

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: P851577

Luminaire Tested: **GLAN-SB9C-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851577
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-SB9C-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 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: 47576 lumens
Efficiency: N/A
Efficacy: 105.8 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

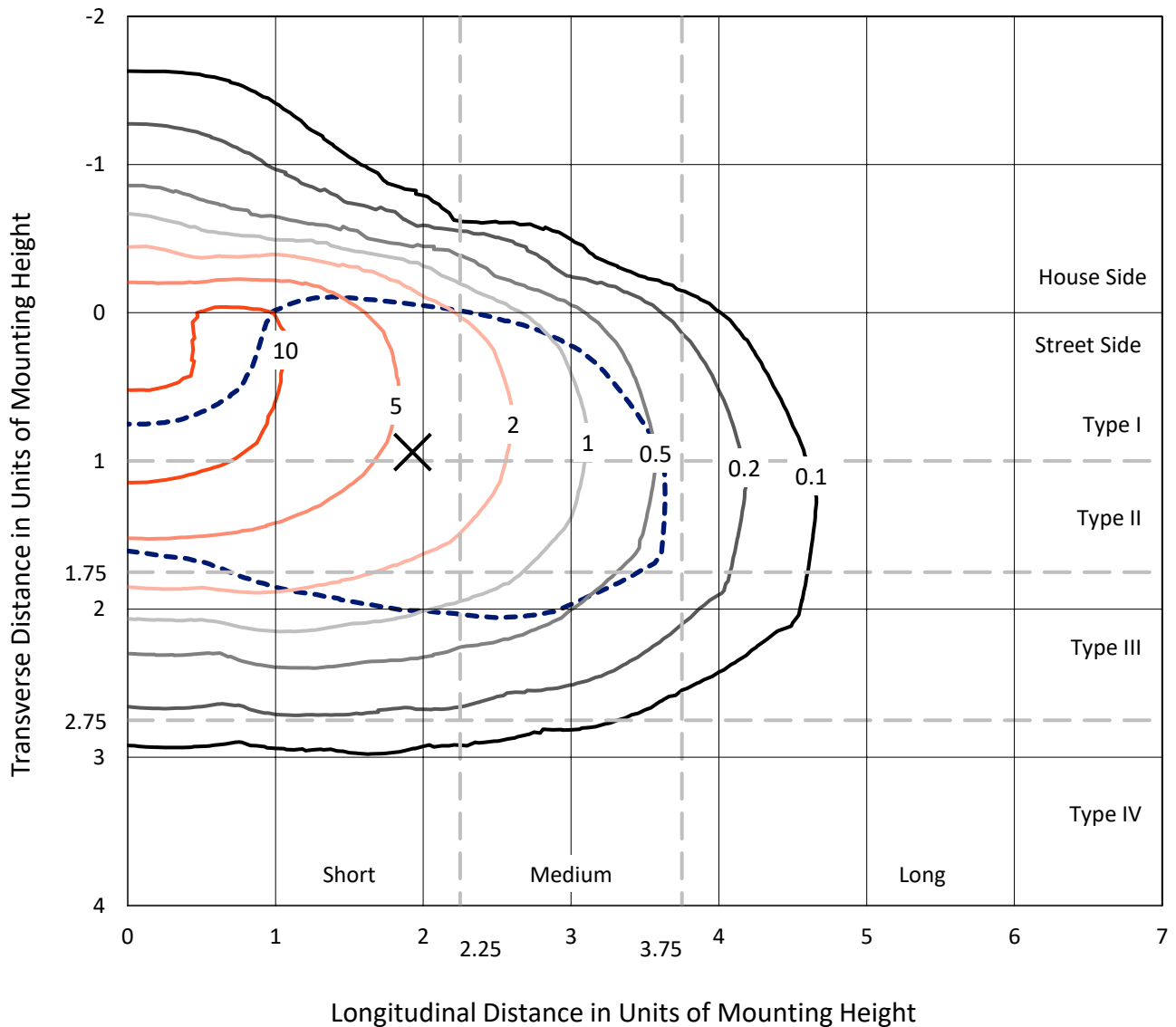
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

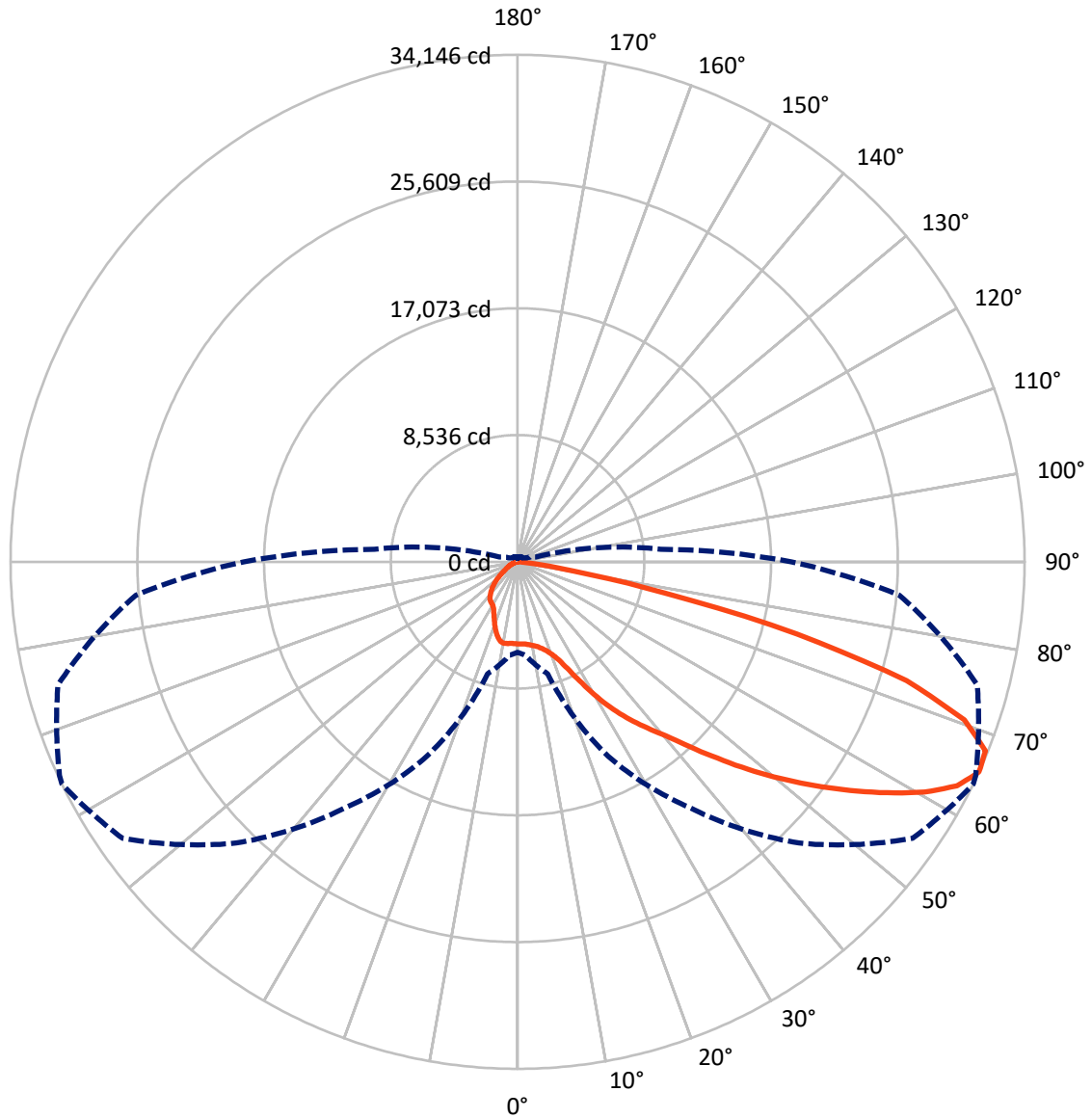
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 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	6362.4	0.0	6362.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	41213.6	0.0	41213.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	47576.0	0.0	47576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.5	1.1
10°-20°	1384.7	2.9
20°-30°	2623.9	5.5
30°-40°	5309.5	11.2
40°-50°	9044.8	19.0
50°-60°	12300.2	25.9
60°-70°	11550.5	24.3
70°-80°	4627.6	9.7
80°-90°	224.2	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°	47576.0	100.0
0°-180°	47576.0	100.0

Coefficient of Utilization



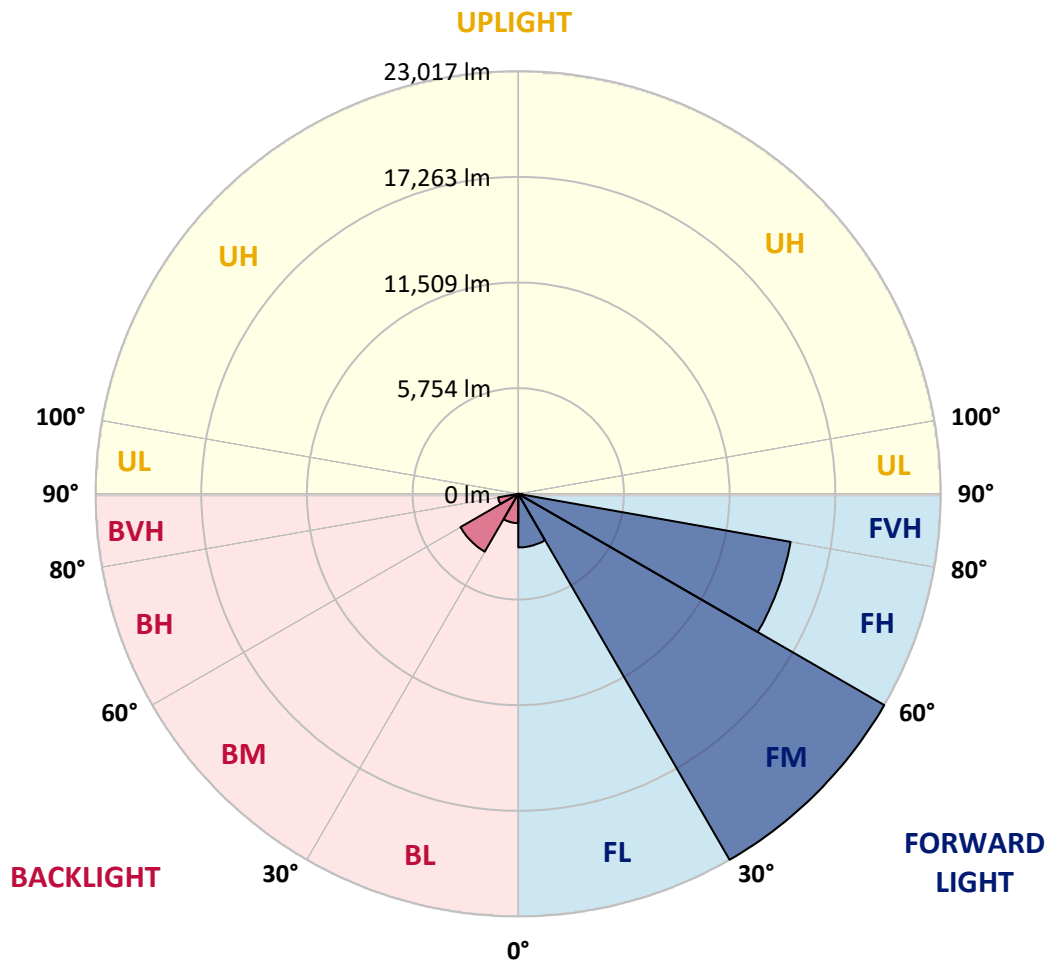
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2921.7	6.1			
FM (30°-60°)	23017.2	48.4			
FH (60°-80°)	15061.5	31.7			G5
FVH (80°-90°)	213.2	0.4			G2/225
BL (0°-30°)	1597.4	3.4	B3/2500		
BM (30°-60°)	3637.3	7.6	B3/5000		
BH (60°-80°)	1116.7	2.3	B3/2500		G3/2500
