

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: P851735

Luminaire Tested: **GLAN-SB9D-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851735
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-SB9D-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 900mA 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: 56040 lumens
Efficiency: N/A
Efficacy: 85.2 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

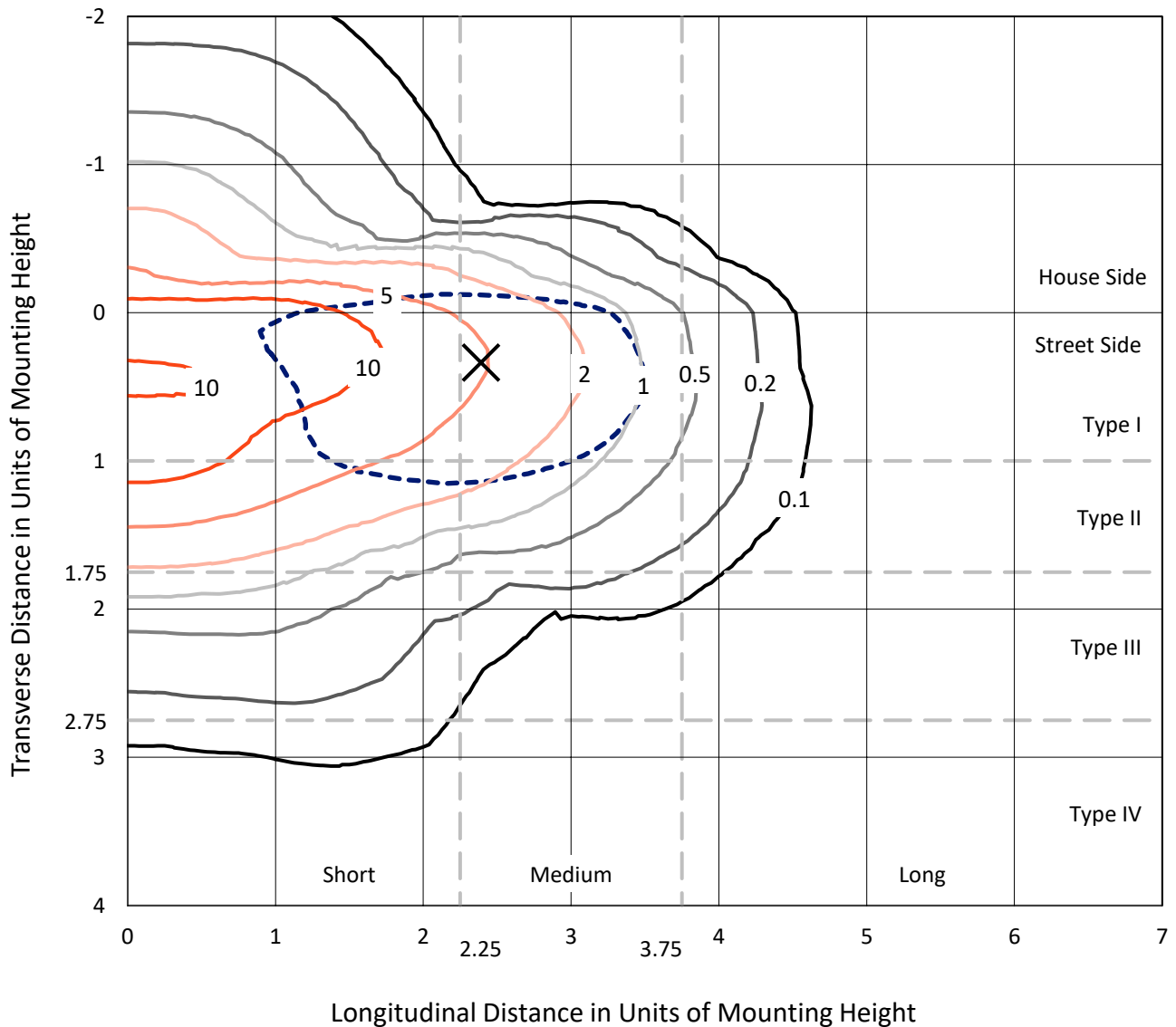
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

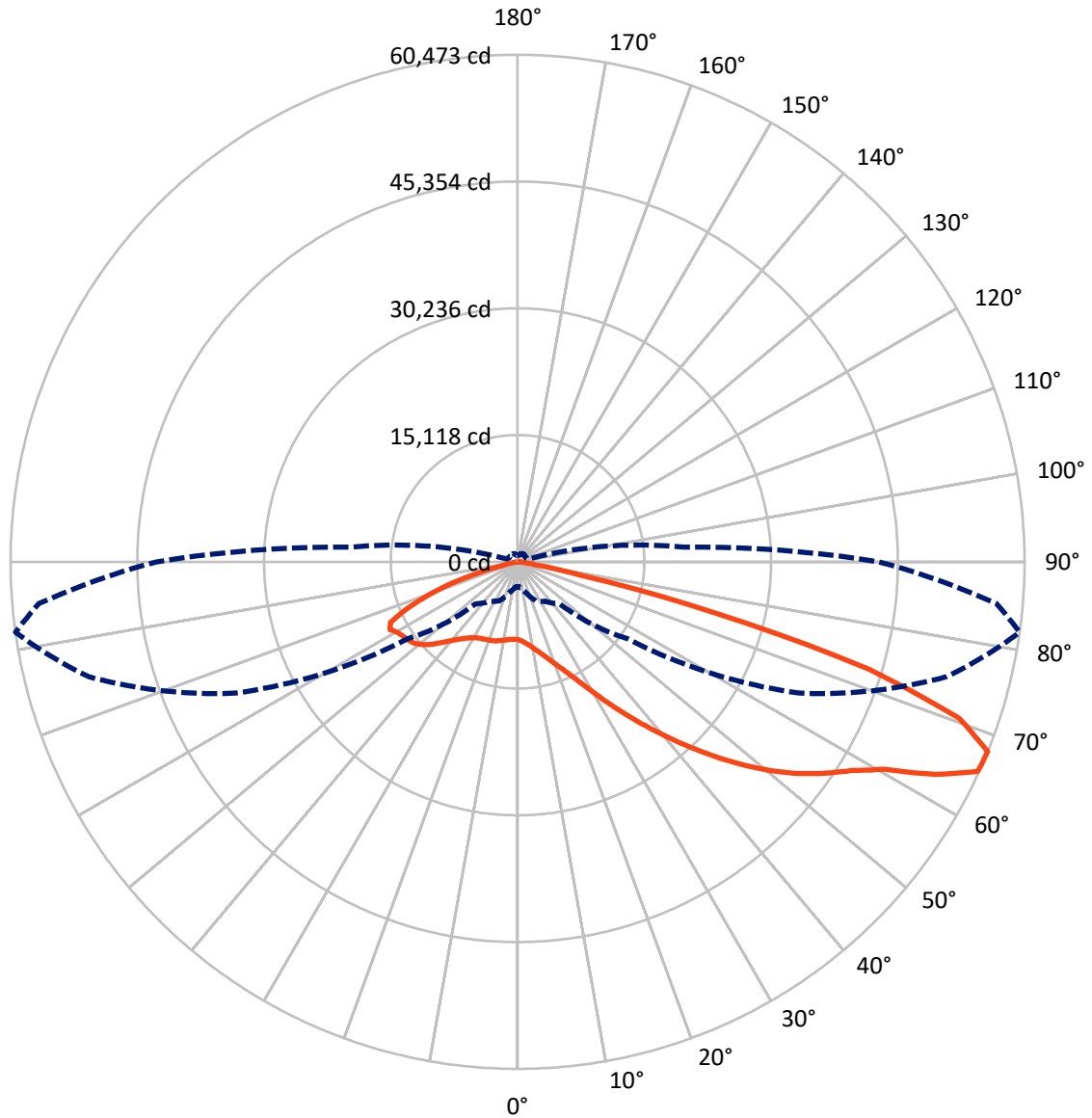
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.6 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
House Side	Lumens	10151.2	0.0	10151.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	45888.9	0.0	45888.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	56040.0	0.0	56040.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.1	1.5
10°-20°	2149.4	3.8
20°-30°	3442.6	6.1
30°-40°	6087.6	10.9
40°-50°	10666.1	19.0
50°-60°	14225.5	25.4
60°-70°	13243.2	23.6
70°-80°	5082.7	9.1
80°-90°	315.7	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°	56040.0	100.0
0°-180°	56040.0	100.0

Coefficient of Utilization

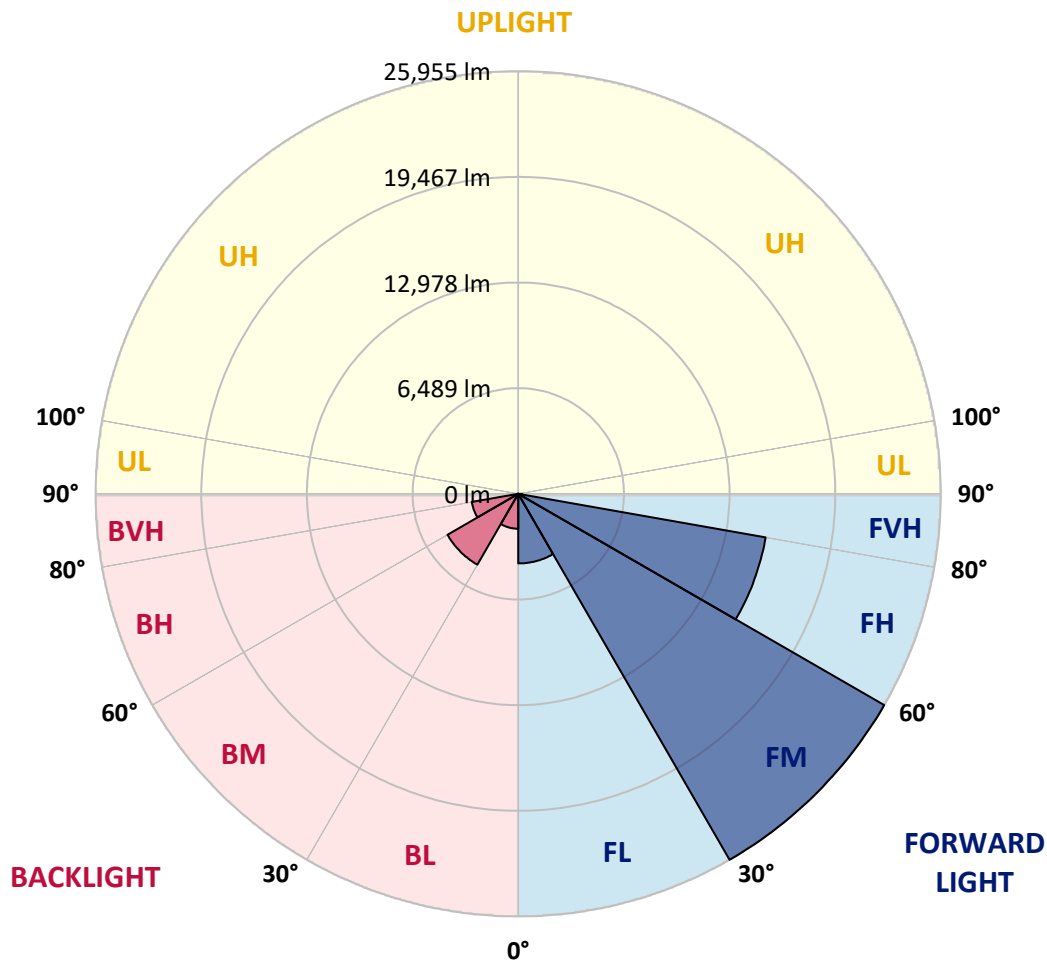


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4275.2	7.6			
FM (30°-60°)	25955.4	46.3			
FH (60°-80°)	15428.7	27.5			G5
FVH (80°-90°)	229.5	0.4			G3/500
BL (0°-30°)	2143.9	3.8	B3/2500		
BM (30°-60°)	5023.8	9.0	B4/8500		
BH (60°-80°)	2897.3	5.2	B4/5000		G4/5000
BVH (80°-90°)	86.2	0.2			G1/100
