

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: P953023

Luminaire Tested: **GALN-SB6C-950-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953023
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-SB6C-950-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32130 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

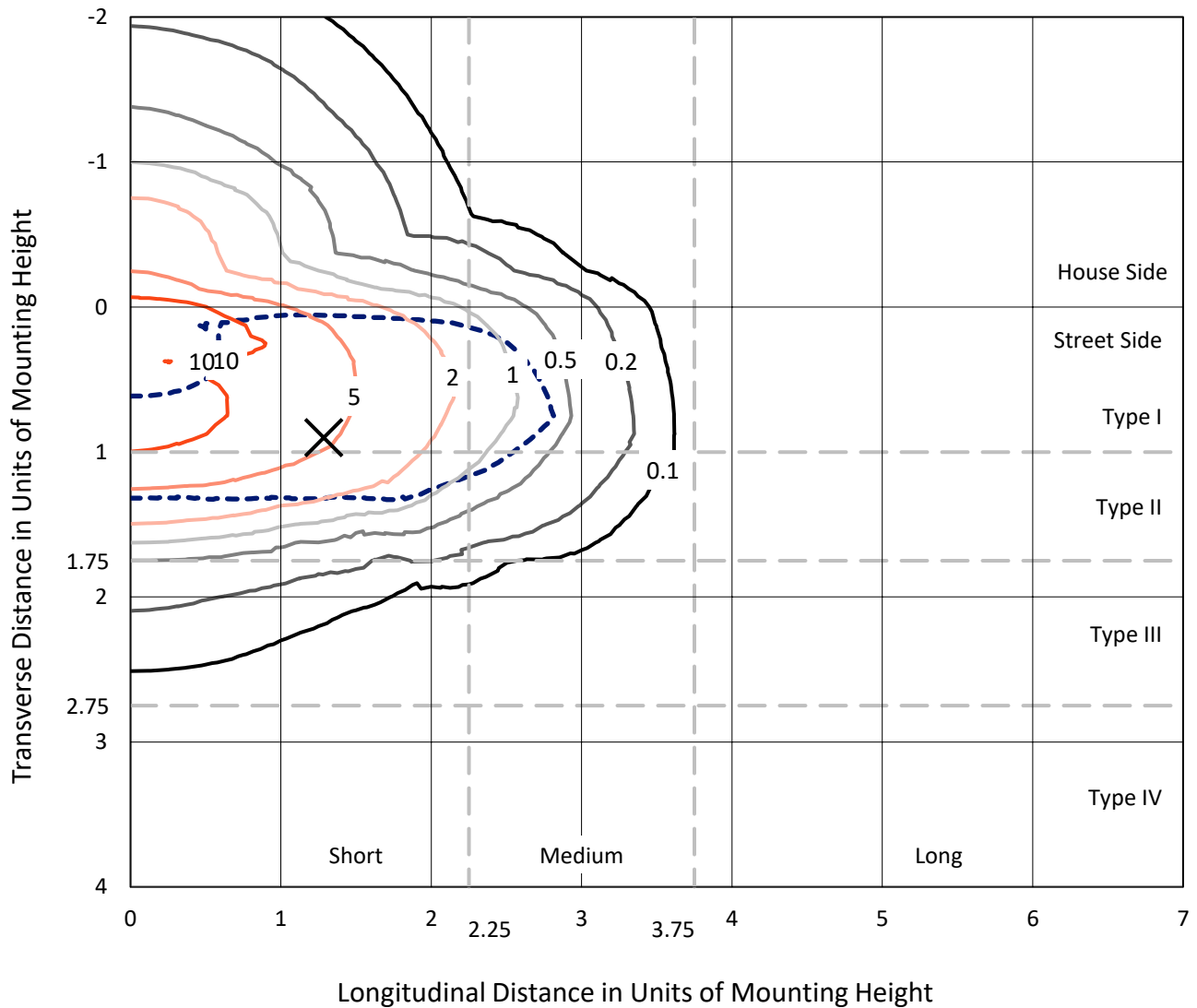
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

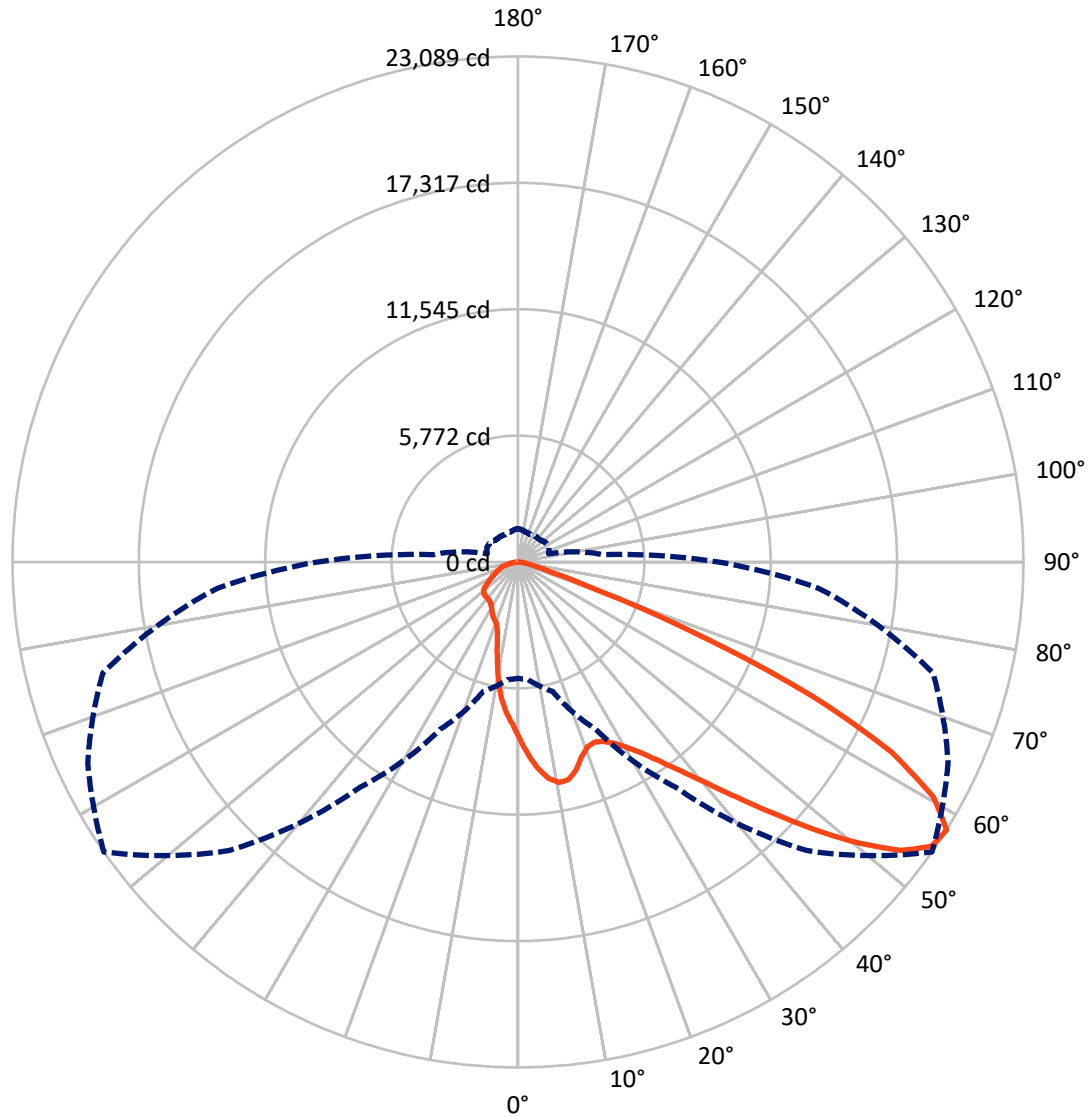
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 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	5813.8	0.0	5813.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	26316.2	0.0	26316.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	32130.0	0.0	32130.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.1	2.3
10°-20°	1885.6	5.9
20°-30°	3008.9	9.4
30°-40°	4763.8	14.8
40°-50°	7291.5	22.7
50°-60°	7809.9	24.3
60°-70°	4913.3	15.3
70°-80°	1452.9	4.5
80°-90°	256.9	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°	32130.0	100.0
0°-180°	32130.0	100.0

Coefficient of Utilization



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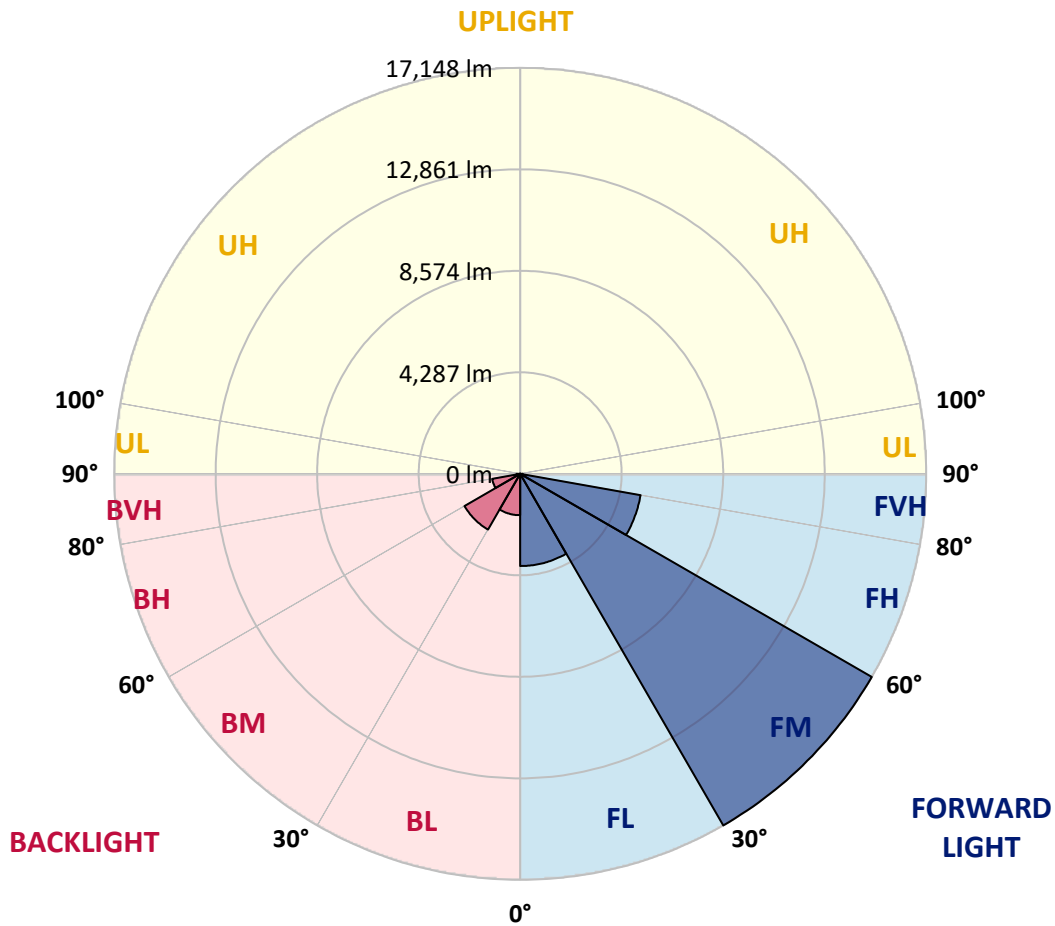
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3894.2	12.1			
FM (30°-60°)	17148.0	53.4			
FH (60°-80°)	5165.5	16.1			G3/7500
FVH (80°-90°)	108.5	0.3			G2/225
BL (0°-30°)	1747.4	5.4	B3/2500		
BM (30°-60°)	2717.3	8.5	B3/5000		
BH (60°-80°)	1200.7	3.7	B3/2500		G3/2500
