

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: P850646

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

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850646  
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-SB8B-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43582 lumens  
Efficiency: N/A  
Efficacy: 148.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5

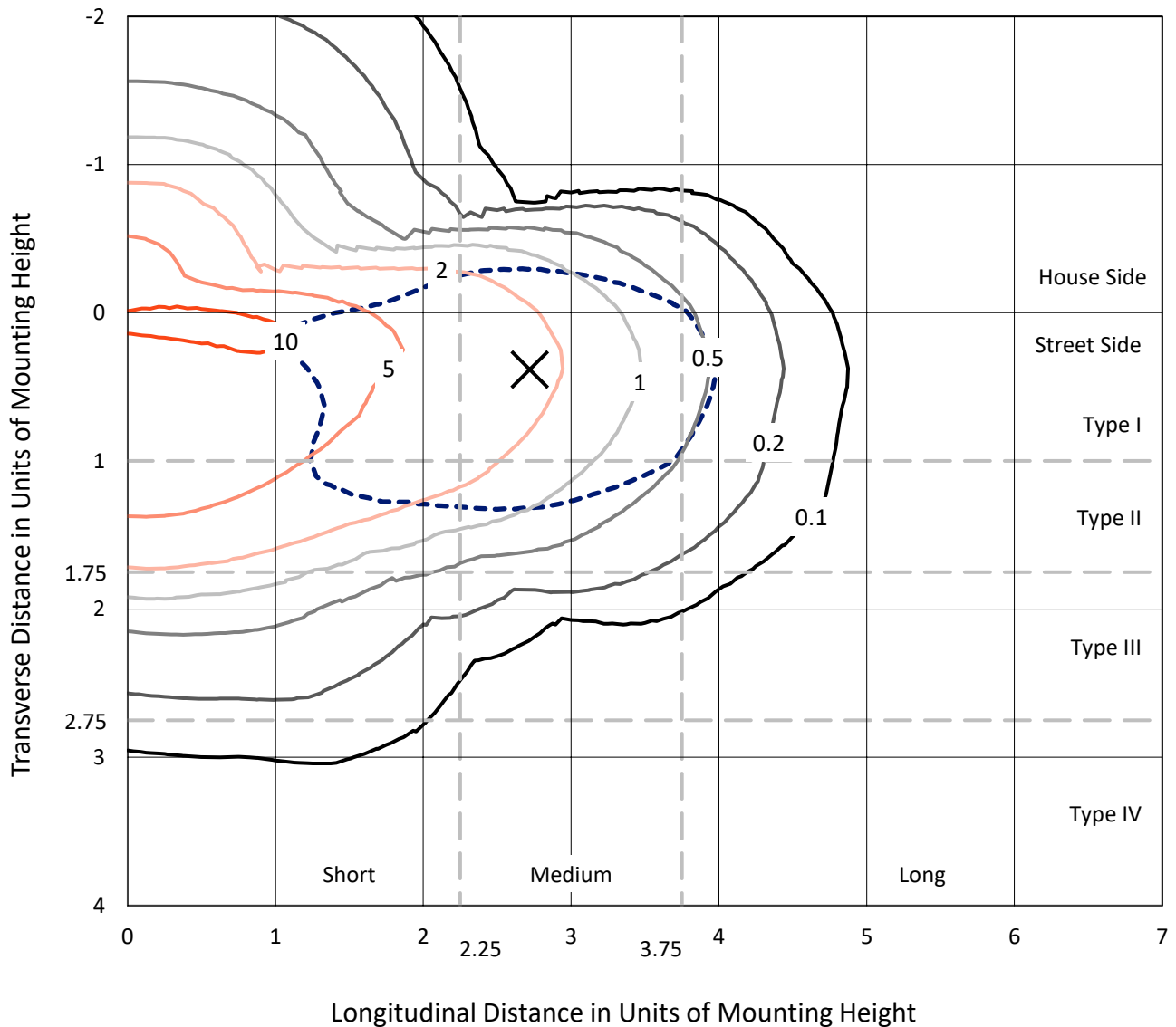
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

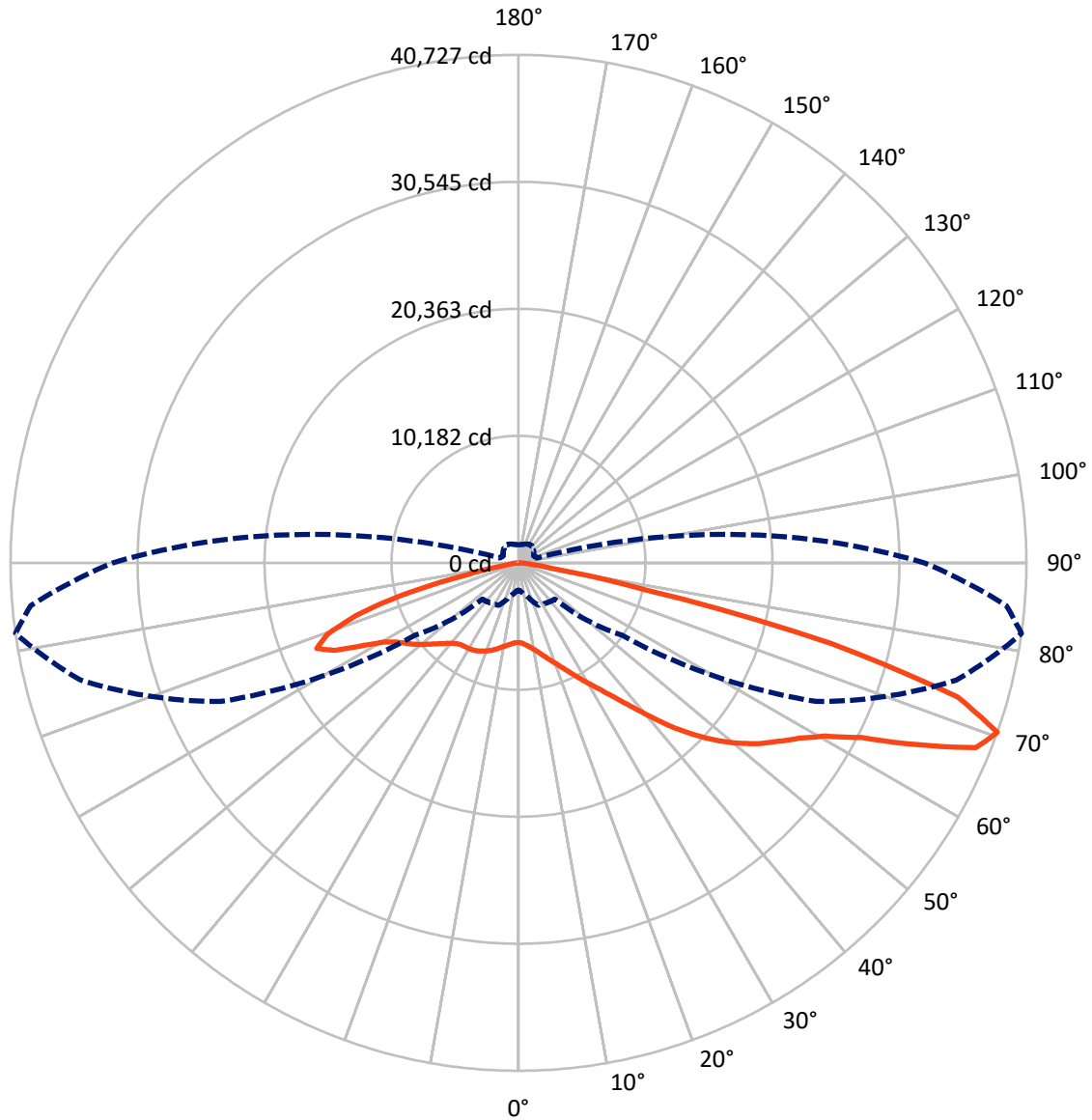
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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	10744.0	0.0	10744.0
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	32838.0	0.0	32838.0
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	43582.0	0.0	43582.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	603.3	1.4
10°-20°	1733.3	4.0
20°-30°	2899.7	6.7
30°-40°	4530.0	10.4
40°-50°	7214.6	16.6
50°-60°	10039.9	23.0
60°-70°	10502.2	24.1
70°-80°	5489.0	12.6
80°-90°	570.0	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°	43582.0	100.0
0°-180°	43582.0	100.0

**Coefficient of Utilization**



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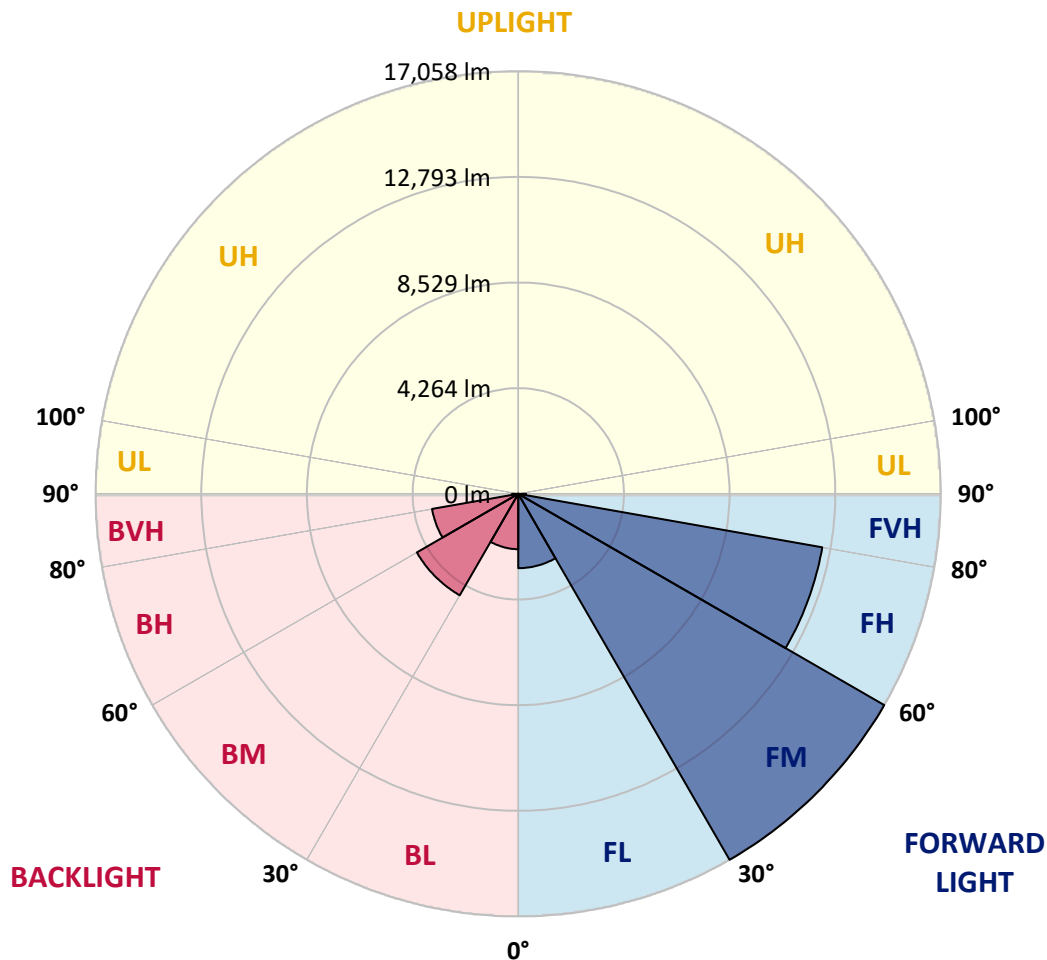
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3001.1	6.9			
FM (30°-60°)	17057.6	39.1			
FH (60°-80°)	12460.2	28.6			G5
FVH (80°-90°)	319.1	0.7			G3/500
BL (0°-30°)	2235.2	5.1	B3/2500		
BM (30°-60°)	4726.9	10.8	B3/5000		
BH (60°-80°)	3531.0	8.1	B4/5000		G4/5000
