

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: P956866

Luminaire Tested: **GLAN-SB9B-927-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956866
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-SB9B-927-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31751 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 329.5
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

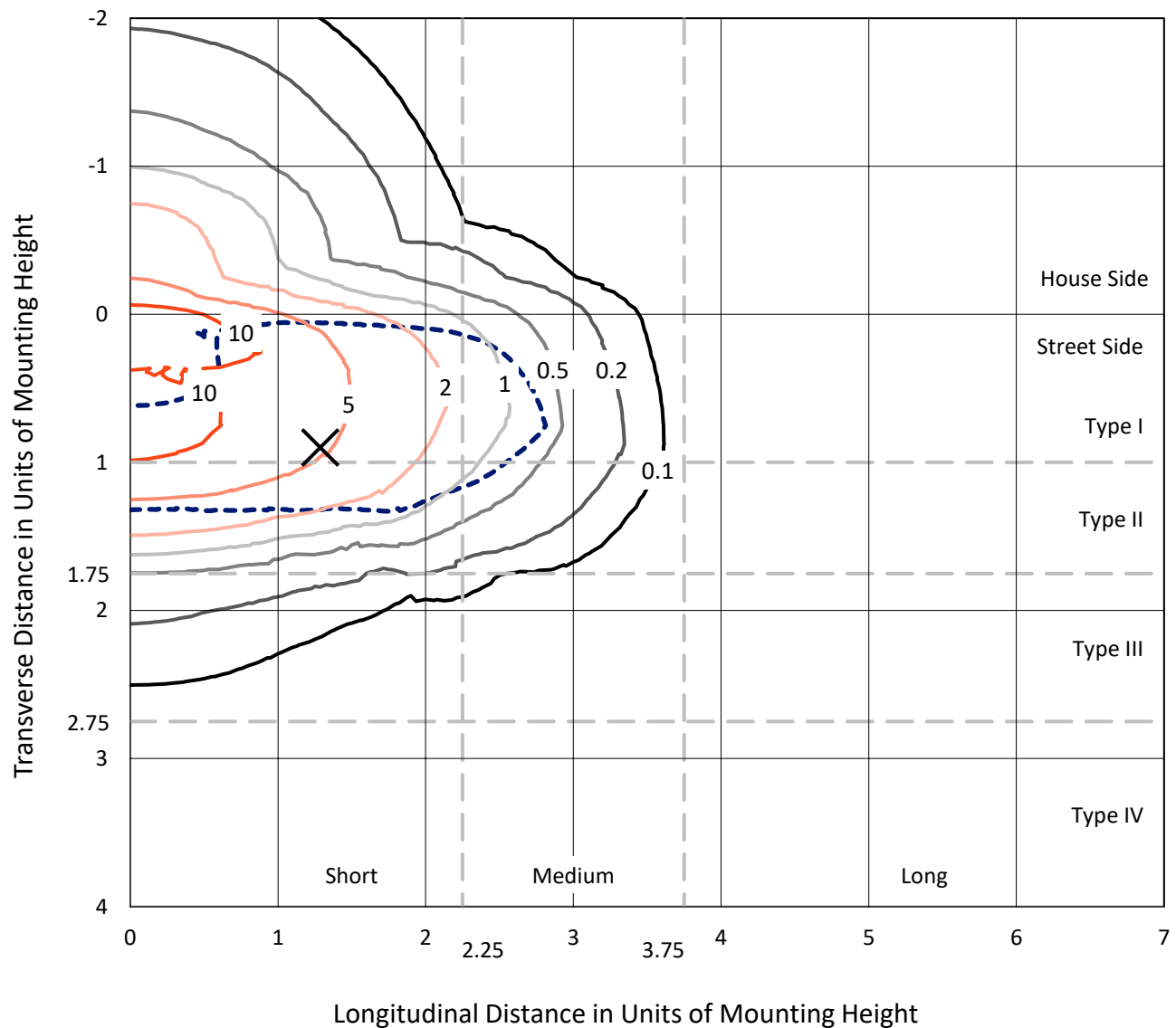


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Iso-Footcandle Lines of Horizontal Illumination

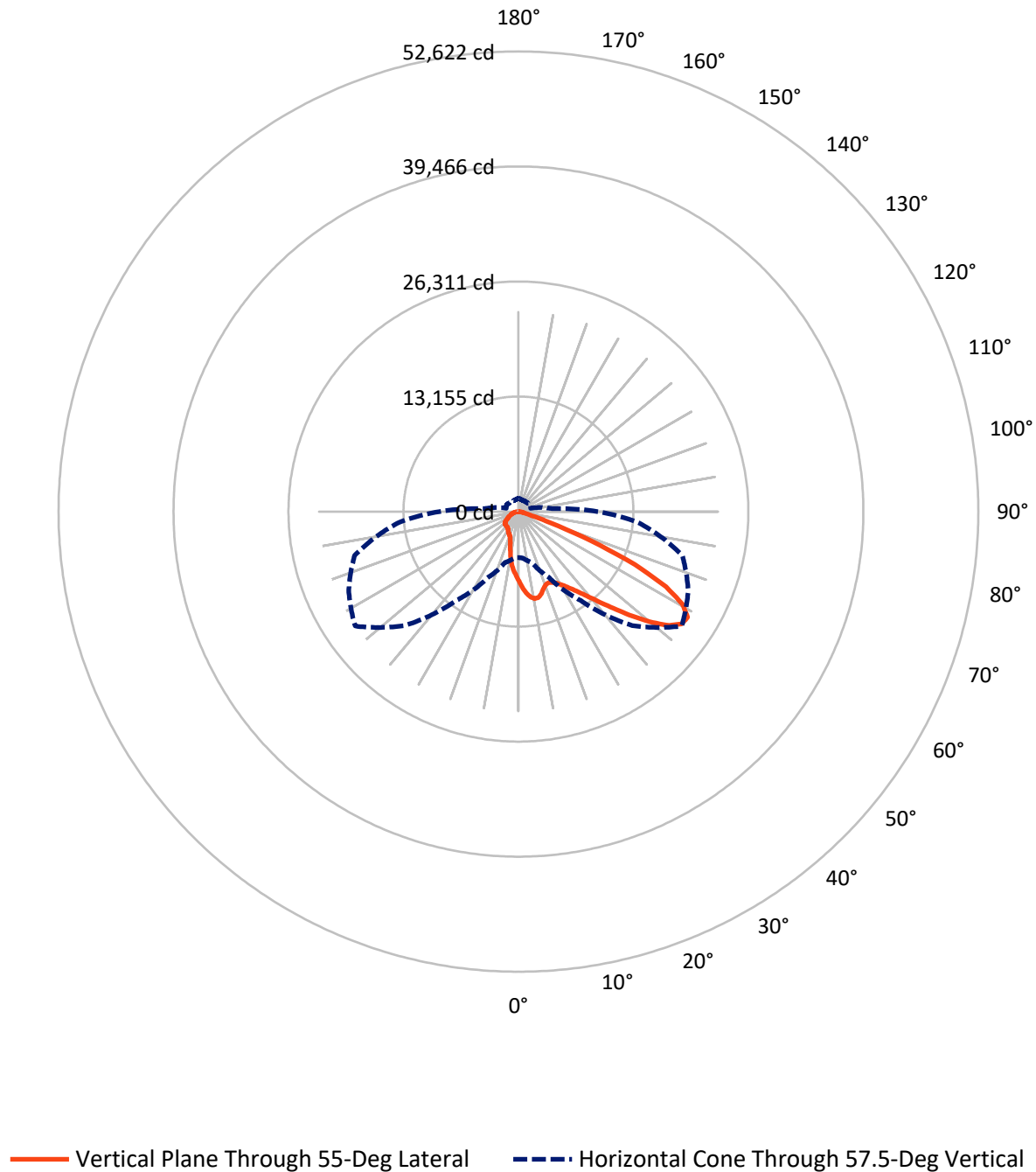
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 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	5745.2	0.0	5745.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	26005.8	0.0	26005.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	31751.0	0.0	31751.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	738.2	2.3
10°-20°	1863.4	5.9
20°-30°	2973.4	9.4
30°-40°	4707.6	14.8
40°-50°	7205.5	22.7
50°-60°	7717.8	24.3
60°-70°	4855.3	15.3
70°-80°	1435.8	4.5
80°-90°	253.9	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°	31751.0	100.0
0°-180°	31751.0	100.0

Coefficient of Utilization



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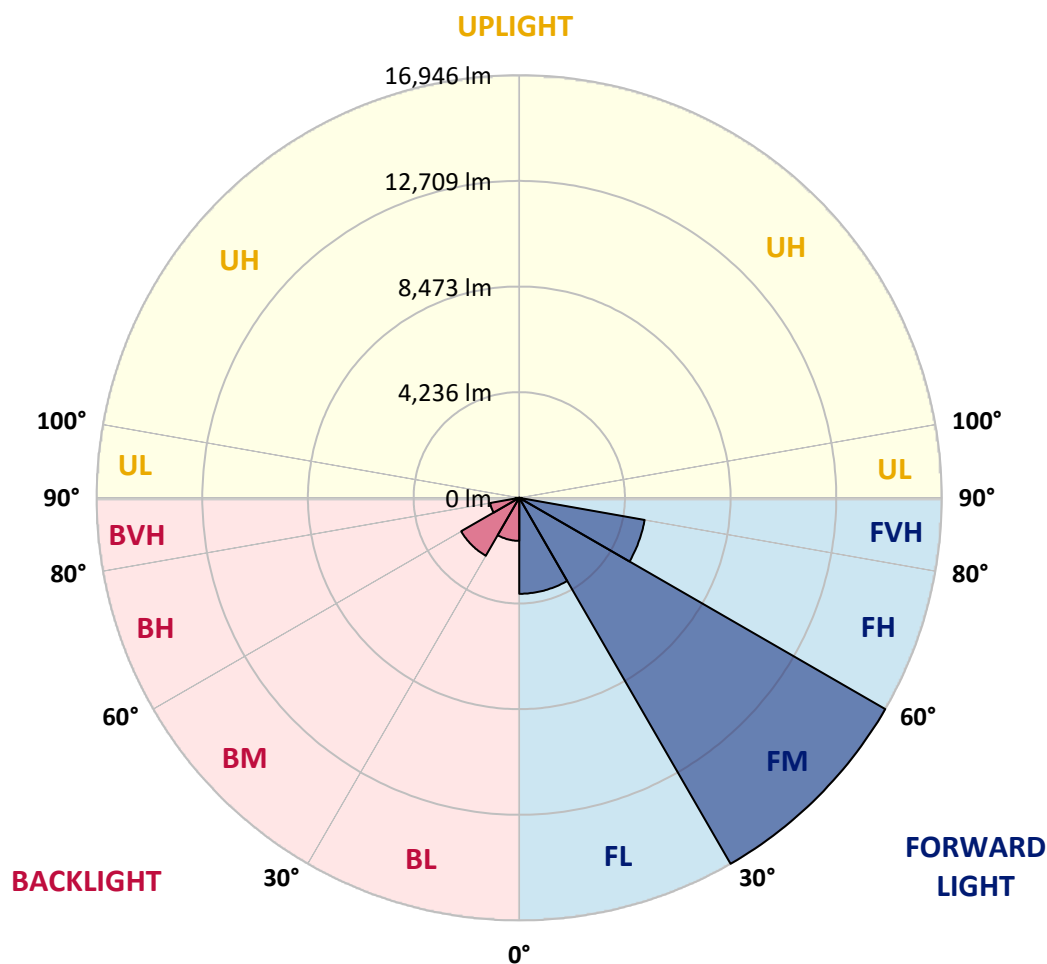
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3848.2	12.1			
FM	(30°-60°)	16945.7	53.4			
FH	(60°-80°)	5104.6	16.1			G3/7500
FVH	(80°-90°)	107.3	0.3			G2/225
BL	(0°-30°)	1726.8	5.4	B3/2500		
