

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: P950901

Luminaire Tested: **GLAN-SB5B-722-U-AFL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950901  
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-SB5B-722-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

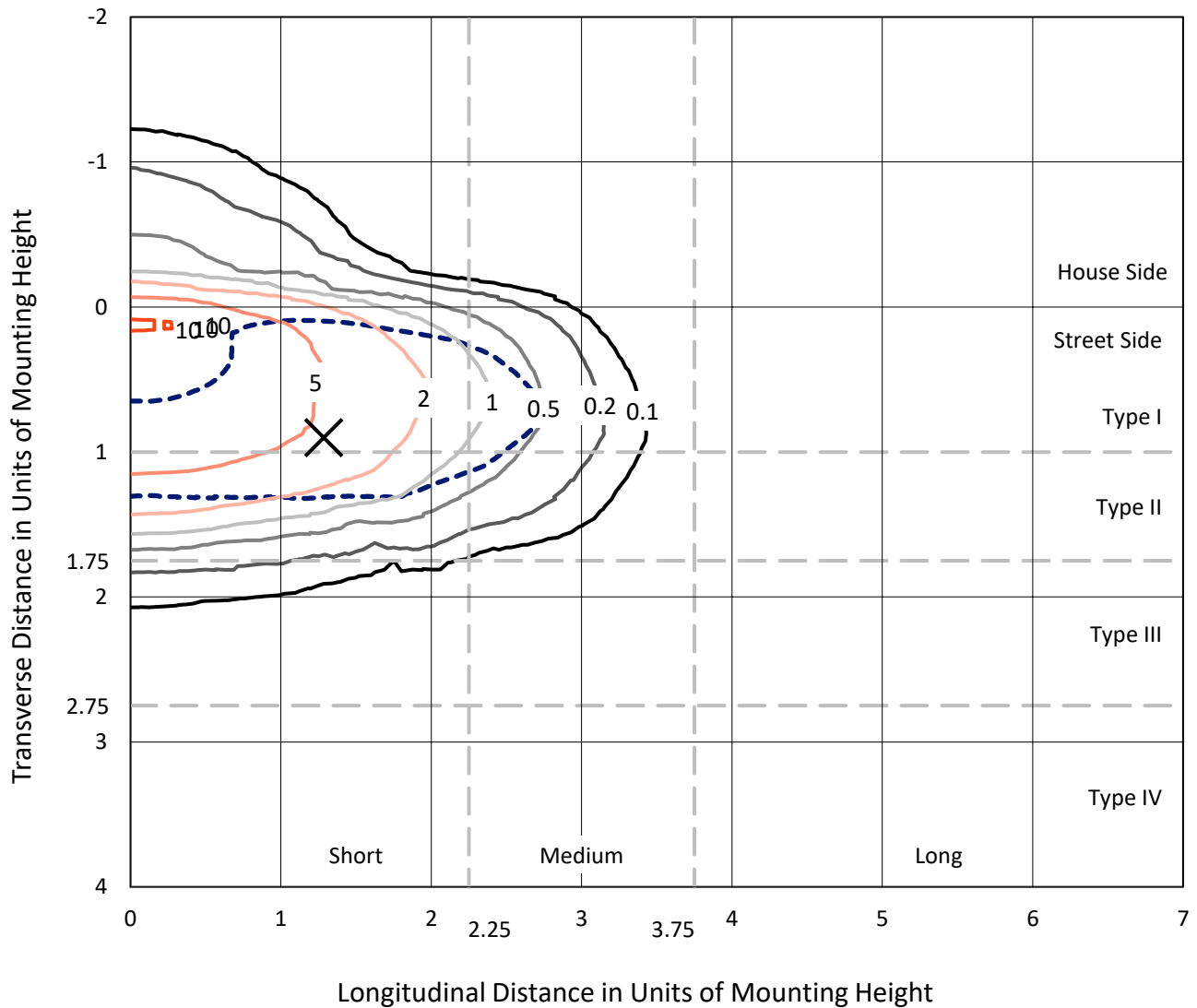
Lumens per Lamp: N/A  
Luminaire Lumens: 20035 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

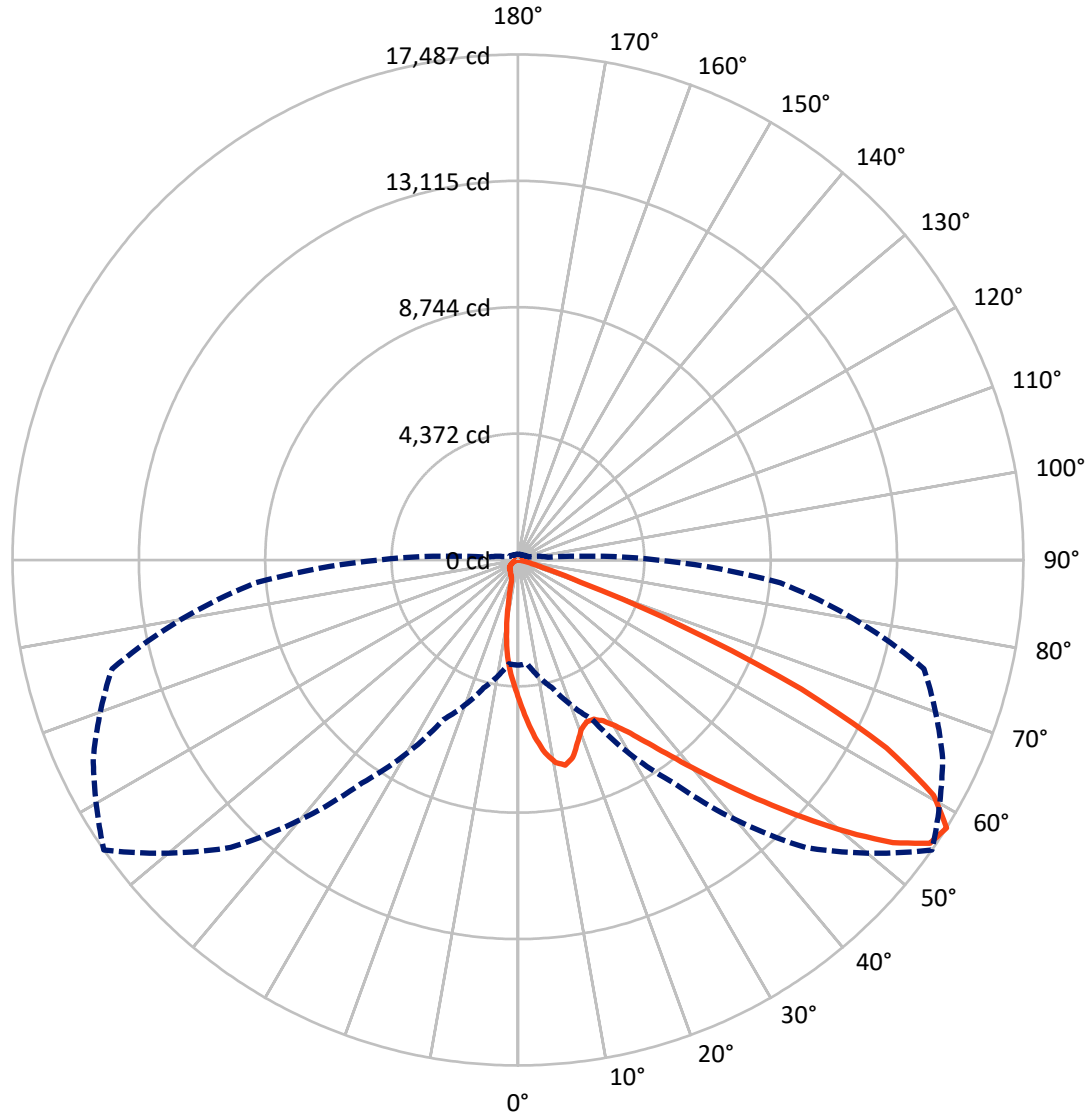
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 57.5-Deg Vertical

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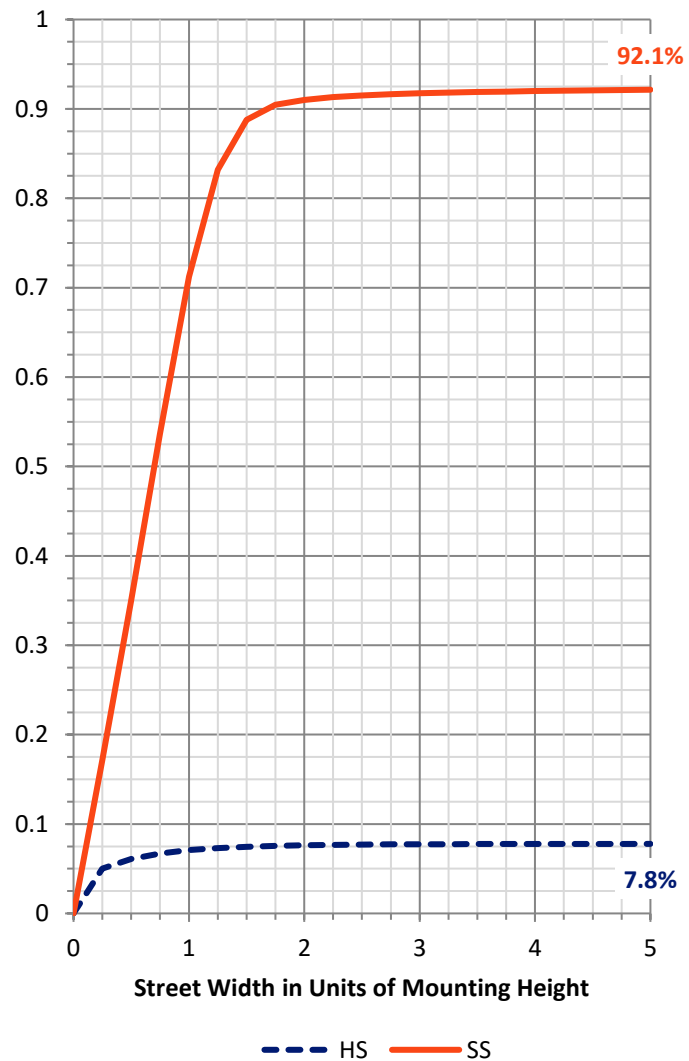
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1564.7	0.0	1564.7
	% Fixture	7.8	0.0	7.8
<b>Street Side</b>	Lumens	18470.4	0.0	18470.4
	% Fixture	92.2	0.0	92.2
<b>Total</b>	Lumens	20035.0	0.0	20035.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	449.2	2.2
10°-20°	1085.1	5.4
20°-30°	1736.1	8.7
30°-40°	2938.5	14.7
40°-50°	4824.3	24.1
50°-60°	5302.3	26.5
60°-70°	3041.4	15.2
70°-80°	621.4	3.1
80°-90°	36.7	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°	20035.0	100.0
0°-180°	20035.0	100.0