BVH (80°-90°)	250.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7
2.5°	6542.3	6579.3	6567.7	6556.2	6556.2	6540.0	6537.7	6514.5	6496.0	6466.0
5°	6625.5	6664.9	6660.2	6669.5	6699.6	6706.5	6713.4	6699.6	6662.6	6625.5
7.5°	6551.5	6595.5	6609.4	6664.9	6757.4	6840.6	6903.1	6928.5	6893.8	6840.6
10°	6301.8	6350.4	6398.9	6530.7	6694.9	6891.5	7058.0	7157.4	7150.5	7099.6
12.5°	5795.3	5846.2	5950.3	6207.0	6507.6	6854.5	7164.4	7372.5	7444.2	7407.2
15°	5390.6	5434.6	5513.2	5776.8	6167.7	6694.9	7203.7	7608.4	7791.1	7770.3
17.5°	5379.1	5397.6	5446.1	5571.0	5871.6	6445.2	7162.1	7839.7	8188.9	8186.5
20°	5582.6	5589.5	5617.3	5642.7	5813.8	6255.5	7055.7	8031.6	8635.2	8635.2
22.5°	5864.7	5860.1	5887.8	5864.7	5948.0	6239.3	6988.6	8200.4	9132.4	9169.4
25°	6287.9	6264.8	6257.8	6204.7	6220.8	6389.7	7062.6	8392.4	9722.1	9798.4
27.5°	6852.2	6815.2	6789.7	6667.2	6625.5	6699.6	7289.3	8623.6	10378.9	10510.7
30°	7587.6	7520.5	7483.5	7270.8	7120.4	7132.0	7631.5	8931.2	11065.7	11278.5
32.5°	8591.2	8487.2	8387.7	8038.5	7763.3	7673.1	8073.2	9356.7	11810.4	12150.3
35°	9715.2	9631.9	9525.5	8986.7	8563.5	8355.4	8669.9	9951.0	12682.2	13221.0
37.5°	10797.4	10725.8	10776.6	10050.5	9504.7	9201.8	9451.5	10748.9	13757.6	14553.1
40°	11916.7	11861.2	11868.2	11174.4	10538.4	10198.5	10399.7	11750.2	14990.2	16137.2
42.5°	13133.2	13091.5	12952.8	12337.6	11623.0	11306.2	11491.2	12906.5	16313.0	17941.0
45°	14495.3	14469.8	14340.3	13635.0	12816.3	12460.2	12710.0	14183.1	17642.7	19638.5
47.5°	15672.4	15693.2	15677.0	15082.7	14233.9	13711.3	14009.6	15515.1	18879.9	21234.1