BM	(30°-60°)	2685.2	8.5	B3/5000		
BH	(60°-80°)	1186.5	3.7	B3/2500		G3/2500
BVH	(80°-90°)	146.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8
2.5°	9127.7	9121.1	9157.3	9034.2	8950.4	8837.2	8687.8	8497.4	8292.3	8075.6
5°	9950.0	9892.6	9930.4	9838.4	9746.5	9575.8	9354.2	9044.0	8664.8	8233.2
7.5°	9820.4	9781.0	9877.8	9959.9	10028.8	10007.5	9845.0	9520.0	9030.9	8403.9
10°	8774.8	8730.5	8866.7	9150.7	9567.6	9930.4	10127.3	9925.4	9405.1	8591.0
12.5°	7852.4	7831.0	7921.3	8151.1	8614.0	9309.9	10091.2	10280.0	9794.1	8812.6
15°	7458.4	7432.2	7489.6	7606.2	7901.6	8549.9	9762.9	10522.9	10176.6	9068.6
17.5°	7371.4	7341.9	7366.5	7427.2	7617.6	8111.7	9267.2	10642.7	10575.4	9354.2
20°	7532.3	7507.7	7511.0	7507.7	7640.6	8032.9	8922.5	10596.8	10923.4	9616.8
22.5°	7921.3	7880.3	7881.9	7794.9	7867.1	8170.8	8832.3	10473.6	11233.6	9846.6
25°	8554.9	8481.0	8495.8	8274.2	8254.5	8479.4	8973.4	10378.4	11542.2	10030.5
27.5°	9421.5	9337.8	9293.5	8963.6	8806.0	8917.6	9260.7	10411.3	11834.4	10189.7
30°	10504.8	10403.1	10312.8	9845.0	9559.4	9518.4	9707.1	10627.9	12179.0	10357.1
32.5°	11832.7	11714.5	11550.4	10930.0	10527.8	10312.8	10284.9	11013.7	12582.8	10570.5
35°	13413.4	13259.1	13026.0	12223.4	11714.5	11274.6	11046.5	11570.1	13136.0	10892.2
37.5°	15041.6	14867.6	14654.2	13699.0	13073.6	12425.2	11975.5	12325.1	13872.9	11328.8
40°	16543.5	16348.1	16149.5	15299.3	14628.0	13846.7	13113.0	13280.4	14774.1	11850.8
42.5°	17429.8	17285.4	17209.9	16750.3	16231.6	15438.8	14527.9	14413.0	15786.8	12451.5
