

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: P851657

Luminaire Tested: **GLAN-SB9D-727-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851657  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-727-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 64646 lumens  
Efficiency: N/A  
Efficacy: 98.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

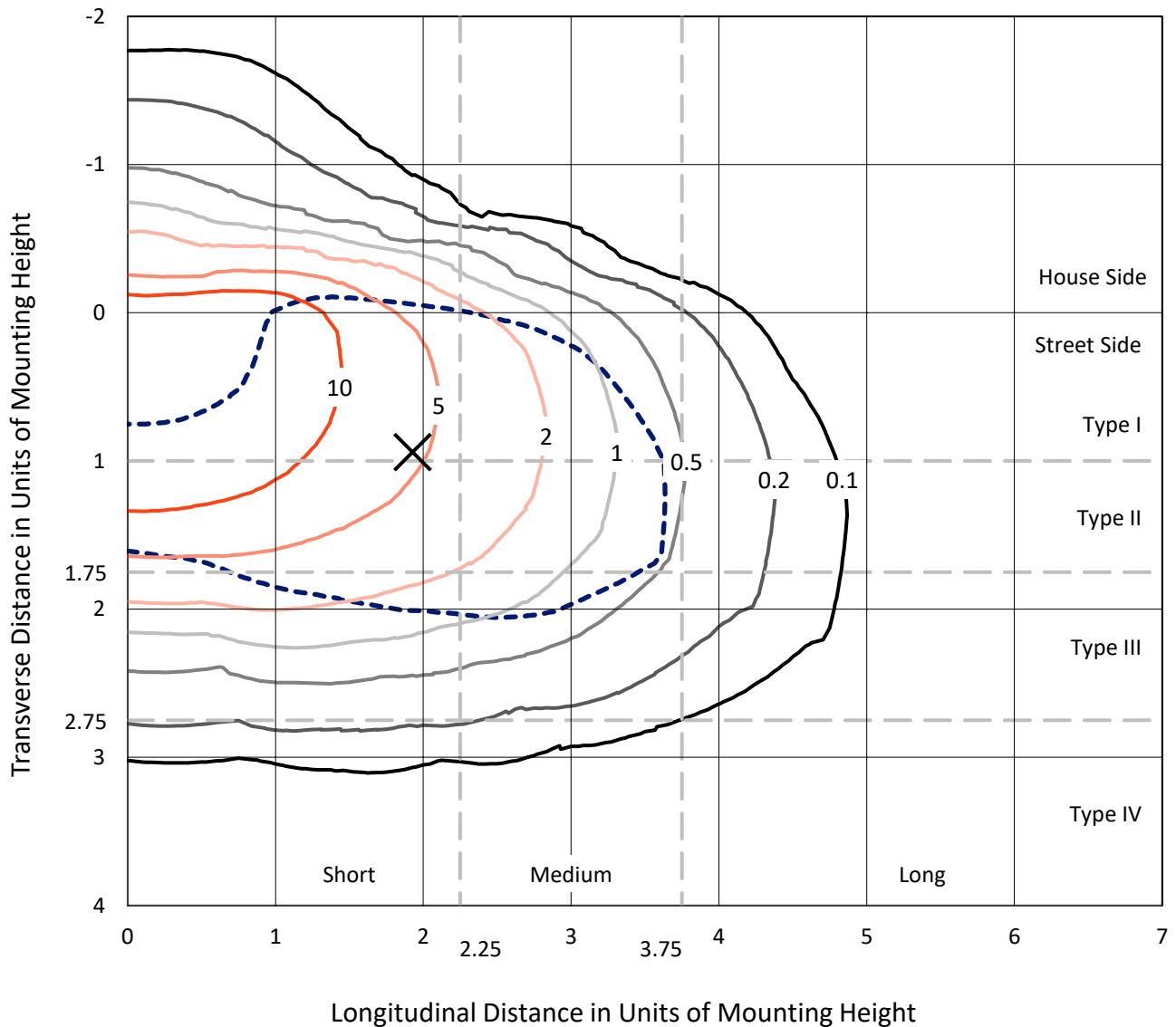
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

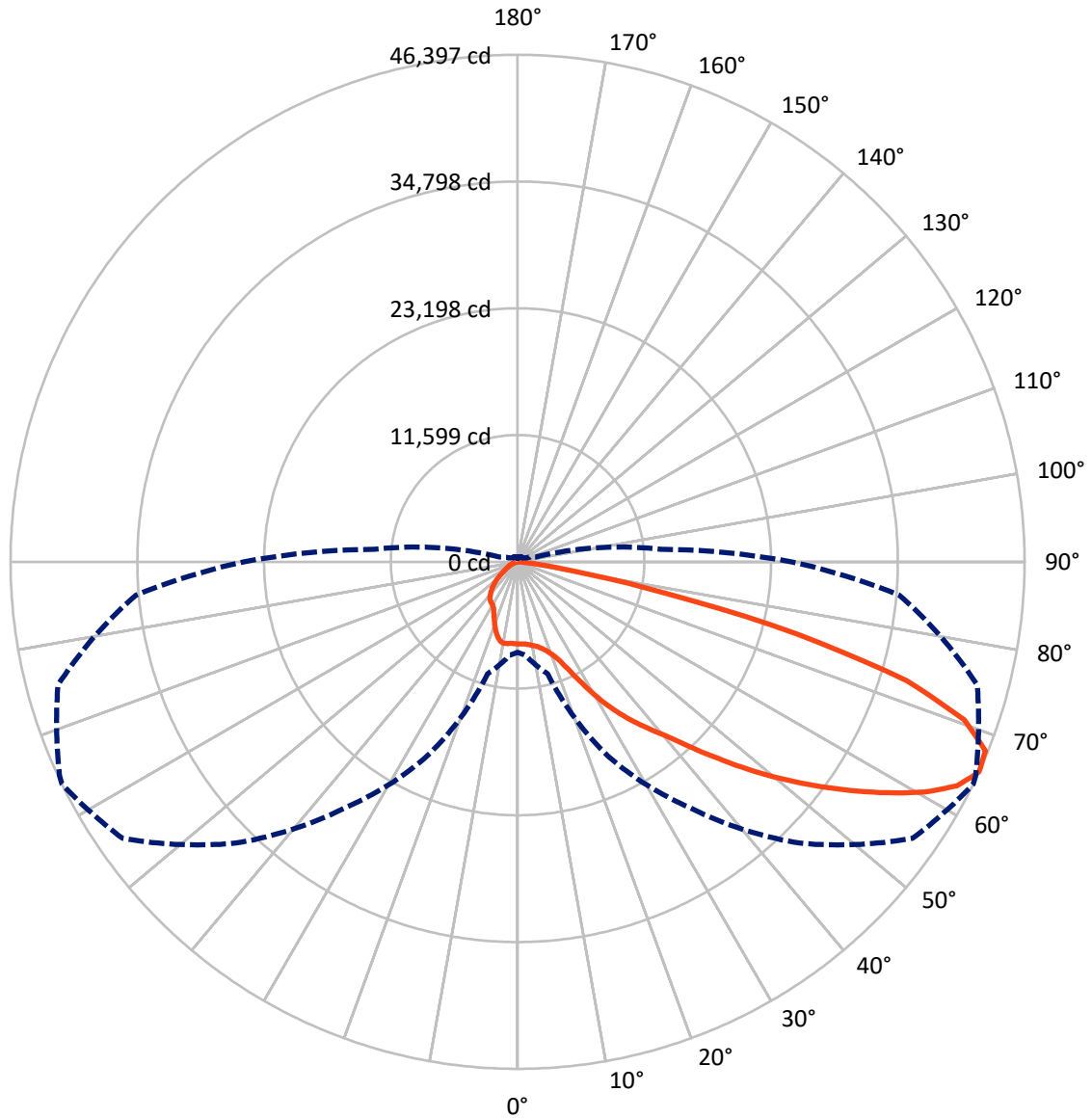
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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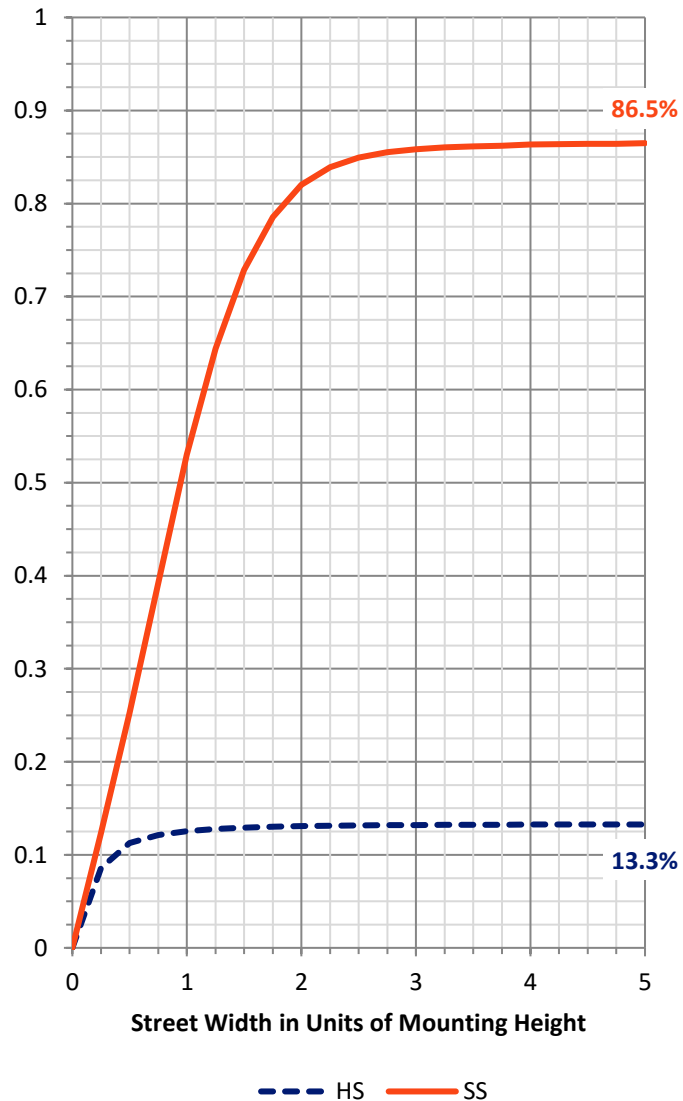
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8645.1	0.0	8645.1
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	56000.9	0.0	56000.9
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	64646.0	0.0	64646.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	693.7	1.1
10°-20°	1881.5	2.9
20°-30°	3565.3	5.5
30°-40°	7214.5	11.2
40°-50°	12290.0	19.0
50°-60°	16713.5	25.9
60°-70°	15694.8	24.3
70°-80°	6288.0	9.7
80°-90°	304.6	0.5
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°	64646.0	100.0
0°-180°	64646.0	100.0

**Coefficient of Utilization**



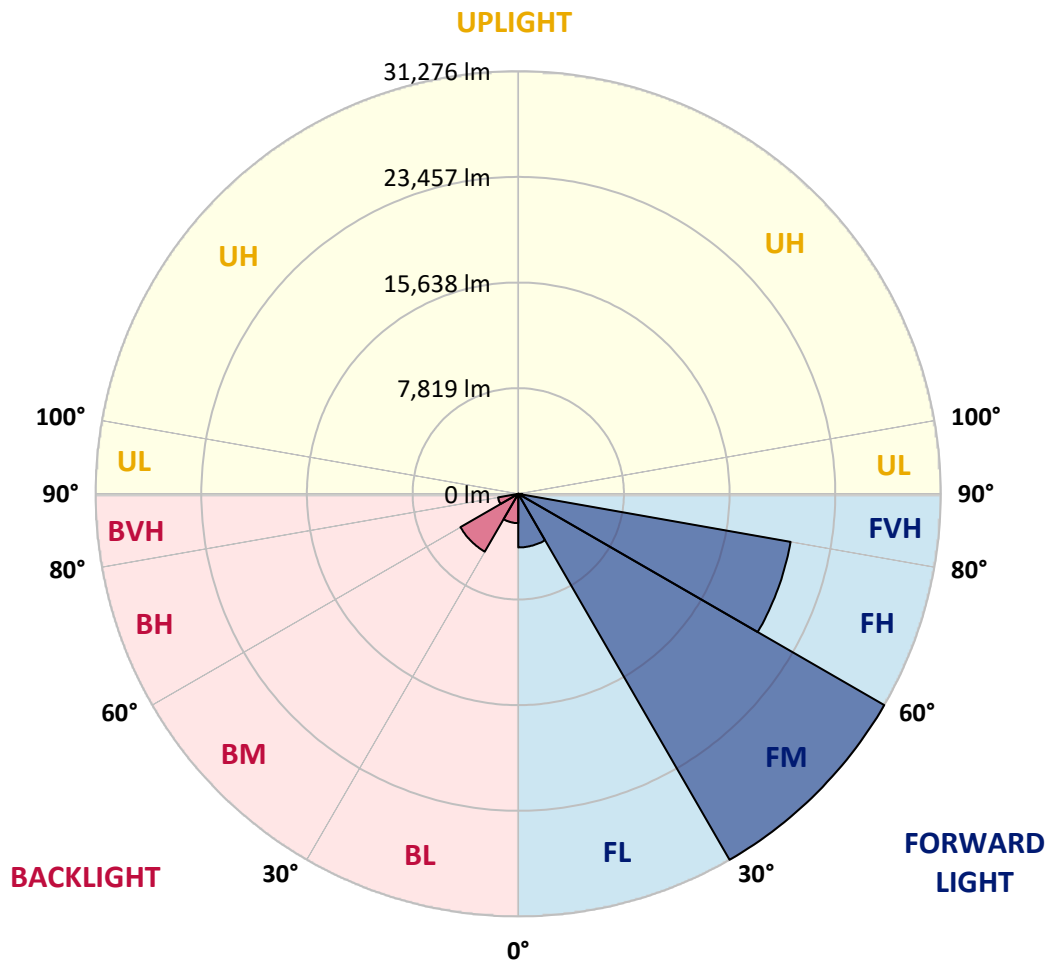
