

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: P952952

Luminaire Tested: **GALN-SB6C-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952952
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-927-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28014 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

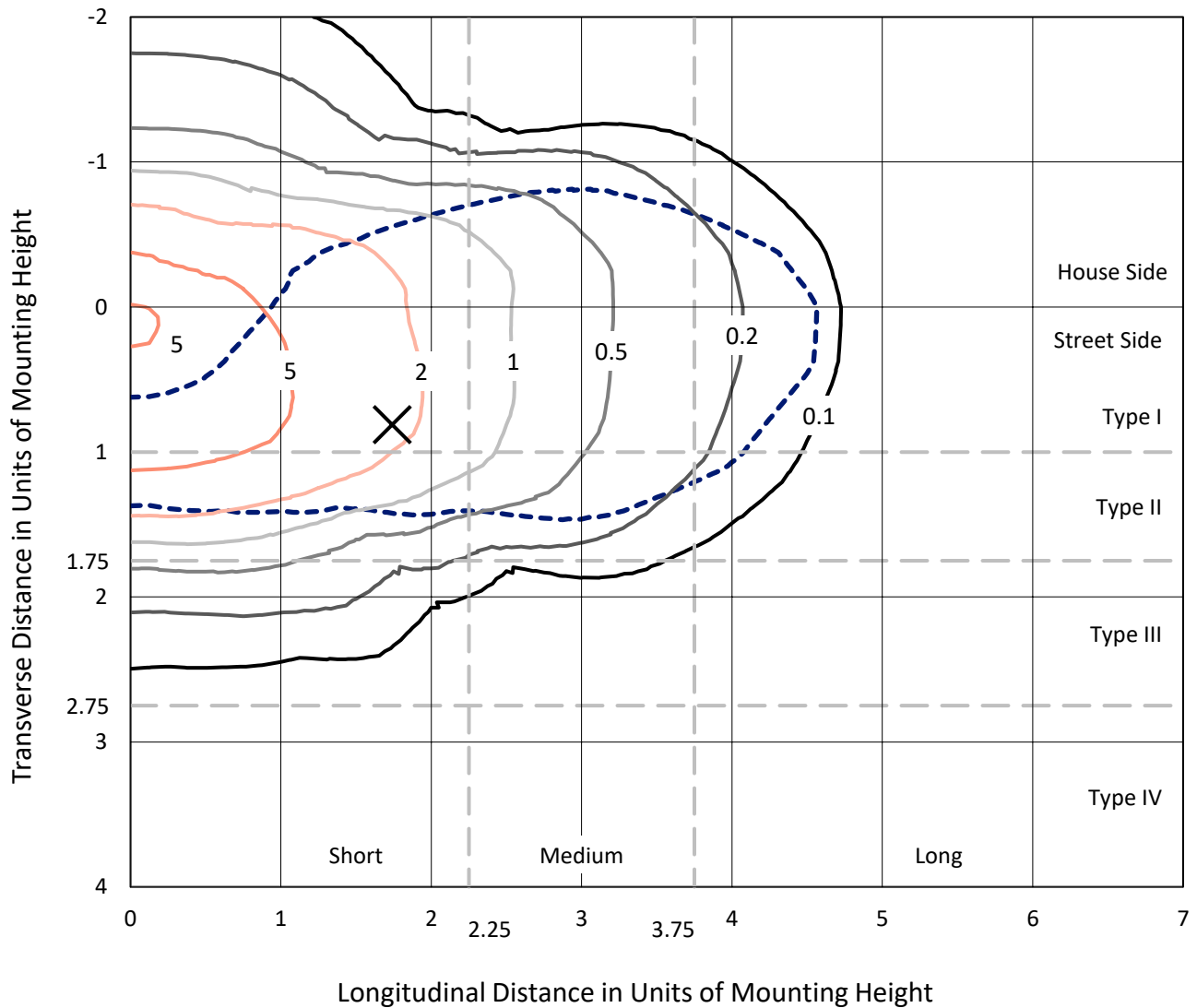
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