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°	9283.9	9283.9	9283.9	9283.9	9283.9	9283.9	9283.9	9283.9	9283.9	9283.9
2.5°	9812.5	9869.0	9836.7	9820.6	9792.3	9752.0	9719.7	9618.8	9513.9	9445.3
5°	10010.2	10066.7	10062.6	10078.8	10098.9	10111.1	10103.0	9990.0	9840.7	9723.7
7.5°	9840.7	9905.3	9957.7	10038.4	10179.6	10328.9	10401.6	10377.3	10224.0	10062.6
10°	9360.6	9429.2	9554.3	9743.9	10042.5	10365.2	10635.6	10760.6	10663.8	10486.3
12.5°	8481.0	8549.6	8795.7	9207.3	9707.6	10268.4	10784.9	11119.7	11143.9	10966.4
15°	7492.5	7561.1	7823.4	8339.8	9102.4	10002.1	10865.5	11499.0	11712.8	11559.5
17.5°	6879.2	6939.7	7137.5	7553.0	8347.9	9469.5	10837.3	11902.5	12390.7	12269.6
20°	6693.6	6746.1	6838.9	7129.4	7791.1	8916.8	10651.7	12281.7	13121.0	13052.4
22.5°	6891.3	6939.7	6968.0	7097.1	7512.7	8553.6	10417.7	12669.1	13968.3	13976.3
25°	7347.3	7395.7	7363.4	7444.1	7625.7	8440.7	10328.9	13125.0	15033.4	15122.2
27.5°	8097.7	8101.8	8025.1	8021.1	8049.3	8610.1	10421.7	13613.2	16377.0	16542.4
30°	9602.7	9542.2	9247.6	8928.9	8783.6	9118.5	10680.0	14190.2	17962.7	18257.2
32.5°	11922.7	11833.9	11293.2	10530.7	9764.1	9937.6	11143.9	14847.8	19689.5	20222.1
35°	14440.3	14416.1	13851.3	12717.5	11378.0	11103.6	11898.4	15711.3	21573.7	22421.0
37.5°	16780.5	16768.4	16445.6	15110.1	13480.1	12729.6	13108.9	16841.0	23591.1	24817.7
40°	18918.9	18955.2	18632.4	17438.1	15796.0	14815.6	14755.0	18237.0	25834.4	27428.1
42.5°	20766.8	20807.1	20480.3	19596.7	18083.7	17123.4	16776.4	19947.7	28025.3	30232.3
45°	22021.6	22271.8	22223.3	21517.3	20431.9	19435.3	19205.4	22094.2	30522.8	33205.9
