

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: P948088

Luminaire Tested: **GLAN-SB3B-730-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-730-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

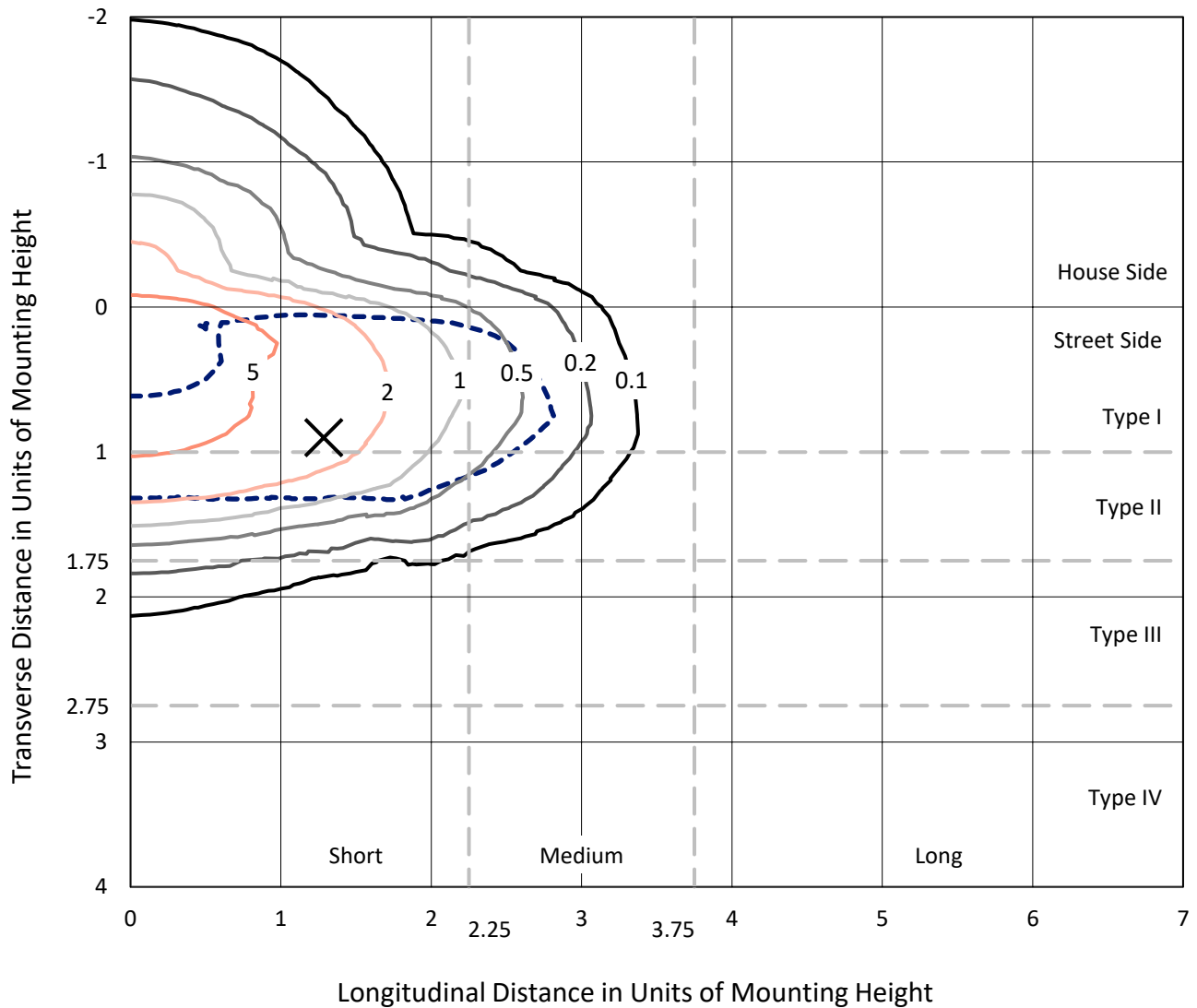
Lumens per Lamp: N/A  
Luminaire Lumens: 17183 lumens  
Efficiency: N/A  
Efficacy: 157.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

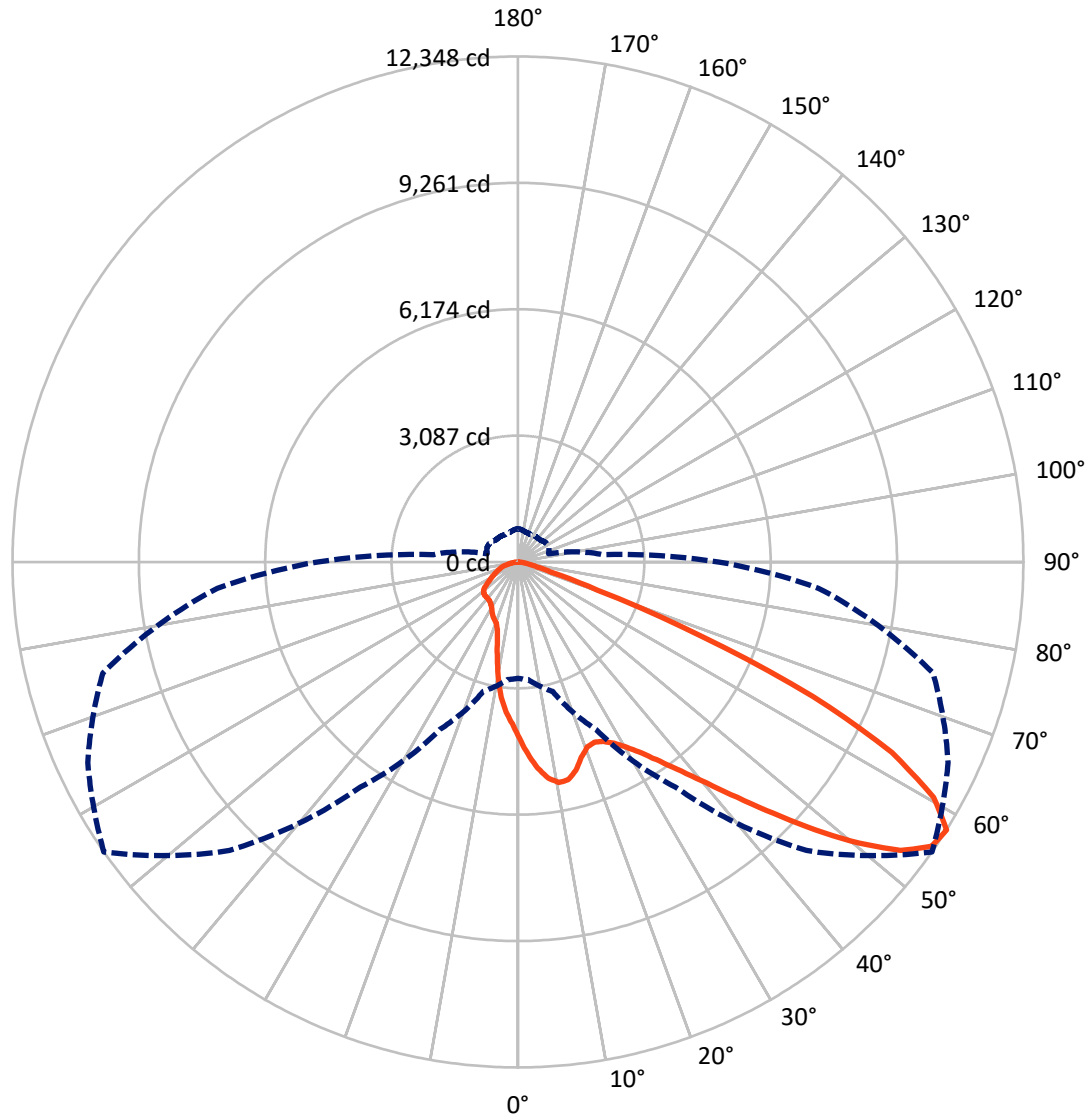
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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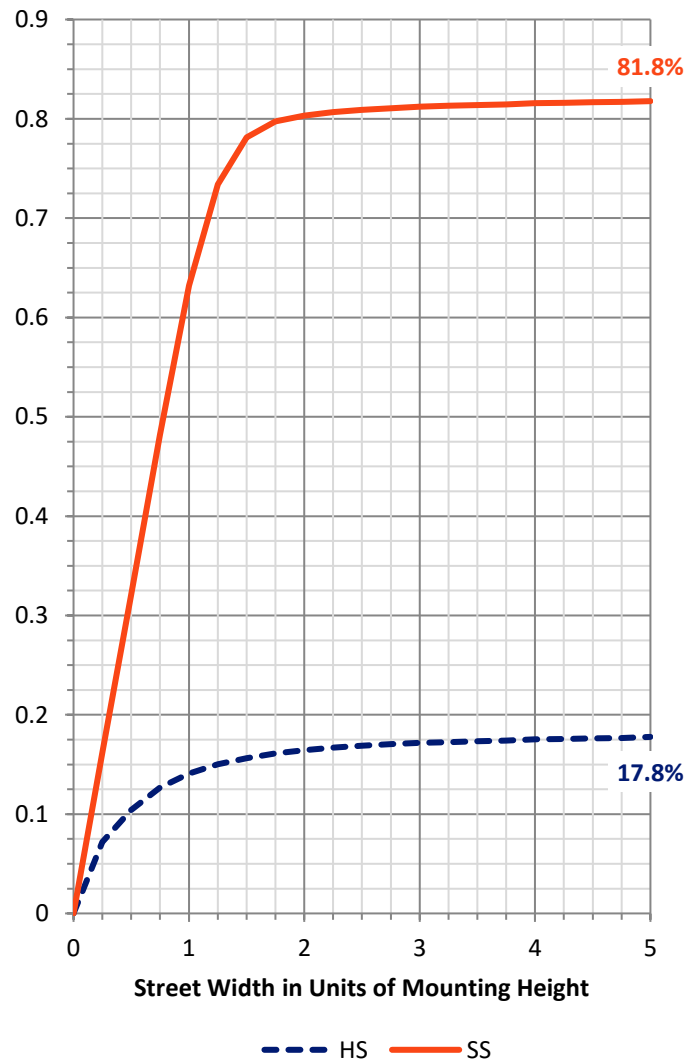
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3109.2	0.0	3109.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	14073.8	0.0	14073.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	17183.0	0.0	17183.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.5	2.3
10°-20°	1008.4	5.9
20°-30°	1609.2	9.4
30°-40°	2547.7	14.8
40°-50°	3899.5	22.7
50°-60°	4176.7	24.3
60°-70°	2627.6	15.3
70°-80°	777.0	4.5
80°-90°	137.4	0.8
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°	17183.0	100.0
0°-180°	17183.0	100.0

**Coefficient of Utilization**



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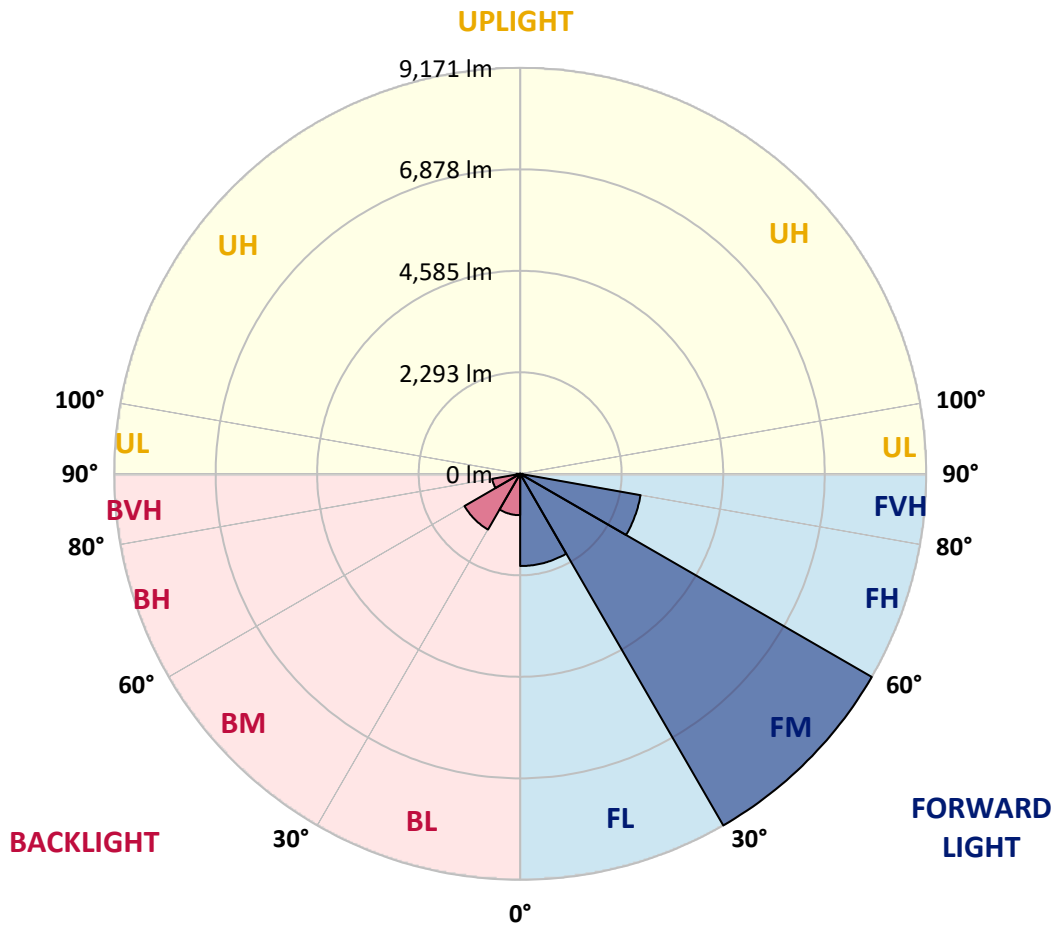