50°	16239.0	16347.6	16507.2	16322.2	15794.9	15263.0	15320.9	16800.9	20059.3	22730.4
52.5°	15942.9	16148.8	16583.5	16879.5	17083.0	16972.0	16817.1	18077.5	21169.4	24080.9
55°	14839.8	15128.9	15850.4	16565.0	17603.4	18410.5	18614.0	19492.8	22251.7	25269.6
57.5°	12830.2	13299.7	13947.2	15392.6	17140.9	19106.6	20709.2	21456.1	23398.7	26539.2
60°	9384.5	10013.5	10818.3	12969.0	15522.1	18734.2	22492.2	24471.8	25029.1	28183.4
62.5°	6005.8	6394.3	7134.3	9160.1	12094.8	16826.4	23037.9	28241.3	27792.6	30879.9
65°	4111.8	4361.5	5039.1	6176.9	7818.8	12524.9	21576.4	31067.2	32181.9	35153.6
67.5°	2987.9	3177.5	3755.6	4752.4	5094.6	7411.8	16743.1	30937.7	36448.6	39556.7
70°	2178.5	2312.6	2798.2	3755.6	3919.8	4123.3	10143.0	26298.7	36356.1	40726.9
72.5°	1614.2	1706.7	2032.8	2913.9	3172.9	2784.3	5020.6	19113.5	31240.7	36837.1
75°	1167.9	1237.2	1477.7	2229.3	2539.2	2120.6	2504.5	11169.8	21791.5	25912.5
77.5°	892.7	945.8	1103.1	1632.7	2032.8	1591.1	1554.1	5138.6	10332.6	10383.5
80°	716.9	751.6	837.2	1149.4	1558.7	1191.0	1012.9	2074.4	3265.4	2763.5
82.5°	527.3	585.1	707.7	807.1	1114.7	821.0	617.5	1047.6	1241.9	1068.4
85°	300.6	339.9	427.8	578.1	712.3	501.8	353.8	464.8	578.1	474.1
87.5°	106.4	138.8	150.3	226.6	309.9	208.1	136.4	134.1	189.6	141.1
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°
6389.7	0°	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7	6389.7
6459.0	2.5°	6435.9	6424.4	6378.1	6315.7	6250.9	6188.5	6167.7	6123.7	6093.7	6077.5
6609.4	5°	6565.4	6528.4	6419.7	6281.0	6135.3	5978.0	5867.0	5765.3	5691.3	5621.9
