

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: P851676

Luminaire Tested: **GLAN-SB9D-735-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851676  
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-SB9D-735-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 90122 lumens  
Efficiency: N/A  
Efficacy: 137.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B5 - U0 - G5

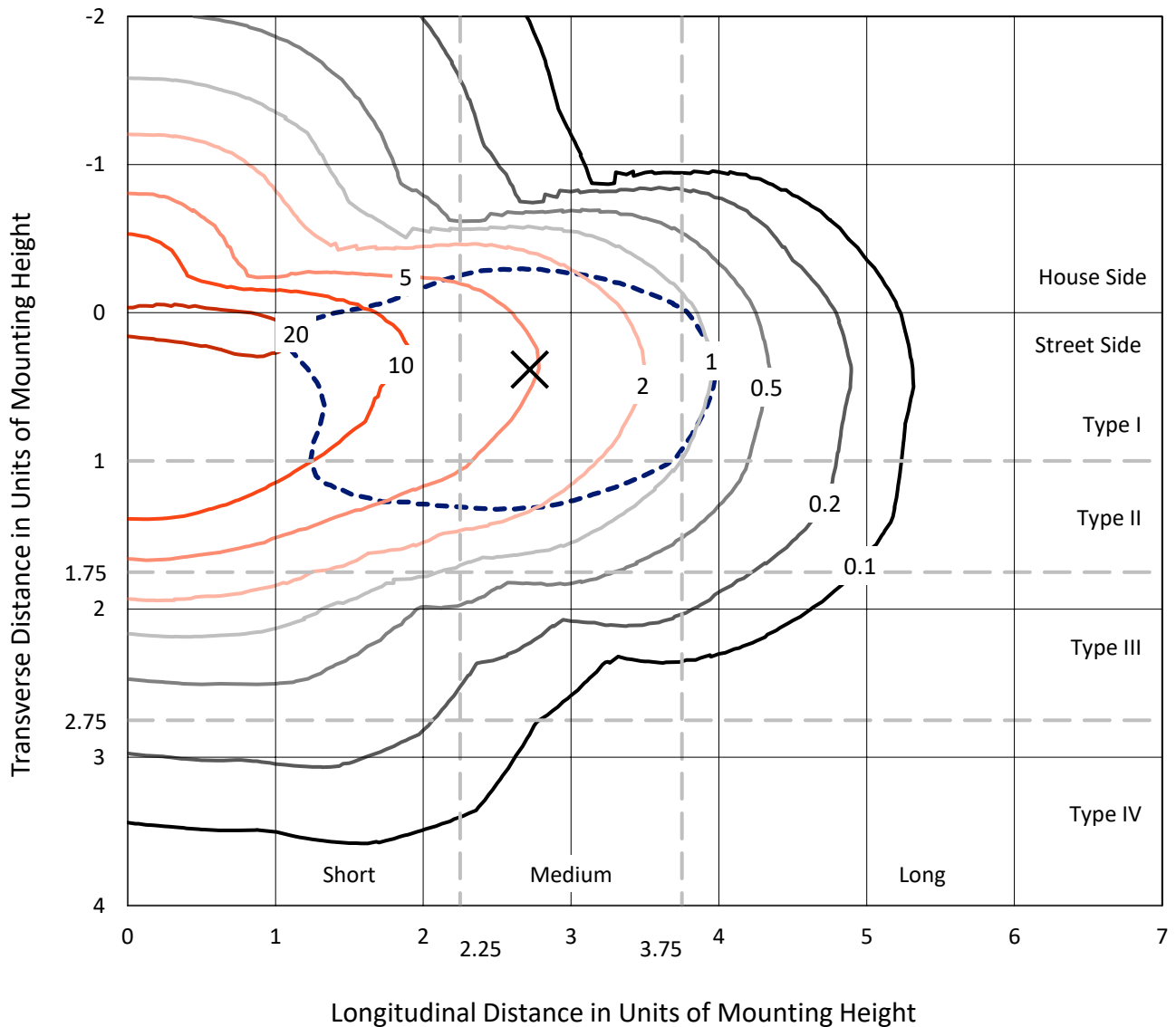
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

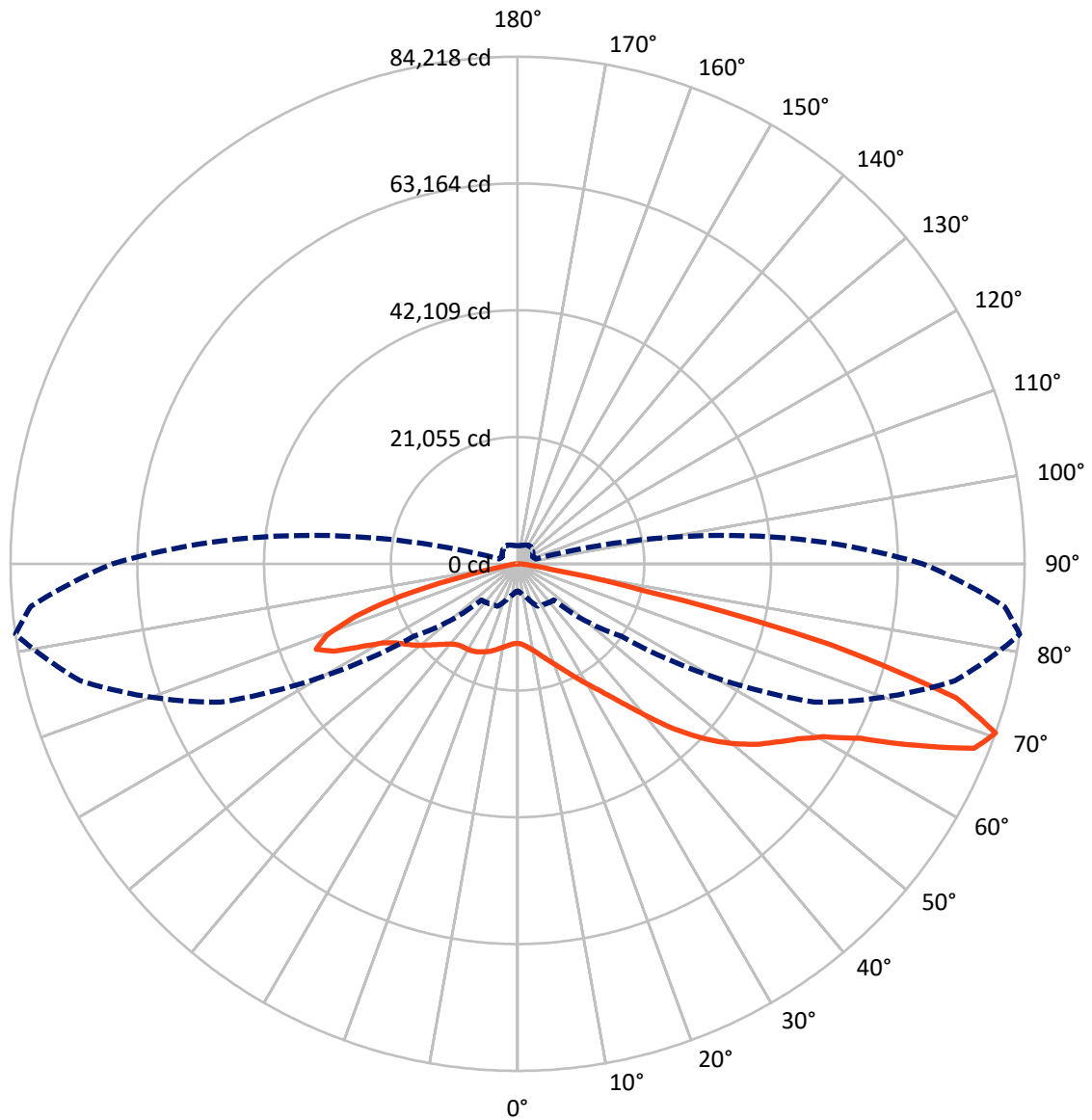
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24 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	22217.3	0.0	22217.3
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	67904.7	0.0	67904.7
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	90122.0	0.0	90122.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1247.5	1.4
10°-20°	3584.3	4.0
20°-30°	5996.1	6.7
30°-40°	9367.5	10.4
40°-50°	14918.8	16.6
50°-60°	20761.3	23.0
60°-70°	21717.3	24.1
70°-80°	11350.6	12.6
80°-90°	1178.6	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°	90122.0	100.0
0°-180°	90122.0	100.0

**Coefficient of Utilization**

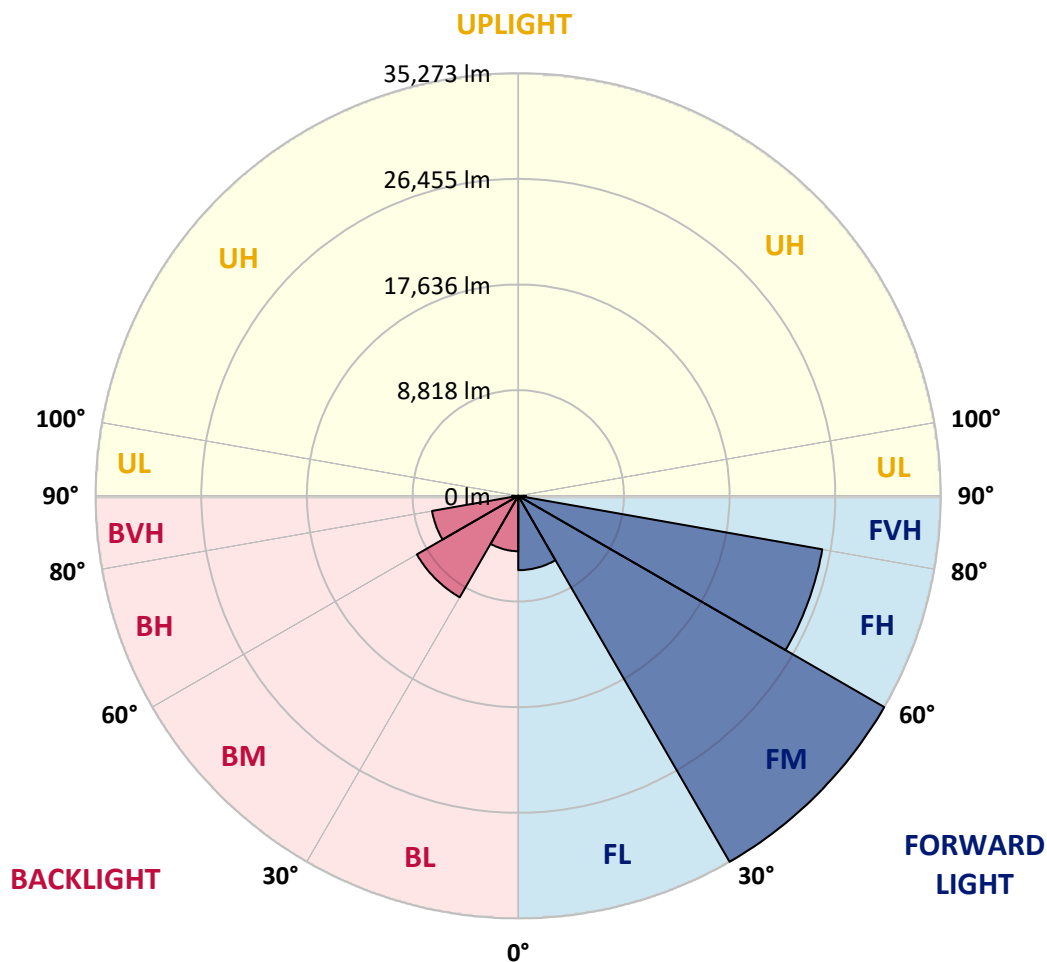


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6205.9	6.9			
FM (30°-60°)	35272.8	39.1			
FH (60°-80°)	25766.2	28.6			G5
FVH (80°-90°)	659.8	0.7			G4/750
BL (0°-30°)	4622.0	5.1	B4/5000		
BM (30°-60°)	9774.7	10.8	B5		
BH (60°-80°)	7301.7	8.1	B5		G5
BVH (80°-90°)	518.8	0.6			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	13213.0	13213.0	13213.0	13213.0	13213.0	13213.0	13213.0	13213.0	13213.0	13213.0