**Coefficient of Utilization**



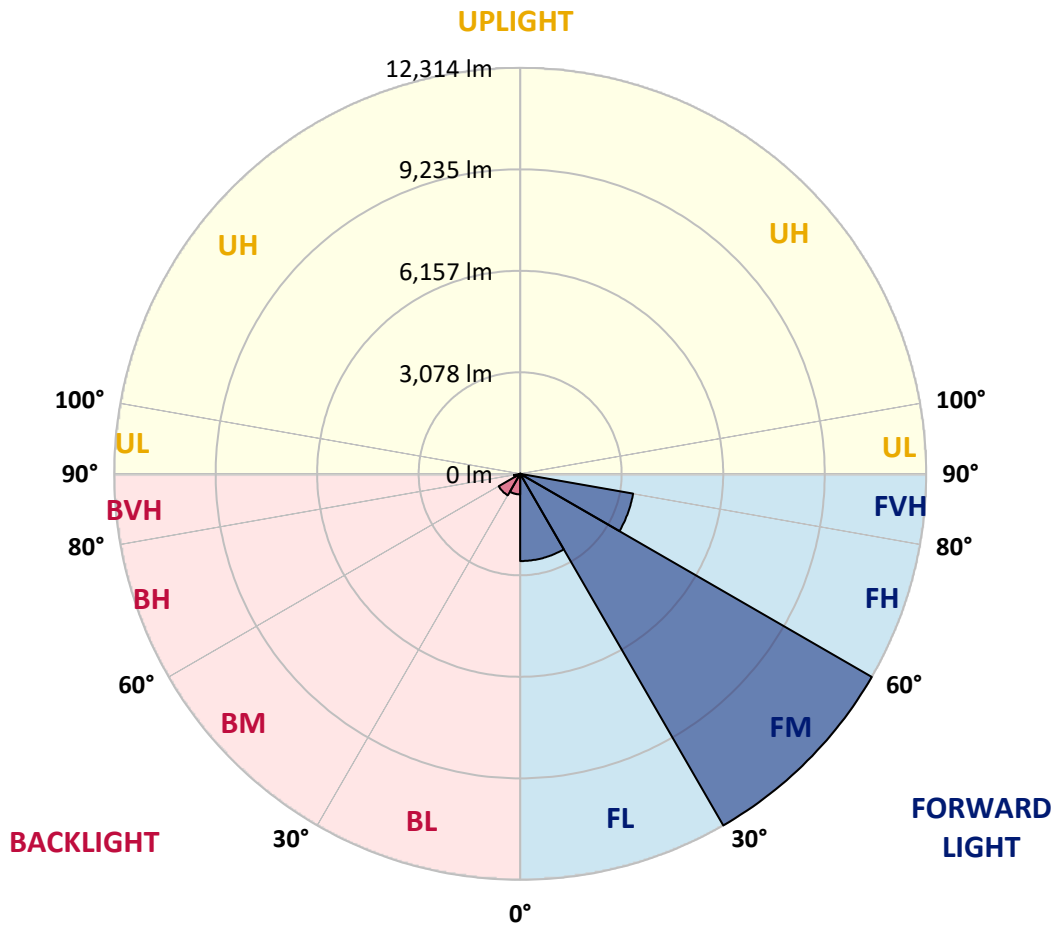
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2645.7	13.2			
FM (30°-60°)	12313.7	61.5			
FH (60°-80°)	3476.8	17.4			G2/5000
FVH (80°-90°)	34.2	0.2			G1/100
BL (0°-30°)	624.6	3.1	B2/1000		
BM (30°-60°)	751.5	3.8	B1/1000		
BH (60°-80°)	186.1	0.9	B1/500		G1/500
BVH (80°-90°)	2.5	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°	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9
2.5°	5990.5	5915.1	5904.0	5889.1	5745.8	5638.4	5482.7	5312.2	5120.7	4925.5
5°	6920.7	6861.4	6850.3	6781.1	6618.0	6435.2	6158.5	5808.8	5451.8	5031.8
7.5°	7101.1	7090.0	7140.6	7138.1	7115.9	6971.4	6737.9	6321.5	5785.4	5162.7
10°	6296.8	6325.2	6476.0	6608.2	6965.2	7172.7	7122.1	6778.6	6128.8	5312.2
12.5°	5564.2	5530.9	5638.4	5787.8	6202.9	6820.6	7281.4	7160.4	6521.7	5481.5
15°	5104.7	5091.1	5151.6	5220.8	5537.1	6159.7	7096.1	7470.5	6899.7	5681.6
17.5°	4957.7	4946.5	4965.1	4982.4	5187.4	5669.2	6655.1	7660.7	7261.7	5910.2
20°	5077.5	5062.7	5060.2	5046.6	5131.8	5460.5	6256.1	7674.3	7586.6	6117.7
22.5°	5427.1	5409.8	5349.3	5294.9	5302.3	5488.9	6078.2	7538.4	7831.2	6311.7