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3970.0	6.1			
FM (30°-60°)	31275.7	48.4			
FH (60°-80°)	20465.4	31.7			G5
FVH (80°-90°)	289.8	0.4			G3/500
BL (0°-30°)	2170.5	3.4	B3/2500		
BM (30°-60°)	4942.4	7.6	B3/5000		
BH (60°-80°)	1517.4	2.3	B3/2500		G3/2500
BVH (80°-90°)	14.9	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	7519.0	7519.0	7519.0	7519.0	7519.0	7519.0	7519.0	7519.0	7519.0	7519.0
2.5°	7493.0	7545.0	7532.0	7519.0	7514.7	7523.3	7527.7	7523.3	7523.3	7523.3
5°	7350.0	7393.3	7393.3	7423.7	7467.0	7519.0	7558.0	7566.7	7575.3	7588.3
7.5°	7077.0	7111.6	7137.6	7237.3	7345.7	7484.3	7601.3	7662.0	7670.7	7718.4
10°	6890.6	6933.9	6977.3	7081.3	7237.3	7445.3	7644.7	7792.0	7813.7	7926.4
12.5°	6881.9	6925.3	6981.6	7094.3	7276.3	7497.3	7740.0	7952.4	7991.4	8156.1
15°	6973.0	7025.0	7077.0	7215.6	7410.7	7679.3	7939.4	8203.7	8242.7	8476.8
17.5°	7159.3	7228.6	7267.6	7406.3	7614.3	7913.4	8255.7	8559.1	8593.8	8866.8
20°	7527.7	7610.0	7623.0	7735.7	7939.4	8260.1	8667.4	9044.5	9087.8	9399.8
22.5°	8290.4	8407.4	8303.4	8359.7	8541.8	8862.5	9304.5	9781.2	9841.9	10197.2
25°	9633.9	9798.5	9529.8	9434.5	9512.5	9846.2	10400.9	11003.3	11072.6	11358.7
27.5°	12273.1	12060.7	11653.4	11254.7	11020.6	11211.3	11835.4	12580.8	12667.5	12944.8
