

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: P851716

Luminaire Tested: **GLAN-SB9D-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851716
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-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 73224 lumens
Efficiency: N/A
Efficacy: 111.3 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

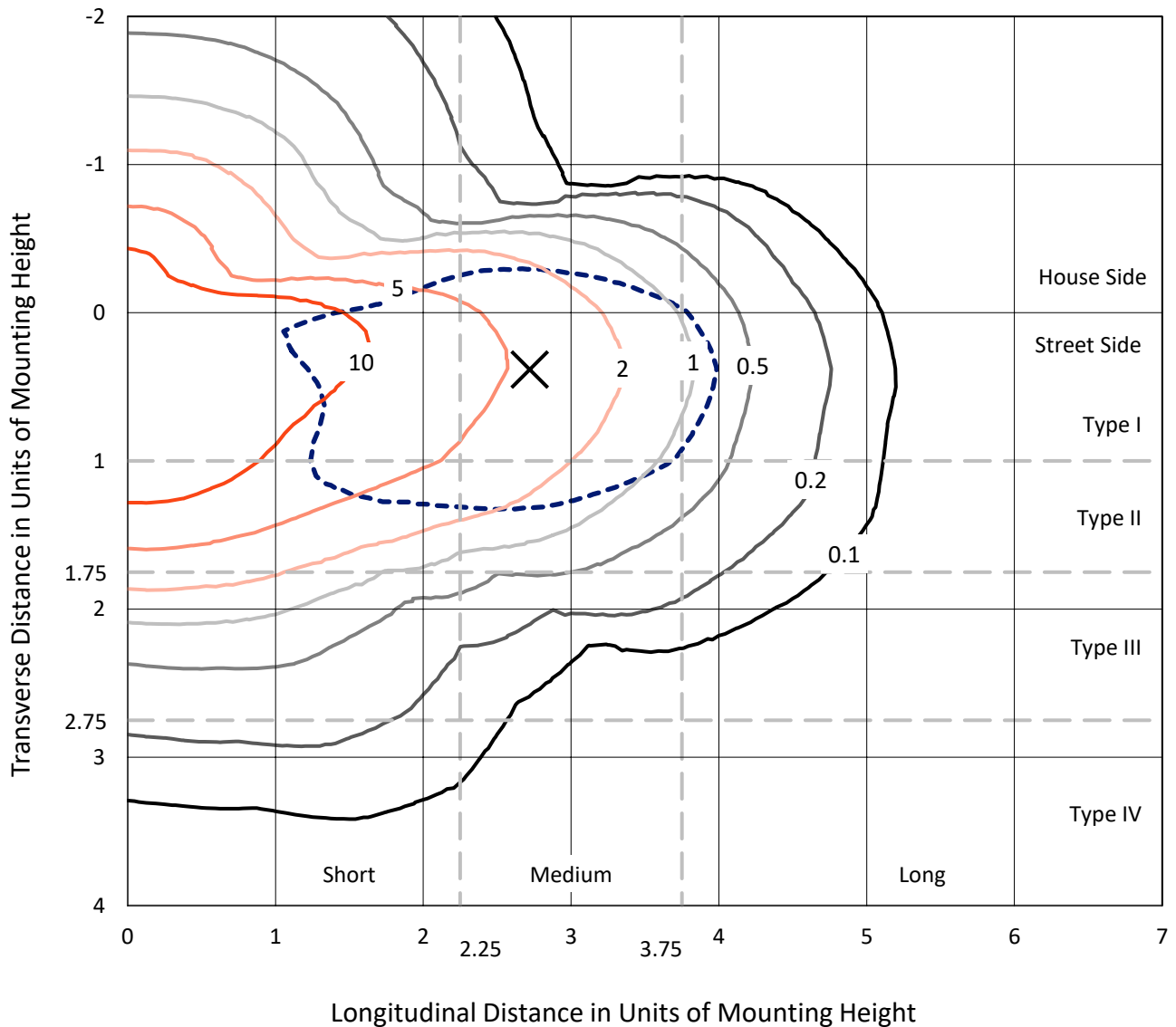
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

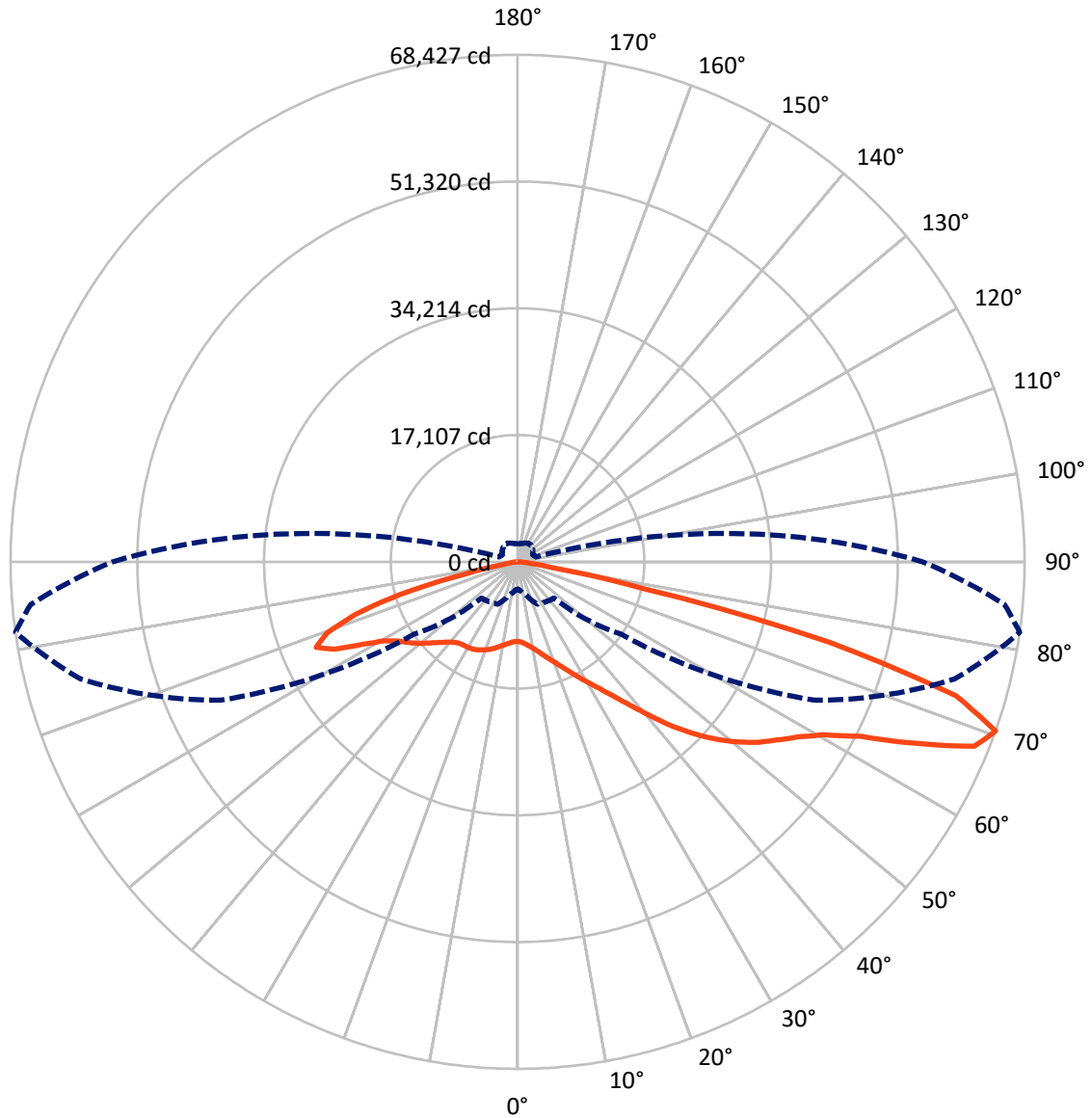
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.5 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
House Side	Lumens	18051.5	0.0	18051.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	55172.5	0.0	55172.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	73224.0	0.0	73224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1013.6	1.4
10°-20°	2912.2	4.0
20°-30°	4871.8	6.7
30°-40°	7611.1	10.4
40°-50°	12121.5	16.6
50°-60°	16868.5	23.0
60°-70°	17645.3	24.1
70°-80°	9222.4	12.6
80°-90°	957.6	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°	73224.0	100.0
0°-180°	73224.0	100.0

Coefficient of Utilization

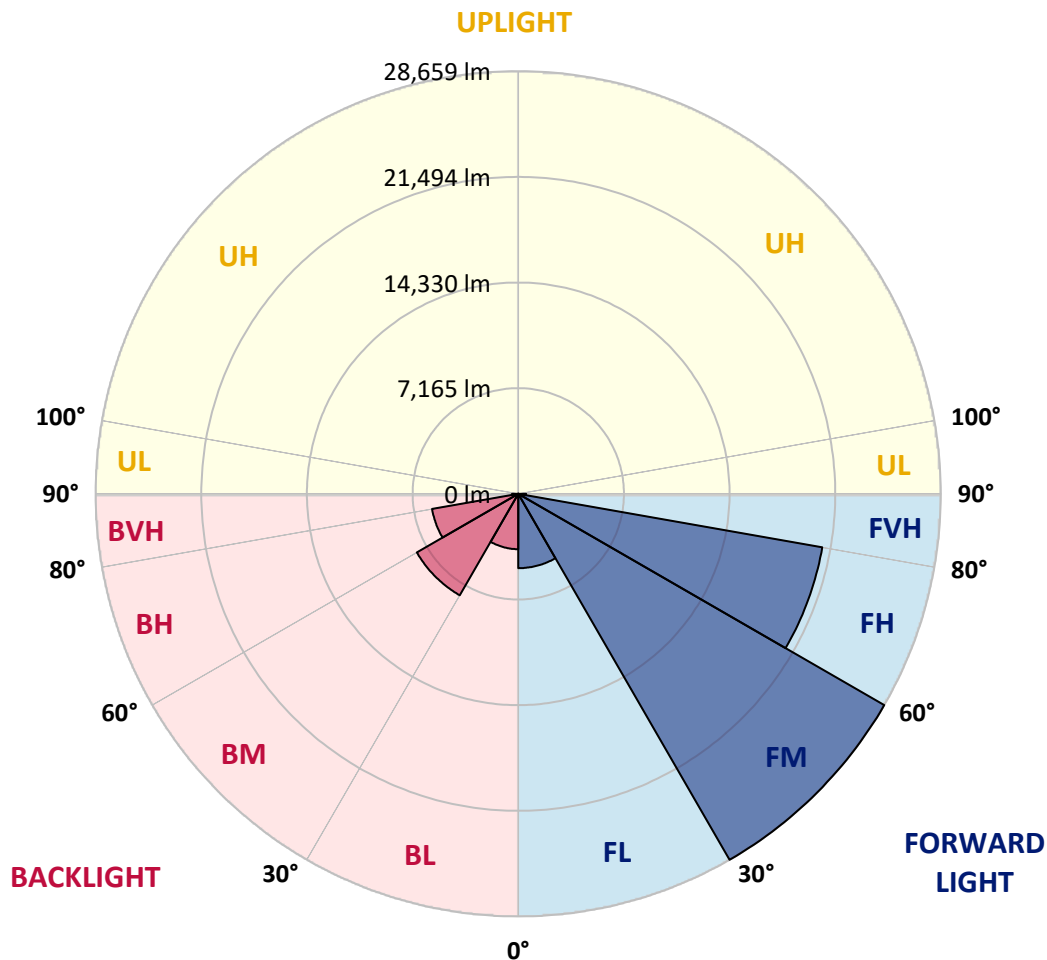


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5042.3	6.9			
FM (30°-60°)	28659.1	39.1			
FH (60°-80°)	20935.0	28.6			G5
FVH (80°-90°)	536.1	0.7			G4/750
BL (0°-30°)	3755.4	5.1	B4/5000		
BM (30°-60°)	7941.9	10.8	B4/8500		
BH (60°-80°)	5932.6	8.1	B5		G5
BVH (80°-90°)	421.5	0.6			G3/500
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°	10735.6	10735.6	10735.6	10735.6	10735.6	10735.6	10735.6	10735.6	10735.6	10735.6
