

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: P853244

Luminaire Tested: **GLAN-SB9D-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 68866 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

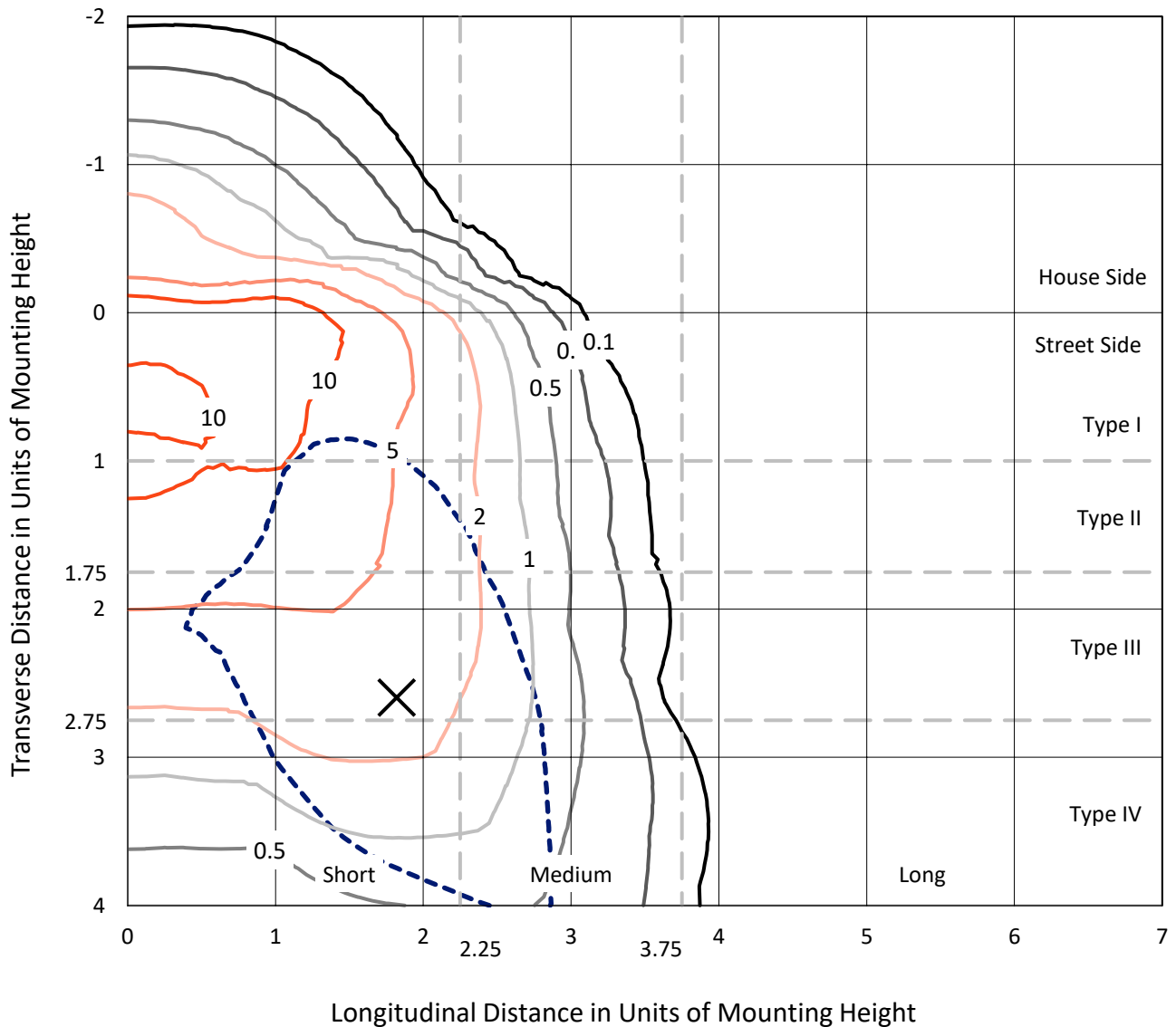
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

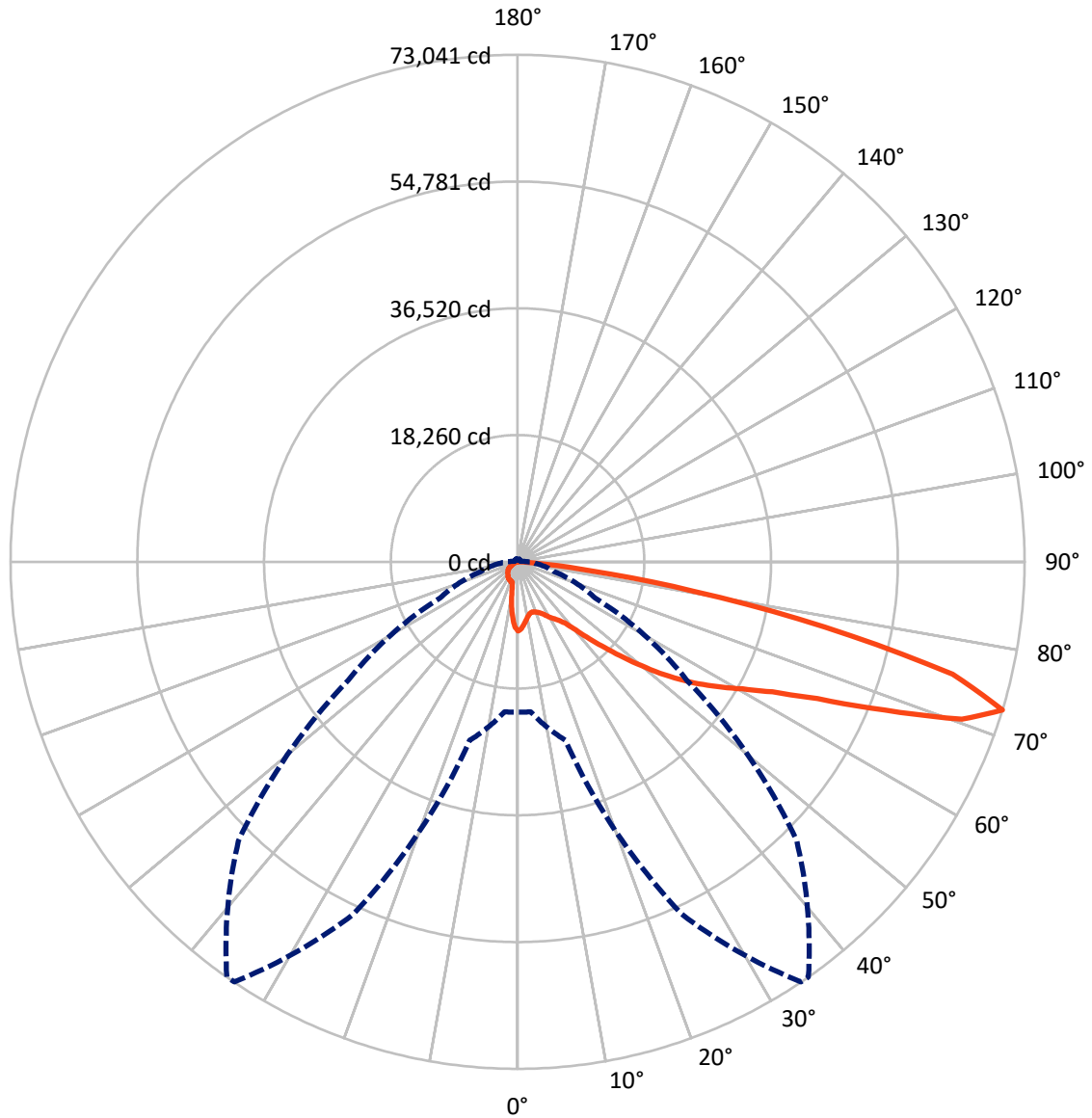
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7750.5	0.0	7750.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	61115.4	0.0	61115.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	68866.0	0.0	68866.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.2	1.2
10°-20°	1918.7	2.8
20°-30°	3116.9	4.5
30°-40°	5200.5	7.6
40°-50°	9839.4	14.3
50°-60°	15634.8	22.7
60°-70°	19341.3	28.1
70°-80°	12022.7	17.5
80°-90°	971.6	1.4
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°	68866.0	100.0
0°-180°	68866.0	100.0

Coefficient of Utilization



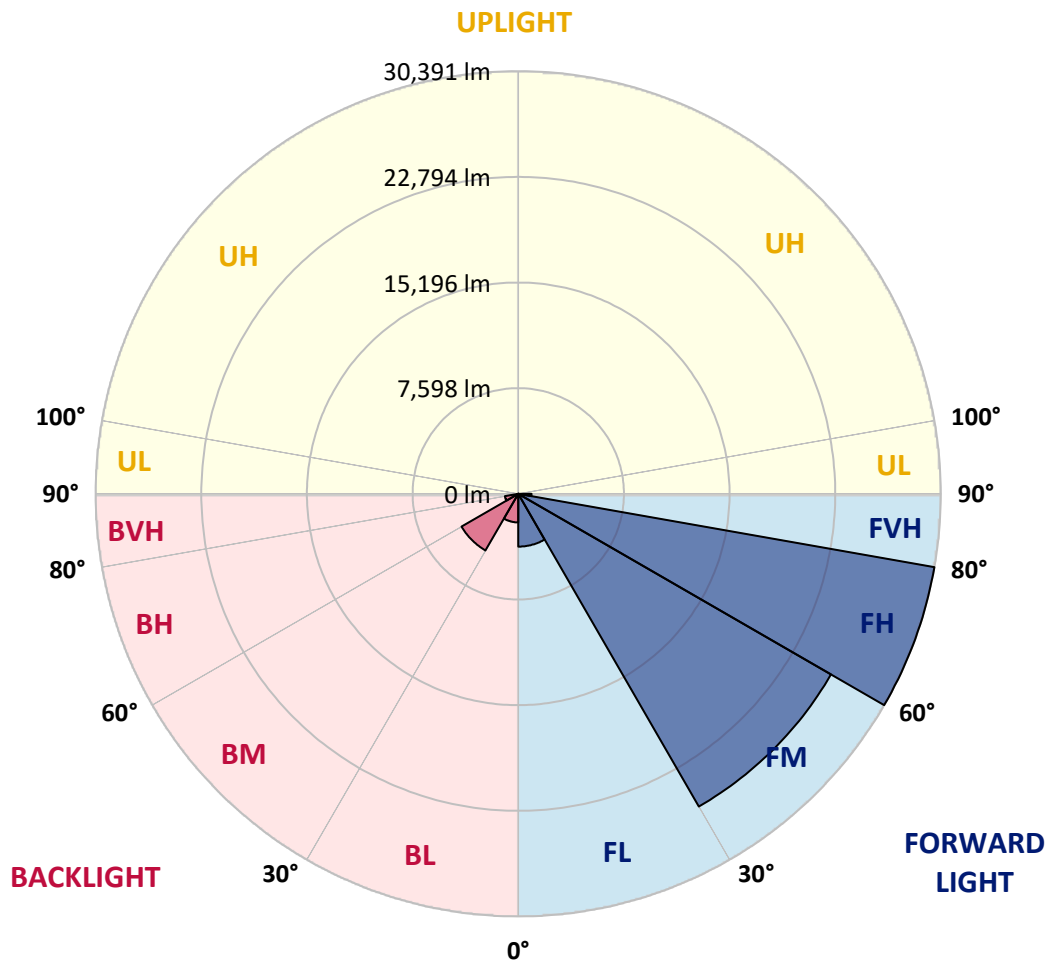
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3796.3	5.5			
FM (30°-60°)	25969.4	37.7			
FH (60°-80°)	30391.4	44.1			G5
FVH (80°-90°)	958.4	1.4			G5
BL (0°-30°)	2059.5	3.0	B3/2500		
BM (30°-60°)	4705.3	6.8	B3/5000		
BH (60°-80°)	972.6	1.4	B2/1000		G2/1000
BVH (80°-90°)	13.2	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	9981.0	9981.0	9981.0	9981.0	9981.0	9981.0	9981.0	9981.0	9981.0	9981.0
2.5°	9536.9	9617.7	9632.8	9658.0	9658.0	9688.3	9738.8	9809.4	9925.5	9986.0
5°	8790.1	8850.7	8926.4	8986.9	9103.0	9118.1	9314.9	9506.7	9774.1	9975.9
