

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: P942617

Luminaire Tested: **GALN-SB6C-950-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
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-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31614 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

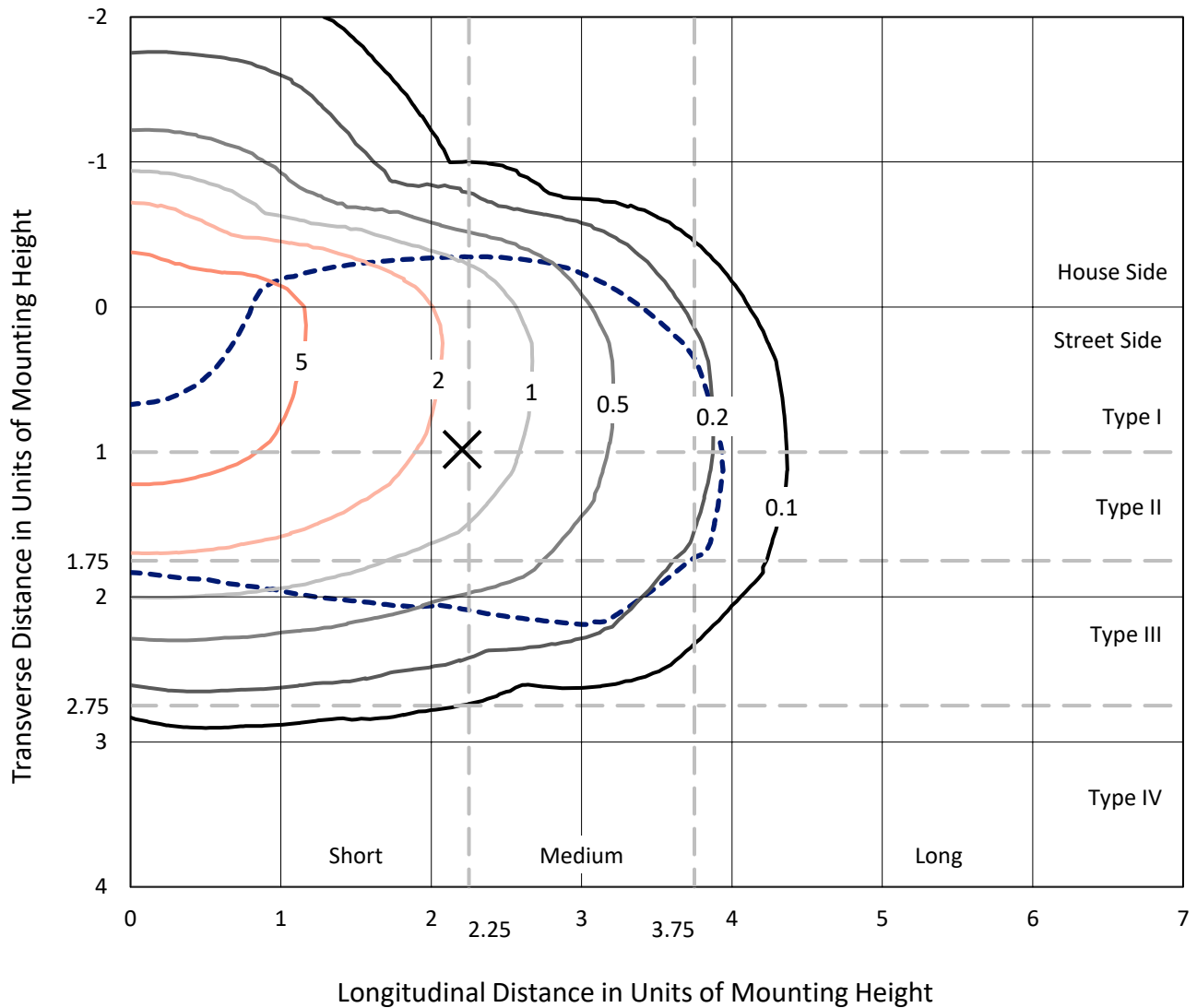
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

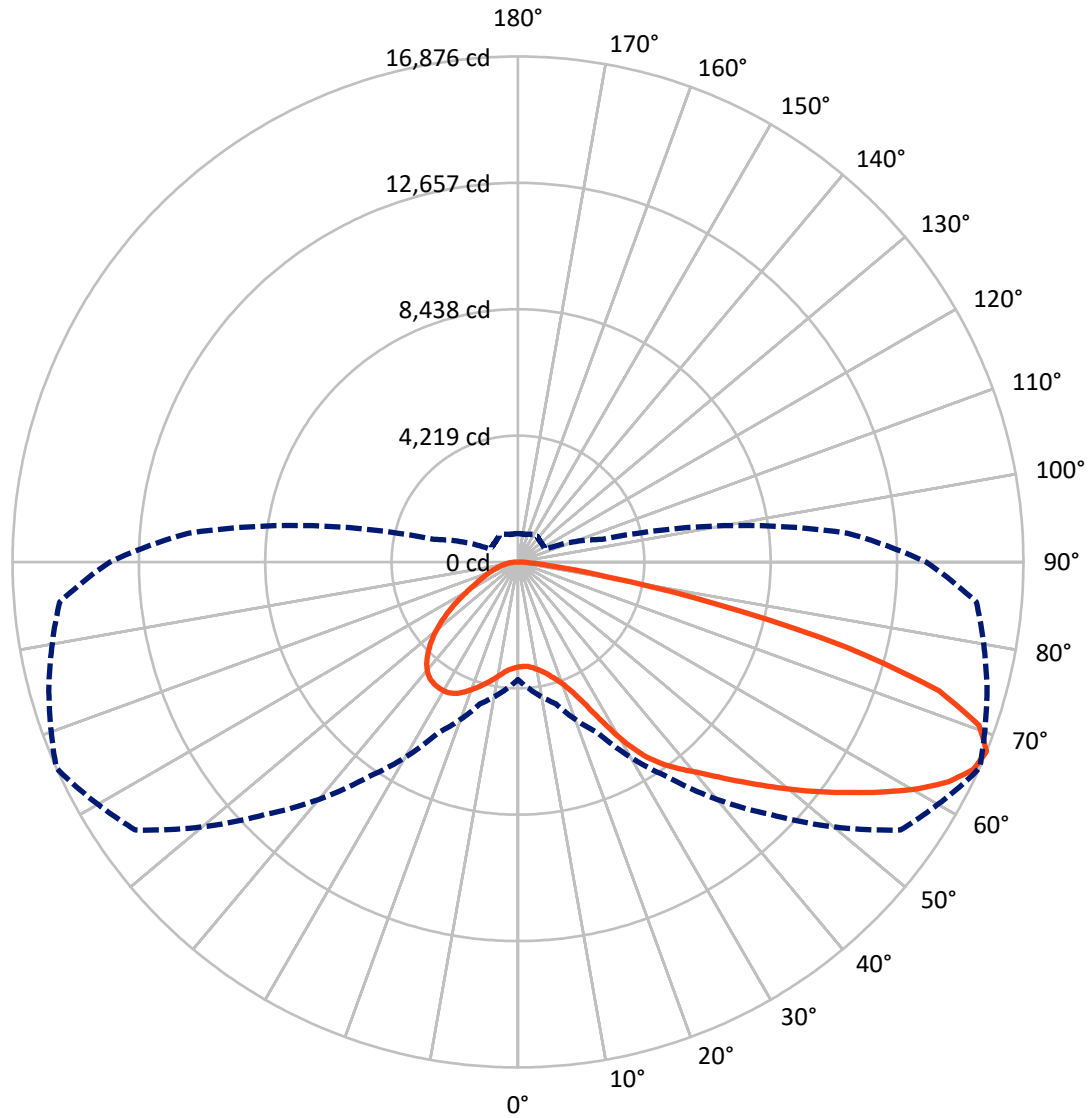
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7860.7	0.0	7860.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	23753.3	0.0	23753.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	31614.0	0.0	31614.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.6	1.1
10°-20°	1148.6	3.6
20°-30°	2213.8	7.0
30°-40°	3881.7	12.3
40°-50°	5770.7	18.3
50°-60°	7315.0	23.1
60°-70°	7157.5	22.6
70°-80°	3414.2	10.8
80°-90°	364.9	1.2
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°	31614.0	100.0
0°-180°	31614.0	100.0

Coefficient of Utilization



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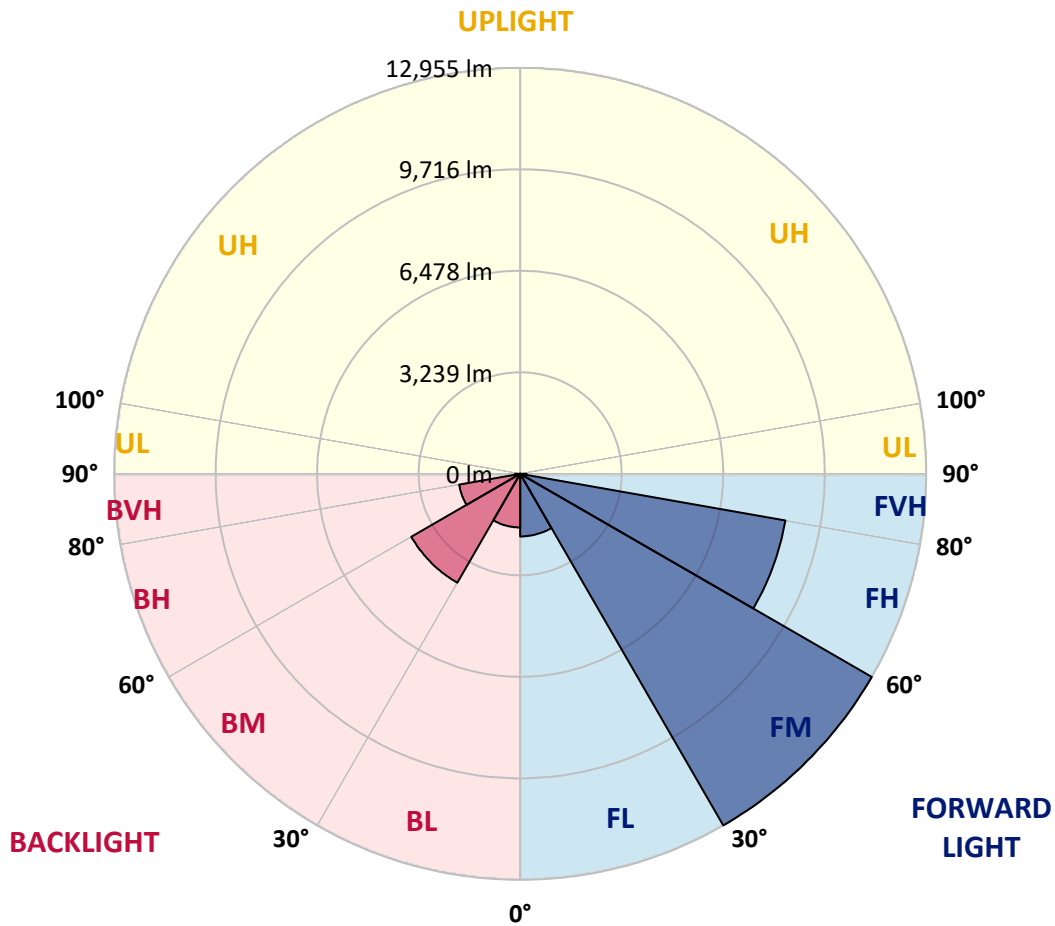
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1997.7	6.3			
FM (30°-60°)	12955.1	41.0			
FH (60°-80°)	8593.6	27.2			G4/12000
FVH (80°-90°)	206.9	0.7			G2/225
BL (0°-30°)	1712.4	5.4	B3/2500		
BM (30°-60°)	4012.2	12.7	B3/5000		
BH (60°-80°)	1978.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	158.0	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3506.4	3506.4	3506.4	3506.4	3506.4	3506.4	3506.4	3506.4	3506.4	3506.4
