

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: P949830

Luminaire Tested: **GLAN-SB4C-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949830
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-SB4C-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 615mA 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: 21141 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

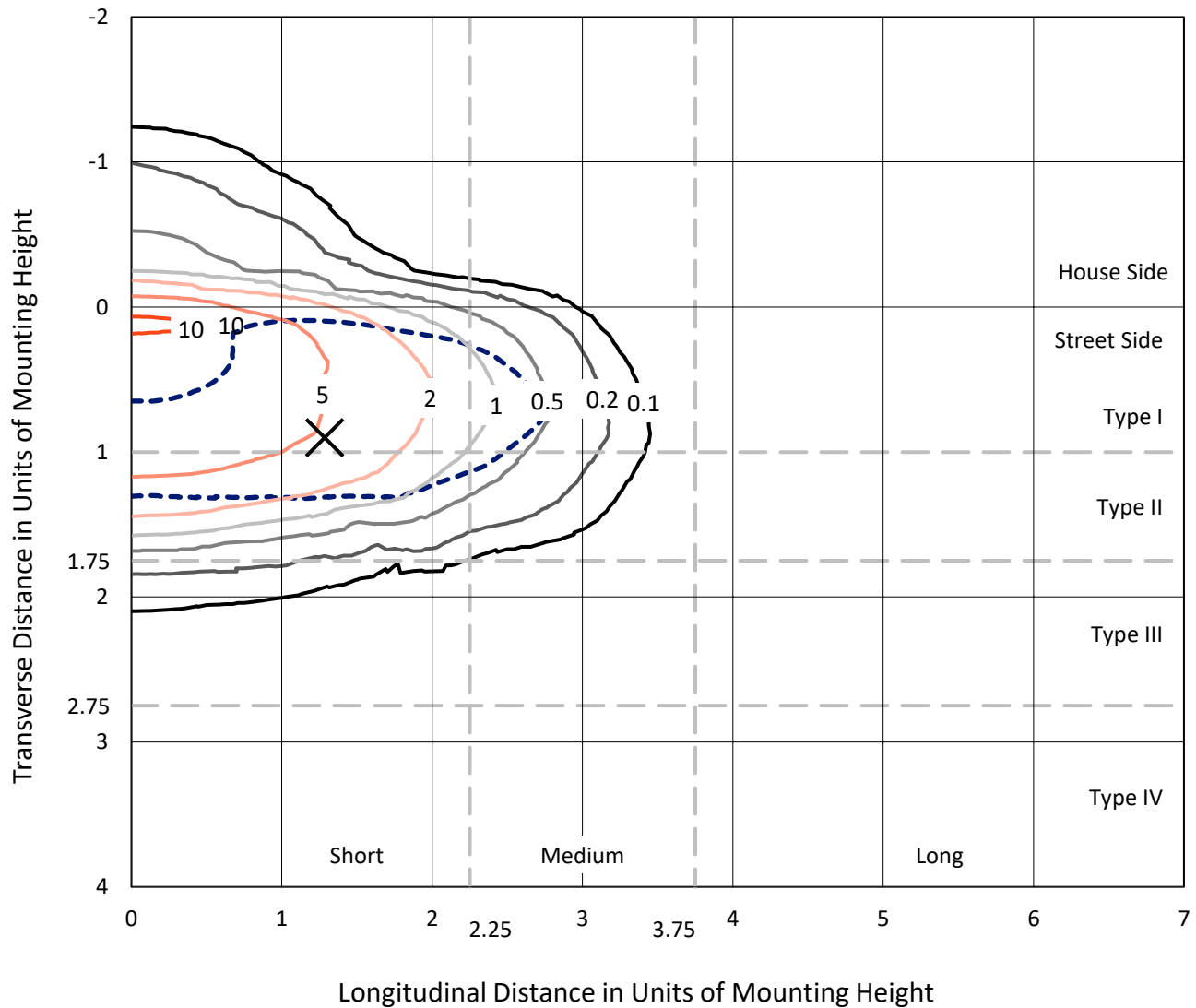
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

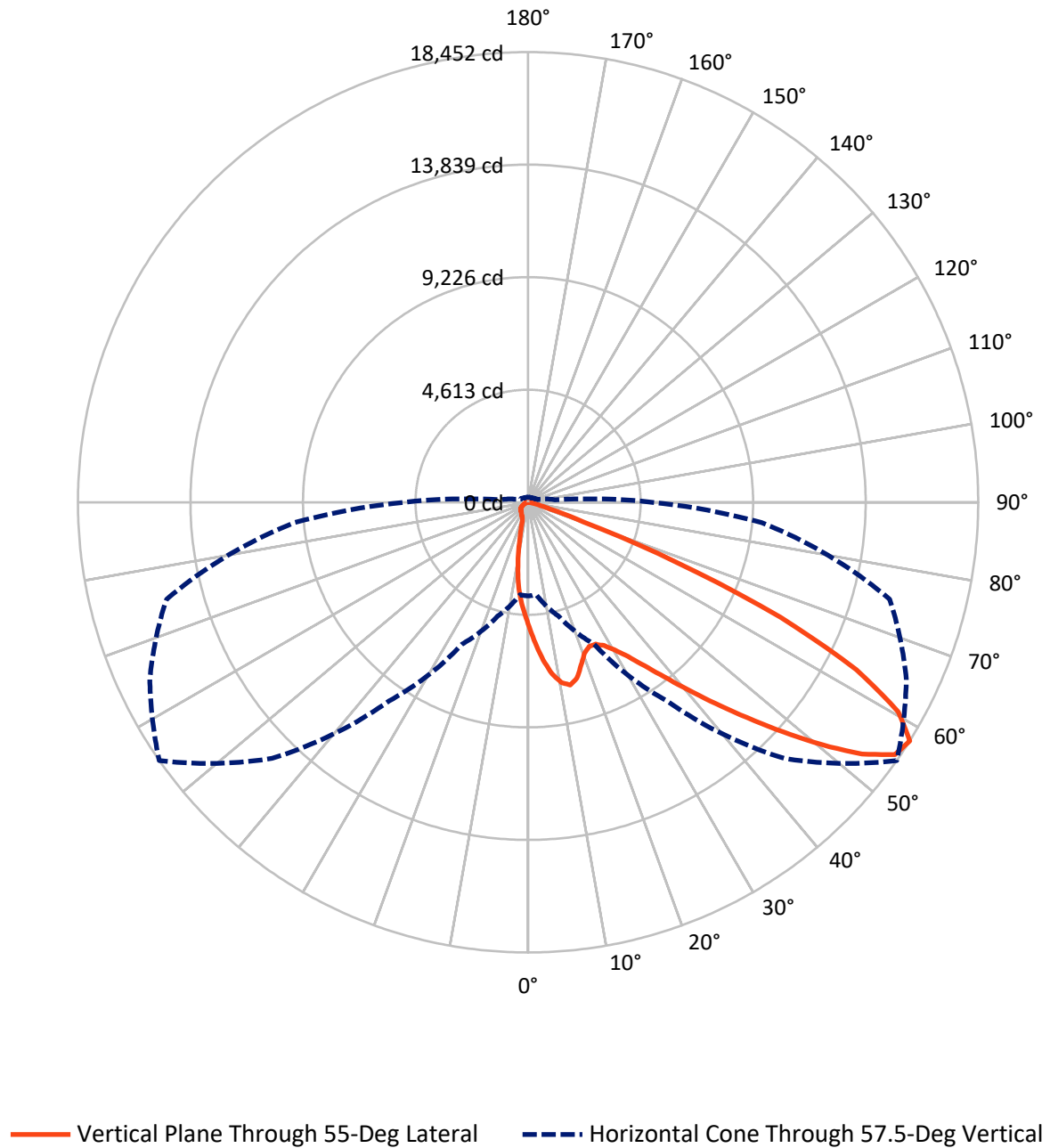
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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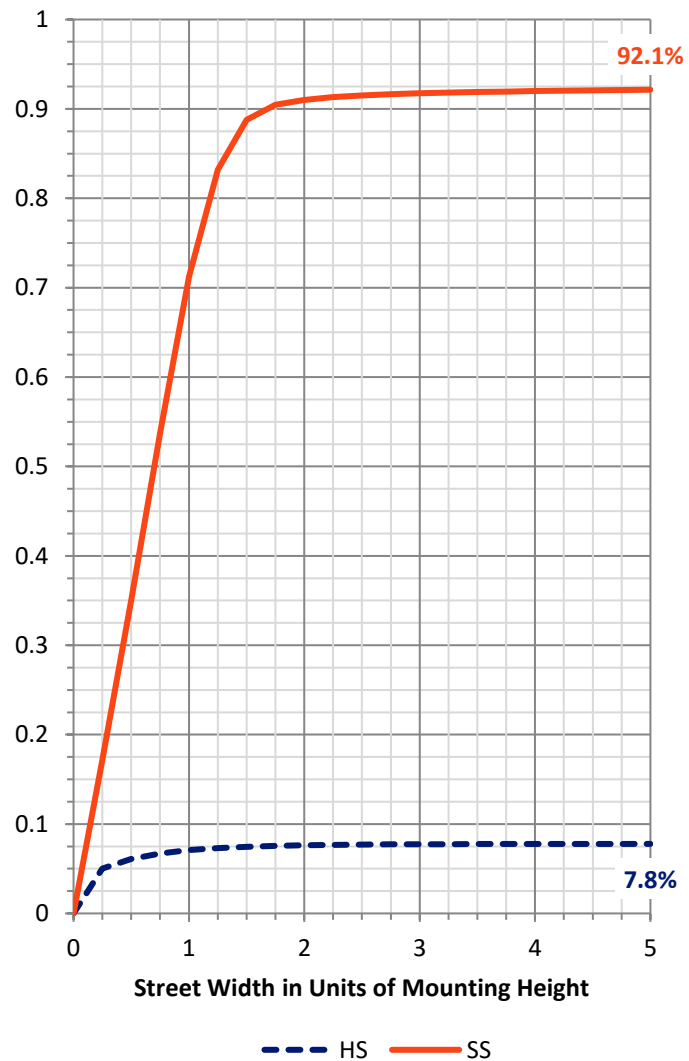
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1651.0	0.0	1651.0
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	19490.0	0.0	19490.0
	% Fixture	92.2	0.0	92.2
Total	Lumens	21141.0	0.0	21141.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.0	2.2
10°-20°	1145.0	5.4
20°-30°	1831.9	8.7
30°-40°	3100.7	14.7
40°-50°	5090.7	24.1
50°-60°	5595.0	26.5
60°-70°	3209.3	15.2
70°-80°	655.7	3.1
80°-90°	38.7	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°	21141.0	100.0
0°-180°	21141.0	100.0