2.5°	10992.0	11054.2	11034.7	11015.3	11015.3	10988.1	10984.2	10945.4	10914.3	10863.8
5°	11131.9	11197.9	11190.2	11205.7	11256.2	11267.9	11279.5	11256.2	11194.0	11131.9
7.5°	11007.5	11081.4	11104.7	11197.9	11353.3	11493.2	11598.1	11640.9	11582.6	11493.2
10°	10587.9	10669.5	10751.1	10972.6	11248.4	11578.7	11858.5	12025.5	12013.9	11928.4
12.5°	9737.0	9822.5	9997.3	10428.6	10933.7	11516.5	12037.2	12386.9	12507.3	12445.2
15°	9057.0	9130.9	9263.0	9705.9	10362.5	11248.4	12103.2	12783.2	13090.1	13055.2
17.5°	9037.6	9068.7	9150.3	9360.1	9865.2	10828.8	12033.3	13171.7	13758.4	13754.6
20°	9379.5	9391.2	9437.8	9480.5	9768.1	10510.2	11854.6	13494.2	14508.3	14508.3
22.5°	9853.6	9845.8	9892.4	9853.6	9993.4	10483.0	11741.9	13777.9	15343.7	15405.9
25°	10564.6	10525.7	10514.1	10424.7	10451.9	10735.6	11866.2	14100.4	16334.5	16462.7
27.5°	11512.6	11450.5	11407.7	11201.8	11131.9	11256.2	12247.0	14488.9	17438.0	17659.5
30°	12748.2	12635.5	12573.4	12215.9	11963.4	11982.8	12822.1	15005.7	18592.0	18949.4
32.5°	14434.5	14259.7	14092.6	13505.9	13043.5	12892.0	13564.2	15720.6	19843.1	20414.3
35°	16322.9	16183.0	16004.3	15098.9	14387.9	14038.2	14566.6	16719.2	21307.9	22213.2
37.5°	18141.3	18020.8	18106.3	16886.3	15969.3	15460.3	15879.9	18059.7	23114.7	24451.3
40°	20021.8	19928.6	19940.2	18774.6	17706.1	17134.9	17473.0	19742.1	25185.6	27112.8
42.5°	22065.6	21995.6	21762.5	20729.0	19528.4	18996.1	19306.9	21684.8	27408.1	30143.5
45°	24354.1	24311.4	24093.8	22908.7	21533.3	20934.9	21354.5	23829.6	29642.3	32995.4
47.5°	26331.8	26366.8	26339.6	25341.0	23915.1	23037.0	23538.2	26067.6	31721.0	35676.4