2.5°	3469.9	3489.8	3484.8	3476.5	3474.9	3478.2	3483.2	3488.1	3486.5	3494.8
5°	3459.9	3479.8	3478.2	3478.2	3484.8	3498.1	3506.4	3514.7	3506.4	3516.4
7.5°	3466.5	3481.5	3488.1	3494.8	3511.4	3536.3	3556.2	3574.5	3564.5	3576.2
10°	3551.3	3562.9	3569.5	3569.5	3581.2	3609.4	3629.3	3662.5	3654.2	3672.5
12.5°	3705.7	3717.4	3717.4	3710.7	3719.0	3737.3	3743.9	3780.5	3765.5	3795.4
15°	3895.1	3918.3	3900.1	3888.4	3891.8	3910.0	3908.4	3936.6	3921.7	3946.6
17.5°	4104.4	4134.3	4104.4	4102.7	4096.1	4116.0	4117.7	4142.6	4116.0	4134.3
20°	4351.9	4393.4	4368.5	4376.8	4361.8	4370.1	4378.4	4415.0	4373.5	4386.8
22.5°	4700.7	4750.5	4723.9	4755.5	4745.5	4738.9	4737.2	4802.0	4737.2	4742.2
25°	5209.0	5268.8	5222.2	5265.4	5265.4	5287.0	5311.9	5395.0	5287.0	5255.5
27.5°	5959.7	6019.5	5928.2	5954.8	5946.4	5999.6	5973.0	6179.0	6062.7	6011.2
30°	6863.3	6969.6	6796.9	6790.2	6781.9	6866.7	6904.9	7041.1	6923.1	6871.6
32.5°	7840.0	7951.3	7745.3	7685.5	7654.0	7705.5	7673.9	7783.5	7702.1	7622.4
35°	8873.2	8982.8	8786.8	8670.5	8544.3	8436.3	8323.4	8351.6	8275.2	8153.9
37.5°	9849.8	10050.8	9843.2	9718.6	9486.1	9275.1	8959.5	8828.3	8756.9	8645.6
40°	10844.8	10959.4	10801.6	10695.3	10442.8	10112.3	9607.3	9329.9	9233.6	9125.6
42.5°	11577.3	11686.9	11602.2	11529.1	11331.5	10947.8	10295.0	9947.8	9808.3	9687.1
45°	12158.7	12240.0	12186.9	12213.5	12128.8	11756.7	11007.6	10610.6	10466.1	10318.2
47.5°	12392.9	12479.2	12563.9	12721.7	12866.3	12592.2	11773.3	11328.1	11175.3	11024.2
50°	12366.3	12454.3	12700.1	13035.7	13484.1	13392.8	12580.6	12092.2	11951.0	11778.3