Coefficient of Utilization



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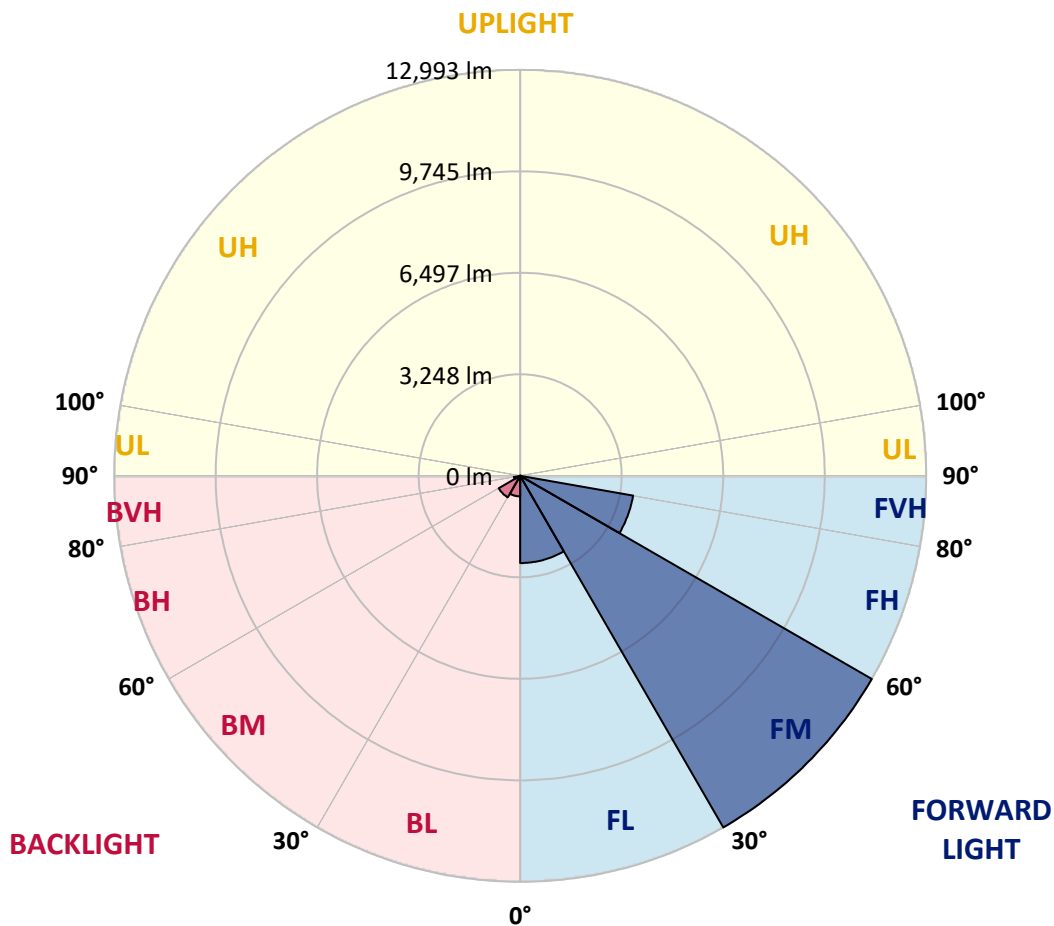
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2791.8	13.2			
FM	(30°-60°)	12993.4	61.5			
FH	(60°-80°)	3668.7	17.4			G2/5000
FVH	(80°-90°)	36.1	0.2			G1/100
BL	(0°-30°)	659.1	3.1	B2/1000		
BM	(30°-60°)	792.9	3.8	B1/1000		
BH	(60°-80°)	196.4	0.9	B1/500		G1/500
BVH	(80°-90°)	2.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5094.5	5094.5	5094.5	5094.5	5094.5	5094.5	5094.5	5094.5	5094.5	5094.5
2.5°	6321.1	6241.6	6229.9	6214.3	6063.0	5949.6	5785.4	5605.5	5403.4	5197.4
5°	7302.8	7240.2	7228.4	7155.4	6983.4	6790.4	6498.4	6129.5	5752.8	5309.6
7.5°	7493.1	7481.3	7534.8	7532.2	7508.7	7356.2	7109.8	6670.5	6104.7	5447.7
10°	6644.4	6674.4	6833.5	6972.9	7349.7	7568.7	7515.2	7152.8	6467.1	5605.5
12.5°	5871.4	5836.2	5949.6	6107.4	6545.4	7197.2	7683.4	7555.7	6881.7	5784.1
15°	5386.5	5372.1	5436.0	5509.0	5842.7	6499.7	7487.9	7882.9	7280.6	5995.2
17.5°	5231.3	5219.6	5239.2	5257.4	5473.8	5982.2	7022.5	8083.6	7662.5	6236.4
20°	5357.8	5342.1	5339.5	5325.2	5415.1	5761.9	6601.4	8097.9	8005.4	6455.4
22.5°	5726.7	5708.5	5644.6	5587.2	5595.0	5791.9	6413.7	7954.6	8263.5	6660.1
