

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: P849637

Luminaire Tested: **GLAN-SB6D-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849637
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-SB6D-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 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: 47491 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

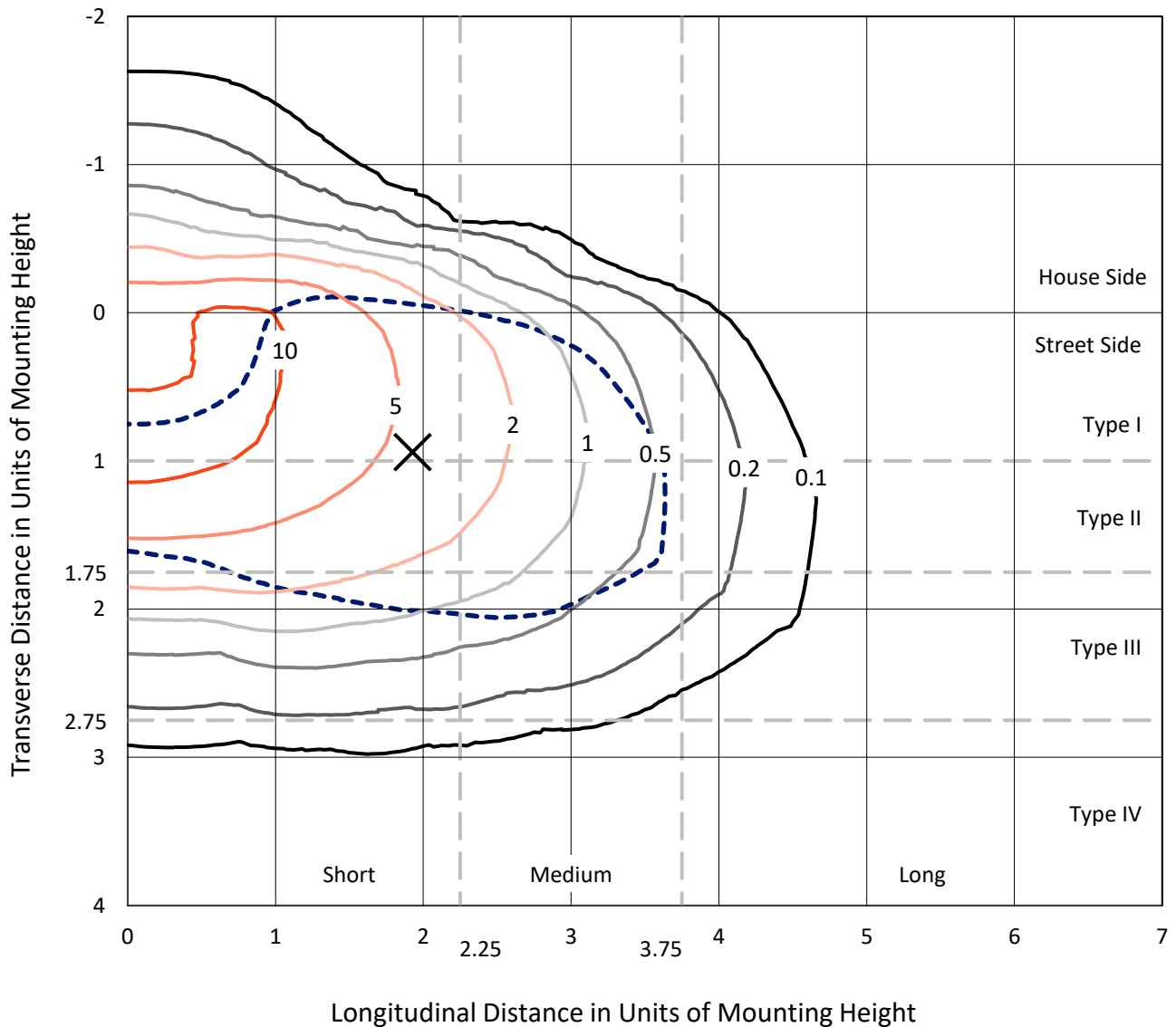
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

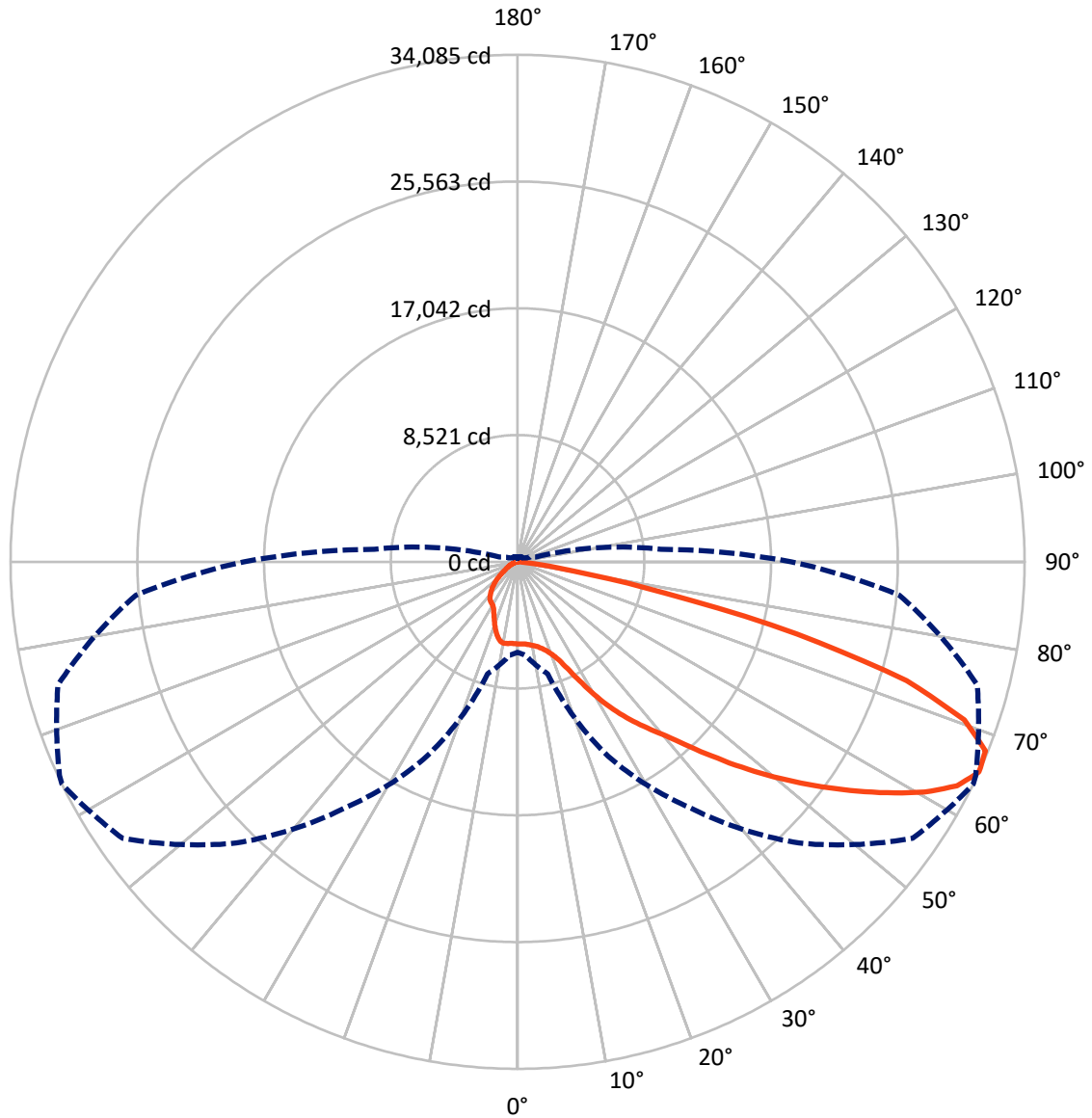
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 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
House Side	Lumens	6351.0	0.0	6351.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	41140.0	0.0	41140.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	47491.0	0.0	47491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.6	1.1
10°-20°	1382.2	2.9
20°-30°	2619.2	5.5
30°-40°	5300.0	11.2
40°-50°	9028.6	19.0
50°-60°	12278.2	25.9
60°-70°	11529.9	24.3
70°-80°	4619.4	9.7
80°-90°	223.8	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°	47491.0	100.0
0°-180°	47491.0	100.0

Coefficient of Utilization



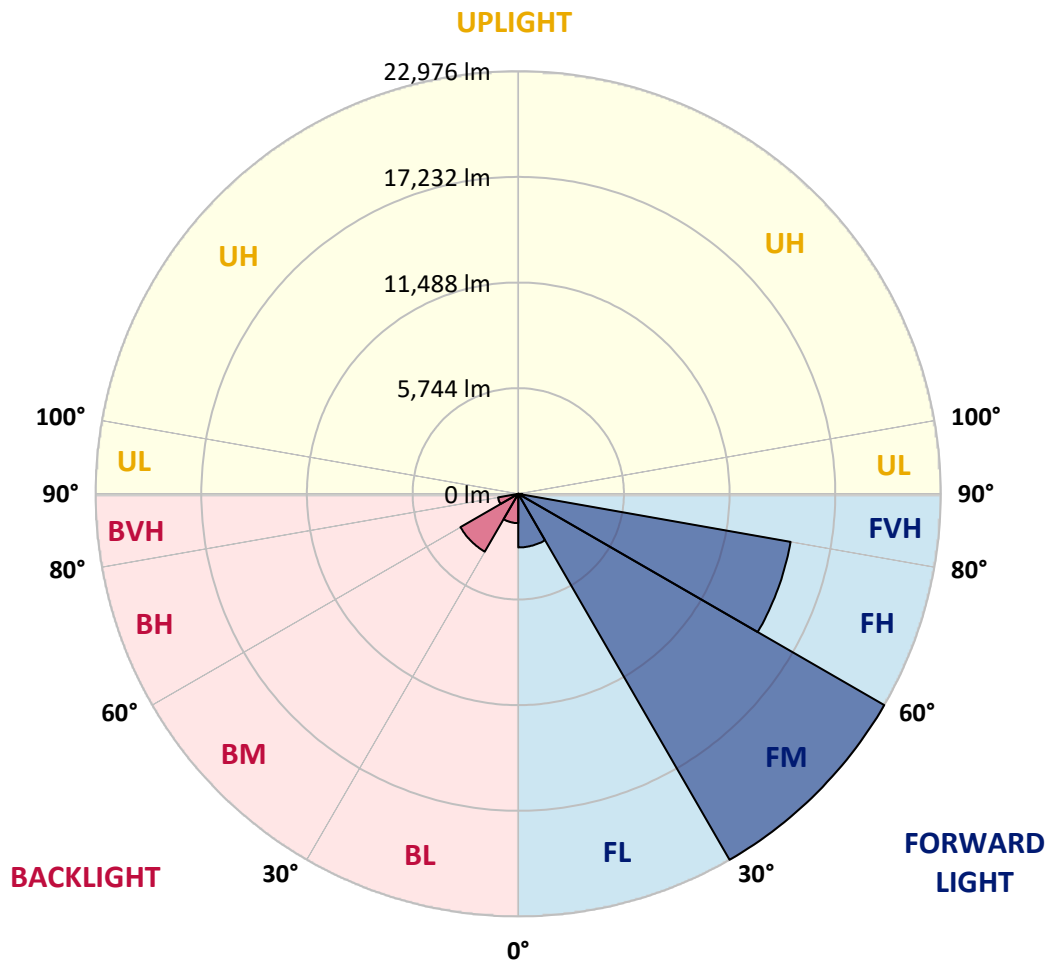
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2916.5	6.1			
FM (30°-60°)	22976.1	48.4			
FH (60°-80°)	15034.6	31.7			G5
FVH (80°-90°)	212.9	0.4			G2/225
BL (0°-30°)	1594.5	3.4	B3/2500		
BM (30°-60°)	3630.8	7.6	B3/5000		
BH (60°-80°)	1114.7	2.3	B3/2500		G3/2500
