

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: McGRAW-EDISON

Report Number: P953317

Luminaire Tested: **GALN-SB6D-930-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953317
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: MCGRAW-EDISON
Catalog Number: GALN-SB6D-930-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43658 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

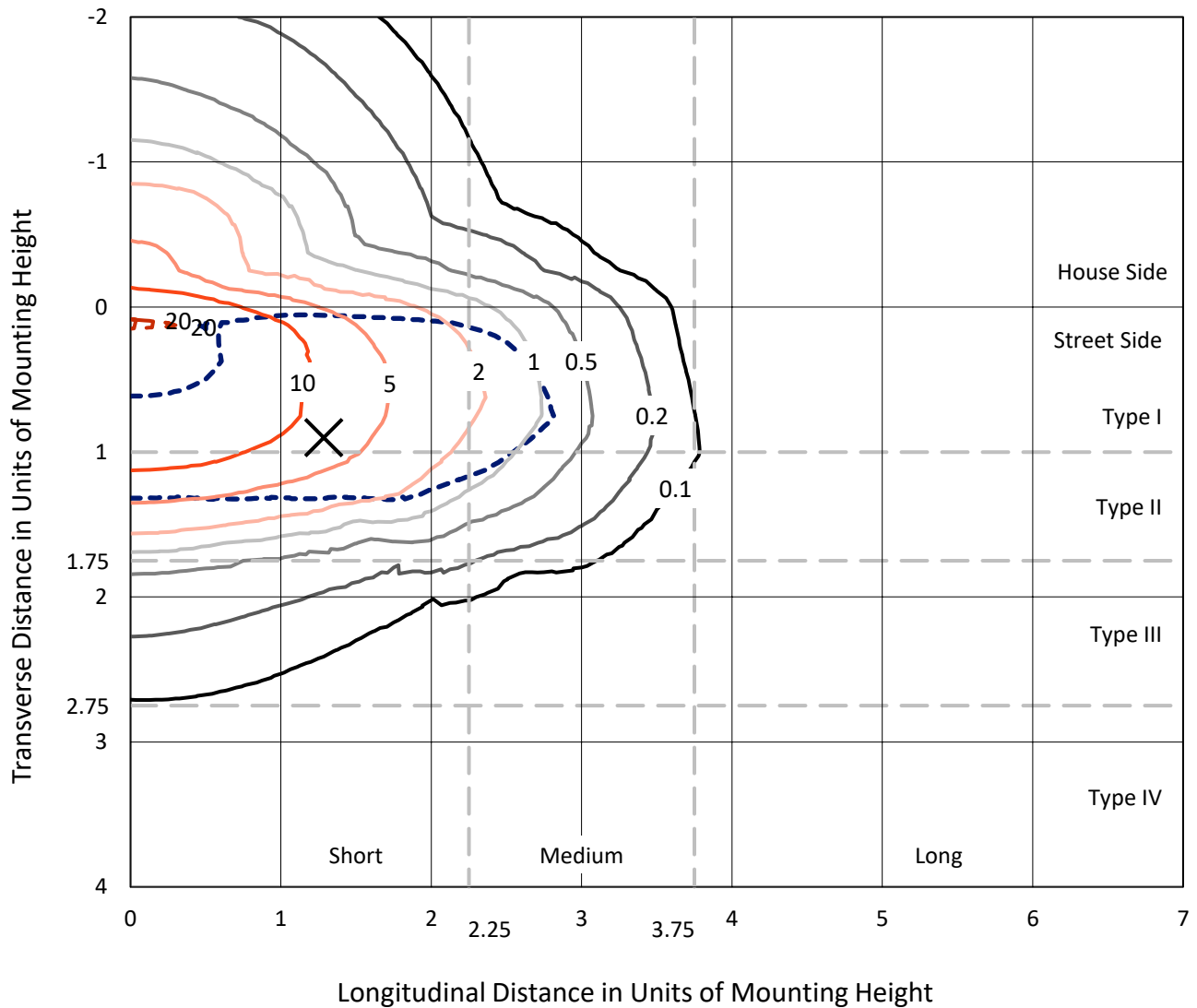
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

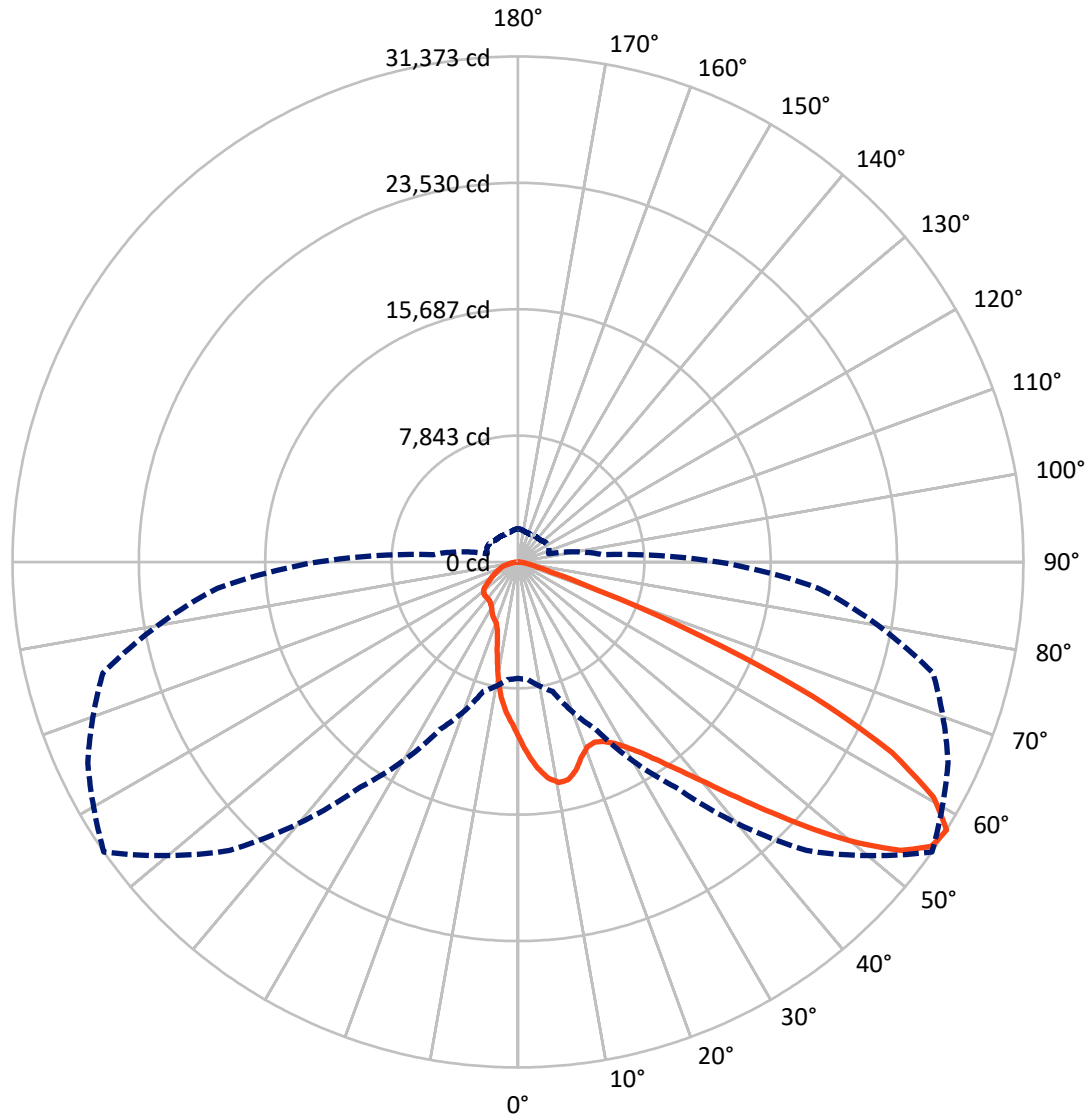
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.2 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
House Side	Lumens	7899.7	0.0	7899.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	35758.3	0.0	35758.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	43658.0	0.0	43658.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1015.1	2.3
10°-20°	2562.2	5.9
20°-30°	4088.5	9.4
30°-40°	6473.1	14.8
40°-50°	9907.7	22.7
50°-60°	10612.1	24.3
60°-70°	6676.1	15.3
70°-80°	1974.3	4.5
80°-90°	349.1	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°	43658.0	100.0
0°-180°	43658.0	100.0

Coefficient of Utilization



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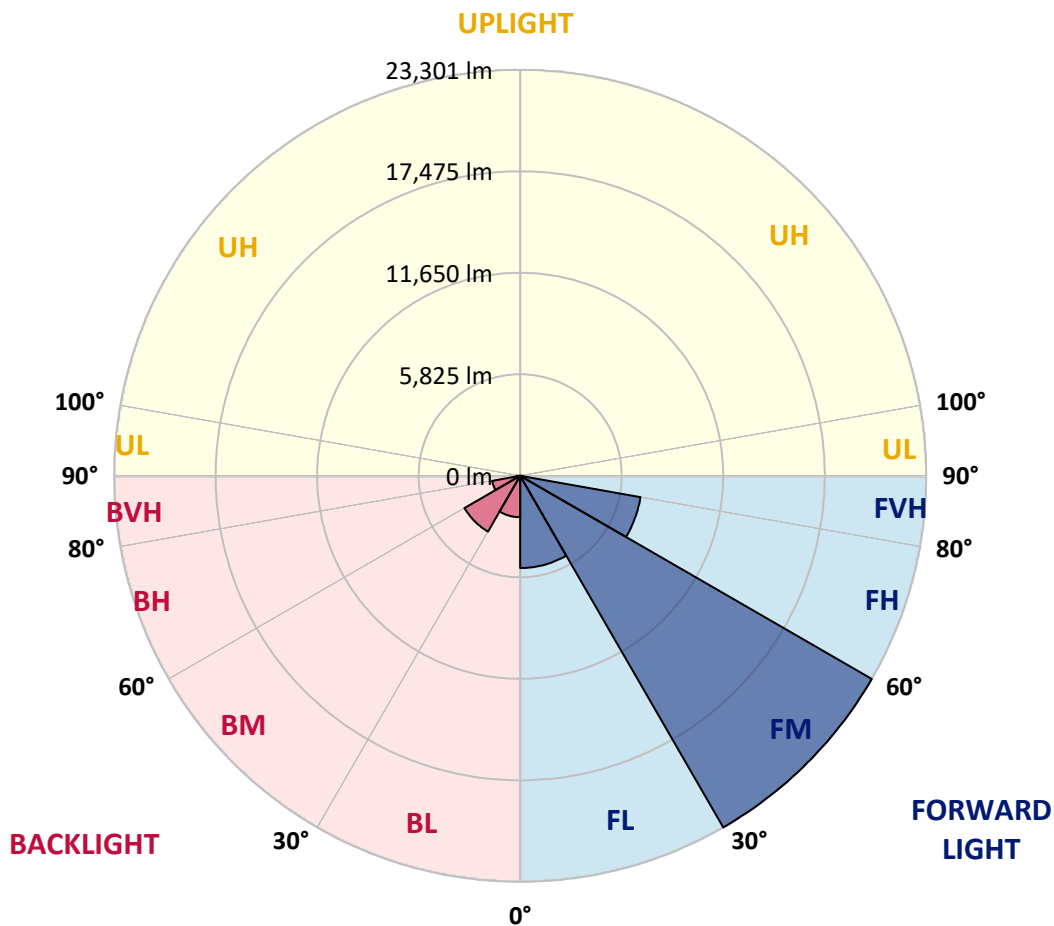
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5291.3	12.1			
FM (30°-60°)	23300.6	53.4			
FH (60°-80°)	7018.9	16.1			G3/7500
FVH (80°-90°)	147.5	0.3			G2/225
BL (0°-30°)	2374.4	5.4	B3/2500		
BM (30°-60°)	3692.2	8.5	B3/5000		
BH (60°-80°)	1631.5	3.7	B3/2500		G3/2500