BVH (80°-90°)	148.4	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°	8050.7	8050.7	8050.7	8050.7	8050.7	8050.7	8050.7	8050.7	8050.7	8050.7
2.5°	9236.7	9230.0	9266.6	9142.0	9057.3	8942.7	8791.5	8598.9	8391.2	8172.0
5°	10068.8	10010.7	10048.9	9955.9	9862.9	9690.1	9465.9	9152.0	8768.3	8331.4
7.5°	9937.6	9897.7	9995.7	10078.8	10148.5	10127.0	9962.5	9633.6	9138.7	8504.2
10°	8879.6	8834.7	8972.6	9259.9	9681.8	10048.9	10248.2	10043.9	9517.4	8693.5
12.5°	7946.1	7924.5	8015.9	8248.4	8716.8	9421.0	10211.7	10402.7	9911.0	8917.8
15°	7547.5	7520.9	7579.0	7696.9	7995.9	8652.0	9879.5	10648.5	10298.0	9176.9
17.5°	7459.4	7429.5	7454.4	7515.9	7708.6	8208.5	9377.9	10769.7	10701.6	9465.9
20°	7622.2	7597.3	7600.6	7597.3	7731.8	8128.8	9029.0	10723.2	11053.8	9731.6
22.5°	8015.9	7974.3	7976.0	7888.0	7961.0	8268.3	8937.7	10598.7	11367.7	9964.2
25°	8657.0	8582.2	8597.2	8373.0	8353.0	8580.6	9080.5	10502.3	11680.0	10150.2
27.5°	9534.0	9449.3	9404.4	9070.6	8911.1	9024.1	9371.2	10535.6	11975.6	10311.3
30°	10630.2	10527.2	10435.9	9962.5	9673.5	9632.0	9823.0	10754.8	12324.4	10480.7
32.5°	11974.0	11854.4	11688.3	11060.4	10653.5	10435.9	10407.7	11145.1	12733.0	10696.7
35°	13573.5	13417.3	13181.5	12369.3	11854.4	11409.2	11178.3	11708.2	13292.8	11022.2
37.5°	15221.2	15045.1	14829.2	13862.5	13229.6	12573.6	12118.5	12472.2	14038.5	11464.0
40°	16740.9	16543.3	16342.3	15481.9	14802.6	14012.0	13269.5	13438.9	14950.4	11992.2
42.5°	17637.9	17491.7	17415.3	16950.2	16425.4	15623.1	14701.3	14585.0	15975.2	12600.1