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2082.6	12.1			
FM (30°-60°)	9170.7	53.4			
FH (60°-80°)	2762.5	16.1			G2/5000
FVH (80°-90°)	58.1	0.3			G1/100
BL (0°-30°)	934.5	5.4	B2/1000		
BM (30°-60°)	1453.2	8.5	B2/2500		
BH (60°-80°)	642.1	3.7	B2/1000		G2/1000
BVH (80°-90°)	79.3	0.5			G1/100
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°	4305.5	4305.5	4305.5	4305.5	4305.5	4305.5	4305.5	4305.5	4305.5	4305.5
2.5°	4939.7	4936.2	4955.7	4889.1	4843.8	4782.5	4701.7	4598.6	4487.6	4370.3
5°	5384.8	5353.7	5374.1	5324.4	5274.6	5182.2	5062.3	4894.4	4689.2	4455.6
7.5°	5314.6	5293.3	5345.7	5390.1	5427.4	5415.9	5327.9	5152.0	4887.3	4548.0
10°	4748.8	4724.8	4798.5	4952.2	5177.8	5374.1	5480.7	5371.4	5089.9	4649.3
12.5°	4249.5	4238.0	4286.8	4411.2	4661.7	5038.3	5461.2	5563.3	5300.4	4769.2
15°	4036.4	4022.1	4053.2	4116.3	4276.2	4627.1	5283.5	5694.8	5507.3	4907.8
17.5°	3989.3	3973.3	3986.6	4019.5	4122.5	4389.9	5015.2	5759.6	5723.2	5062.3
20°	4076.3	4063.0	4064.8	4063.0	4135.0	4347.3	4828.7	5734.7	5911.5	5204.4
22.5°	4286.8	4264.6	4265.5	4218.5	4257.5	4421.9	4779.8	5668.1	6079.4	5328.8
25°	4629.7	4589.8	4597.7	4477.8	4467.2	4588.9	4856.2	5616.6	6246.4	5428.3
