

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: P953548

Luminaire Tested: **GLAN-SB7A-827-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953548
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-SB7A-827-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28213 lumens
Efficiency: N/A
Efficacy: 141.7 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

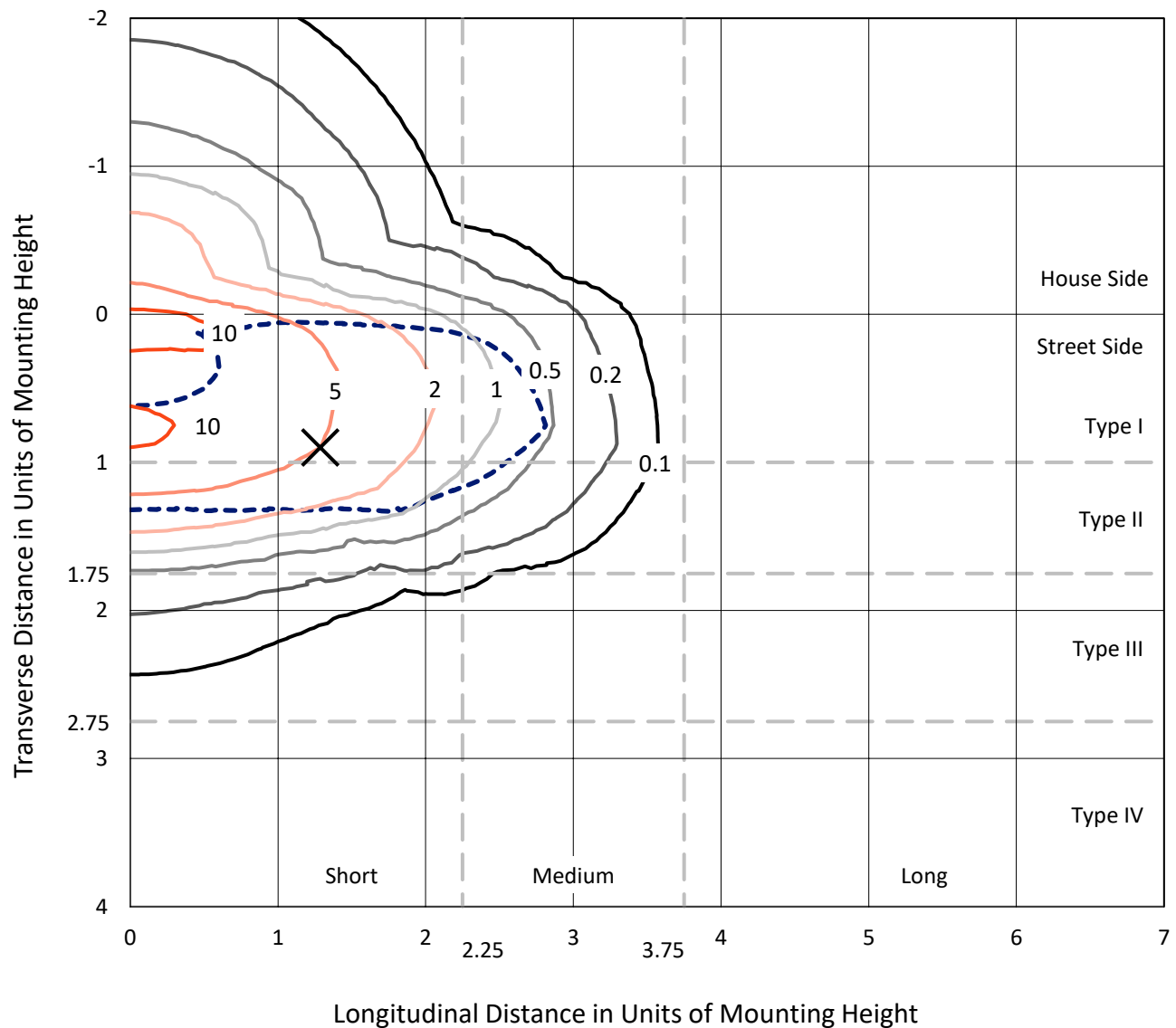
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

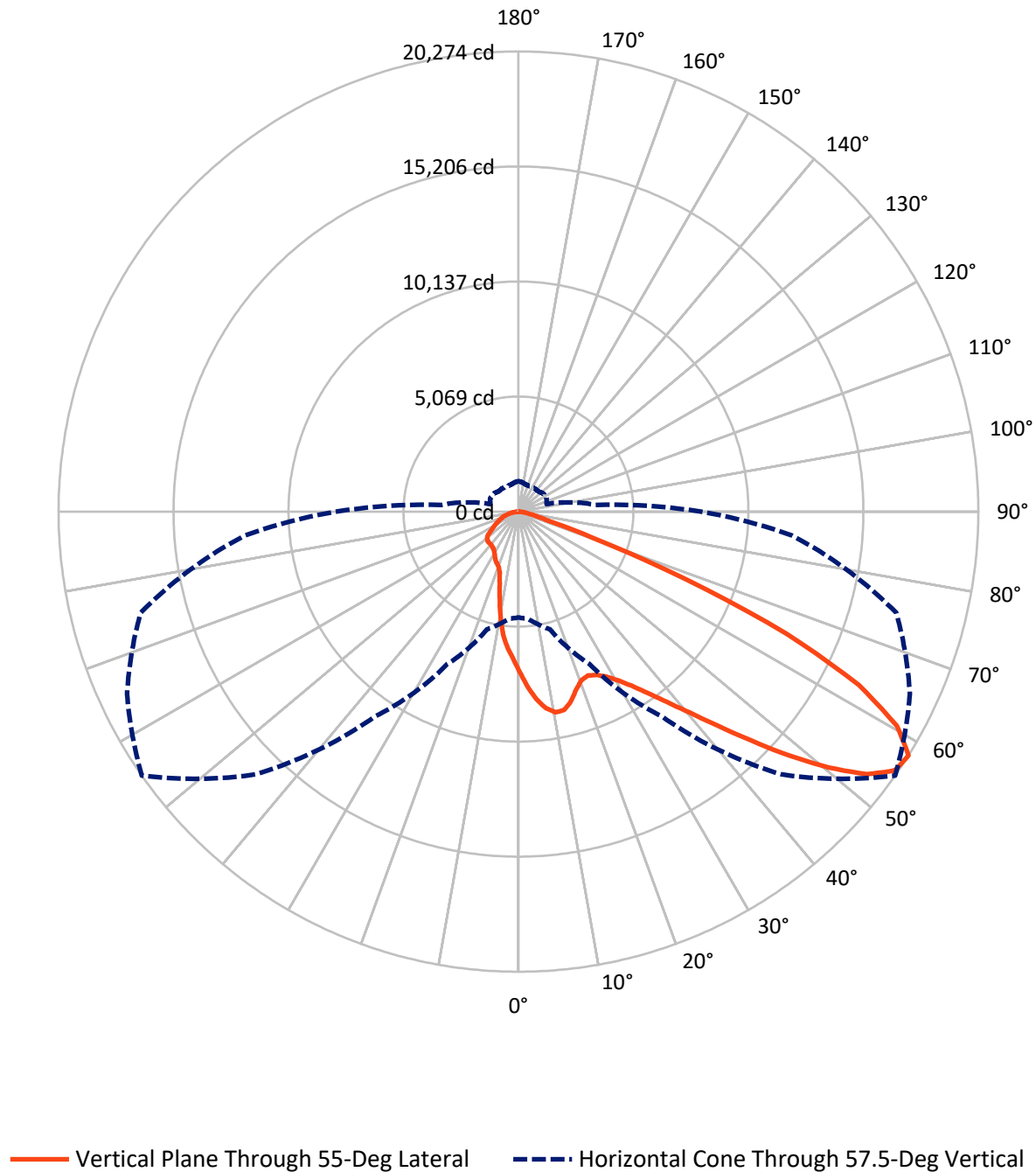
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 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	5105.0	0.0	5105.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	23108.0	0.0	23108.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	28213.0	0.0	28213.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	656.0	2.3
10°-20°	1655.7	5.9
20°-30°	2642.1	9.4
30°-40°	4183.1	14.8
40°-50°	6402.6	22.7
50°-60°	6857.8	24.3
60°-70°	4314.3	15.3
70°-80°	1275.8	4.5
80°-90°	225.6	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°	28213.0	100.0
0°-180°	28213.0	100.0

Coefficient of Utilization



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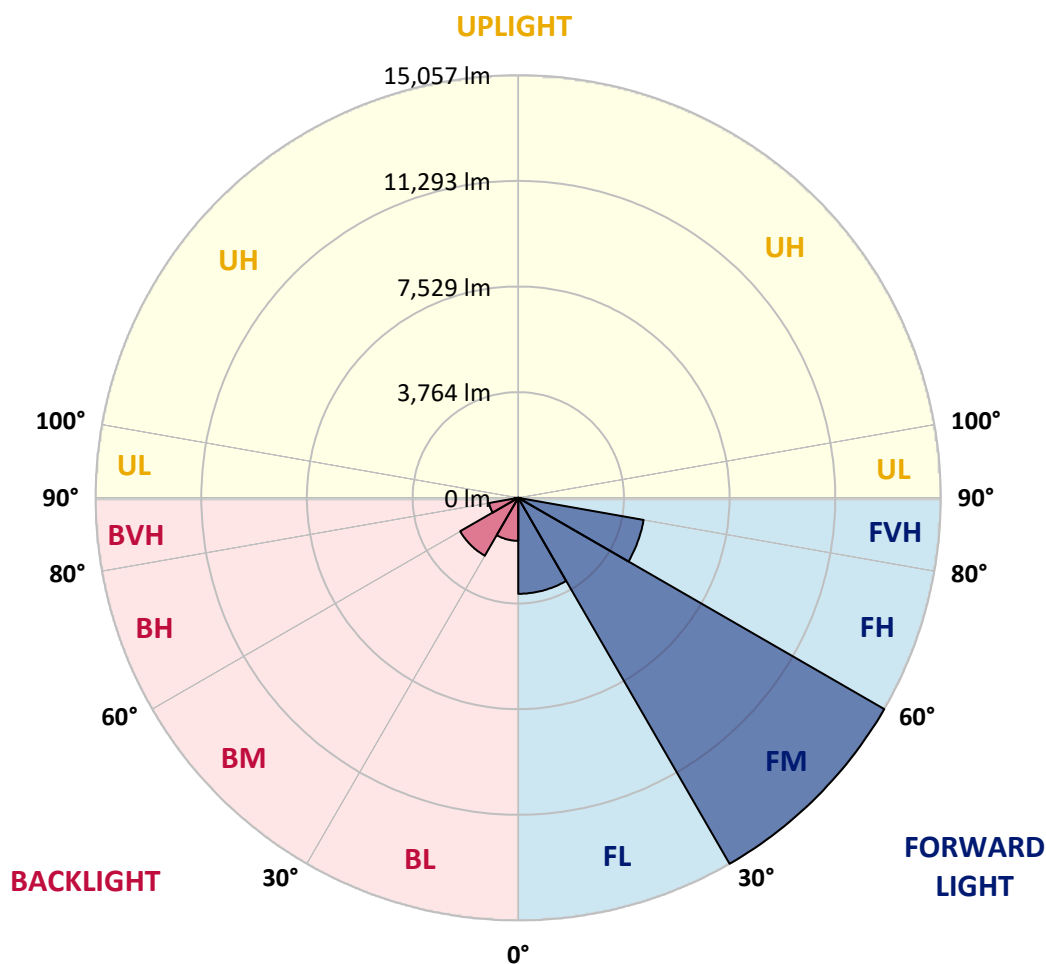
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3419.4	12.1			
FM	(30°-60°)	15057.5	53.4			
FH	(60°-80°)	4535.8	16.1			G2/5000
FVH	(80°-90°)	95.3	0.3			G1/100
BL	(0°-30°)	1534.4	5.4	B3/2500		
BM	(30°-60°)	2386.0	8.5	B2/2500		
