

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: P949431

Luminaire Tested: **GLAN-SB4A-940-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949431
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-940-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11108 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

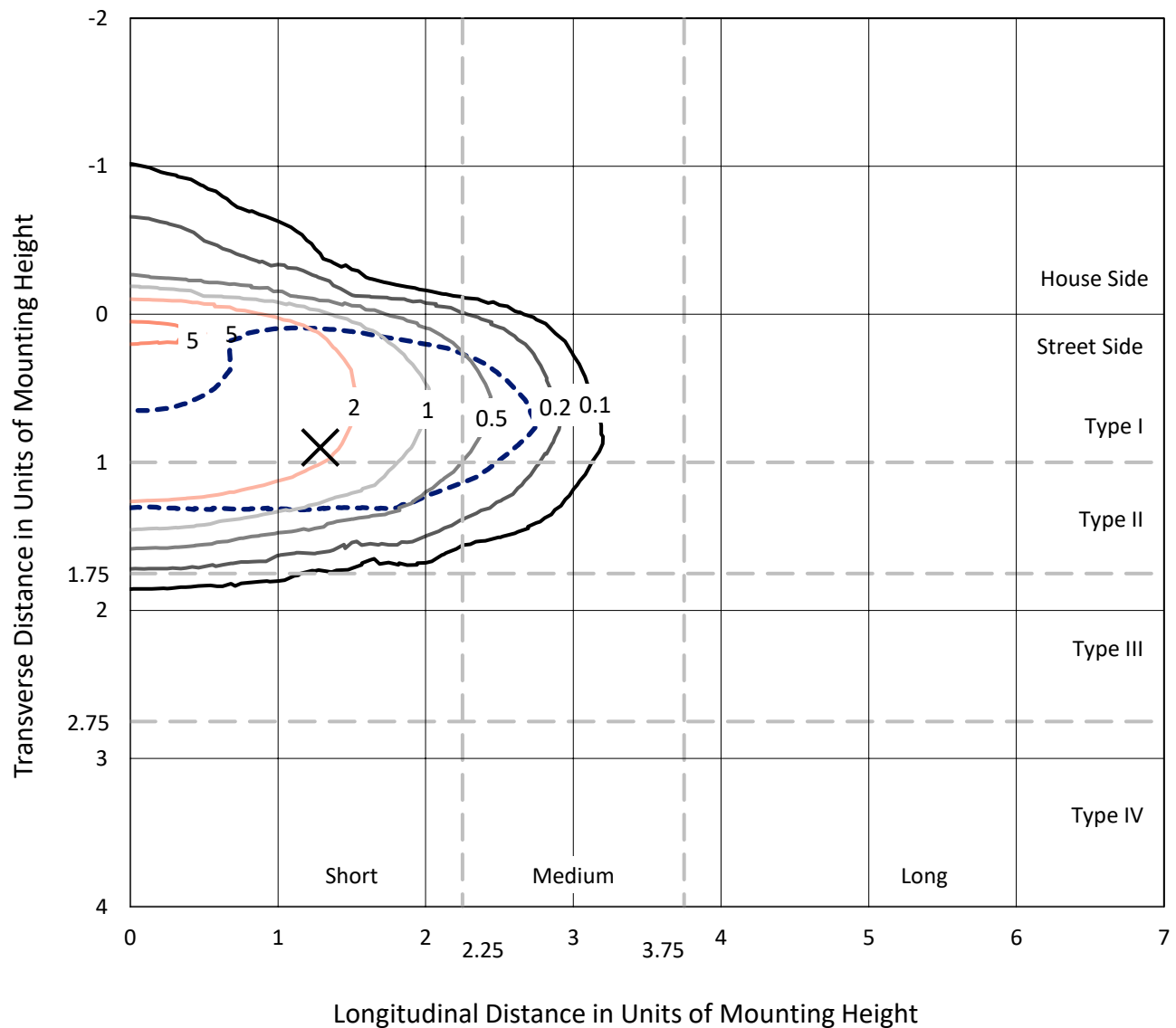
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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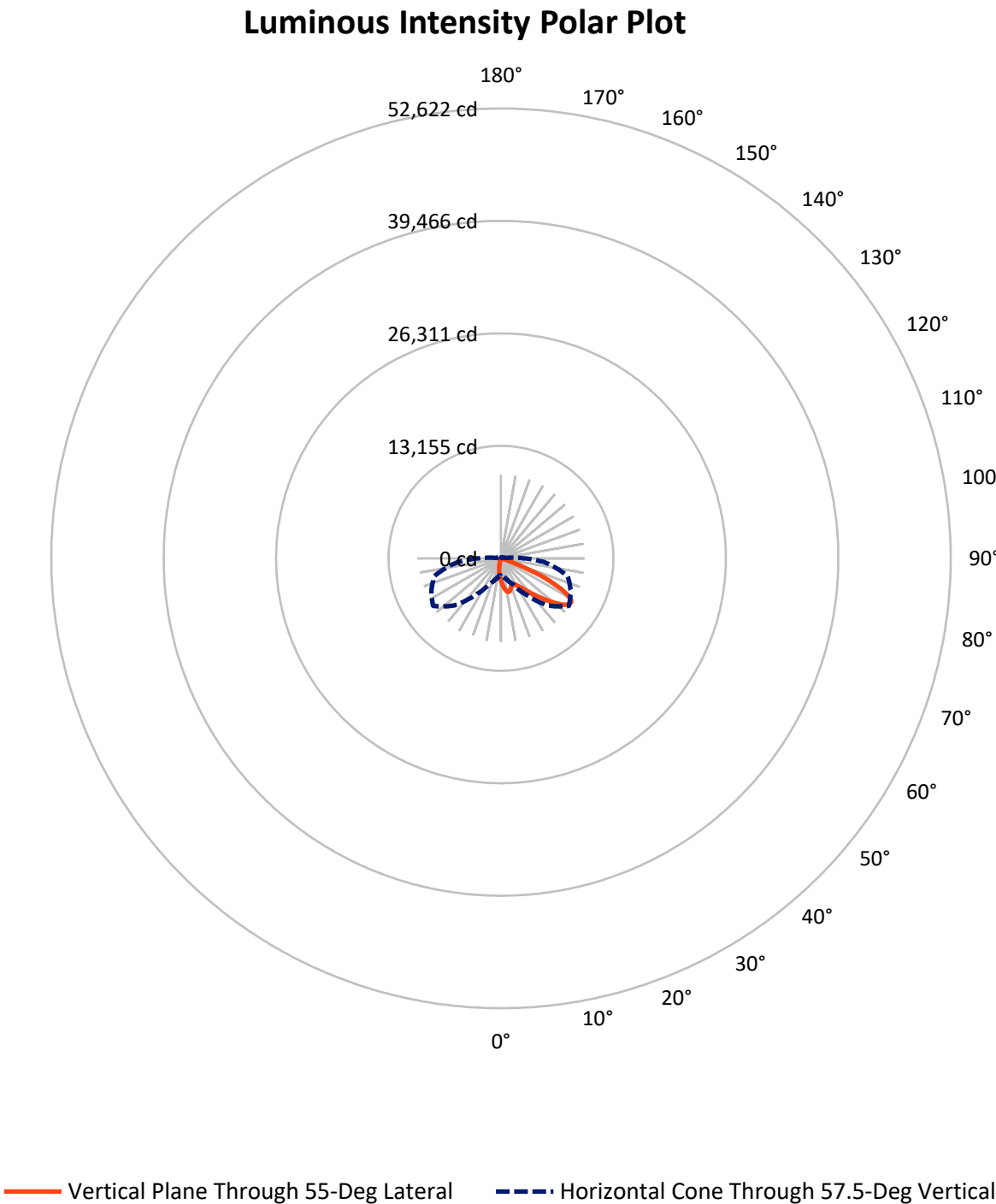
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	867.5	0.0	867.5
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	10240.5	0.0	10240.5
	% Fixture	92.2	0.0	92.2
Total	Lumens	11108.0	0.0	11108.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.1	2.2
10°-20°	601.6	5.4
20°-30°	962.5	8.7
30°-40°	1629.2	14.7
40°-50°	2674.8	24.1
50°-60°	2939.8	26.5
60°-70°	1686.2	15.2
70°-80°	344.6	3.1
80°-90°	20.3	0.2
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°	11108.0	100.0
0°-180°	11108.0	100.0

Coefficient of Utilization



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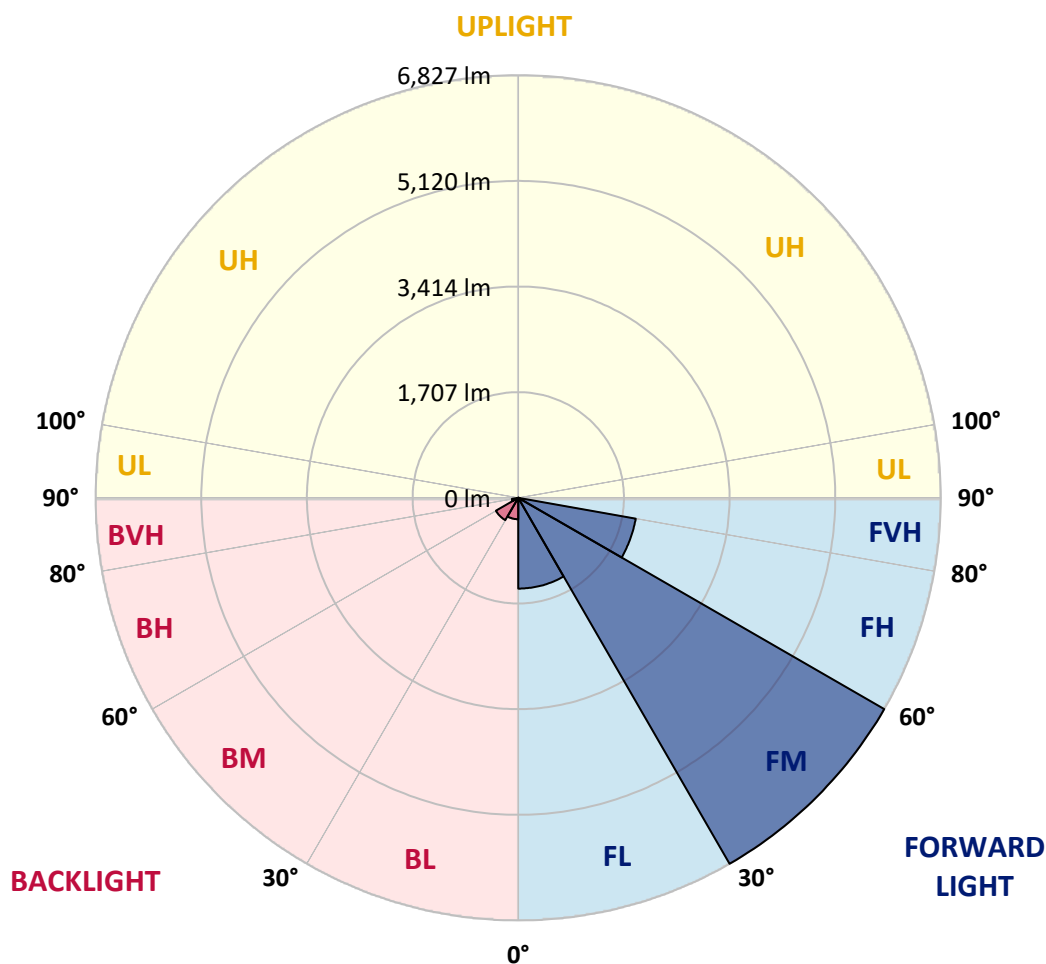
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1466.9	13.2			
FM	(30°-60°)	6827.1	61.5			
FH	(60°-80°)	1927.6	17.4			G2/5000
FVH	(80°-90°)	19.0	0.2			G1/100
BL	(0°-30°)	346.3	3.1	B1/500		