47.5°	22376.7	22606.6	22969.8	23066.6	22404.9	21424.5	21698.8	24680.5	33048.5	36183.5
50°	21501.1	21715.0	22469.5	23474.1	23934.1	23631.5	24123.7	27452.4	35634.8	39153.1
52.5°	19774.2	19992.1	20944.3	22534.0	24410.2	25362.4	26556.6	30183.9	38140.4	41965.3
55°	17276.7	17506.7	18729.3	20528.7	23502.3	26076.5	28586.1	32911.4	40436.1	44495.1
57.5°	13879.5	14049.0	15319.9	17837.6	21218.7	25366.4	30083.0	35889.0	42598.8	46980.5
60°	9045.9	9195.2	10671.9	13480.1	17434.1	22994.0	30381.6	39209.6	45471.5	50212.3
62.5°	6015.8	6116.7	6992.2	9054.0	12277.7	18438.8	28634.5	41860.4	49683.8	55836.7
65°	4127.5	4228.4	5103.9	6540.3	7932.3	12197.0	23611.3	41509.4	53500.6	60303.2
67.5°	2945.4	3030.1	3772.5	5128.2	5741.4	7085.0	16005.8	37022.8	52951.9	60472.6
70°	2110.2	2158.6	2771.9	3994.4	4563.3	4256.6	8900.6	28315.8	46363.2	55840.8
72.5°	1476.7	1492.9	1924.6	3042.2	3675.6	3106.7	4236.5	18878.5	35065.9	43829.4
75°	1000.6	1020.8	1295.2	2231.2	2949.4	2372.4	2243.3	10123.2	20585.2	24260.9
77.5°	613.3	621.3	835.2	1525.1	2207.0	1807.6	1444.4	4288.9	7964.6	7819.3
80°	347.0	347.0	532.6	948.2	1505.0	1166.0	1012.7	1823.7	2521.7	2215.1
82.5°	193.7	197.7	387.3	589.1	996.6	689.9	556.8	843.3	1089.4	964.3
85°	80.7	88.8	238.0	278.4	476.1	343.0	225.9	355.1	403.5	359.1
87.5°	8.1	12.1	72.6	52.5	56.5	68.6	32.3	68.6	56.5	56.5
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°
9283.9	0°	9283.9	9283.9	9283.9	9283.9	9283.9	9283.9	9283.9	9283.9	9283.9	9283.9
9421.1	2.5°	9344.5	9283.9	9130.6	8953.1	8719.1	8606.1	8452.8	8347.9	8259.1	8267.2