6815.2	7.5°	6750.4	6685.7	6498.4	6255.5	5996.5	5735.2	5540.9	5392.9	5293.5	5228.7
7055.7	10°	6965.5	6866.1	6579.3	6216.2	5816.1	5441.5	5212.6	5085.4	5022.9	4988.2
7330.9	12.5°	7212.9	7071.9	6662.6	6126.0	5540.9	5113.1	4955.9	4918.9	4921.2	4923.5
7677.8	15°	7518.2	7321.6	6729.6	5929.5	5182.5	4861.0	4833.3	4893.4	4955.9	4985.9
8070.9	17.5°	7862.8	7585.3	6741.2	5605.7	4831.0	4699.2	4787.0	4916.6	5011.4	5053.0
8510.3	20°	8232.8	7853.5	6657.9	5147.8	4541.9	4567.4	4724.6	4891.1	4995.2	5048.4
9012.1	22.5°	8656.0	8140.3	6459.0	4666.8	4306.0	4424.0	4609.0	4770.9	4879.5	4932.7
9601.8	25°	9139.3	8461.7	6146.8	4262.1	4102.5	4262.1	4447.1	4581.2	4669.1	4717.7
10260.9	27.5°	9675.8	8797.1	5730.6	3940.6	3924.5	4095.6	4248.2	4352.3	4398.5	4435.5
10961.6	30°	10214.7	9102.3	5226.4	3697.8	3769.5	3931.4	4040.1	4086.3	4100.2	4107.1
11743.3	32.5°	10797.4	9366.0	4696.9	3496.6	3621.5	3771.8	3836.6	3857.4	3792.6	3748.7
12691.5	35°	11502.8	9648.1	4178.8	3337.1	3475.8	3605.3	3626.1	3607.6	3531.3	3441.1
13880.1	37.5°	12374.6	9999.6	3764.9	3223.7	3339.4	3424.9	3399.5	3394.9	3401.8	3295.4
15309.3	40°	13443.0	10457.5	3461.9	3135.9	3228.4	3246.9	3175.2	3214.5	3249.2	3087.3
16877.2	42.5°	14629.4	11010.2	3270.0	3075.7	3135.9	3091.9	2980.9	3024.9	3020.2	2807.5
18452.1	45°	15838.9	11611.5	3202.9	3031.8	3050.3	2962.4	2839.9	2851.4	2754.3	2562.3
19962.2	47.5°	17041.4	12256.7	3244.6	2994.8	2943.9	2844.5	2749.7	2698.8	2555.4	2412.0
21409.9	50°	18220.8	12934.3	3397.2	2920.8	2798.2	2740.4	2671.0	2580.8	2428.2	2305.6