25°	6395.5	6365.5	6232.5	6039.6	5917.0	6000.5	6442.4	7765.5	8509.9	6820.4
27.5°	7232.4	7193.3	7022.5	6735.7	6455.4	6353.7	6649.7	7635.2	8714.6	6943.0
30°	8052.3	8001.5	7833.3	7610.4	7201.1	6880.4	7023.8	7692.5	8958.3	7070.7
32.5°	8937.5	8889.2	8666.3	8390.0	8051.0	7619.5	7536.1	7972.8	9256.8	7249.3
35°	10057.3	9981.6	9664.9	9288.1	8928.3	8491.6	8229.6	8456.4	9654.4	7521.8
37.5°	11332.2	11230.5	10889.0	10368.8	9899.5	9410.7	9074.3	9121.3	10237.2	7886.8
40°	12534.1	12441.5	12126.1	11635.9	11046.7	10453.6	10095.1	9990.8	11041.5	8331.3
42.5°	13255.0	13171.6	13038.6	12831.3	12334.6	11729.8	11277.4	11051.9	11993.1	8863.2
45°	13295.4	13222.4	13401.0	13642.2	13544.4	13141.6	12590.1	12176.9	12948.6	9362.4
47.5°	12648.8	12599.3	13141.6	13983.7	14403.5	14572.9	14064.5	13208.1	13737.3	9720.9
50°	10886.3	10868.1	11984.0	13530.0	14730.7	15827.0	15619.7	14167.5	14348.7	9906.0
52.5°	9439.4	9372.9	10023.4	12077.8	14254.8	16486.6	17139.7	15108.7	14776.3	9941.2
55°	7159.4	7100.7	7916.7	9647.9	12720.5	16252.0	18251.7	16079.9	15082.6	9851.3
57.5°	3840.4	3803.9	4835.0	6421.5	9943.8	14844.1	18452.4	17107.1	15340.7	9612.7
