

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: P850817

Luminaire Tested: **GLAN-SB8C-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850817
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-SB8C-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 615mA 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: 45878 lumens
Efficiency: N/A
Efficacy: 114.8 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

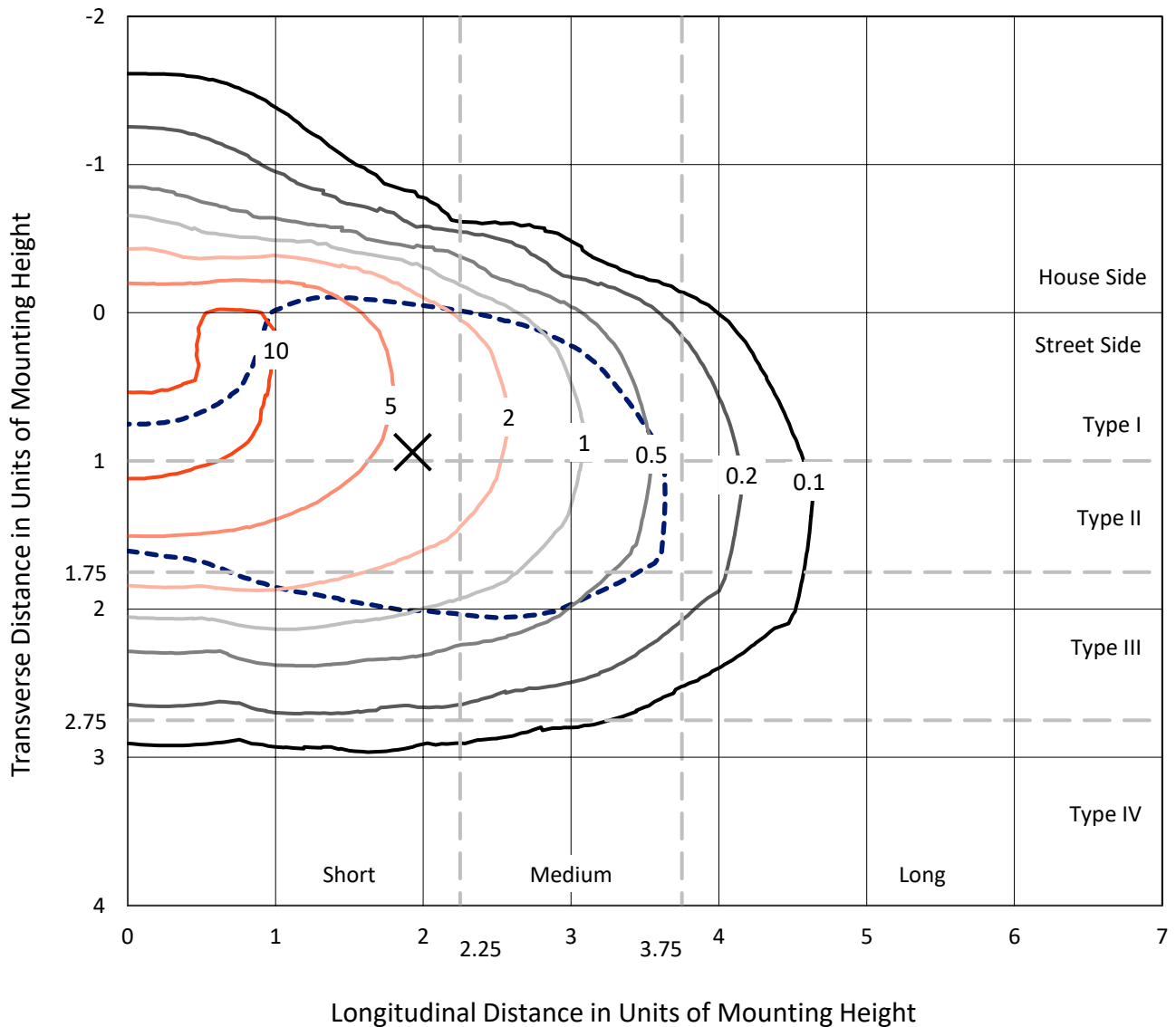
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

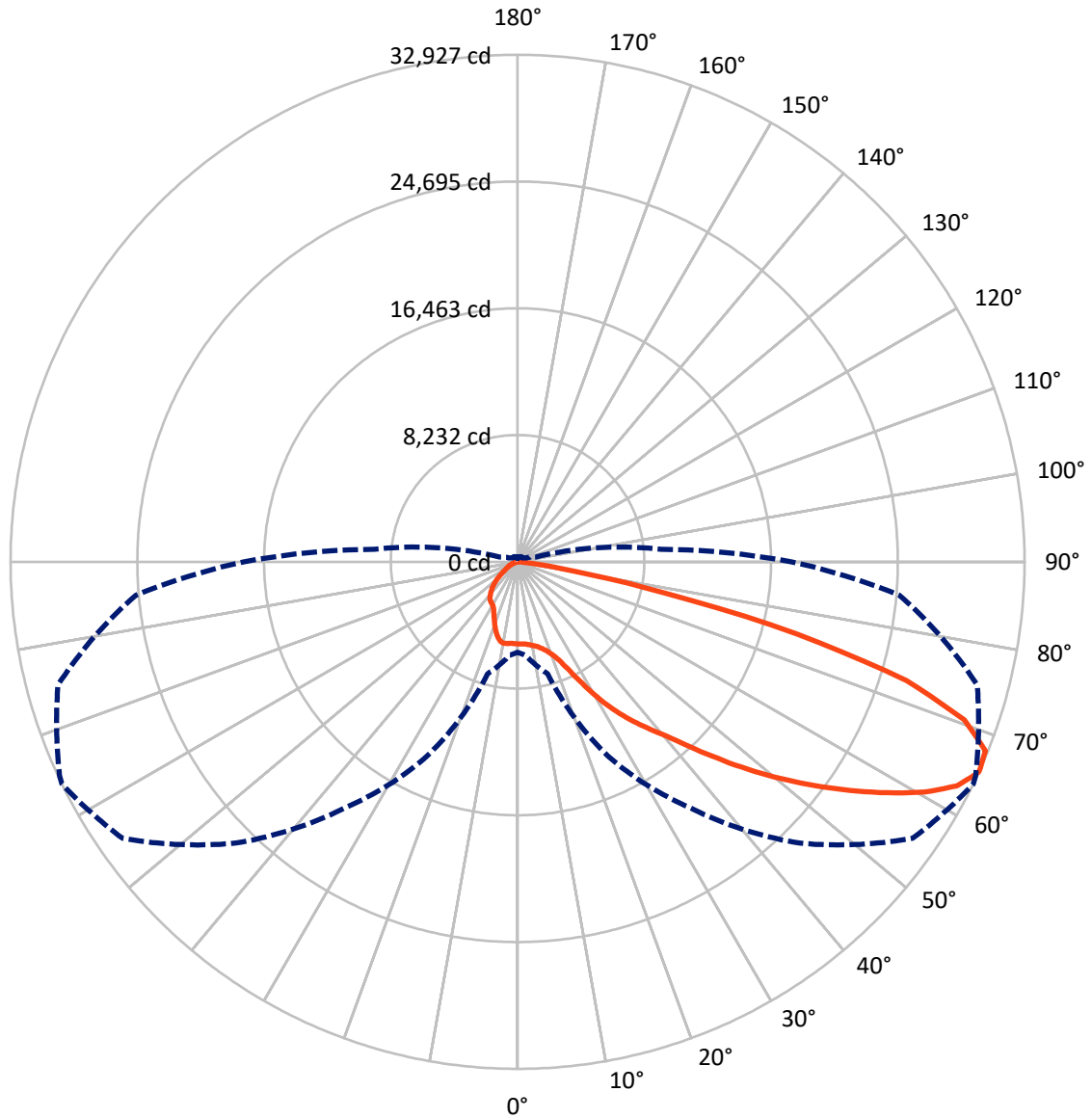
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 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
House Side	Lumens	6135.3	0.0	6135.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	39742.7	0.0	39742.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	45878.0	0.0	45878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.3	1.1
10°-20°	1335.3	2.9
20°-30°	2530.2	5.5
30°-40°	5120.0	11.2
40°-50°	8722.0	19.0
50°-60°	11861.2	25.9
60°-70°	11138.3	24.3
70°-80°	4462.5	9.7
80°-90°	216.2	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°	45878.0	100.0
0°-180°	45878.0	100.0

Coefficient of Utilization

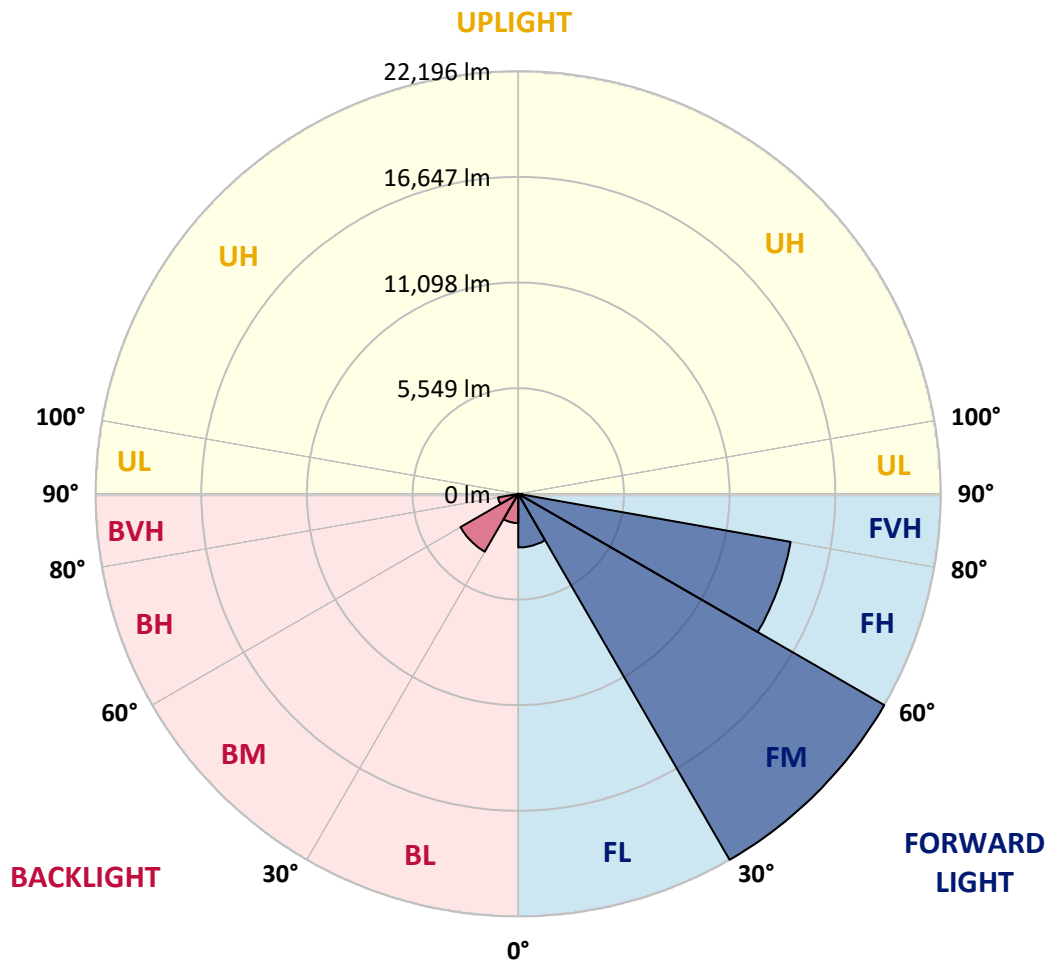


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2817.4	6.1			
FM (30°-60°)	22195.7	48.4			
FH (60°-80°)	14523.9	31.7			G5
FVH (80°-90°)	205.6	0.4			G2/225
BL (0°-30°)	1540.4	3.4	B3/2500		
BM (30°-60°)	3507.5	7.6	B3/5000		
BH (60°-80°)	1076.8	2.3	B3/2500		G3/2500