BM	(30°-60°)	416.6	3.8	B1/1000		
BH	(60°-80°)	103.2	0.9	B0/110		G0/110
BVH	(80°-90°)	1.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2676.8	2676.8	2676.8	2676.8	2676.8	2676.8	2676.8	2676.8	2676.8	2676.8
2.5°	3321.3	3279.5	3273.3	3265.1	3185.7	3126.1	3039.8	2945.3	2839.1	2730.9
5°	3837.0	3804.2	3798.0	3759.6	3669.2	3567.9	3414.4	3220.6	3022.7	2789.8
7.5°	3937.0	3930.9	3959.0	3957.6	3945.3	3865.1	3735.7	3504.8	3207.6	2862.4
10°	3491.2	3506.9	3590.5	3663.8	3861.7	3976.8	3948.7	3758.3	3398.0	2945.3
12.5°	3085.0	3066.5	3126.1	3209.0	3439.1	3781.6	4037.0	3969.9	3615.8	3039.1
15°	2830.2	2822.6	2856.2	2894.6	3069.9	3415.1	3934.3	4141.8	3825.4	3150.0
17.5°	2748.7	2742.5	2752.8	2762.4	2876.1	3143.2	3689.8	4247.3	4026.1	3276.8
20°	2815.1	2806.9	2805.5	2798.0	2845.3	3027.4	3468.5	4254.9	4206.2	3391.8
22.5°	3009.0	2999.4	2965.8	2935.7	2939.8	3043.2	3369.9	4179.5	4341.8	3499.4
25°	3360.3	3344.6	3274.7	3173.3	3109.0	3152.8	3385.0	4080.2	4471.3	3583.6
27.5°	3800.1	3779.5	3689.8	3539.1	3391.8	3338.4	3493.9	4011.7	4578.8	3648.0
30°	4230.9	4204.2	4115.8	3998.7	3783.6	3615.1	3690.5	4041.8	4706.9	3715.1
32.5°	4696.0	4670.6	4553.5	4408.3	4230.2	4003.5	3959.7	4189.1	4863.8	3809.0
35°	5284.3	5244.6	5078.2	4880.2	4691.2	4461.7	4324.0	4443.2	5072.7	3952.1
37.5°	5954.2	5900.8	5721.3	5448.0	5201.5	4944.6	4767.9	4792.5	5378.9	4143.9