27.5°	5098.7	5053.4	5029.5	4850.9	4765.6	4826.0	5011.7	5634.4	6404.5	5514.5
30°	5685.0	5629.9	5581.1	5327.9	5173.4	5151.1	5253.3	5751.6	6591.1	5605.1
32.5°	6403.6	6339.7	6250.8	5915.1	5697.4	5581.1	5566.0	5960.4	6809.6	5720.5
35°	7259.0	7175.5	7049.4	6615.0	6339.7	6101.6	5978.1	6261.5	7108.9	5894.6
37.5°	8140.2	8046.1	7930.6	7413.6	7075.2	6724.3	6480.9	6670.1	7507.8	6130.9
40°	8953.0	8847.3	8739.8	8279.7	7916.4	7493.5	7096.5	7187.1	7995.4	6413.4
42.5°	9432.7	9354.5	9313.6	9064.9	8784.2	8355.2	7862.2	7800.0	8543.5	6738.5
45°	9411.3	9379.4	9505.5	9608.5	9541.9	9303.9	8759.3	8477.8	9093.3	7020.1
47.5°	8908.6	8929.9	9211.5	9790.6	10045.6	10169.9	9780.9	9143.1	9571.2	7230.6
50°	7540.6	7558.4	8210.4	9459.3	10175.3	10876.1	10794.4	9792.4	9941.7	7359.4
52.5°	6457.8	6469.4	6749.2	8476.9	9747.1	11231.4	11707.6	10404.4	10212.6	7394.9
55°	4864.2	4904.2	5217.8	6650.6	8633.2	10949.9	12263.6	11035.1	10384.0	7398.5
57.5°	2841.6	2885.1	3272.4	4514.2	6710.1	9968.3	12348.0	11594.7	10500.4	7370.1
60°	1391.9	1410.6	1579.4	2372.6	4137.6	8077.1	11669.4	11865.7	10565.2	7355.0
62.5°	938.0	935.4	942.5	1170.8	2038.6	5189.3	10255.2	11391.3	10530.6	7297.2
65°	806.6	796.8	770.1	821.7	1056.2	2373.5	7923.5	9975.4	10266.8	7152.4