9655.1	5°	9526.0	9372.7	9029.7	8602.1	8069.5	7690.2	7286.7	7008.3	6782.4	6734.0
9977.9	7.5°	9776.2	9534.1	8932.9	8162.3	7262.5	6580.7	5971.4	5580.0	5301.6	5212.9
10369.3	10°	10098.9	9747.9	8807.8	7609.5	6314.4	5446.9	4793.3	4486.6	4297.0	4232.4
10829.2	12.5°	10474.2	9994.0	8642.4	6935.7	5338.0	4502.8	4087.2	3933.9	3873.3	3853.2
11394.1	15°	10946.2	10300.7	8392.3	6136.8	4510.8	3925.8	3748.3	3728.1	3736.2	3728.1
12071.9	17.5°	11507.1	10635.6	7984.7	5313.7	3954.0	3631.3	3566.7	3582.8	3603.0	3599.0
12830.5	20°	12120.4	10966.4	7464.3	4583.5	3574.8	3421.5	3385.1	3401.3	3417.4	3409.4
13706.0	22.5°	12818.4	11321.5	6887.3	4014.6	3320.6	3227.8	3187.4	3191.5	3191.5	3175.3
14815.6	25°	13653.6	11712.8	6282.1	3611.1	3126.9	3054.3	3005.9	2989.7	2965.5	2917.1
16163.2	27.5°	14650.1	12128.4	5701.1	3328.7	2973.6	2905.0	2848.5	2808.2	2747.7	2667.0
17781.1	30°	15771.8	12632.8	5208.8	3151.1	2852.6	2784.0	2719.4	2658.9	2570.1	2469.3
19641.1	32.5°	17091.1	13173.4	4849.8	3034.1	2743.6	2671.0	2594.3	2521.7	2424.9	2324.0
21731.1	35°	18664.7	13827.0	4639.9	2953.4	2658.9	2562.1	2477.3	2396.6	2324.0	2235.2
24002.7	37.5°	20371.4	14521.0	4575.4	2913.1	2602.4	2453.1	2356.3	2299.8	2291.7	2239.3
26459.8	40°	22239.5	15344.1	4623.8	2888.9	2541.9	2348.2	2243.3	2231.2	2251.4	2158.6
29086.4	42.5°	24216.5	16320.5	4704.5	2860.6	2457.2	2243.3	2142.4	2142.4	2126.3	1997.2
31862.3	45°	26354.9	17446.2	4785.2	2792.0	2356.3	2138.4	2061.8	2033.5	1964.9	1839.8
34654.4	47.5°	28509.5	18592.1	4845.7	2667.0	2235.2	2049.6	1981.1	1916.5	1815.6	1702.7
37393.9	50°	30555.1	19620.9	4781.2	2481.4	2098.1	1964.9	1892.3	1803.5	1694.6	1617.9