BVH (80°-90°)	10.9	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°	5523.7	5523.7	5523.7	5523.7	5523.7	5523.7	5523.7	5523.7	5523.7	5523.7
2.5°	5504.6	5542.8	5533.2	5523.7	5520.5	5526.9	5530.1	5526.9	5526.9	5526.9
5°	5399.5	5431.4	5431.4	5453.7	5485.5	5523.7	5552.3	5558.7	5565.1	5574.6
7.5°	5199.0	5224.4	5243.5	5316.8	5396.3	5498.2	5584.2	5628.8	5635.1	5670.1
10°	5062.1	5093.9	5125.7	5202.1	5316.8	5469.6	5616.0	5724.3	5740.2	5823.0
12.5°	5055.7	5087.5	5128.9	5211.7	5345.4	5507.8	5686.1	5842.1	5870.7	5991.7
15°	5122.6	5160.8	5199.0	5300.8	5444.1	5641.5	5832.5	6026.7	6055.4	6227.3
17.5°	5259.5	5310.4	5339.0	5440.9	5593.7	5813.4	6064.9	6287.8	6313.3	6513.8
20°	5530.1	5590.6	5600.1	5682.9	5832.5	6068.1	6367.4	6644.4	6676.2	6905.4
22.5°	6090.4	6176.4	6099.9	6141.3	6275.0	6510.6	6835.4	7185.6	7230.2	7491.2
25°	7077.3	7198.3	7000.9	6930.9	6988.2	7233.3	7640.8	8083.4	8134.3	8344.4
27.5°	9016.2	8860.2	8560.9	8268.0	8096.1	8236.2	8694.6	9242.2	9305.9	9509.7
30°	11146.1	11009.2	10604.9	9955.4	9547.9	9525.6	9949.0	10560.3	10633.5	10827.7
32.5°	13279.2	13148.6	12709.3	11910.2	11203.4	10853.2	11146.1	11824.2	11862.4	11986.6
35°	15377.2	15243.5	14804.1	13985.9	13116.8	12320.9	12263.6	13027.6	13040.4	13170.9
37.5°	17488.0	17376.6	16908.6	16106.3	15249.9	14151.5	13619.8	14167.4	14183.3	14310.7
40°	18993.9	19041.6	18720.1	18099.3	17363.8	16163.6	15141.6	15380.4	15284.9	15498.2
42.5°	20286.5	20382.0	20101.8	19789.8	19363.2	18306.2	17026.4	16985.0	16832.2	16946.8
45°	21403.9	21483.5	21232.0	21158.8	21149.2	20407.4	19086.2	18837.9	18624.6	18602.3