67.5°	697.3	698.2	699.1	683.1	754.2	1095.3	4842.0	7857.7	9319.9	6466.7
70°	577.4	585.4	588.9	588.9	614.7	718.6	2067.0	5385.7	7351.4	5070.3
72.5°	525.9	509.0	510.8	501.9	501.9	547.2	832.3	3053.0	4631.5	2852.3
75°	429.0	439.7	441.5	435.3	414.8	417.5	493.9	1280.9	1981.8	1183.2
77.5°	370.4	370.4	374.0	369.5	353.5	312.7	329.6	496.5	674.2	485.0
80°	297.6	296.7	311.8	320.7	295.8	231.0	210.5	274.5	299.4	213.2
82.5°	144.8	153.7	214.1	244.3	224.7	167.0	128.8	170.6	159.9	94.2
85°	84.4	79.9	95.9	135.9	128.8	92.4	62.2	88.8	83.5	48.0
87.5°	26.6	24.9	19.5	46.2	37.3	25.8	16.9	25.8	23.1	10.7
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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
4305.5	0°	4305.5	4305.5	4305.5	4305.5	4305.5	4305.5	4305.5	4305.5	4305.5	4305.5
4319.7	2.5°	4256.6	4151.8	4047.9	3952.9	3895.1	3857.8	3820.5	3778.8	3762.8	3738.8
4331.3	5°	4214.0	4011.5	3831.2	3675.7	3534.5	3423.4	3311.5	3220.9	3180.0	3207.6
4367.7	7.5°	4189.1	3896.0	3618.0	3332.8	3058.4	2838.9	2648.0	2513.8	2453.4	2468.5
4403.2	10°	4166.9	3765.4	3341.7	2891.4	2497.0	2225.1	2029.7	1927.6	1889.4	1897.4
4451.2	12.5°	4146.5	3618.9	3008.6	2416.1	1996.9	1817.4	1761.5	1762.4	1769.5	1774.8