40°	6585.7	6537.1	6371.3	6113.8	5804.2	5492.6	5304.2	5249.4	5801.5	4377.5
42.5°	6964.5	6920.7	6850.8	6741.9	6480.9	6163.1	5925.4	5806.9	6301.5	4656.9
45°	6985.7	6947.4	7041.2	7167.9	7116.5	6904.9	6615.2	6398.0	6803.5	4919.3
47.5°	6646.0	6620.0	6904.9	7347.4	7567.9	7657.0	7389.8	6939.8	7217.9	5107.6
50°	5720.0	5710.4	6296.7	7109.0	7739.8	8315.9	8207.0	7444.0	7539.2	5204.9
52.5°	4959.7	4924.7	5266.5	6346.0	7489.8	8662.5	9005.6	7938.5	7763.8	5223.4
55°	3761.7	3730.9	4159.7	5069.3	6683.7	8539.2	9589.9	8448.8	7924.8	5176.1
57.5°	2017.8	1998.7	2540.5	3374.0	5224.7	7799.4	9695.4	8988.5	8060.4	5050.8
60°	785.6	782.2	984.9	1637.0	3175.4	6345.3	9163.2	9312.5	8145.3	4896.7
62.5°	475.3	485.6	518.5	734.9	1402.8	3941.8	7936.4	8944.0	8202.2	4755.6
65°	393.2	393.8	398.0	504.8	671.9	1649.3	5974.8	7731.6	8061.8	4504.2
67.5°	337.0	343.2	358.9	400.7	474.0	723.3	3439.8	5989.1	7207.6	3919.2
70°	265.8	274.0	293.8	329.5	365.8	452.7	1271.3	3985.0	5506.3	2954.2
72.5°	224.0	223.3	233.6	267.8	290.4	318.5	489.0	2232.9	3200.1	1410.3
75°	173.3	180.1	193.2	224.0	237.7	230.8	265.1	815.8	1146.6	427.4
77.5°	135.6	141.1	152.7	182.9	196.6	163.7	152.7	291.8	368.5	153.4
80°	61.0	65.8	104.1	134.9	160.3	113.0	82.9	149.3	163.7	69.9
82.5°	11.0	18.5	61.0	71.2	82.2	73.3	43.2	77.4	80.1	28.1
85°	0.7	1.4	21.2	26.0	32.9	24.0	13.0	30.8	26.7	9.6