47.5°	21814.6	21967.4	22075.7	22320.8	22798.4	22486.4	21216.1	20830.9	20592.1	20417.0
50°	21970.6	22133.0	22502.3	23215.4	24345.7	24479.4	23336.4	22903.4	22610.5	22292.2
52.5°	21760.5	22050.2	22546.9	23747.1	25386.7	26077.6	25370.8	24991.9	24657.7	24138.7
55°	20522.0	20811.8	21827.4	23740.8	25905.7	27198.2	27293.7	27125.0	26749.3	25931.1
57.5°	17911.4	18341.2	19949.0	22932.1	25896.1	28162.9	29178.5	29299.5	28879.2	27707.6
60°	14294.8	14877.4	16838.5	21139.7	25097.0	28685.0	30830.8	31435.7	30990.0	29458.7
62.5°	9974.5	10649.4	12505.5	18331.7	23269.6	28309.3	32037.4	33154.9	32817.4	31025.0
65°	6084.0	6300.5	7796.8	14425.3	20162.3	26736.6	32409.9	34084.5	33973.1	31983.3
67.5°	4052.8	4234.3	4664.1	9891.7	15651.0	23594.3	31518.5	33922.2	33954.0	31827.3
70°	2441.9	2597.9	2878.1	5752.9	10143.2	18675.5	28758.2	31852.8	32037.4	29742.0
72.5°	1006.0	1111.1	1365.8	2607.4	5253.1	11852.9	22900.3	27347.9	27777.7	25007.9
75°	569.9	624.0	802.3	1308.5	2279.5	5523.7	13871.3	19414.1	20047.7	17236.5
77.5°	378.9	404.3	518.9	846.9	1283.0	1884.7	5928.0	10114.6	11324.4	9414.2
80°	254.7	277.0	356.6	566.7	834.1	808.7	1887.9	3747.2	4610.0	3234.6
82.5°	171.9	175.1	254.7	372.5	528.5	391.6	557.1	1165.2	1464.5	936.0
85°	98.7	95.5	187.8	216.5	235.6	162.4	168.7	350.2	458.5	394.8
87.5°	12.7	19.1	73.2	57.3	31.8	35.0	35.0	60.5	89.1	95.5
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°
5523.7	0°	5523.7	5523.7	5523.7	5523.7	5523.7	5523.7	5523.7	5523.7	5523.7	5523.7