25°	6060.9	6032.5	5906.4	5723.6	5607.5	5686.5	6105.3	7359.3	8064.7	6463.6
27.5°	6854.0	6816.9	6655.1	6383.3	6117.7	6021.3	6301.8	7235.7	8258.6	6579.7
30°	7631.1	7582.9	7423.5	7212.3	6824.3	6520.4	6656.3	7290.1	8489.7	6700.8
32.5°	8469.9	8424.2	8212.9	7951.0	7629.8	7220.9	7141.8	7555.7	8772.6	6870.1
35°	9531.1	9459.5	9159.3	8802.2	8461.3	8047.4	7799.1	8014.0	9149.4	7128.3
37.5°	10739.3	10643.0	10319.3	9826.4	9381.6	8918.3	8599.6	8644.1	9701.6	7474.2
40°	11878.4	11790.7	11491.7	11027.2	10468.8	9906.7	9566.9	9468.1	10463.8	7895.4
42.5°	12561.5	12482.5	12356.5	12160.0	11689.4	11116.1	10687.4	10473.7	11365.7	8399.5
45°	12599.8	12530.7	12699.9	12928.5	12835.8	12454.1	11931.5	11539.9	12271.2	8872.6
47.5°	11987.1	11940.1	12454.1	13252.1	13649.9	13810.5	13328.7	12517.1	13018.6	9212.4
50°	10316.8	10299.5	11357.0	12822.2	13960.0	14999.0	14802.6	13426.3	13598.0	9387.8
52.5°	8945.5	8882.5	9499.0	11446.0	13509.1	15624.1	16243.0	14318.3	14003.3	9421.2
55°	6784.8	6729.2	7502.6	9143.2	12055.0	15401.7	17296.8	15238.7	14293.6	9335.9
57.5°	3639.5	3604.9	4582.1	6085.6	9423.6	14067.5	17487.1	16212.1	14538.2	9109.8
60°	1417.0	1410.8	1776.5	2952.6	5727.3	11444.7	16527.2	16796.5	14691.4	8831.9