4527.6	15°	4142.9	3442.1	2636.4	2000.4	1726.8	1715.3	1775.7	1813.9	1834.3	1840.5
4591.5	17.5°	4137.6	3230.7	2257.1	1717.0	1661.1	1739.3	1795.2	1820.1	1836.1	1837.0
4653.7	20°	4116.3	2962.4	1907.1	1582.0	1646.9	1714.4	1749.0	1768.6	1781.9	1786.3
4700.8	22.5°	4050.6	2664.0	1634.4	1521.6	1590.0	1644.2	1685.1	1707.3	1715.3	1720.6
4709.7	25°	3932.4	2330.0	1446.1	1463.9	1511.0	1579.4	1612.2	1616.7	1614.0	1622.0
4687.5	27.5°	3777.9	1972.0	1328.9	1385.7	1446.1	1504.7	1522.5	1519.9	1514.5	1523.4
4649.3	30°	3591.3	1650.4	1254.3	1297.8	1380.4	1433.7	1449.7	1443.5	1432.8	1442.6
4629.7	32.5°	3394.1	1387.5	1193.0	1236.5	1326.2	1378.6	1394.6	1388.4	1380.4	1388.4
4651.9	35°	3210.3	1203.6	1136.1	1195.6	1283.6	1335.1	1355.5	1356.4	1356.4	1366.2
4710.6	37.5°	3041.5	1096.1	1089.0	1169.9	1254.3	1300.4	1329.8	1331.5	1293.3	1296.0
4810.0	40°	2885.1	1050.8	1067.7	1153.0	1225.8	1270.2	1272.0	1172.5	1102.4	1100.6
4923.7	42.5°	2757.2	1042.0	1073.9	1151.2	1205.4	1207.2	1081.9	1004.6	985.1	986.0
5028.6	45°	2637.3	1039.3	1088.1	1151.2	1175.2	1042.8	958.5	938.0	939.8	946.9
5075.6	47.5°	2503.2	1028.6	1090.8	1135.2	1088.1	927.4	902.5	893.6	890.1	891.8
5065.0	50°	2356.6	990.4	1057.1	1103.2	938.9	877.6	846.5	843.9	848.3	851.0