50°	27283.8	27466.4	27734.5	27423.6	26537.8	25644.1	25741.2	28227.9	33702.6	38190.3
52.5°	26786.4	27132.2	27862.7	28360.0	28702.0	28515.5	28255.1	30372.7	35567.6	40459.4
55°	24933.1	25418.7	26631.0	27831.6	29576.2	30932.2	31274.1	32750.6	37386.0	42456.5
57.5°	21556.6	22345.3	23433.3	25861.7	28799.1	32101.8	34794.4	36049.4	39313.2	44589.7
60°	15767.2	16824.1	18176.2	21789.7	26079.3	31476.2	37790.1	41116.0	42052.4	47352.2
62.5°	10090.6	10743.3	11986.7	15390.3	20321.0	28270.7	38707.1	47449.4	46695.6	51882.7
65°	6908.4	7328.0	8466.4	10378.1	13136.8	21043.7	36251.4	52197.4	54070.2	59063.0
67.5°	5020.0	5338.6	6310.0	7984.6	8559.7	12452.9	28130.8	51979.8	61238.9	66461.0
70°	3660.1	3885.5	4701.4	6310.0	6585.9	6927.8	17041.7	44185.6	61083.5	68427.0
72.5°	2712.1	2867.5	3415.3	4895.7	5330.9	4678.1	8435.4	32113.4	52488.8	61891.7
75°	1962.2	2078.7	2482.8	3745.6	4266.2	3563.0	4208.0	18766.8	36612.8	43536.7
77.5°	1499.8	1589.2	1853.4	2743.1	3415.3	2673.2	2611.0	8633.5	17360.3	17445.8
80°	1204.5	1262.8	1406.5	1931.1	2618.8	2001.0	1701.8	3485.3	5486.3	4643.1
82.5°	885.9	983.0	1189.0	1356.0	1872.8	1379.3	1037.4	1760.1	2086.5	1795.1
85°	505.1	571.2	718.8	971.4	1196.7	843.1	594.5	781.0	971.4	796.5
87.5°	178.7	233.1	252.6	380.8	520.7	349.7	229.2	225.4	318.6	237.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851716
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
10735.6	0°	10735.6	10735.6	10735.6	10735.6	10735.6	10735.6	10735.6	10735.6	10735.6	10735.6
10852.1	2.5°	10813.3	10793.8	10716.1	10611.2	10502.4	10397.5	10362.5	10288.7	10238.2	10211.0