45°	17598.0	17538.2	17774.1	17966.7	17842.2	17397.0	16378.9	15852.3	17003.4	13126.7
47.5°	16657.9	16697.8	17224.3	18307.2	18783.9	19016.5	18289.0	17096.4	17897.0	13520.3
50°	14100.0	14133.2	15352.4	17687.7	19026.4	20337.0	20184.1	18310.6	18589.6	13761.2
52.5°	12075.3	12096.9	12620.1	15850.7	18225.9	21001.3	21891.6	19455.0	19096.2	13827.6
55°	9095.5	9170.2	9756.6	12435.7	16143.0	20474.8	22931.4	20634.3	19416.8	13834.2
57.5°	5313.5	5394.8	6119.0	8441.1	12547.0	18639.4	23089.2	21680.7	19634.4	13781.1
60°	2602.7	2637.6	2953.2	4436.5	7736.8	15103.2	21820.2	22187.3	19755.6	13752.9
62.5°	1754.0	1749.0	1762.3	2189.2	3811.9	9703.4	19175.9	21300.3	19690.8	13644.9
65°	1508.2	1489.9	1440.1	1536.4	1974.9	4438.1	14815.9	18652.7	19197.5	13374.2
67.5°	1303.9	1305.5	1307.2	1277.3	1410.2	2048.0	9054.0	14693.0	17426.9	12091.9
70°	1079.6	1094.6	1101.2	1101.2	1149.4	1343.7	3865.1	10070.5	13746.2	9480.8
72.5°	983.3	951.7	955.1	938.4	938.4	1023.2	1556.3	5708.8	8660.3	5333.4
75°	802.2	822.2	825.5	813.9	775.7	780.7	923.5	2395.1	3705.6	2212.4
77.5°	692.6	692.6	699.3	691.0	661.1	584.7	616.2	928.5	1260.7	906.9
80°	556.4	554.8	583.0	599.6	553.1	431.9	393.7	513.2	559.7	398.6
82.5°	270.7	287.3	400.3	456.8	420.2	312.3	240.8	318.9	299.0	176.1
85°	157.8	149.5	179.4	254.1	240.8	172.7	116.3	166.1	156.1	89.7
87.5°	49.8	46.5	36.5	86.4	69.8	48.2	31.6	48.2	43.2	19.9
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°
8050.7	0°	8050.7	8050.7	8050.7	8050.7	8050.7	8050.7	8050.7	8050.7	8050.7	8050.7