BVH (80°-90°)	11.0	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°	5533.6	5533.6	5533.6	5533.6	5533.6	5533.6	5533.6	5533.6	5533.6	5533.6
2.5°	5514.4	5552.7	5543.2	5533.6	5530.4	5536.8	5540.0	5536.8	5536.8	5536.8
5°	5409.2	5441.1	5441.1	5463.4	5495.3	5533.6	5562.3	5568.7	5575.0	5584.6
7.5°	5208.3	5233.8	5252.9	5326.3	5406.0	5508.1	5594.2	5638.8	5645.2	5680.3
10°	5071.1	5103.0	5134.9	5211.5	5326.3	5479.4	5626.1	5734.5	5750.5	5833.4
12.5°	5064.7	5096.6	5138.1	5221.0	5355.0	5517.6	5696.2	5852.5	5881.2	6002.4
15°	5131.7	5170.0	5208.3	5310.3	5453.8	5651.6	5843.0	6037.5	6066.2	6238.4
17.5°	5268.9	5319.9	5348.6	5450.7	5603.7	5823.8	6075.8	6299.0	6324.6	6525.5
20°	5540.0	5600.6	5610.1	5693.1	5843.0	6079.0	6378.8	6656.2	6688.1	6917.8
22.5°	6101.3	6187.4	6110.9	6152.3	6286.3	6522.3	6847.6	7198.4	7243.1	7504.6
25°	7090.0	7211.2	7013.5	6943.3	7000.7	7246.3	7654.5	8097.8	8148.9	8359.4
27.5°	9032.3	8876.1	8576.3	8282.8	8110.6	8250.9	8710.2	9258.8	9322.6	9526.7
30°	11166.0	11028.9	10623.8	9973.2	9565.0	9542.6	9966.8	10579.2	10652.5	10847.1
32.5°	13302.9	13172.2	12732.0	11931.5	11223.4	10872.6	11166.0	11845.4	11883.6	12008.0
35°	15404.7	15270.8	14830.6	14011.0	13140.3	12342.9	12285.5	13051.0	13063.7	13194.5
37.5°	17519.3	17407.7	16938.8	16135.1	15277.2	14176.8	13644.2	14192.8	14208.7	14336.3
40°	19027.9	19075.7	18753.6	18131.7	17394.9	16192.5	15168.7	15407.9	15312.2	15525.9
42.5°	20322.8	20418.4	20137.8	19825.2	19397.8	18339.0	17056.8	17015.4	16862.3	16977.1