62.5°	857.4	875.9	935.2	1325.6	2530.1	7109.7	14314.6	16131.8	14793.9	8577.4
65°	709.1	710.4	717.8	910.5	1211.9	2974.8	10776.4	13945.2	14540.7	8124.0
67.5°	607.8	618.9	647.3	722.7	854.9	1304.6	6204.2	10802.3	13000.1	7069.0
70°	479.3	494.2	530.0	594.2	659.7	816.6	2292.9	7187.6	9931.4	5328.3
72.5°	404.0	402.7	421.3	483.0	523.8	574.5	882.1	4027.4	5771.8	2543.7
75°	312.6	324.9	348.4	404.0	428.7	416.3	478.1	1471.4	2068.1	770.9
77.5°	244.6	254.5	275.5	329.9	354.6	295.3	275.5	526.3	664.6	276.7
80°	110.0	118.6	187.8	243.4	289.1	203.8	149.5	269.3	295.3	126.0
82.5°	19.8	33.4	110.0	128.5	148.2	132.2	77.8	139.6	144.5	50.7
85°	1.2	2.5	38.3	46.9	59.3	43.2	23.5	55.6	48.2	17.3
87.5°	0.0	0.0	0.0	1.2	1.2	6.2	7.4	9.9	7.4	6.2
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°
4827.9	0°	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9
4839.1	2.5°	4750.1	4574.7	4404.2	4264.6	4183.1	4044.7	3953.3	3938.5	3900.2	3933.5
4851.4	5°	4658.7	4344.9	4027.4	3743.3	3509.8	3208.3	2983.5	2888.4	2805.6	2834.0
4883.5	7.5°	4615.5	4120.1	3625.9	3140.4	2641.3	2159.5	1801.2	1651.7	1538.1	1554.1