2.5°	13528.6	13605.1	13581.2	13557.3	13557.3	13523.9	13519.1	13471.2	13433.0	13370.8
5°	13700.8	13782.1	13772.5	13791.6	13853.8	13868.2	13882.5	13853.8	13777.3	13700.8
7.5°	13547.8	13638.6	13667.3	13782.1	13973.4	14145.5	14274.6	14327.2	14255.5	14145.5
10°	13031.3	13131.7	13232.1	13504.7	13844.3	14250.7	14595.0	14800.7	14786.3	14681.1
12.5°	11984.0	12089.2	12304.4	12835.2	13456.9	14174.2	14815.0	15245.4	15393.7	15317.1
15°	11147.1	11238.0	11400.6	11945.7	12753.9	13844.3	14896.3	15733.2	16111.0	16067.9
17.5°	11123.2	11161.5	11261.9	11520.1	12141.8	13327.8	14810.2	16211.4	16933.5	16928.7
20°	11544.1	11558.4	11615.8	11668.4	12022.3	12935.6	14590.3	16608.3	17856.5	17856.5
22.5°	12127.5	12117.9	12175.3	12127.5	12299.6	12902.2	14451.6	16957.4	18884.6	18961.1
25°	13002.6	12954.8	12940.4	12830.4	12863.9	13213.0	14604.6	17354.3	20104.1	20261.9
27.5°	14169.4	14092.9	14040.3	13786.9	13700.8	13853.8	15073.3	17832.5	21462.2	21734.8
30°	15690.2	15551.5	15475.0	15035.0	14724.2	14748.1	15781.0	18468.6	22882.5	23322.4
32.5°	17765.6	17550.4	17344.8	16622.7	16053.6	15867.1	16694.4	19348.5	24422.3	25125.3
35°	20089.7	19917.6	19697.6	18583.3	17708.2	17277.8	17928.2	20577.5	26225.2	27339.4
37.5°	22327.7	22179.5	22284.7	20783.1	19654.5	19028.1	19544.5	22227.3	28448.9	30093.9
40°	24642.3	24527.5	24541.9	23107.2	21792.1	21089.2	21505.2	24298.0	30997.7	33369.7
42.5°	27157.7	27071.6	26784.7	25512.6	24035.0	23379.8	23762.4	26689.0	33733.1	37099.7
45°	29974.4	29921.8	29654.0	28195.4	26502.5	25766.1	26282.6	29328.8	36482.8	40609.8
47.5°	32408.5	32451.5	32418.0	31189.0	29434.0	28353.2	28970.1	32083.3	39041.3	43909.5