45°	17390.4	17331.3	17564.4	17754.8	17631.7	17191.8	16185.7	15665.3	16802.8	12971.8
47.5°	16461.4	16500.8	17021.1	18091.3	18562.4	18792.2	18073.2	16894.7	17685.9	13360.8
50°	13933.7	13966.5	15171.3	17479.1	18802.0	20097.1	19946.1	18094.6	18370.3	13598.8
52.5°	11932.8	11954.2	12471.2	15663.7	18010.9	20753.6	21633.4	19225.5	18870.9	13664.5
55°	8988.2	9062.1	9641.5	12289.0	15952.6	20233.3	22660.9	20390.9	19187.7	13671.1
57.5°	5250.8	5331.2	6046.8	8341.5	12399.0	18419.6	22816.8	21424.9	19402.8	13618.5
60°	2572.0	2606.5	2918.4	4384.1	7645.5	14925.1	21562.8	21925.6	19522.6	13590.6
62.5°	1733.3	1728.4	1741.5	2163.3	3767.0	9588.9	18949.7	21049.1	19458.6	13483.9
65°	1490.4	1472.3	1423.1	1518.3	1951.6	4385.8	14641.1	18432.7	18971.1	13216.4
67.5°	1288.5	1290.1	1291.8	1262.2	1393.5	2023.8	8947.2	14519.6	17221.4	11949.2
70°	1066.9	1081.7	1088.2	1088.2	1135.8	1327.9	3819.5	9951.7	13584.1	9369.0
72.5°	971.7	940.5	943.8	927.4	927.4	1011.1	1538.0	5641.4	8558.2	5270.5
75°	792.8	812.5	815.8	804.3	766.5	771.4	912.6	2366.9	3661.9	2186.3
77.5°	684.5	684.5	691.0	682.8	653.3	577.8	609.0	917.5	1245.8	896.2
80°	549.9	548.2	576.1	592.5	546.6	426.8	389.0	507.2	553.1	393.9
82.5°	267.5	284.0	395.6	451.4	415.3	308.6	238.0	315.1	295.4	174.0
85°	155.9	147.7	177.3	251.1	238.0	170.7	114.9	164.1	154.3	88.6
87.5°	49.2	46.0	36.1	85.4	68.9	47.6	31.2	47.6	42.7	19.7
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°