5530.1	2.5°	5530.1	5526.9	5517.3	5507.8	5485.5	5472.8	5479.1	5472.8	5469.6	5472.8
5571.5	5°	5571.5	5561.9	5536.4	5504.6	5460.0	5405.9	5370.9	5319.9	5272.2	5243.5
5682.9	7.5°	5682.9	5673.3	5638.3	5549.2	5405.9	5179.9	4972.9	4791.4	4654.5	4575.0
5861.2	10°	5861.2	5845.2	5791.1	5593.7	5218.1	4724.6	4313.9	3973.2	3750.4	3645.3
6071.3	12.5°	6071.3	6052.2	5956.7	5552.3	4861.5	4091.0	3524.3	3145.5	2938.5	2846.2
6313.3	15°	6319.6	6294.1	6106.3	5355.0	4342.5	3390.6	2871.7	2588.3	2454.6	2371.8
6622.1	17.5°	6628.4	6583.9	6217.7	5058.9	3779.0	2855.8	2470.5	2257.2	2139.4	2059.8
7026.4	20°	7029.6	6956.4	6306.9	4705.5	3260.1	2518.3	2199.9	2021.6	1932.5	1862.5
7599.5	22.5°	7589.9	7484.8	6415.1	4323.4	2894.0	2285.9	1999.4	1868.8	1795.6	1716.0
8398.6	25°	8284.0	8159.8	6548.8	3970.1	2642.5	2085.3	1852.9	1744.7	1658.7	1566.4
9446.0	27.5°	9255.0	9032.1	6708.0	3680.3	2426.0	1913.4	1719.2	1598.2	1499.5	1423.1
10633.5	30°	10337.4	9971.3	6848.1	3505.2	2228.6	1754.2	1544.1	1423.1	1330.8	1276.7
11700.0	32.5°	11362.6	10865.9	6940.4	3428.8	2050.3	1572.7	1353.1	1222.5	1152.5	1136.6
12744.3	35°	12330.4	11674.6	6930.9	3355.6	1891.1	1391.3	1165.2	1031.5	977.4	986.9
13868.1	37.5°	13444.7	12537.4	6864.0	3241.0	1760.6	1225.7	1002.9	885.1	837.3	840.5
15233.9	40°	14740.5	13533.9	6822.6	3024.5	1617.3	1072.9	869.1	773.6	738.6	725.9
16673.0	42.5°	16122.2	14498.5	6829.0	2779.4	1439.0	936.0	776.8	697.2	665.4	655.8
18274.4	45°	17510.3	15418.6	6838.6	2524.7	1251.2	830.9	710.0	643.1	624.0	611.3
19898.0	47.5°	18815.6	16201.8	6660.3	2250.9	1066.5	751.4	655.8	611.3	595.3	579.4