4919.4	10°	4557.4	3886.6	3112.0	2370.7	1702.4	1226.8	979.7	888.3	837.6	838.8
4972.5	12.5°	4512.9	3607.4	2515.3	1607.3	1036.5	783.2	706.6	684.4	669.6	670.8
5052.8	15°	4490.7	3278.8	1926.0	1071.1	741.2	663.4	644.9	635.0	625.1	623.9
5141.7	17.5°	4453.6	2913.1	1409.6	782.0	648.6	621.4	605.3	594.2	581.9	579.4
5218.3	20°	4398.0	2498.0	1030.3	660.9	607.8	586.8	564.6	549.8	534.9	532.5
5266.5	22.5°	4295.5	2059.4	791.9	611.5	578.2	554.7	527.5	510.2	495.4	492.9
5243.0	25°	4105.2	1648.0	667.1	580.6	552.2	523.8	494.2	470.7	457.1	454.6
5192.4	27.5°	3864.3	1294.7	605.3	552.2	518.9	492.9	459.6	437.3	425.0	422.5
5125.7	30°	3580.2	997.0	569.5	520.1	479.3	457.1	427.4	408.9	401.5	401.5
5078.7	32.5°	3273.8	796.8	554.7	488.0	444.7	420.0	396.6	389.2	386.7	385.4
5104.7	35°	2986.0	691.8	547.3	462.0	413.9	390.4	380.5	381.7	386.7	386.7
5185.0	37.5°	2730.2	658.5	543.6	443.5	386.7	365.7	371.9	383.0	378.0	378.0
5325.8	40°	2499.2	662.2	541.1	429.9	364.4	352.1	364.4	355.8	343.4	342.2
5497.5	42.5°	2322.6	693.1	536.2	418.8	350.9	342.2	337.3	323.7	322.4	324.9
5675.4	45°	2194.1	720.2	534.9	413.9	336.0	320.0	313.8	300.2	324.9	331.1
5748.3	47.5°	2042.1	720.2	534.9	396.6	311.3	305.1	295.3	280.4	305.1	311.3
