	2254.6	2219.9	2208.4
6530.3	15°	6273.6	5903.6	4809.8	3517.2	2585.3	2250.0	2148.2	2136.7	2141.3	2136.7
6918.7	17.5°	6595.0	6095.5	4576.3	3045.4	2266.2	2081.2	2044.2	2053.4	2065.0	2062.7
7353.5	20°	6946.5	6285.1	4278.0	2626.9	2048.8	1960.9	1940.1	1949.4	1958.6	1954.0
7855.3	22.5°	7346.5	6488.6	3947.3	2300.9	1903.1	1849.9	1826.8	1829.1	1829.1	1819.9
8491.2	25°	7825.2	6712.9	3600.4	2069.6	1792.1	1750.5	1722.7	1713.5	1699.6	1671.9
9263.5	27.5°	8396.4	6951.1	3267.4	1907.7	1704.2	1664.9	1632.6	1609.4	1574.8	1528.5
10190.8	30°	9039.2	7240.2	2985.3	1806.0	1634.9	1595.6	1558.6	1523.9	1473.0	1415.2
11256.8	32.5°	9795.4	7550.0	2779.5	1738.9	1572.4	1530.8	1486.9	1445.3	1389.8	1332.0
12454.7	35°	10697.2	7924.6	2659.3	1692.7	1523.9	1468.4	1419.8	1373.6	1332.0	1281.1
13756.6	37.5°	11675.4	8322.4	2622.3	1669.6	1491.5	1405.9	1350.5	1318.1	1313.5	1283.4
15164.8	40°	12746.0	8794.1	2650.0	1655.7	1456.8	1345.8	1285.7	1278.8	1290.3	1237.1
16670.2	42.5°	13879.1	9353.7	2696.3	1639.5	1408.3	1285.7	1227.9	1227.9	1218.6	1144.6
18261.1	45°	15104.7	9998.9	2742.5	1600.2	1350.5	1225.6	1181.6	1165.5	1126.1	1054.5
19861.3	47.5°	16339.5	10655.6	2777.2	1528.5	1281.1	1174.7	1135.4	1098.4	1040.6	975.8
21431.5	50°	17511.9	11245.3	2740.2	1422.1	1202.5	1126.1	1084.5	1033.6	971.2	927.3
22918.3	52.5°	18559.4	11756.3	2583.0	1297.3	1119.2	1075.3	1038.3	985.1	934.2	888.0
24259.5	55°	19470.5	12170.2	2305.5	1179.3	1045.2	1031.3	994.3	927.3	857.9	818.6
25589.2	57.5°	20344.6	12484.7	1958.6	1082.2	978.2	982.8	927.3	867.2	802.4	760.8
27381.3	60°	21507.8	12905.6	1607.1	992.0	906.5	920.3	860.2	816.3	735.3	682.2
30454.5	62.5°	23366.9	13560.0	1276.5	881.0	823.2	827.8	802.4	749.2	652.1	589.7
32732.2	65°	24842.3	13319.5	1005.9	760.8	728.4	735.3	735.3	677.5	573.5	501.8
32854.8	67.5°	24675.8	11404.8	802.4	642.9	638.2	642.9	659.0	610.5	508.7	450.9
30352.8	70°	22731.0	9071.6	642.9	534.2	555.0	543.4	589.7	557.3	457.9	400.0
23531.1	72.5°	18547.9	6534.9	490.2	441.7	425.5	444.0	531.9	501.8	381.5	316.8
12463.9	75°	10838.3	3487.1	365.4	349.2	307.6	370.0	471.7	427.8	291.4	233.6
3820.1	77.5°	3528.7	1216.3	268.2	256.7	228.9	298.3	402.4	360.7	238.2	185.0
1119.2	80°	945.8	367.7	182.7	168.8	148.0	222.0	319.1	286.7	171.1	120.2
481.0	82.5°	379.2	154.9	106.4	94.8	80.9	152.6	252.1	231.2	127.2	76.3
150.3	85°	122.6	50.9	39.3	30.1	37.0	94.8	150.3	157.2	90.2	39.3
23.1	87.5°	16.2	6.9	6.9	9.2	6.9	16.2	46.2	43.9	25.4	4.6
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°
5320.9
4691.9
3797.0
2936.8
2398.0
2201.4
2134.4
2058.0
1951.7
1815.2
1667.3
1523.9
1410.6
1334.3
1276.5
1281.1
1239.5
1144.6
1052.1
973.5
920.3
883.3
814.0
756.2
675.2
585.0
494.9
441.7
393.1
309.9
226.6
178.1
117.9
76.3
30.1
0.0
0.0

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