22778.9	52.5°	19314.7	13616.5	3568.3	2798.2	2615.5	2650.2	2606.3	2502.2	2351.9	2227.0
24074.0	55°	20350.7	14298.7	3635.4	2629.4	2444.4	2571.6	2546.2	2354.2	2173.8	2072.1
25429.2	57.5°	21479.3	15119.7	3561.4	2414.3	2305.6	2481.4	2384.3	2171.5	2067.4	1991.1
27193.7	60°	23042.6	16407.8	3401.8	2148.4	2173.8	2347.3	2180.8	2092.9	1979.6	1894.0
29839.3	62.5°	25639.6	18810.5	3145.1	1884.8	2018.9	2148.4	2083.6	1995.8	1880.1	1796.9
34362.7	65°	29478.5	22149.9	2661.8	1678.9	1845.4	1954.1	1979.6	1891.7	1771.4	1683.6
38326.4	67.5°	32716.1	24245.1	2014.3	1507.8	1667.4	1796.9	1868.6	1783.0	1655.8	1570.2
39253.8	70°	32538.0	22723.4	1537.9	1339.0	1510.1	1641.9	1734.4	1667.4	1530.9	1450.0
35655.4	72.5°	28900.3	19009.4	1244.2	1167.9	1350.5	1480.1	1591.1	1540.2	1401.4	1322.8
26120.6	75°	21231.8	13493.9	994.4	994.4	1151.7	1311.2	1433.8	1401.4	1274.2	1218.7
10966.3	77.5°	8949.7	5661.2	779.3	825.6	957.4	1126.2	1278.9	1290.4	1179.4	1248.8
2900.0	80°	2379.6	1561.0	594.3	649.8	751.6	929.7	1112.4	1107.7	987.5	922.7
1077.7	82.5°	906.5	615.1	423.2	457.9	543.5	712.3	881.1	908.8	788.6	682.2
423.2	85°	349.2	263.6	261.3	275.2	316.8	471.8	666.0	689.1	594.3	504.1
117.9	87.5°	90.2	78.6	97.1	92.5	145.7	252.1	381.6	395.5	363.1	210.4
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°
6389.7
6096.0
5649.6
5242.6
4997.5
4928.1
4983.6
5062.2
5062.2
4946.6
4731.5
4449.4
4123.3
3762.6
3445.7
3302.4
3091.9
2805.2
2569.3
2412.0
2296.4
2229.3
2062.8
1984.2
1889.4
1796.9
1688.2
1572.6
1456.9
1322.8
1202.5
1133.2
858.0
682.2
520.3
300.6
0.0

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