45°	21442.2	21522.0	21270.0	21196.7	21187.1	20444.0	19120.4	18871.6	18657.9	18635.6
47.5°	21853.7	22006.8	22115.2	22360.8	22839.2	22526.6	21254.1	20868.1	20628.9	20453.5
50°	22009.9	22172.6	22542.6	23257.0	24389.2	24523.2	23378.2	22944.4	22651.0	22332.1
52.5°	21799.4	22089.7	22587.2	23789.6	25432.2	26124.3	25416.2	25036.7	24701.8	24181.9
55°	20558.8	20849.0	21866.4	23783.2	25952.0	27246.9	27342.6	27173.6	26797.2	25977.5
57.5°	17943.5	18374.0	19984.7	22973.1	25942.5	28213.3	29230.7	29351.9	28930.9	27757.2
60°	14320.3	14904.0	16868.7	21177.5	25141.9	28736.4	30886.0	31492.0	31045.5	29511.4
62.5°	9992.3	10668.5	12527.9	18364.5	23311.2	28360.0	32094.8	33214.3	32876.2	31080.6
65°	6094.9	6311.8	7810.8	14451.1	20198.4	26784.5	32467.9	34145.6	34033.9	32040.6
67.5°	4060.1	4241.9	4672.4	9909.4	15679.0	23636.5	31574.9	33982.9	34014.8	31884.3
70°	2446.3	2602.5	2883.2	5763.2	10161.4	18708.9	28809.7	31909.8	32094.8	29795.2
72.5°	1007.8	1113.1	1368.2	2612.1	5262.5	11874.1	22941.2	27396.8	27827.4	25052.6
75°	570.9	625.1	803.7	1310.8	2283.6	5533.6	13896.2	19448.9	20083.6	17267.3
77.5°	379.5	405.1	519.9	848.4	1285.3	1888.1	5938.6	10132.7	11344.6	9431.0
80°	255.2	277.5	357.2	567.7	835.6	810.1	1891.3	3753.9	4618.2	3240.4
82.5°	172.2	175.4	255.2	373.2	529.4	392.3	558.1	1167.3	1467.1	937.7
85°	98.9	95.7	188.2	216.9	236.0	162.7	169.0	350.8	459.3	395.5
87.5°	12.8	19.1	73.4	57.4	31.9	35.1	35.1	60.6	89.3	95.7
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°
5533.6	0°	5533.6	5533.6	5533.6	5533.6	5533.6	5533.6	5533.6	5533.6	5533.6	5533.6