BVH (80°-90°)	201.6	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°	10939.3	10939.3	10939.3	10939.3	10939.3	10939.3	10939.3	10939.3	10939.3	10939.3
2.5°	12550.7	12541.7	12591.3	12422.1	12307.0	12151.2	11945.9	11684.1	11401.9	11104.0
5°	13681.4	13602.4	13654.3	13528.0	13401.6	13166.9	12862.2	12435.6	11914.3	11320.7
7.5°	13503.1	13449.0	13582.1	13695.0	13789.8	13760.4	13537.0	13090.1	12417.6	11555.4
10°	12065.5	12004.5	12191.9	12582.3	13155.6	13654.3	13925.2	13647.6	12932.1	11812.7
12.5°	10797.1	10767.8	10891.9	11207.9	11844.3	12801.2	13875.5	14135.1	13467.0	12117.4
15°	10255.4	10219.3	10298.3	10458.6	10864.8	11756.3	13424.1	14469.1	13992.9	12469.5
17.5°	10135.8	10095.2	10129.0	10212.6	10474.4	11153.7	12742.6	14633.9	14541.3	12862.2
20°	10357.0	10323.1	10327.7	10323.1	10505.9	11045.4	12268.6	14570.7	15019.8	13223.3
22.5°	10891.9	10835.5	10837.7	10718.1	10817.4	11234.9	12144.5	14401.4	15446.3	13539.2
25°	11763.1	11661.5	11681.8	11377.1	11350.0	11659.2	12338.6	14270.5	15870.6	13792.0
27.5°	12954.7	12839.6	12778.7	12325.0	12108.4	12261.8	12733.5	14315.6	16272.4	14010.9
30°	14444.3	14304.3	14180.2	13537.0	13144.3	13087.9	13347.4	14613.5	16746.3	14241.1
32.5°	16270.1	16107.6	15881.9	15028.8	14475.9	14180.2	14141.8	15143.9	17301.5	14534.5
35°	18443.5	18231.4	17910.9	16807.3	16107.6	15502.8	15189.1	15909.0	18062.1	14976.9
37.5°	20682.4	20443.2	20149.8	18836.2	17976.3	17084.9	16466.5	16947.2	19075.5	15577.2
40°	22747.5	22478.9	22205.8	21036.7	20113.6	19039.4	18030.5	18260.7	20314.5	16294.9