50°	33580.1	33804.8	34134.8	33752.2	32661.9	31562.0	31681.6	34742.1	41480.2	47003.5
52.5°	32968.0	33393.6	34292.6	34904.7	35325.6	35096.0	34775.6	37381.9	43775.6	49796.3
55°	30686.9	31284.7	32776.7	34254.4	36401.5	38070.5	38491.3	40308.5	46013.6	52254.3
57.5°	26531.2	27502.0	28841.0	31829.8	35445.1	39509.9	42823.9	44368.6	48385.5	54879.7
60°	19405.9	20706.6	22370.8	26818.2	32097.6	38740.0	46511.0	50604.4	51756.9	58279.8
62.5°	12419.2	13222.6	14752.9	18942.0	25010.5	34794.7	47639.5	58399.3	57471.6	63855.7
65°	8502.6	9019.1	10420.3	12773.1	16168.4	25900.0	44617.2	64243.1	66548.1	72693.1
67.5°	6178.5	6570.6	7766.2	9827.3	10535.0	15326.7	34622.6	63975.3	75371.1	81798.3
70°	4504.8	4782.1	5786.4	7766.2	8105.7	8526.5	20974.4	54382.3	75179.8	84218.0
72.5°	3337.9	3529.2	4203.5	6025.5	6561.1	5757.7	10382.0	39524.3	64601.7	76174.5
75°	2415.0	2558.4	3055.8	4610.0	5250.8	4385.2	5179.0	23097.7	45062.0	53583.7
77.5°	1845.9	1955.9	2281.1	3376.2	4203.5	3290.1	3213.6	10625.9	21366.5	21471.7
80°	1482.5	1554.2	1731.1	2376.7	3223.2	2462.8	2094.6	4289.6	6752.4	5714.6
82.5°	1090.3	1209.9	1463.3	1669.0	2305.0	1697.7	1276.8	2166.3	2568.0	2209.3
85°	621.7	703.0	884.7	1195.5	1472.9	1037.7	731.7	961.2	1195.5	980.3
87.5°	220.0	286.9	310.8	468.6	640.8	430.4	282.1	277.4	392.1	291.7
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°
13213.0	0°	13213.0	13213.0	13213.0	13213.0	13213.0	13213.0	13213.0	13213.0	13213.0	13213.0
13356.5	2.5°	13308.7	13284.7	13189.1	13060.0	12926.1	12797.0	12753.9	12663.1	12600.9	12567.4
13667.3	5°	13576.5	13499.9	13275.2	12988.3	12687.0	12361.8	12132.3	11921.8	11768.8	11625.3