21528.1	50°	20031.8	16723.9	6230.5	1932.5	920.1	687.7	614.5	582.6	566.7	550.8
23005.3	52.5°	20977.3	16806.7	5520.5	1604.6	818.2	639.9	589.0	560.3	541.2	525.3
24199.2	55°	21397.6	16287.7	4511.3	1298.9	738.6	598.5	563.5	534.9	512.6	496.7
25138.4	57.5°	21289.3	15195.7	3518.0	1044.2	662.2	557.1	531.7	512.6	487.1	461.6
25899.3	60°	20757.6	13734.4	2652.0	869.1	592.2	512.6	496.7	480.7	445.7	407.5
26192.2	62.5°	19837.6	11897.4	1891.1	719.5	515.8	461.6	455.3	442.5	391.6	321.6
25759.2	65°	18430.4	9665.7	1273.5	598.5	442.5	404.3	407.5	385.2	318.4	238.8
24173.7	67.5°	16373.7	7067.8	815.0	490.3	369.3	337.5	340.7	327.9	270.6	203.8
21168.3	70°	13753.5	4680.0	531.7	372.5	296.1	261.1	280.2	283.3	229.2	165.6
16246.4	72.5°	10082.7	2763.4	372.5	277.0	216.5	181.5	229.2	235.6	184.7	124.2
9773.9	75°	5746.6	1311.7	280.2	200.6	133.7	127.3	178.3	178.3	127.3	82.8
4231.1	77.5°	2413.2	547.6	197.4	130.5	76.4	73.2	121.0	111.4	63.7	38.2
1031.5	80°	697.2	245.1	105.1	63.7	31.8	28.7	47.8	35.0	15.9	6.4
391.6	82.5°	273.8	108.2	41.4	25.5	12.7	12.7	6.4	0.0	0.0	0.0
222.9	85°	162.4	44.6	19.1	9.6	3.2	0.0	0.0	0.0	0.0	0.0
47.8	87.5°	41.4	9.6	6.4	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°
5523.7
5485.5
5249.9
4578.1
3635.8
2836.7
2375.0
2053.5
1849.7
1703.3
1556.8
1407.2
1267.1
1146.1
986.9
853.2
722.7
652.7
611.3
579.4
550.8
522.1
493.5
458.5
401.1
315.2
232.4
194.2
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117.8
76.4
38.2
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