52.5°	12153.7	12253.3	12568.9	13127.0	13841.3	13992.4	13402.8	12881.2	12748.3	12542.4
55°	11595.6	11655.4	12128.8	12919.4	13926.0	14411.0	14208.4	13721.7	13588.8	13301.4
57.5°	10560.8	10647.1	11336.5	12359.6	13713.4	14695.0	14915.9	14605.3	14477.4	14063.8
60°	9210.3	9348.2	10137.2	11419.5	13171.9	14693.4	15558.8	15474.0	15367.7	14814.6
62.5°	7682.2	7841.7	8600.8	10090.7	12225.1	14276.5	15960.7	16201.6	16146.8	15507.3
65°	5899.9	6009.6	6765.3	8371.5	10751.8	13381.2	16007.2	16698.2	16708.2	16033.8
67.5°	3928.3	4243.9	4900.0	6282.0	8778.5	11917.8	15598.6	16779.6	16875.9	16214.9
70°	1916.8	2332.1	2974.9	4082.8	6282.0	9673.8	14530.6	16111.9	16326.2	15686.7
72.5°	795.6	930.2	1280.6	2014.8	3606.1	6527.8	12384.6	14301.4	14698.4	13899.4
75°	536.5	581.4	732.5	1033.2	1642.7	3219.1	8931.3	10663.7	11303.2	10497.6
77.5°	413.6	441.8	533.2	722.5	976.7	1217.5	4780.4	6426.5	6757.0	6255.4
80°	325.6	347.2	398.6	526.5	692.6	651.1	1629.5	2911.8	3102.8	2602.8
82.5°	282.4	290.7	285.7	357.1	460.1	380.4	534.8	1074.7	1186.0	860.4
85°	204.3	227.6	237.5	220.9	244.2	192.7	219.3	380.4	418.6	373.7
87.5°	83.1	122.9	151.2	142.8	89.7	54.8	68.1	111.3	127.9	139.5
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3506.4	0°	3506.4	3506.4	3506.4	3506.4	3506.4	3506.4	3506.4	3506.4	3506.4	3506.4
3508.1	2.5°	3509.7	3521.4	3529.7	3539.6	3546.3	3556.2	3576.2	3587.8	3589.5	3597.8
3534.6	5°	3541.3	3557.9	3576.2	3602.7	3632.6	3657.6	3695.8	3722.3	3732.3	3740.6