30°	15172.3	14986.0	14435.6	13551.5	12996.8	12966.5	13542.9	14374.9	14474.6	14739.0
32.5°	18075.9	17898.3	17300.2	16212.4	15250.4	14773.6	15172.3	16095.4	16147.4	16316.4
35°	20931.9	20749.8	20151.8	19038.0	17854.9	16771.5	16693.5	17733.6	17750.9	17928.6
37.5°	23805.1	23653.4	23016.4	21924.3	20758.5	19263.4	18539.6	19285.0	19306.7	19480.1
40°	25855.0	25920.0	25482.3	24637.2	23636.1	22002.3	20611.2	20936.2	20806.2	21096.5
42.5°	27614.5	27744.5	27363.1	26938.4	26357.7	24918.9	23176.7	23120.4	22912.4	23068.4
45°	29135.6	29243.9	28901.6	28801.9	28788.9	27779.1	25980.6	25642.6	25352.3	25321.9
47.5°	29694.6	29902.7	30050.0	30383.7	31033.8	30609.1	28879.9	28355.5	28030.5	27792.1
50°	29907.0	30128.0	30630.7	31601.5	33139.9	33322.0	31766.2	31176.8	30778.1	30344.7
52.5°	29621.0	30015.3	30691.4	32325.2	34557.1	35497.5	34535.4	34019.7	33564.6	32858.3
55°	27935.1	28329.5	29712.0	32316.5	35263.5	37023.0	37153.0	36923.3	36411.9	35298.1
57.5°	24381.5	24966.6	27155.1	31215.8	35250.5	38336.1	39718.5	39883.2	39311.2	37716.3
60°	19458.4	20251.5	22921.0	28775.9	34162.7	39046.8	41967.7	42791.1	42184.4	40099.9
62.5°	13577.5	14496.3	17022.8	24953.5	31675.1	38535.4	43610.2	45131.3	44672.0	42232.1
65°	8281.7	8576.4	10613.3	19636.1	27445.4	36394.6	44117.3	46396.8	46245.1	43536.5