7955.8	0°	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8	7955.8
7982.0	2.5°	7865.5	7671.8	7479.8	7304.1	7197.5	7128.5	7059.6	6982.4	6952.9	6908.6
8003.4	5°	7786.7	7412.5	7079.3	6792.0	6531.1	6325.9	6119.1	5951.6	5876.1	5927.0
8070.7	7.5°	7740.7	7199.1	6685.3	6158.5	5651.3	5245.9	4893.0	4645.1	4533.5	4561.4
8136.3	10°	7699.7	6957.8	6174.9	5342.7	4613.9	4111.7	3750.6	3561.8	3491.2	3506.0
8225.0	12.5°	7662.0	6687.0	5559.4	4464.6	3689.8	3358.3	3254.9	3256.5	3269.6	3279.5
8366.1	15°	7655.4	6360.3	4871.6	3696.4	3190.8	3169.5	3281.1	3351.7	3389.5	3400.9
8484.3	17.5°	7645.5	5969.7	4170.7	3172.8	3069.4	3213.8	3317.2	3363.2	3392.7	3394.4
8599.2	20°	7606.2	5474.0	3524.0	2923.3	3043.1	3167.9	3231.9	3268.0	3292.6	3300.8
8686.2	22.5°	7484.7	4922.5	3020.1	2811.7	2938.1	3038.2	3113.7	3154.7	3169.5	3179.4
8702.6	25°	7266.4	4305.3	2672.2	2705.0	2792.0	2918.4	2979.1	2987.3	2982.4	2997.2
8661.6	27.5°	6980.8	3643.9	2455.5	2560.6	2672.2	2780.5	2813.3	2808.4	2798.6	2815.0
8591.0	30°	6636.1	3049.7	2317.6	2398.1	2550.7	2649.2	2678.7	2667.2	2647.5	2665.6
8554.9	32.5°	6271.7	2563.8	2204.4	2284.8	2450.6	2547.4	2577.0	2565.5	2550.7	2565.5
8595.9	35°	5931.9	2224.1	2099.3	2209.3	2371.8	2467.0	2504.7	2506.4	2506.4	2524.4
8704.2	37.5°	5620.1	2025.5	2012.3	2161.7	2317.6	2403.0	2457.1	2460.4	2389.8	2394.8
8888.1	40°	5331.2	1941.8	1972.9	2130.5	2265.1	2347.2	2350.5	2166.6	2037.0	2033.7
9098.2	42.5°	5094.8	1925.3	1984.4	2127.2	2227.4	2230.6	1999.2	1856.4	1820.3	1821.9