3599.4	7.5°	3609.4	3632.6	3665.9	3712.4	3755.6	3788.8	3835.3	3866.9	3898.4	3910.0
3702.4	10°	3710.7	3743.9	3792.1	3855.2	3901.7	3944.9	3993.1	4019.7	4051.2	4064.5
3825.3	12.5°	3837.0	3871.8	3935.0	4023.0	4066.2	4096.1	4112.7	4106.0	4112.7	4124.3
3973.2	15°	3981.5	4019.7	4091.1	4185.8	4215.7	4189.1	4152.5	4119.3	4114.3	4117.7
4152.5	17.5°	4152.5	4180.8	4263.8	4343.6	4322.0	4212.3	4132.6	4079.5	4052.9	4044.6
4381.8	20°	4391.7	4391.7	4459.8	4509.7	4365.2	4179.1	4054.5	3968.2	3913.4	3890.1
4694.0	22.5°	4682.4	4655.8	4699.0	4664.1	4356.9	4086.1	3913.4	3763.9	3680.8	3647.6
5130.9	25°	5051.2	5019.6	5008.0	4792.0	4297.1	3938.3	3657.6	3476.5	3403.4	3385.2
5760.4	27.5°	5607.6	5527.9	5376.7	4861.8	4187.4	3705.7	3358.6	3190.8	3149.3	3151.0
6569.3	30°	6348.4	6189.0	5818.5	4873.4	4008.0	3376.9	3053.0	2933.4	2913.4	2921.7
7248.7	32.5°	7034.4	6883.3	6270.3	4820.3	3732.3	3054.6	2778.9	2699.2	2669.3	2679.2
7766.9	35°	7572.6	7531.1	6688.9	4745.5	3393.5	2752.3	2533.1	2465.0	2406.8	2393.5
8255.3	37.5°	8080.9	8064.2	7002.9	4640.9	3057.9	2538.0	2335.4	2245.7	2161.0	2114.5
8795.1	40°	8639.0	8622.3	7208.8	4479.8	2760.6	2352.0	2157.7	2039.7	1935.1	1850.4
9406.3	42.5°	9266.8	9168.8	7306.8	4248.9	2508.1	2194.2	2013.2	1853.7	1715.8	1637.8
10097.3	45°	9952.8	9731.9	7305.2	3954.9	2295.5	2049.7	1858.7	1632.8	1504.9	1431.8
10806.6	47.5°	10680.3	10270.1	7215.5	3629.3	2089.6	1890.2	1619.5	1446.7	1362.0	1317.2
11577.3	50°	11431.1	10773.4	7062.7	3255.6	1878.6	1709.2	1470.0	1352.1	1287.3	1245.8
12341.4	52.5°	12137.1	11230.1	6878.3	2832.0	1664.3	1533.1	1403.6	1312.2	1244.1	1197.6