42.5°	23966.2	23767.6	23663.8	23031.8	22318.7	21228.6	19976.0	19818.0	21707.0	17121.0
45°	23912.0	23830.8	24151.3	24413.1	24243.8	23639.0	22255.5	21540.0	23104.1	17836.4
47.5°	22634.6	22688.8	23404.2	24875.7	25523.5	25839.4	24850.9	23230.4	24318.3	18371.3
50°	19159.0	19204.1	20860.7	24033.9	25853.0	27633.7	27426.1	24880.3	25259.4	18698.6
52.5°	16407.8	16437.1	17148.1	21537.8	24765.2	28536.5	29746.2	26435.3	25947.8	18788.8
55°	12358.9	12460.4	13257.1	16897.5	21935.0	27821.0	31159.0	28037.7	26383.4	18797.9
57.5°	7219.9	7330.5	8314.5	11469.7	17048.8	25327.1	31373.4	29459.5	26679.0	18725.6
60°	3536.6	3584.0	4012.8	6028.2	10512.7	20522.1	29649.1	30147.9	26843.8	18687.3
62.5°	2383.3	2376.5	2394.6	2974.6	5179.6	13184.9	26056.1	28942.7	26755.8	18540.6
65°	2049.3	2024.5	1956.7	2087.6	2683.5	6030.5	20131.7	25345.2	26085.4	18172.7
67.5°	1771.7	1773.9	1776.2	1735.6	1916.1	2782.8	12302.5	19964.7	23679.6	16430.4
70°	1467.0	1487.3	1496.3	1496.3	1561.8	1825.8	5251.8	13683.7	18678.2	12882.5
72.5°	1336.1	1293.2	1297.7	1275.2	1275.2	1390.3	2114.7	7757.0	11767.6	7247.0
75°	1090.1	1117.2	1121.7	1105.9	1054.0	1060.8	1254.8	3254.5	5035.2	3006.2
77.5°	941.1	941.1	950.2	938.9	898.3	794.4	837.3	1261.6	1713.0	1232.3
80°	756.1	753.8	792.2	814.7	751.6	586.8	534.9	697.4	760.6	541.7
82.5°	367.9	390.4	543.9	620.7	571.0	424.3	327.3	433.3	406.2	239.2
85°	214.4	203.1	243.7	345.3	327.3	234.7	158.0	225.7	212.2	121.9
87.5°	67.7	63.2	49.7	117.4	94.8	65.5	42.9	65.5	58.7	27.1
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°