BH	(60°-80°)	1054.3	3.7	B3/2500		G3/2500
BVH	(80°-90°)	130.3	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°	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3
2.5°	8110.6	8104.8	8136.9	8027.5	7953.1	7852.5	7719.7	7550.6	7368.3	7175.7
5°	8841.3	8790.3	8823.8	8742.1	8660.5	8508.8	8311.9	8036.2	7699.3	7315.7
7.5°	8726.1	8691.1	8777.1	8850.1	8911.3	8892.4	8748.0	8459.2	8024.6	7467.4
10°	7797.0	7757.7	7878.7	8131.0	8501.5	8823.8	8998.8	8819.4	8357.1	7633.7
12.5°	6977.4	6958.4	7038.6	7242.8	7654.1	8272.5	8966.7	9134.5	8702.8	7830.6
15°	6627.3	6604.0	6655.1	6758.6	7021.1	7597.2	8675.1	9350.3	9042.6	8058.1
17.5°	6550.0	6523.8	6545.7	6599.6	6768.8	7207.8	8234.6	9456.8	9397.0	8311.9
20°	6693.0	6671.1	6674.0	6671.1	6789.2	7137.8	7928.3	9416.0	9706.2	8545.2
22.5°	7038.6	7002.2	7003.6	6926.3	6990.5	7260.3	7848.1	9306.6	9981.9	8749.4
25°	7601.6	7536.0	7549.1	7352.2	7334.7	7534.5	7973.5	9222.0	10256.0	8912.8
27.5°	8371.7	8297.3	8257.9	7964.8	7824.8	7923.9	8228.8	9251.2	10515.7	9054.3
30°	9334.3	9243.9	9163.6	8748.0	8494.2	8457.7	8625.5	9443.7	10821.9	9203.0
32.5°	10514.2	10409.2	10263.3	9712.0	9354.7	9163.6	9138.8	9786.4	11180.7	9392.6
35°	11918.7	11781.6	11574.5	10861.3	10409.2	10018.3	9815.6	10280.8	11672.2	9678.5
37.5°	13365.5	13210.9	13021.3	12172.5	11616.8	11040.7	10641.1	10951.7	12327.1	10066.4
40°	14700.0	14526.5	14350.0	13594.5	12998.0	12303.8	11651.8	11800.6	13127.8	10530.2
42.5°	15487.6	15359.3	15292.2	14883.8	14422.9	13718.5	12909.0	12806.9	14027.7	11064.0