13082.2	55°	12793.2	11623.8	6617.5	2398.5	1489.9	1415.2	1372.0	1295.6	1217.5	1162.7
13834.6	57.5°	13376.2	11879.6	6167.4	1991.6	1365.4	1333.8	1338.8	1267.4	1177.7	1131.2
14575.4	60°	13861.2	12067.3	5501.3	1614.5	1264.0	1254.1	1287.3	1214.2	1109.6	1056.4
15201.6	62.5°	14151.9	12064.0	4684.1	1322.2	1177.7	1181.0	1219.2	1147.8	1041.5	991.6
15528.9	65°	14127.0	11768.3	3787.1	1131.2	1094.6	1097.9	1147.8	1074.7	985.0	955.1
15364.4	67.5°	13627.0	11047.4	2905.1	1006.6	1003.3	1018.2	1076.3	1024.8	950.1	946.8
14384.4	70°	12273.3	9550.9	2092.9	906.9	908.6	930.2	1006.6	993.3	931.8	938.5
12093.9	72.5°	9841.5	7281.9	1405.2	802.3	803.9	838.8	940.1	968.4	913.6	1001.6
8580.8	75°	6554.4	4541.2	903.6	691.0	692.6	737.5	882.0	920.2	863.7	998.3
4464.8	77.5°	3149.3	2041.4	654.4	581.4	581.4	622.9	762.4	823.9	735.8	775.7
1435.1	80°	1088.0	767.4	514.9	468.4	458.4	486.7	642.8	714.2	634.5	584.7
468.4	82.5°	428.5	398.6	413.6	363.8	330.5	348.8	500.0	589.7	466.7	421.9
264.1	85°	245.8	259.1	292.3	240.8	191.0	214.3	367.1	423.6	352.1	310.6
86.4	87.5°	66.4	91.4	134.5	124.6	86.4	91.4	174.4	234.2	202.6	156.1
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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<u>180°</u>
3506.4
3596.1
3739.0
3911.7
4071.2
4127.6
4129.3
4056.2
3885.1
3642.6
3388.5
3155.9
2950.0
2692.5
2403.5
2116.1
1858.7
1642.7
1428.5
1307.2
1230.8
1177.7
1141.1
1101.3
1033.2
976.7
953.4
951.8
936.8
1014.9
1006.6
710.9
548.1
420.2
317.3
161.1
0.0

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