7.5°	8038.3	8108.9	8209.8	8356.2	8507.6	8553.0	8850.7	9173.6	9597.5	9975.9
10°	7508.5	7513.5	7604.3	7750.7	7992.9	8048.4	8411.7	8870.9	9400.7	9915.4
12.5°	7210.7	7246.1	7286.4	7397.4	7629.6	7664.9	8053.4	8593.3	9203.9	9880.1
15°	7210.7	7236.0	7261.2	7316.7	7503.4	7533.7	7876.8	8416.7	9103.0	9895.2
17.5°	7286.4	7326.8	7306.6	7372.2	7569.0	7589.2	7891.9	8366.3	9097.9	9991.1
20°	7468.1	7498.4	7458.0	7498.4	7695.2	7735.5	8048.4	8462.1	9183.7	10157.6
22.5°	7755.7	7770.8	7675.0	7705.2	7907.1	7957.5	8320.9	8734.6	9390.6	10425.0
25°	8119.0	8149.3	8003.0	8038.3	8230.0	8290.6	8709.4	9143.4	9718.6	10793.4
27.5°	8537.8	8553.0	8426.8	8421.8	8669.0	8754.8	9178.7	9648.0	10157.6	11257.6
30°	9017.2	9062.6	8941.5	8921.3	9234.2	9304.8	9723.6	10268.6	10803.5	11954.0
32.5°	9395.7	9431.0	9360.3	9410.8	9728.7	9784.2	10384.7	11146.6	11817.7	12943.0
35°	9940.6	9960.8	9799.3	9890.2	10253.5	10394.8	11287.9	12377.8	13094.4	14184.3
37.5°	11913.6	11913.6	11227.4	10778.3	11126.4	11252.6	12524.2	13927.0	14668.7	15849.5
40°	14643.5	14598.1	13593.9	12675.6	12630.1	12877.4	14285.2	15879.8	16702.3	17847.7
42.5°	17555.0	17484.4	16116.9	15208.7	15057.3	15143.1	16318.8	18286.7	19124.3	20284.9
45°	20138.6	20118.4	18867.0	17645.9	17373.4	17645.9	18856.9	21102.4	21702.9	22924.0
47.5°	22303.3	22303.3	21390.0	20592.7	20451.4	20612.9	22293.2	24225.9	24170.4	25734.6
50°	24796.1	24775.9	23908.0	23564.8	23711.2	23938.2	26249.3	27515.8	26723.6	28494.8