45°	15452.6	15400.1	15607.2	15776.4	15667.0	15276.1	14382.1	13919.8	14930.5	11526.4
47.5°	14627.1	14662.1	15124.5	16075.4	16494.0	16698.2	16059.3	15012.2	15715.1	11872.0
50°	12381.1	12410.2	13480.7	15531.4	16706.9	17857.7	17723.5	16078.3	16323.3	12083.5
52.5°	10603.2	10622.1	11081.5	13918.3	16003.9	18441.0	19222.8	17083.2	16768.2	12141.9
55°	7986.6	8052.3	8567.1	10919.7	14175.0	17978.7	20135.8	18118.7	17049.7	12147.7
57.5°	4665.7	4737.1	5373.0	7412.0	11017.4	16367.1	20274.4	19037.6	17240.7	12101.0
60°	2285.4	2316.1	2593.2	3895.6	6793.6	13262.0	19160.1	19482.4	17347.2	12076.2
62.5°	1540.2	1535.8	1547.4	1922.3	3347.2	8520.5	16838.2	18703.6	17290.3	11981.4
65°	1324.3	1308.3	1264.5	1349.1	1734.1	3897.1	13009.7	16378.8	16857.1	11743.7
67.5°	1144.9	1146.4	1147.8	1121.6	1238.3	1798.3	7950.2	12901.7	15302.4	10617.7
70°	948.0	961.1	967.0	967.0	1009.3	1179.9	3393.9	8842.8	12070.4	8325.0
72.5°	863.4	835.7	838.6	824.0	824.0	898.4	1366.6	5012.8	7604.5	4683.2
75°	704.4	721.9	724.9	714.7	681.1	685.5	810.9	2103.1	3253.9	1942.7
77.5°	608.2	608.2	614.0	606.7	580.5	513.4	541.1	815.3	1107.0	796.3
80°	488.6	487.1	511.9	526.5	485.7	379.2	345.7	450.7	491.5	350.0
82.5°	237.7	252.3	351.5	401.1	369.0	274.2	211.5	280.0	262.5	154.6
85°	138.6	131.3	157.5	223.1	211.5	151.7	102.1	145.8	137.1	78.8
87.5°	43.8	40.8	32.1	75.8	61.3	42.3	27.7	42.3	37.9	17.5
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°