5005.5	52.5°	2202.1	928.3	999.3	1045.5	870.5	834.1	799.5	805.7	825.2	831.4
4943.3	55°	2100.8	855.4	922.9	930.0	822.5	793.2	763.9	778.1	814.6	826.1
4906.0	57.5°	2074.1	778.1	835.9	827.9	761.3	757.7	739.9	752.4	798.6	815.4
4904.2	60°	2066.1	708.8	750.6	744.4	701.7	718.6	714.2	720.4	736.4	741.7
4886.4	62.5°	2004.0	653.8	674.2	665.3	648.4	677.8	688.4	675.1	687.5	693.7
4764.7	65°	1845.8	609.4	599.6	593.4	600.5	627.1	648.4	621.8	633.3	651.1
4295.7	67.5°	1584.7	549.0	522.3	529.4	551.6	565.8	593.4	563.2	572.9	603.1
3459.9	70°	1281.8	472.6	448.6	469.0	490.3	519.6	524.1	503.7	526.8	560.5
2111.4	72.5°	906.9	395.3	378.4	420.2	427.3	465.5	455.7	445.9	477.9	489.4
1043.7	75°	628.9	318.9	309.1	341.1	366.9	399.7	392.6	404.2	471.7	477.0
521.4	77.5°	398.0	247.8	241.6	262.0	297.6	334.0	345.5	477.0	805.7	837.6
270.9	80°	231.0	184.8	177.7	193.6	224.7	258.5	333.1	585.4	531.2	525.0
121.7	82.5°	128.8	127.0	118.1	122.6	150.1	186.5	470.8	412.2	334.9	345.5
48.9	85°	60.4	74.6	64.0	61.3	84.4	218.5	314.5	235.4	156.3	152.8
10.7	87.5°	16.0	14.2	14.2	16.0	35.5	188.3	125.2	100.4	59.5	57.7
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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