14092.9	7.5°	13959.0	13825.1	13437.8	12935.6	12400.1	11859.7	11458.0	11151.9	10946.3	10812.4
14590.3	10°	14403.8	14198.1	13605.1	12854.4	12027.0	11252.3	10778.9	10515.9	10386.8	10315.0
15159.3	12.5°	14915.4	14623.7	13777.3	12667.8	11458.0	10573.3	10248.1	10171.6	10176.4	10181.1
15876.7	15°	15546.7	15140.2	13916.0	12261.4	10716.7	10052.0	9994.6	10119.0	10248.1	10310.3
16689.6	17.5°	16259.2	15685.4	13939.9	11591.9	9989.9	9717.3	9899.0	10166.8	10362.9	10448.9
17598.2	20°	17024.4	16240.1	13767.7	10645.0	9392.1	9444.7	9769.9	10114.2	10329.4	10439.4
18635.9	22.5°	17899.5	16833.1	13356.5	9650.3	8904.3	9148.2	9530.8	9865.5	10090.3	10200.3
19855.4	25°	18899.0	17497.8	12710.9	8813.5	8483.5	8813.5	9196.0	9473.4	9655.1	9755.5
21218.3	27.5°	20008.4	18191.2	11850.1	8148.7	8115.3	8469.1	8784.8	9000.0	9095.6	9172.1
22667.3	30°	21122.6	18822.4	10807.6	7646.6	7794.9	8129.6	8354.4	8450.0	8478.7	8493.1
24283.6	32.5°	22327.7	19367.6	9712.5	7230.6	7488.8	7799.6	7933.5	7976.6	7842.7	7751.8
26244.3	35°	23786.3	19951.0	8641.3	6900.6	7187.5	7455.3	7498.4	7460.1	7302.3	7115.8
28702.3	37.5°	25589.2	20677.9	7785.3	6666.3	6905.4	7082.3	7029.7	7020.2	7034.5	6814.5
31657.7	40°	27798.5	21624.8	7158.8	6484.6	6675.8	6714.1	6565.9	6647.2	6718.9	6384.1
34900.0	42.5°	30251.7	22767.7	6761.9	6360.2	6484.6	6393.7	6164.2	6255.0	6245.5	5805.5
38156.6	45°	32752.8	24011.1	6623.2	6269.4	6307.6	6125.9	5872.4	5896.4	5695.5	5298.6
41279.3	47.5°	35239.5	25345.3	6709.3	6192.9	6087.6	5882.0	5685.9	5580.7	5284.2	4987.8
44272.9	50°	37678.4	26746.4	7024.9	6039.8	5786.4	5666.8	5523.4	5336.9	5021.2	4767.8