5679.1	50°	1845.7	674.5	513.9	376.8	291.6	287.8	270.6	252.0	247.1	250.8
5517.3	52.5°	1597.4	591.8	460.8	349.6	271.8	264.4	243.4	229.8	226.1	226.1
5227.0	55°	1314.5	495.4	389.2	310.1	250.8	237.2	222.4	216.2	212.5	210.0
4820.5	57.5°	1068.6	406.4	312.6	275.5	231.0	213.7	208.8	201.4	195.2	191.5
4480.8	60°	877.1	320.0	258.2	244.6	211.3	195.2	194.0	184.1	168.0	165.5
4200.4	62.5°	677.0	234.7	217.4	212.5	191.5	177.9	175.4	155.7	131.0	126.0
3802.6	65°	478.1	182.8	175.4	186.5	170.5	158.1	152.0	122.3	96.4	92.7
3182.4	67.5°	336.0	153.2	138.4	163.1	148.2	132.2	128.5	103.8	80.3	77.8
2406.6	70°	239.7	124.8	113.7	139.6	118.6	116.1	108.7	86.5	65.5	63.0
1190.9	72.5°	169.2	95.1	87.7	121.1	81.5	100.1	88.9	66.7	49.4	46.9
405.2	75°	124.8	67.9	61.8	70.4	59.3	75.4	63.0	44.5	30.9	29.6
182.8	77.5°	91.4	43.2	37.1	34.6	34.6	46.9	34.6	18.5	13.6	12.4
92.7	80°	64.2	19.8	17.3	14.8	13.6	11.1	4.9	2.5	1.2	1.2
32.1	82.5°	38.3	8.6	8.6	6.2	3.7	0.0	0.0	0.0	0.0	0.0
12.4	85°	8.6	3.7	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
4.9	87.5°	1.2	1.2	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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