8077.3	2.5°	7959.4	7763.4	7569.1	7391.3	7283.4	7213.6	7143.8	7065.8	7035.9	6991.0
8098.9	5°	7879.7	7501.0	7163.8	6873.1	6609.0	6401.4	6192.1	6022.7	5946.3	5997.8
8167.0	7.5°	7833.1	7285.0	6765.1	6232.0	5718.7	5308.5	4951.4	4700.6	4587.6	4615.8
8233.4	10°	7791.6	7040.9	6248.6	5406.5	4669.0	4160.7	3795.3	3604.3	3532.9	3547.8
8323.1	12.5°	7753.4	6766.8	5625.7	4517.8	3733.9	3398.4	3293.7	3295.4	3308.7	3318.6
8466.0	15°	7746.8	6436.3	4929.8	3740.5	3228.9	3207.3	3320.3	3391.7	3429.9	3441.5
8585.6	17.5°	7736.8	6041.0	4220.5	3210.7	3106.0	3252.2	3356.8	3403.3	3433.2	3434.9
8701.8	20°	7696.9	5539.3	3566.1	2958.2	3079.4	3205.7	3270.5	3307.0	3331.9	3340.2
8789.9	22.5°	7574.0	4981.3	3056.2	2845.2	2973.1	3074.5	3150.9	3192.4	3207.3	3217.3
8806.5	25°	7353.1	4356.7	2704.1	2737.3	2825.3	2953.2	3014.7	3023.0	3018.0	3032.9
8765.0	27.5°	7064.1	3687.4	2484.8	2591.1	2704.1	2813.7	2846.9	2841.9	2832.0	2848.6
8693.5	30°	6715.3	3086.1	2345.3	2426.7	2581.2	2680.8	2710.7	2699.1	2679.1	2697.4
8657.0	32.5°	6346.6	2594.4	2230.7	2312.1	2479.8	2577.8	2607.7	2596.1	2581.2	2596.1
8698.5	35°	6002.8	2250.6	2124.4	2235.7	2400.1	2496.4	2534.6	2536.3	2536.3	2554.6
8808.1	37.5°	5687.2	2049.6	2036.4	2187.5	2345.3	2431.7	2486.5	2489.8	2418.4	2423.4
8994.2	40°	5394.8	1964.9	1996.5	2155.9	2292.1	2375.2	2378.5	2192.5	2061.3	2057.9
9206.8	42.5°	5155.7	1948.3	2008.1	2152.6	2253.9	2257.3	2023.1	1878.6	1842.0	1843.7