87.5°	0.0	0.0	0.0	0.7	0.7	3.4	4.1	5.5	4.1	3.4
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
2676.8	0°	2676.8	2676.8	2676.8	2676.8	2676.8	2676.8	2676.8	2676.8	2676.8	2676.8
2682.9	2.5°	2633.6	2536.3	2441.8	2364.4	2319.2	2242.5	2191.8	2183.6	2162.4	2180.9
2689.8	5°	2582.9	2408.9	2232.9	2075.4	1945.9	1778.8	1654.1	1601.4	1555.5	1571.3
2707.6	7.5°	2558.9	2284.3	2010.3	1741.1	1464.4	1197.3	998.6	915.8	852.8	861.7
2727.4	10°	2526.8	2154.8	1725.4	1314.4	943.9	680.1	543.2	492.5	464.4	465.1
2756.9	12.5°	2502.1	2000.0	1394.5	891.1	574.7	434.3	391.8	379.5	371.2	371.9
2801.4	15°	2489.8	1817.8	1067.8	593.8	411.0	367.8	357.5	352.1	346.6	345.9
2850.7	17.5°	2469.2	1615.1	781.5	433.6	359.6	344.5	335.6	329.5	322.6	321.2
2893.2	20°	2438.4	1385.0	571.2	366.4	337.0	325.3	313.0	304.8	296.6	295.2
2919.9	22.5°	2381.5	1141.8	439.0	339.0	320.6	307.5	292.5	282.9	274.7	273.3
2906.9	25°	2276.1	913.7	369.9	321.9	306.2	290.4	274.0	261.0	253.4	252.1
2878.8	27.5°	2142.5	717.8	335.6	306.2	287.7	273.3	254.8	242.5	235.6	234.3
2841.8	30°	1985.0	552.7	315.8	288.4	265.8	253.4	237.0	226.7	222.6	222.6
2815.8	32.5°	1815.1	441.8	307.5	270.6	246.6	232.9	219.9	215.8	214.4	213.7
2830.2	35°	1655.5	383.6	303.4	256.2	229.5	216.4	211.0	211.6	214.4	214.4
2874.7	37.5°	1513.7	365.1	301.4	245.9	214.4	202.7	206.2	212.3	209.6	209.6
2952.8	40°	1385.6	367.1	300.0	238.4	202.1	195.2	202.1	197.3	190.4	189.7