BVH (80°-90°)	10.6	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°	5336.1	5336.1	5336.1	5336.1	5336.1	5336.1	5336.1	5336.1	5336.1	5336.1
2.5°	5317.6	5354.5	5345.3	5336.1	5333.0	5339.2	5342.2	5339.2	5339.2	5339.2
5°	5216.1	5246.9	5246.9	5268.4	5299.2	5336.1	5363.8	5369.9	5376.1	5385.3
7.5°	5022.4	5047.0	5065.4	5136.2	5213.1	5311.5	5394.5	5437.6	5443.7	5477.6
10°	4890.1	4920.9	4951.6	5025.5	5136.2	5283.8	5425.3	5529.8	5545.2	5625.2
12.5°	4884.0	4914.7	4954.7	5034.7	5163.9	5320.7	5492.9	5643.6	5671.3	5788.2
15°	4948.6	4985.5	5022.4	5120.8	5259.2	5449.9	5634.4	5822.0	5849.7	6015.8
17.5°	5080.8	5130.0	5157.7	5256.1	5403.7	5616.0	5858.9	6074.2	6098.8	6292.6
20°	5342.2	5400.7	5409.9	5489.9	5634.4	5862.0	6151.1	6418.7	6449.4	6670.9
22.5°	5883.5	5966.6	5892.8	5932.7	6061.9	6289.5	6603.2	6941.5	6984.6	7236.8
25°	6837.0	6953.8	6763.1	6695.5	6750.8	6987.7	7381.3	7808.8	7858.0	8061.0
27.5°	8710.0	8559.3	8270.2	7987.2	7821.1	7956.5	8399.3	8928.3	8989.8	9186.7
30°	10767.5	10635.3	10244.7	9617.3	9223.6	9202.1	9611.1	10201.6	10272.4	10460.0
32.5°	12828.1	12702.0	12277.6	11505.7	10822.9	10484.6	10767.5	11422.6	11459.5	11579.5
35°	14854.9	14725.8	14301.3	13510.9	12671.3	11902.4	11847.0	12585.2	12597.5	12723.6
37.5°	16894.0	16786.4	16334.3	15559.2	14731.9	13670.8	13157.2	13686.2	13701.6	13824.6
40°	18348.8	18394.9	18084.3	17484.5	16774.1	15614.6	14627.3	14858.0	14765.7	14971.8
42.5°	19597.4	19689.7	19419.1	19117.6	18705.5	17684.4	16448.1	16408.1	16260.5	16371.2