7069.3	0°	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3	7069.3
7092.6	2.5°	6989.0	6816.9	6646.3	6490.2	6395.4	6334.2	6272.9	6204.4	6178.1	6138.8
7111.6	5°	6919.0	6586.5	6290.4	6035.2	5803.3	5621.0	5437.2	5288.5	5221.4	5266.6
7171.4	7.5°	6878.2	6396.9	5940.4	5472.2	5021.6	4661.3	4347.7	4127.5	4028.3	4053.1
7229.7	10°	6841.7	6182.5	5486.8	4747.4	4099.8	3653.5	3332.6	3164.9	3102.2	3115.3
7308.5	12.5°	6808.2	5941.9	4939.9	3967.1	3278.7	2984.1	2892.2	2893.6	2905.3	2914.0
7433.9	15°	6802.4	5651.6	4328.8	3284.5	2835.3	2816.3	2915.5	2978.2	3011.8	3022.0
7538.9	17.5°	6793.6	5304.5	3706.0	2819.2	2727.4	2855.7	2947.6	2988.4	3014.7	3016.1
7641.0	20°	6758.6	4864.0	3131.4	2597.6	2704.0	2814.9	2871.8	2903.8	2925.7	2933.0
7718.3	22.5°	6650.7	4374.0	2683.6	2498.4	2610.7	2699.7	2766.7	2803.2	2816.3	2825.1
7732.9	25°	6456.7	3825.6	2374.4	2403.6	2480.9	2593.2	2647.1	2654.4	2650.1	2663.2
7696.4	27.5°	6202.9	3237.8	2181.9	2275.2	2374.4	2470.7	2499.8	2495.5	2486.7	2501.3
7633.7	30°	5896.6	2709.9	2059.4	2130.8	2266.5	2354.0	2380.2	2370.0	2352.5	2368.6
7601.6	32.5°	5572.9	2278.1	1958.7	2030.2	2177.5	2263.6	2289.8	2279.6	2266.5	2279.6
7638.1	35°	5271.0	1976.2	1865.4	1963.1	2107.5	2192.1	2225.6	2227.1	2227.1	2243.1
7734.3	37.5°	4993.8	1799.8	1788.1	1920.8	2059.4	2135.2	2183.3	2186.3	2123.5	2127.9
7897.7	40°	4737.1	1725.4	1753.1	1893.1	2012.7	2085.6	2088.5	1925.2	1810.0	1807.1
8084.4	42.5°	4527.1	1710.8	1763.3	1890.2	1979.2	1982.1	1776.4	1649.5	1617.5	1618.9