11104.7	5°	11030.8	10968.7	10786.1	10552.9	10308.2	10043.9	9857.4	9686.5	9562.1	9445.6
11450.5	7.5°	11341.7	11232.9	10918.2	10510.2	10075.0	9636.0	9309.6	9060.9	8893.8	8785.0
11854.6	10°	11703.0	11536.0	11054.2	10444.1	9772.0	9142.5	8757.8	8544.1	8439.2	8381.0
12316.9	12.5°	12118.8	11881.8	11194.0	10292.6	9309.6	8590.8	8326.6	8264.4	8268.3	8272.2
12899.8	15°	12631.7	12301.4	11306.7	9962.3	8707.3	8167.3	8120.6	8221.7	8326.6	8377.1
13560.3	17.5°	13210.6	12744.3	11326.1	9418.4	8116.7	7895.3	8042.9	8260.5	8419.8	8489.8
14298.5	20°	13832.3	13195.1	11186.3	8649.1	7631.1	7673.8	7938.0	8217.8	8392.6	8482.0
15141.7	22.5°	14543.3	13676.9	10852.1	7840.9	7234.7	7432.9	7743.7	8015.7	8198.3	8287.7
16132.5	25°	15355.4	14216.9	10327.6	7160.9	6892.8	7160.9	7471.8	7697.1	7844.8	7926.4
17239.8	27.5°	16256.8	14780.3	9628.2	6620.8	6593.6	6881.2	7137.6	7312.5	7390.2	7452.3
18417.1	30°	17162.1	15293.2	8781.2	6212.9	6333.3	6605.3	6787.9	6865.6	6888.9	6900.6
19730.4	32.5°	18141.3	15736.2	7891.4	5874.8	6084.6	6337.2	6446.0	6481.0	6372.2	6298.3
21323.5	35°	19326.3	16210.2	7021.0	5606.7	5839.9	6057.4	6092.4	6061.3	5933.1	5781.6
23320.6	37.5°	20791.2	16800.8	6325.5	5416.3	5610.6	5754.4	5711.6	5703.9	5715.5	5536.8
25721.8	40°	22586.2	17570.1	5816.5	5268.7	5424.1	5455.2	5334.8	5400.8	5459.1	5187.1
28356.2	42.5°	24579.5	18498.7	5494.1	5167.7	5268.7	5194.9	5008.4	5082.2	5074.4	4717.0
31002.2	45°	26611.6	19508.9	5381.4	5093.9	5124.9	4977.3	4771.4	4790.8	4627.6	4305.1
33539.4	47.5°	28632.0	20593.0	5451.3	5031.7	4946.2	4779.1	4619.8	4534.3	4293.4	4052.5
35971.7	50°	30613.6	21731.4	5707.8	4907.3	4701.4	4604.3	4487.7	4336.2	4079.7	3873.8