45°	20677.0	20753.8	20510.9	20440.1	20430.9	19714.3	18438.0	18198.1	17992.0	17970.5
47.5°	21073.7	21221.3	21325.9	21562.7	22024.0	21722.6	20495.5	20123.4	19892.7	19723.5
50°	21224.4	21381.3	21738.0	22426.9	23518.8	23647.9	22543.8	22125.5	21842.6	21535.0
52.5°	21021.4	21301.3	21781.1	22940.6	24524.5	25191.9	24509.1	24143.1	23820.2	23318.9
55°	19825.0	20104.9	21086.0	22934.4	25025.8	26274.5	26366.7	26203.7	25840.8	25050.4
57.5°	17303.1	17718.3	19271.4	22153.2	25016.6	27206.4	28187.5	28304.3	27898.4	26766.6
60°	13809.2	14372.1	16266.6	20421.7	24244.6	27710.7	29783.7	30368.0	29937.5	28458.1
62.5°	9635.7	10287.7	12080.8	17709.0	22479.2	27347.8	30949.3	32028.8	31702.8	29971.3
65°	5877.4	6086.5	7532.0	13935.3	19477.5	25828.5	31309.1	32926.9	32819.2	30897.0
67.5°	3915.2	4090.5	4505.7	9555.7	15119.4	22792.9	30448.0	32770.0	32800.8	30746.3
70°	2359.0	2509.7	2780.3	5557.5	9798.7	18041.2	27781.5	30770.9	30949.3	28731.8
72.5°	971.9	1073.4	1319.4	2518.9	5074.7	11450.3	22122.5	26419.0	26834.2	24158.5
75°	550.5	602.8	775.0	1264.1	2202.1	5336.1	13400.2	18754.7	19366.8	16651.1
77.5°	366.0	390.6	501.3	818.1	1239.4	1820.7	5726.7	9771.0	10939.7	9094.4
80°	246.0	267.6	344.5	547.4	805.8	781.2	1823.8	3619.9	4453.4	3124.8
82.5°	166.1	169.2	246.0	359.8	510.5	378.3	538.2	1125.7	1414.8	904.2
85°	95.3	92.3	181.5	209.1	227.6	156.9	163.0	338.3	442.9	381.4
87.5°	12.3	18.5	70.7	55.4	30.8	33.8	33.8	58.4	86.1	92.3
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°
5336.1	0°	5336.1	5336.1	5336.1	5336.1	5336.1	5336.1	5336.1	5336.1	5336.1	5336.1