52.5°	26542.0	26663.1	26365.4	26309.9	27056.7	27450.3	30265.9	30735.2	29009.5	31113.6
55°	27924.6	28065.9	28409.0	28797.5	30235.6	30750.3	34156.4	33788.0	30921.9	33384.4
57.5°	29882.4	29680.6	30210.4	30977.4	33303.6	33924.3	37925.8	36669.3	32460.9	35226.1
60°	32259.1	32289.4	32380.2	33349.0	36366.5	37163.8	41639.6	39394.1	33449.9	36356.4
62.5°	35115.1	35160.5	35347.2	36835.8	40479.0	41230.9	45595.7	41624.5	33904.1	36038.5
65°	34918.3	35110.1	37194.1	42285.5	46731.0	47472.8	50212.8	43188.7	33217.8	33132.1
67.5°	31810.0	32122.8	35609.6	48794.8	56157.0	56984.5	55793.6	43496.5	30255.8	25764.9
70°	27732.8	27843.8	32037.1	54648.2	67071.5	67909.1	60789.2	40110.7	22959.3	14371.0
72.5°	21657.4	21682.7	26602.5	56005.6	72995.5	73040.9	56868.4	29776.5	12347.6	5520.3
75°	15471.0	15319.7	17817.4	45419.1	64220.5	64735.2	42633.7	13967.3	4718.0	2608.8
77.5°	8295.6	8462.1	10081.9	26935.6	44364.5	45242.5	23262.1	4026.7	2401.9	1776.2
80°	2563.4	2704.7	4132.7	12332.4	25129.1	25658.9	8623.6	1791.3	1675.3	1266.5
82.5°	807.4	837.6	1927.6	5182.2	10430.1	10672.3	2497.8	1014.2	1145.4	837.6
85°	232.1	237.2	857.8	1932.6	2578.5	2629.0	701.4	393.6	656.0	519.7
87.5°	25.2	80.7	322.9	322.9	227.1	222.0	75.7	85.8	186.7	65.6
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°
9981.0	0°	9981.0	9981.0	9981.0	9981.0	9981.0	9981.0	9981.0	9981.0	9981.0	9981.0
10026.4	2.5°	10001.2	10006.2	9940.6	9829.6	9708.5	9607.6	9481.4	9380.5	9309.9	9289.7
10117.2	5°	10071.8	10036.5	9849.8	9511.7	9108.0	8759.9	8371.3	8063.5	7861.7	7775.9