5540.0	2.5°	5540.0	5536.8	5527.2	5517.6	5495.3	5482.6	5488.9	5482.6	5479.4	5482.6
5581.4	5°	5581.4	5571.9	5546.3	5514.4	5469.8	5415.6	5380.5	5329.5	5281.6	5252.9
5693.1	7.5°	5693.1	5683.5	5648.4	5559.1	5415.6	5189.1	4981.8	4800.0	4662.9	4583.1
5871.7	10°	5871.7	5855.7	5801.5	5603.7	5227.4	4733.0	4321.6	3980.4	3757.1	3651.8
6082.2	12.5°	6082.2	6063.0	5967.3	5562.3	4870.2	4098.4	3530.6	3151.1	2943.8	2851.3
6324.6	15°	6330.9	6305.4	6117.2	5364.5	4350.3	3396.7	2876.8	2593.0	2459.0	2376.1
6633.9	17.5°	6640.3	6595.6	6228.9	5067.9	3785.8	2860.9	2475.0	2261.3	2143.3	2063.5
7039.0	20°	7042.2	6968.8	6318.2	4713.9	3265.9	2522.8	2203.9	2025.3	1936.0	1865.8
7613.1	22.5°	7603.5	7498.2	6426.6	4331.2	2899.2	2290.0	2002.9	1872.2	1798.8	1719.1
8413.6	25°	8298.8	8174.4	6560.6	3977.2	2647.2	2089.0	1856.2	1747.8	1661.7	1569.2
9462.9	27.5°	9271.5	9048.3	6720.0	3686.9	2430.3	1916.8	1722.3	1601.1	1502.2	1425.7
10652.5	30°	10355.9	9989.2	6860.4	3511.5	2232.6	1757.4	1546.9	1425.7	1333.2	1278.9
11721.0	32.5°	11382.9	10885.4	6952.9	3435.0	2054.0	1575.6	1355.5	1224.7	1154.6	1138.6
12767.1	35°	12352.5	11695.5	6943.3	3361.6	1894.5	1393.8	1167.3	1033.4	979.1	988.7
13893.0	37.5°	13468.8	12559.8	6876.3	3246.8	1763.7	1227.9	1004.7	886.6	838.8	842.0
15261.2	40°	14766.9	13558.1	6834.9	3029.9	1620.2	1074.8	870.7	775.0	739.9	727.2
16702.8	42.5°	16151.0	14524.5	6841.2	2784.3	1441.6	937.7	778.2	698.5	666.6	657.0
18307.1	45°	17541.6	15446.2	6850.8	2529.2	1253.4	832.4	711.2	644.3	625.1	612.4