9402.8	45°	4931.4	1943.3	2034.7	2152.6	2197.5	1950.0	1792.2	1754.0	1757.3	1770.6
9490.8	47.5°	4680.6	1923.4	2039.7	2122.7	2034.7	1734.1	1687.5	1670.9	1664.3	1667.6
9470.9	50°	4406.6	1852.0	1976.6	2062.9	1755.6	1641.0	1582.9	1577.9	1586.2	1591.2
9359.6	52.5°	4117.6	1735.7	1868.6	1955.0	1627.8	1559.7	1494.9	1506.5	1543.0	1554.7
9243.3	55°	3928.2	1599.5	1725.8	1739.0	1538.1	1483.2	1428.4	1455.0	1523.1	1544.7
9173.6	57.5°	3878.4	1455.0	1563.0	1548.0	1423.5	1416.8	1383.6	1406.8	1493.2	1524.8
9170.2	60°	3863.4	1325.5	1403.5	1391.9	1312.2	1343.7	1335.4	1347.0	1376.9	1386.9
9137.0	62.5°	3747.2	1222.5	1260.7	1244.1	1212.5	1267.3	1287.3	1262.3	1285.6	1297.2
8909.5	65°	3451.5	1139.4	1121.2	1109.5	1122.8	1172.6	1212.5	1162.7	1184.3	1217.5
8032.5	67.5°	2963.2	1026.5	976.7	989.9	1031.5	1058.0	1109.5	1053.1	1071.3	1127.8
6469.5	70°	2396.8	883.6	838.8	877.0	916.9	971.7	980.0	941.8	985.0	1048.1
3948.1	72.5°	1695.9	739.1	707.6	785.6	798.9	870.3	852.1	833.8	893.6	915.2
1951.6	75°	1176.0	596.3	578.0	637.8	686.0	747.4	734.1	755.7	882.0	891.9
975.0	77.5°	744.1	463.4	451.8	490.0	556.4	624.5	646.1	891.9	1506.5	1566.3
506.6	80°	431.9	345.5	332.2	362.1	420.2	483.3	622.9	1094.6	993.3	981.6
227.6	82.5°	240.8	237.5	220.9	229.2	280.7	348.8	880.3	770.7	626.2	646.1
91.4	85°	112.9	139.5	119.6	114.6	157.8	408.6	588.0	440.2	292.3	285.7
19.9	87.5°	29.9	26.6	26.6	29.9	66.4	352.1	234.2	187.7	111.3	108.0
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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