67.5°	5516.8	5763.8	6348.9	13464.9	21304.6	32117.2	42903.8	46175.8	46219.1	43324.2
70°	3324.0	3536.3	3917.7	7831.0	13807.2	25421.6	39146.5	43358.9	43610.2	40485.6
72.5°	1369.5	1512.5	1859.2	3549.3	7150.6	16134.4	31172.4	37226.6	37811.7	34041.4
75°	775.7	849.4	1092.1	1781.2	3102.9	7519.0	18882.0	26427.0	27289.4	23462.8
77.5°	515.7	550.4	706.4	1152.8	1746.5	2565.6	8069.4	13768.2	15415.0	12814.8
80°	346.7	377.0	485.4	771.4	1135.4	1100.8	2569.9	5100.8	6275.2	4403.1
82.5°	234.0	238.4	346.7	507.0	719.4	533.0	758.4	1586.1	1993.5	1274.1
85°	134.3	130.0	255.7	294.7	320.7	221.0	229.7	476.7	624.1	537.4
87.5°	17.3	26.0	99.7	78.0	43.3	47.7	47.7	82.3	121.3	130.0
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°
7519.0	0°	7519.0	7519.0	7519.0	7519.0	7519.0	7519.0	7519.0	7519.0	7519.0	7519.0
7527.7	2.5°	7527.7	7523.3	7510.3	7497.3	7467.0	7449.7	7458.3	7449.7	7445.3	7449.7
7584.0	5°	7584.0	7571.0	7536.3	7493.0	7432.3	7358.7	7311.0	7241.6	7176.6	7137.6
7735.7	7.5°	7735.7	7722.7	7675.0	7553.7	7358.7	7051.0	6769.3	6522.2	6335.9	6227.6
7978.4	10°	7978.4	7956.7	7883.0	7614.3	7103.0	6431.2	5872.2	5408.5	5105.1	4962.1
8264.4	12.5°	8264.4	8238.4	8108.4	7558.0	6617.6	5568.8	4797.4	4281.7	4000.0	3874.3
8593.8	15°	8602.4	8567.8	8312.1	7289.3	5911.2	4615.4	3909.0	3523.3	3341.3	3228.6