47103.9	52.5°	39940.3	28157.2	7378.8	5786.4	5408.6	5480.3	5389.5	5174.3	4863.4	4605.2
49781.9	55°	42082.7	29567.9	7517.5	5437.3	5054.7	5317.7	5265.1	4868.2	4495.2	4284.8
52584.2	57.5°	44416.4	31265.5	7364.5	4992.5	4767.8	5131.2	4930.4	4490.4	4275.2	4117.4
56233.0	60°	47649.1	33929.2	7034.5	4442.6	4495.2	4853.9	4509.5	4327.8	4093.5	3916.6
61703.8	62.5°	53019.4	38897.8	6503.7	3897.4	4174.8	4442.6	4308.7	4127.0	3887.9	3715.7
71057.6	65°	60957.8	45803.2	5504.2	3471.8	3816.1	4040.9	4093.5	3911.8	3663.1	3481.4
79254.2	67.5°	67652.7	50135.8	4165.2	3117.9	3447.9	3715.7	3864.0	3687.0	3424.0	3247.1
81171.8	70°	67284.5	46989.2	3180.1	2768.9	3122.7	3395.3	3586.6	3447.9	3165.8	2998.4
73730.8	72.5°	59762.2	39309.1	2572.8	2415.0	2792.8	3060.6	3290.1	3184.9	2898.0	2735.4
54014.1	75°	43904.7	27903.7	2056.3	2056.3	2381.5	2711.5	2964.9	2898.0	2635.0	2520.2
22676.8	77.5°	18506.8	11706.6	1611.6	1707.2	1979.8	2328.9	2644.5	2668.4	2438.9	2582.3
5996.8	80°	4920.8	3227.9	1229.0	1343.8	1554.2	1922.4	2300.2	2290.6	2042.0	1908.1
2228.5	82.5°	1874.6	1272.0	875.1	946.9	1123.8	1472.9	1822.0	1879.4	1630.7	1410.7
875.1	85°	722.1	545.2	540.4	569.1	655.2	975.6	1377.3	1425.1	1229.0	1042.5
243.9	87.5°	186.5	162.6	200.8	191.3	301.3	521.3	789.1	817.7	750.8	435.2
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°
13213.0
12605.7
11682.7
10841.1
10334.2
10190.7
10305.5
10468.1
10468.1
10229.0
9784.2
9200.8
8526.5
7780.5
7125.4
6828.9
6393.7
5800.7
5312.9
4987.8
4748.7
4610.0
4265.7
4103.1
3907.0
3715.7
3491.0
3251.8
3012.7
2735.4
2486.7
2343.2
1774.2
1410.7
1076.0
621.7
0.0

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