60°	1495.2	1488.7	1874.6	3115.6	6043.5	12076.5	17439.5	17723.7	15502.4	9319.4
62.5°	904.7	924.3	986.8	1398.8	2669.8	7502.2	15104.8	17022.4	15610.6	9050.9
65°	748.3	749.6	757.4	960.8	1278.8	3139.1	11371.3	14715.0	15343.3	8572.5
67.5°	641.4	653.1	683.1	762.6	902.1	1376.6	6546.7	11398.7	13717.8	7459.2
70°	505.8	521.4	559.2	627.0	696.1	861.7	2419.5	7584.3	10479.6	5622.4
72.5°	426.3	425.0	444.5	509.7	552.7	606.2	930.8	4249.7	6090.4	2684.1
75°	329.8	342.8	367.6	426.3	452.3	439.3	504.5	1552.6	2182.2	813.4
77.5°	258.1	268.5	290.7	348.1	374.1	311.6	290.7	555.3	701.3	292.0
80°	116.0	125.1	198.1	256.8	305.0	215.1	157.7	284.2	311.6	133.0
82.5°	20.9	35.2	116.0	135.6	156.4	139.5	82.1	147.3	152.5	53.4
85°	1.3	2.6	40.4	49.5	62.6	45.6	24.8	58.7	50.8	18.3
87.5°	0.0	0.0	0.0	1.3	1.3	6.5	7.8	10.4	7.8	6.5
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):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
5094.5	0°	5094.5	5094.5	5094.5	5094.5	5094.5	5094.5	5094.5	5094.5	5094.5	5094.5
5106.2	2.5°	5012.3	4827.2	4647.3	4500.0	4414.0	4268.0	4171.5	4155.9	4115.5	4150.7
5119.2	5°	4915.9	4584.8	4249.7	3949.9	3703.5	3385.4	3148.2	3047.8	2960.5	2990.5
5153.1	7.5°	4870.2	4347.5	3826.1	3313.7	2787.1	2278.7	1900.6	1742.9	1623.0	1639.9