19933.7	47.5°	18849.3	16230.8	6672.2	2254.9	1068.4	752.7	657.0	612.4	596.4	580.5
21566.6	50°	20067.6	16753.8	6241.6	1936.0	921.7	688.9	615.6	583.7	567.7	551.8
23046.5	52.5°	21014.9	16836.8	5530.4	1607.4	819.7	641.1	590.0	561.3	542.2	526.2
24242.5	55°	21435.9	16316.9	4519.4	1301.3	739.9	599.6	564.5	535.8	513.5	497.5
25183.4	57.5°	21327.4	15222.9	3524.3	1046.1	663.4	558.1	532.6	513.5	488.0	462.5
25945.6	60°	20794.8	13759.0	2656.8	870.7	593.2	513.5	497.5	481.6	446.5	408.2
26239.1	62.5°	19873.1	11918.7	1894.5	720.8	516.7	462.5	456.1	443.3	392.3	322.1
25805.3	65°	18463.3	9683.0	1275.8	599.6	443.3	405.1	408.2	385.9	318.9	239.2
24217.0	67.5°	16403.0	7080.4	816.5	491.2	370.0	338.1	341.3	328.5	271.1	204.1
21206.2	70°	13778.1	4688.4	532.6	373.2	296.6	261.5	280.7	283.9	229.6	165.8
16275.4	72.5°	10100.8	2768.4	373.2	277.5	216.9	181.8	229.6	236.0	185.0	124.4
9791.4	75°	5756.8	1314.0	280.7	200.9	134.0	127.6	178.6	178.6	127.6	82.9
4238.7	77.5°	2417.6	548.6	197.7	130.8	76.5	73.4	121.2	111.6	63.8	38.3
1033.4	80°	698.5	245.6	105.2	63.8	31.9	28.7	47.8	35.1	15.9	6.4
392.3	82.5°	274.3	108.4	41.5	25.5	12.8	12.8	6.4	0.0	0.0	0.0
223.3	85°	162.7	44.7	19.1	9.6	3.2	0.0	0.0	0.0	0.0	0.0
47.8	87.5°	41.5	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°
5533.6
5495.3
5259.3
4586.3
3642.3
2841.7
2379.3
2057.2
1853.0
1706.3
1559.6
1409.7
1269.4
1148.2
988.7
854.8
724.0
653.8
612.4
580.5
551.8
523.1
494.4
459.3
401.9
315.7
232.8
194.6
159.5
118.0
76.5
38.3
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