5342.2	2.5°	5342.2	5339.2	5329.9	5320.7	5299.2	5286.9	5293.0	5286.9	5283.8	5286.9
5382.2	5°	5382.2	5373.0	5348.4	5317.6	5274.6	5222.3	5188.5	5139.3	5093.1	5065.4
5489.9	7.5°	5489.9	5480.6	5446.8	5360.7	5222.3	5003.9	4804.0	4628.7	4496.5	4419.6
5662.1	10°	5662.1	5646.7	5594.4	5403.7	5040.8	4564.1	4167.4	3838.3	3623.0	3521.5
5865.1	12.5°	5865.1	5846.6	5754.4	5363.8	4696.4	3952.1	3404.6	3038.6	2838.7	2749.5
6098.8	15°	6105.0	6080.4	5898.9	5173.1	4195.1	3275.5	2774.2	2500.4	2371.3	2291.3
6397.2	17.5°	6403.3	6360.2	6006.6	4887.1	3650.7	2758.8	2386.6	2180.6	2066.8	1989.9
6787.7	20°	6790.8	6720.1	6092.7	4545.7	3149.4	2432.8	2125.2	1953.0	1866.9	1799.2
7341.3	22.5°	7332.1	7230.6	6197.2	4176.6	2795.7	2208.2	1931.4	1805.4	1734.6	1657.7
8113.3	25°	8002.6	7882.6	6326.4	3835.2	2552.7	2014.5	1790.0	1685.4	1602.4	1513.2
9125.2	27.5°	8940.6	8725.3	6480.2	3555.3	2343.6	1848.4	1660.8	1543.9	1448.6	1374.8
10272.4	30°	9986.3	9632.6	6615.5	3386.2	2152.9	1694.6	1491.6	1374.8	1285.6	1233.3
11302.7	32.5°	10976.7	10496.9	6704.7	3312.4	1980.7	1519.3	1307.1	1181.0	1113.4	1098.0
12311.4	35°	11911.6	11278.1	6695.5	3241.6	1826.9	1344.0	1125.7	996.5	944.2	953.4
13397.1	37.5°	12988.1	12111.5	6630.9	3130.9	1700.8	1184.1	968.8	855.0	808.9	811.9
14716.5	40°	14239.8	13074.2	6590.9	2921.8	1562.4	1036.5	839.6	747.4	713.5	701.2
16106.7	42.5°	15574.6	14006.1	6597.1	2685.0	1390.2	904.2	750.4	673.5	642.8	633.6
17653.7	45°	16915.6	14894.9	6606.3	2438.9	1208.7	802.7	685.8	621.3	602.8	590.5