9014.1	17.5°	9022.8	8962.1	8463.8	6886.3	5144.1	3887.3	3363.0	3072.6	2912.3	2803.9
9564.5	20°	9568.8	9469.2	8585.1	6405.2	4437.7	3428.0	2994.6	2751.9	2630.6	2535.2
10344.6	22.5°	10331.6	10188.6	8732.4	5885.2	3939.3	3111.6	2721.6	2543.9	2444.2	2335.9
11432.3	25°	11276.3	11107.3	8914.5	5404.1	3597.0	2838.6	2522.2	2374.9	2257.9	2132.2
12858.1	27.5°	12598.1	12294.8	9131.1	5009.8	3302.3	2604.6	2340.2	2175.5	2041.2	1937.2
14474.6	30°	14071.6	13573.2	9321.8	4771.4	3033.6	2387.9	2101.9	1937.2	1811.5	1737.8
15926.4	32.5°	15467.0	14791.0	9447.5	4667.4	2790.9	2140.9	1841.8	1664.1	1568.8	1547.1
17347.9	35°	16784.5	15891.7	9434.5	4567.7	2574.2	1893.8	1586.1	1404.1	1330.5	1343.5
18877.7	37.5°	18301.3	17066.2	9343.5	4411.7	2396.5	1668.5	1365.1	1204.8	1139.8	1144.1
20736.8	40°	20065.1	18422.6	9287.2	4117.0	2201.5	1460.5	1183.1	1053.1	1005.4	988.1
22695.7	42.5°	21945.9	19735.8	9295.8	3783.3	1958.8	1274.1	1057.4	949.1	905.7	892.7
24875.5	45°	23835.5	20988.2	9308.8	3436.6	1703.2	1131.1	966.4	875.4	849.4	832.1
27085.7	47.5°	25612.3	22054.3	9066.1	3063.9	1451.8	1022.8	892.7	832.1	810.4	788.7
29304.6	50°	27267.8	22765.0	8481.1	2630.6	1252.4	936.1	836.4	793.1	771.4	749.7
31315.4	52.5°	28554.9	22877.7	7514.7	2184.2	1113.8	871.1	801.7	762.7	736.7	715.1