39988.3	52.5°	32382.8	20512.6	4506.8	2263.5	1952.8	1876.2	1811.6	1718.8	1630.0	1549.3
42328.4	55°	33972.5	21234.8	4022.6	2057.7	1823.7	1799.5	1734.9	1617.9	1496.9	1428.3
44648.4	57.5°	35497.6	21783.5	3417.4	1888.3	1706.7	1714.8	1617.9	1513.0	1400.1	1327.4
47775.3	60°	37527.1	22517.9	2804.1	1730.9	1581.6	1605.8	1500.9	1424.3	1283.0	1190.2
53137.5	62.5°	40771.0	23659.7	2227.2	1537.2	1436.4	1444.4	1400.1	1307.3	1137.8	1028.9
57111.7	65°	43345.2	23240.1	1755.1	1327.4	1270.9	1283.0	1283.0	1182.2	1000.6	875.5
57325.6	67.5°	43054.7	19899.3	1400.1	1121.7	1113.6	1121.7	1149.9	1065.2	887.6	786.8
52960.0	70°	39661.5	15828.3	1121.7	932.0	968.3	948.2	1028.9	972.4	798.9	698.0
41057.5	72.5°	32362.6	11402.2	855.4	770.6	742.4	774.7	928.0	875.5	665.7	552.8
21747.2	75°	18910.8	6084.4	637.5	609.2	536.6	645.6	823.1	746.4	508.4	407.5
6665.4	77.5°	6157.0	2122.3	468.0	447.9	399.4	520.5	702.0	629.4	415.6	322.8
1952.8	80°	1650.2	641.5	318.7	294.5	258.2	387.3	556.8	500.3	298.6	209.8
839.2	82.5°	661.7	270.3	185.6	165.4	141.2	266.3	439.8	403.5	221.9	133.1
262.3	85°	213.8	88.8	68.6	52.5	64.6	165.4	262.3	274.4	157.4	68.6
40.3	87.5°	28.2	12.1	12.1	16.1	12.1	28.2	80.7	76.7	44.4	8.1
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°
9283.9
8186.5
6625.0
5124.1
4184.0
3841.1
3724.1
3590.9
3405.3
3167.3
2909.0
2658.9
2461.2
2328.0
2227.2
2235.2
2162.6
1997.2
1835.8
1698.6
1605.8
1541.3
1420.2
1319.4
1178.1
1020.8
863.4
770.6
685.9
540.7
395.4
310.7
205.8
133.1
52.5
0.0
0.0

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