10213.1	7.5°	10177.8	10076.9	9668.1	9002.1	8230.0	7543.8	6847.4	6307.5	5964.4	5792.8
10303.9	10°	10268.6	10066.8	9365.4	8265.4	7084.6	6045.1	5106.6	4455.6	4092.3	3920.7
10409.9	12.5°	10354.4	10061.7	8971.8	7392.4	5792.8	4521.2	3648.3	3325.3	3224.4	3189.1
10581.5	15°	10515.9	10076.9	8477.3	6393.3	4506.1	3416.1	3098.2	3093.2	3113.4	3103.3
10843.9	17.5°	10737.9	10092.0	7917.2	5333.6	3476.7	3012.5	2997.3	3042.7	3073.0	3057.9
11171.8	20°	11025.5	10152.6	7321.7	4284.1	2987.2	2911.5	2946.9	2987.2	3012.5	2987.2
11610.9	22.5°	11429.2	10258.5	6670.8	3441.4	2830.8	2851.0	2881.3	2926.7	2951.9	2916.6
12171.0	25°	11923.7	10425.0	6030.0	2992.3	2755.1	2780.3	2825.8	2876.2	2906.5	2871.2
12877.4	27.5°	12564.5	10692.5	5439.6	2891.4	2679.4	2694.6	2760.2	2835.9	2876.2	2830.8
13881.6	30°	13493.0	11131.5	4929.9	2936.8	2634.0	2598.7	2689.5	2795.5	2840.9	2800.5
15249.0	32.5°	14724.2	11752.1	4617.1	3007.4	2613.8	2487.7	2573.5	2709.7	2785.4	2760.2
17035.3	35°	16339.0	12695.7	4496.0	3088.2	2598.7	2371.6	2432.2	2578.5	2709.7	2734.9
19285.8	37.5°	18296.8	14007.7	4531.3	3123.5	2553.3	2275.7	2306.0	2432.2	2603.7	2684.5
21818.9	40°	20522.1	15536.6	4733.2	3088.2	2502.8	2195.0	2200.1	2295.9	2447.3	2568.4
24543.8	42.5°	22818.0	17322.9	5106.6	2957.0	2457.4	2124.4	2109.2	2174.8	2275.7	2361.5
27263.5	45°	25002.9	19159.7	5474.9	2775.3	2401.9	2053.7	2018.4	2043.6	2063.8	2099.1
29912.7	47.5°	26910.3	20451.4	5368.9	2608.8	2326.2	1973.0	1912.4	1902.3	1841.8	1836.7