32940.6	55°	29126.9	22171.3	6140.9	1768.2	1005.4	814.7	767.1	728.1	697.7	676.1
34219.0	57.5°	28979.6	20684.8	4788.8	1421.5	901.4	758.4	723.7	697.7	663.1	628.4
35254.8	60°	28255.8	18695.7	3610.0	1183.1	806.1	697.7	676.1	654.4	606.7	554.7
35653.5	62.5°	27003.4	16195.1	2574.2	979.4	702.1	628.4	619.7	602.4	533.0	437.7
35064.1	65°	25087.9	13157.2	1733.5	814.7	602.4	550.4	554.7	524.4	433.4	325.0
32905.9	67.5°	22288.3	9620.9	1109.4	667.4	502.7	459.4	463.7	446.4	368.4	277.4
28814.9	70°	18721.7	6370.6	723.7	507.0	403.0	355.4	381.4	385.7	312.0	225.4
22115.0	72.5°	13724.9	3761.7	507.0	377.0	294.7	247.0	312.0	320.7	251.4	169.0
13304.5	75°	7822.4	1785.5	381.4	273.0	182.0	173.3	242.7	242.7	173.3	112.7
5759.5	77.5°	3285.0	745.4	268.7	177.7	104.0	99.7	164.7	151.7	86.7	52.0
1404.1	80°	949.1	333.7	143.0	86.7	43.3	39.0	65.0	47.7	21.7	8.7
533.0	82.5°	372.7	147.3	56.3	34.7	17.3	17.3	8.7	0.0	0.0	0.0
303.4	85°	221.0	60.7	26.0	13.0	4.3	0.0	0.0	0.0	0.0	0.0
65.0	87.5°	56.3	13.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
7519.0
7467.0
7146.3
6231.9
4949.1
3861.3
3233.0
2795.2
2517.9
2318.5
2119.2
1915.5
1724.8
1560.1
1343.5
1161.4
983.8
888.4
832.1
788.7
749.7
710.7
671.7
624.1
546.0
429.0
316.4
264.4
216.7
160.3
104.0
52.0
8.7
0.0
0.0
0.0
0.0

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