3048.0	42.5°	1287.7	384.3	297.3	232.2	194.5	189.7	187.0	179.5	178.8	180.1
3146.6	45°	1216.5	399.3	296.6	229.5	186.3	177.4	174.0	166.4	180.1	183.6
3187.0	47.5°	1132.2	399.3	296.6	219.9	172.6	169.2	163.7	155.5	169.2	172.6
3148.7	50°	1023.3	374.0	284.9	208.9	161.6	159.6	150.0	139.7	137.0	139.0
3059.0	52.5°	885.6	328.1	255.5	193.8	150.7	146.6	134.9	127.4	125.3	125.3
2898.0	55°	728.8	274.7	215.8	171.9	139.0	131.5	123.3	119.9	117.8	116.4
2672.6	57.5°	592.5	225.3	173.3	152.7	128.1	118.5	115.8	111.6	108.2	106.2
2484.3	60°	486.3	177.4	143.2	135.6	117.1	108.2	107.5	102.1	93.2	91.8
2328.8	62.5°	375.3	130.1	120.5	117.8	106.2	98.6	97.3	86.3	72.6	69.9
2108.3	65°	265.1	101.4	97.3	103.4	94.5	87.7	84.2	67.8	53.4	51.4
1764.4	67.5°	186.3	84.9	76.7	90.4	82.2	73.3	71.2	57.5	44.5	43.2
1334.3	70°	132.9	69.2	63.0	77.4	65.8	64.4	60.3	47.9	36.3	34.9
660.3	72.5°	93.8	52.7	48.6	67.1	45.2	55.5	49.3	37.0	27.4	26.0
224.7	75°	69.2	37.7	34.2	39.0	32.9	41.8	34.9	24.7	17.1	16.4
101.4	77.5°	50.7	24.0	20.5	19.2	19.2	26.0	19.2	10.3	7.5	6.8
51.4	80°	35.6	11.0	9.6	8.2	7.5	6.2	2.7	1.4	0.7	0.7
17.8	82.5°	21.2	4.8	4.8	3.4	2.1	0.0	0.0	0.0	0.0	0.0
6.8	85°	4.8	2.1	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0
2.7	87.5°	0.7	0.7	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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