5190.9	10°	4809.0	4101.1	3283.8	2501.6	1796.4	1294.5	1033.8	937.3	883.8	885.1
5247.0	12.5°	4762.0	3806.5	2654.1	1696.0	1093.7	826.5	745.7	722.2	706.5	707.9
5331.7	15°	4738.6	3459.7	2032.3	1130.2	782.2	700.0	680.5	670.0	659.6	658.3
5425.6	17.5°	4699.5	3073.9	1487.4	825.2	684.4	655.7	638.8	627.0	614.0	611.4
5506.4	20°	4640.8	2635.9	1087.2	697.4	641.4	619.2	595.7	580.1	564.5	561.9
5557.2	22.5°	4532.6	2173.1	835.6	645.3	610.1	585.3	556.6	538.4	522.7	520.1
5532.5	25°	4331.9	1739.0	703.9	612.7	582.7	552.7	521.4	496.7	482.3	479.7
5479.0	27.5°	4077.7	1366.2	638.8	582.7	547.5	520.1	484.9	461.5	448.4	445.8
5408.6	30°	3777.8	1052.0	601.0	548.8	505.8	482.3	451.0	431.5	423.7	423.7
5359.1	32.5°	3454.5	840.8	585.3	514.9	469.3	443.2	418.5	410.6	408.0	406.7
5386.5	35°	3150.8	730.0	577.5	487.5	436.7	411.9	401.5	402.8	408.0	408.0
5471.2	37.5°	2881.0	694.8	573.6	468.0	408.0	385.9	392.4	404.1	398.9	398.9
5619.8	40°	2637.2	698.7	571.0	453.7	384.6	371.5	384.6	375.4	362.4	361.1
5801.0	42.5°	2450.8	731.3	565.8	441.9	370.2	361.1	355.9	341.5	340.2	342.8
5988.7	45°	2315.2	760.0	564.5	436.7	354.6	337.6	331.1	316.8	342.8	349.4