9291.9	45°	4873.3	1920.4	2010.7	2127.2	2171.5	1927.0	1771.0	1733.3	1736.6	1749.7
9378.8	47.5°	4625.4	1900.7	2015.6	2097.7	2010.7	1713.6	1667.6	1651.2	1644.7	1647.9
9359.2	50°	4354.6	1830.1	1953.2	2038.6	1734.9	1621.7	1564.2	1559.3	1567.5	1572.4
9249.2	52.5°	4069.0	1715.2	1846.6	1931.9	1608.6	1541.3	1477.2	1488.7	1524.8	1536.3
9134.3	55°	3881.9	1580.6	1705.4	1718.5	1519.9	1465.8	1411.6	1437.8	1505.1	1526.5
9065.3	57.5°	3832.6	1437.8	1544.5	1529.8	1406.7	1400.1	1367.3	1390.2	1475.6	1506.8
9062.1	60°	3817.9	1309.8	1387.0	1375.5	1296.7	1327.9	1319.7	1331.2	1360.7	1370.6
9029.2	62.5°	3703.0	1208.1	1245.8	1229.4	1198.2	1252.4	1272.1	1247.4	1270.4	1281.9
8804.4	65°	3410.8	1126.0	1107.9	1096.4	1109.6	1158.8	1198.2	1149.0	1170.3	1203.1
7937.7	67.5°	2928.2	1014.4	965.1	978.3	1019.3	1045.6	1096.4	1040.6	1058.7	1114.5
6393.2	70°	2368.5	873.2	828.9	866.6	906.0	960.2	968.4	930.7	973.3	1035.7
3901.6	72.5°	1675.8	730.4	699.2	776.4	789.5	860.1	842.0	824.0	883.1	904.4
1928.6	75°	1162.1	589.3	571.2	630.3	677.9	738.6	725.5	746.8	871.6	881.4
963.5	77.5°	735.3	457.9	446.5	484.2	549.9	617.2	638.5	881.4	1488.7	1547.8
500.6	80°	426.8	341.4	328.3	357.8	415.3	477.6	615.5	1081.7	981.5	970.1
224.9	82.5°	238.0	234.7	218.3	226.5	277.4	344.7	869.9	761.6	618.8	638.5
90.3	85°	111.6	137.9	118.2	113.3	155.9	403.8	581.0	435.0	288.9	282.3
19.7	87.5°	29.5	26.3	26.3	29.5	65.7	348.0	231.4	185.5	110.0	106.7
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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