8256.5	45°	4330.2	1706.4	1786.6	1890.2	1929.6	1712.3	1573.7	1540.2	1543.1	1554.7
8333.8	47.5°	4110.0	1688.9	1791.0	1863.9	1786.6	1522.7	1481.8	1467.2	1461.4	1464.3
8316.3	50°	3869.4	1626.2	1735.6	1811.4	1541.6	1441.0	1389.9	1385.6	1392.9	1397.2
8218.5	52.5°	3615.6	1524.1	1640.8	1716.6	1429.3	1369.5	1312.6	1322.8	1354.9	1365.1
8116.5	55°	3449.3	1404.5	1515.4	1527.0	1350.6	1302.4	1254.3	1277.6	1337.4	1356.4
8055.2	57.5°	3405.6	1277.6	1372.4	1359.3	1249.9	1244.1	1214.9	1235.3	1311.2	1338.9
8052.3	60°	3392.4	1163.9	1232.4	1222.2	1152.2	1179.9	1172.6	1182.8	1209.1	1217.8
8023.1	62.5°	3290.3	1073.4	1107.0	1092.4	1064.7	1112.8	1130.3	1108.4	1128.9	1139.1
7823.3	65°	3030.7	1000.5	984.5	974.3	985.9	1029.7	1064.7	1020.9	1039.9	1069.1
7053.2	67.5°	2601.9	901.3	857.6	869.3	905.7	929.1	974.3	924.7	940.7	990.3
5680.8	70°	2104.6	775.9	736.5	770.1	805.1	853.2	860.5	827.0	864.9	920.3
3466.8	72.5°	1489.1	649.0	621.3	689.9	701.5	764.2	748.2	732.2	784.7	803.6
1713.7	75°	1032.6	523.6	507.6	560.1	602.4	656.3	644.6	663.6	774.5	783.2
856.1	77.5°	653.4	406.9	396.7	430.3	488.6	548.4	567.3	783.2	1322.8	1375.3
444.8	80°	379.2	303.4	291.7	317.9	369.0	424.4	546.9	961.1	872.2	862.0
199.8	82.5°	211.5	208.6	194.0	201.3	246.5	306.3	773.0	676.7	549.8	567.3
80.2	85°	99.2	122.5	105.0	100.6	138.6	358.8	516.3	386.5	256.7	250.9
17.5	87.5°	26.3	23.3	23.3	26.3	58.3	309.2	205.6	164.8	97.7	94.8
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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