38271.9	52.5°	32451.4	22877.6	5995.3	4701.4	4394.5	4452.7	4378.9	4204.1	3951.5	3741.7
40447.7	55°	34192.1	24023.9	6108.0	4417.8	4106.9	4320.6	4277.9	3955.4	3652.3	3481.4
42724.6	57.5°	36088.2	25403.2	5983.6	4056.4	3873.8	4169.1	4005.9	3648.5	3473.6	3345.4
45689.2	60°	38714.8	27567.4	5715.5	3609.6	3652.3	3943.8	3664.0	3516.4	3326.0	3182.2
50134.2	62.5°	43078.2	31604.4	5284.2	3166.7	3392.0	3609.6	3500.8	3353.2	3158.9	3019.0
57734.2	65°	49528.1	37215.0	4472.2	2820.9	3100.6	3283.2	3326.0	3178.3	2976.3	2828.6
64393.9	67.5°	54967.7	40735.3	3384.2	2533.3	2801.4	3019.0	3139.5	2995.7	2782.0	2638.2
65952.0	70°	54668.6	38178.6	2583.8	2249.7	2537.2	2758.7	2914.1	2801.4	2572.2	2436.2
59906.2	72.5°	48556.7	31938.6	2090.4	1962.2	2269.1	2486.7	2673.2	2587.7	2354.6	2222.5
43886.4	75°	35672.5	22671.7	1670.8	1670.8	1935.0	2203.1	2409.0	2354.6	2140.9	2047.6
18424.9	77.5°	15036.8	9511.6	1309.4	1387.1	1608.6	1892.2	2148.7	2168.1	1981.6	2098.2
4872.4	80°	3998.1	2622.7	998.6	1091.8	1262.8	1562.0	1868.9	1861.1	1659.1	1550.3
1810.6	82.5°	1523.1	1033.5	711.0	769.3	913.1	1196.7	1480.4	1527.0	1324.9	1146.2
711.0	85°	586.7	442.9	439.1	462.4	532.3	792.6	1119.0	1157.9	998.6	847.0
198.2	87.5°	151.5	132.1	163.2	155.4	244.8	423.5	641.1	664.4	610.0	353.6
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°
10735.6
10242.1
9492.2
8808.4
8396.5
8279.9
8373.2
8505.3
8505.3
8311.0
7949.7
7475.6
6927.8
6321.7
5789.4
5548.5
5194.9
4713.1
4316.8
4052.5
3858.3
3745.6
3465.8
3333.7
3174.4
3019.0
2836.4
2642.1
2447.8
2222.5
2020.4
1903.9
1441.5
1146.2
874.2
505.1
0.0

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