19222.2	47.5°	18176.5	15651.5	6434.1	2174.4	1030.3	725.8	633.6	590.5	575.1	559.8
20796.9	50°	19351.4	16155.9	6018.9	1866.9	888.8	664.3	593.6	562.8	547.4	532.1
22224.0	52.5°	20264.8	16235.9	5333.0	1550.1	790.4	618.2	569.0	541.3	522.8	507.5
23377.3	55°	20670.8	15734.5	4358.1	1254.8	713.5	578.2	544.4	516.7	495.2	479.8
24284.6	57.5°	20566.2	14679.6	3398.5	1008.8	639.7	538.2	513.6	495.2	470.6	446.0
25019.6	60°	20052.6	13267.9	2561.9	839.6	572.1	495.2	479.8	464.4	430.6	393.7
25302.6	62.5°	19163.8	11493.3	1826.9	695.1	498.2	446.0	439.8	427.5	378.3	310.6
24884.3	65°	17804.4	9337.4	1230.2	578.2	427.5	390.6	393.7	372.1	307.6	230.7
23352.7	67.5°	15817.6	6827.7	787.3	473.6	356.8	326.0	329.1	316.8	261.4	196.8
20449.4	70°	13286.4	4521.1	513.6	359.8	286.0	252.2	270.6	273.7	221.4	159.9
15694.6	72.5°	9740.3	2669.6	359.8	267.6	209.1	175.3	221.4	227.6	178.4	119.9
9442.0	75°	5551.4	1267.1	270.6	193.8	129.2	123.0	172.2	172.2	123.0	80.0
4087.4	77.5°	2331.3	529.0	190.7	126.1	73.8	70.7	116.9	107.6	61.5	36.9
996.5	80°	673.5	236.8	101.5	61.5	30.8	27.7	46.1	33.8	15.4	6.2
378.3	82.5°	264.5	104.6	40.0	24.6	12.3	12.3	6.2	0.0	0.0	0.0
215.3	85°	156.9	43.1	18.5	9.2	3.1	0.0	0.0	0.0	0.0	0.0
46.1	87.5°	40.0	9.2	6.2	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°
5336.1
5299.2
5071.6
4422.6
3512.3
2740.3
2294.4
1983.7
1786.9
1645.4
1503.9
1359.4
1224.1
1107.2
953.4
824.2
698.2
630.5
590.5
559.8
532.1
504.4
476.7
442.9
387.5
304.5
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113.8
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