10939.3	0°	10939.3	10939.3	10939.3	10939.3	10939.3	10939.3	10939.3	10939.3	10939.3	10939.3
10975.4	2.5°	10815.1	10548.8	10284.8	10043.3	9896.6	9801.8	9707.0	9600.9	9560.3	9499.4
11004.7	5°	10706.8	10192.2	9734.1	9339.1	8980.3	8698.2	8413.8	8183.6	8079.8	8149.7
11097.3	7.5°	10643.6	9898.8	9192.4	8468.0	7770.6	7213.1	6727.9	6387.1	6233.6	6272.0
11187.5	10°	10587.2	9567.1	8490.5	7346.3	6344.2	5653.6	5157.1	4897.5	4800.5	4820.8
11309.4	12.5°	10535.3	9194.7	7644.2	6138.8	5073.5	4617.7	4475.5	4477.7	4495.8	4509.3
11503.5	15°	10526.3	8745.6	6698.5	5082.6	4387.4	4358.1	4511.6	4608.6	4660.5	4676.3
11666.0	17.5°	10512.7	8208.4	5734.8	4362.6	4220.4	4419.0	4561.2	4624.4	4665.0	4667.3
11824.0	20°	10458.6	7526.8	4845.6	4019.6	4184.3	4355.9	4443.9	4493.5	4527.4	4538.7
11943.6	22.5°	10291.5	6768.5	4152.7	3866.1	4039.9	4177.6	4281.4	4337.8	4358.1	4371.6
11966.2	25°	9991.4	5919.9	3674.3	3719.4	3839.0	4012.8	4096.3	4107.6	4100.8	4121.1
11909.8	27.5°	9598.7	5010.4	3376.3	3520.8	3674.3	3823.2	3868.4	3861.6	3848.0	3870.6
11812.7	30°	9124.7	4193.4	3186.8	3297.4	3507.2	3642.7	3683.3	3667.5	3640.4	3665.2
11763.1	32.5°	8623.7	3525.3	3031.0	3141.6	3369.6	3502.7	3543.4	3527.6	3507.2	3527.6
11819.5	35°	8156.5	3058.1	2886.6	3037.8	3261.2	3392.1	3444.1	3446.3	3446.3	3471.1
11968.4	37.5°	7727.7	2785.0	2767.0	2972.4	3186.8	3304.1	3378.6	3383.1	3286.1	3292.8
12221.2	40°	7330.5	2669.9	2712.8	2929.5	3114.5	3227.4	3231.9	2979.1	2800.8	2796.3
12510.1	42.5°	7005.5	2647.4	2728.6	2925.0	3062.6	3067.2	2748.9	2552.6	2502.9	2505.2