32279.3	50°	28227.3	20734.0	4768.5	2442.3	2215.2	1882.2	1786.3	1725.7	1619.8	1569.3
34050.4	52.5°	28646.2	19618.9	3895.5	2275.7	2033.5	1761.1	1624.8	1528.9	1397.7	1352.3
35069.7	55°	28091.1	17433.9	3113.4	2073.9	1781.2	1599.6	1448.2	1322.1	1216.1	1160.6
35180.7	57.5°	26733.7	14653.6	2462.4	1836.7	1513.8	1417.9	1266.5	1140.4	1049.6	994.1
33949.5	60°	24483.2	11636.1	1947.8	1554.2	1291.8	1221.1	1064.7	984.0	903.2	837.6
30770.5	62.5°	21067.1	8305.7	1528.9	1231.2	1079.8	999.1	908.3	847.7	751.9	661.0
25053.4	65°	16439.9	5081.3	1180.8	903.2	867.9	827.5	772.0	716.5	600.5	509.6
16344.0	67.5°	10369.5	2406.9	842.7	681.2	686.3	666.1	640.8	595.4	509.6	428.9
7321.7	70°	4566.6	1165.6	555.1	519.7	509.6	509.6	529.8	514.7	434.0	358.3
2543.2	72.5°	1554.2	625.7	413.8	393.6	368.4	363.3	444.0	428.9	348.2	277.5
1266.5	75°	812.4	418.8	302.8	282.6	222.0	267.4	353.2	333.0	247.3	181.7
837.6	77.5°	529.8	297.7	206.9	181.7	126.2	176.6	262.4	232.1	146.3	90.8
550.0	80°	333.0	196.8	121.1	85.8	60.6	95.9	141.3	100.9	55.5	20.2
322.9	82.5°	176.6	100.9	45.4	30.3	25.2	30.3	35.3	25.2	10.1	0.0
166.5	85°	70.6	35.3	15.1	10.1	5.0	0.0	10.1	5.0	0.0	0.0
30.3	87.5°	25.2	5.0	0.0	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°
9981.0
9325.0
7806.2
5818.0
3925.8
3179.0
3098.2
3052.8
2982.2
2911.5
2866.1
2830.8
2795.5
2760.2
2734.9
2704.7
2608.8
2396.9
2119.3
1831.7
1574.4
1347.3
1160.6
984.0
822.5
645.9
494.5
418.8
343.1
262.4
166.5
80.7
15.1
0.0
0.0
0.0
0.0

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