6065.6	47.5°	2154.8	760.0	564.5	418.5	328.5	322.0	311.6	295.9	322.0	328.5
5992.6	50°	1947.6	711.8	542.3	397.6	307.6	303.7	285.5	265.9	260.7	264.6
5821.9	52.5°	1685.6	624.4	486.2	368.9	286.8	279.0	256.8	242.5	238.6	238.6
5515.5	55°	1387.0	522.7	410.6	327.2	264.6	250.3	234.6	228.1	224.2	221.6
5086.6	57.5°	1127.6	428.9	329.8	290.7	243.8	225.5	220.3	212.5	206.0	202.1
4728.1	60°	925.6	337.6	272.5	258.1	222.9	206.0	204.7	194.2	177.3	174.7
4432.2	62.5°	714.4	247.7	229.4	224.2	202.1	187.7	185.1	164.3	138.2	133.0
4012.5	65°	504.5	192.9	185.1	196.8	179.9	166.9	160.3	129.1	101.7	97.8
3358.1	67.5°	354.6	161.6	146.0	172.1	156.4	139.5	135.6	109.5	84.7	82.1
2539.4	70°	252.9	131.7	119.9	147.3	125.1	122.5	114.7	91.3	69.1	66.5
1256.7	72.5°	178.6	100.4	92.6	127.8	86.0	105.6	93.9	70.4	52.1	49.5
427.6	75°	131.7	71.7	65.2	74.3	62.6	79.5	66.5	46.9	32.6	31.3
192.9	77.5°	96.5	45.6	39.1	36.5	36.5	49.5	36.5	19.6	14.3	13.0
97.8	80°	67.8	20.9	18.3	15.6	14.3	11.7	5.2	2.6	1.3	1.3
33.9	82.5°	40.4	9.1	9.1	6.5	3.9	0.0	0.0	0.0	0.0	0.0
13.0	85°	9.1	3.9	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
5.2	87.5°	1.3	1.3	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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