12776.4	45°	6700.8	2640.6	2764.7	2925.0	2985.9	2649.6	2435.2	2383.3	2387.8	2405.9
12896.0	47.5°	6360.0	2613.5	2771.5	2884.3	2764.7	2356.2	2293.0	2270.5	2261.4	2265.9
12868.9	50°	5987.6	2516.5	2685.7	2803.1	2385.6	2229.8	2150.8	2144.1	2155.4	2162.1
12717.7	52.5°	5594.9	2358.5	2539.0	2656.4	2211.8	2119.2	2031.2	2047.0	2096.7	2112.5
12559.7	55°	5337.6	2173.4	2344.9	2363.0	2089.9	2015.4	1940.9	1977.1	2069.6	2098.9
12465.0	57.5°	5269.9	1977.1	2123.8	2103.4	1934.2	1925.2	1880.0	1911.6	2029.0	2071.8
12460.4	60°	5249.6	1801.0	1907.1	1891.3	1783.0	1825.8	1814.6	1830.4	1871.0	1884.5
12415.3	62.5°	5091.6	1661.1	1713.0	1690.4	1647.5	1722.0	1749.1	1715.3	1746.9	1762.7
12106.1	65°	4689.9	1548.2	1523.4	1507.6	1525.7	1593.4	1647.5	1579.8	1609.2	1654.3
10914.5	67.5°	4026.3	1394.8	1327.1	1345.1	1401.5	1437.7	1507.6	1430.9	1455.7	1532.4
8790.7	70°	3256.7	1200.7	1139.7	1191.7	1245.8	1320.3	1331.6	1279.7	1338.4	1424.1
5364.7	72.5°	2304.3	1004.3	961.4	1067.5	1085.6	1182.6	1157.8	1133.0	1214.2	1243.6
2651.9	75°	1597.9	810.2	785.4	866.7	932.1	1015.6	997.6	1026.9	1198.4	1212.0
1324.8	77.5°	1011.1	629.7	613.9	665.8	756.1	848.6	877.9	1212.0	2047.0	2128.3
688.4	80°	586.8	469.4	451.4	492.0	571.0	656.8	846.3	1487.3	1349.6	1333.8
309.2	82.5°	327.3	322.7	300.2	311.5	381.4	474.0	1196.2	1047.2	850.9	877.9
124.1	85°	153.5	189.6	162.5	155.7	214.4	555.2	798.9	598.1	397.2	388.2
27.1	87.5°	40.6	36.1	36.1	40.6	90.3	478.5	318.2	255.0	151.2	146.7
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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