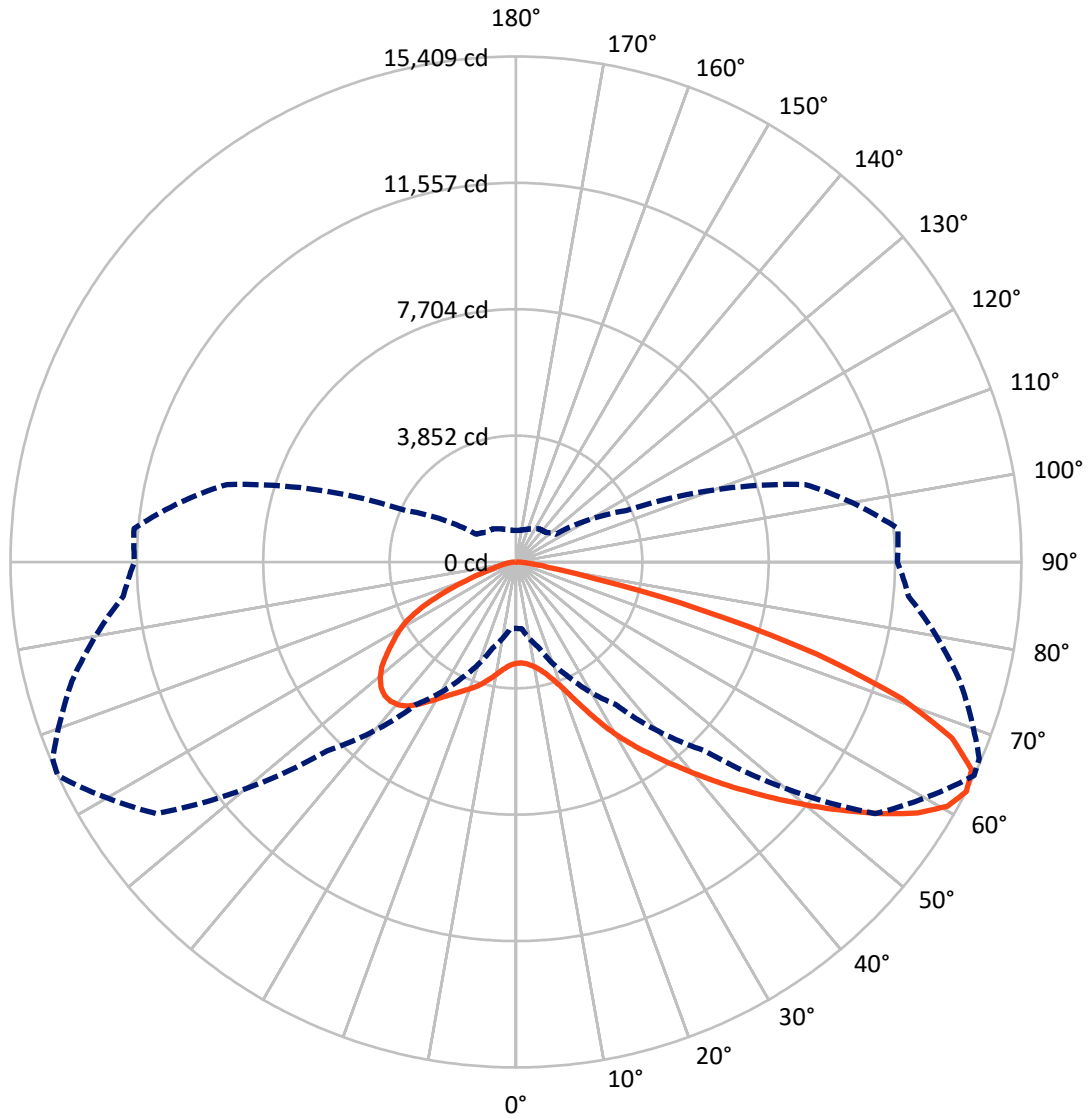
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8840.0	0.0	8840.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	19174.0	0.0	19174.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	28014.0	0.0	28014.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.8	1.1
10°-20°	1043.7	3.7
20°-30°	2116.2	7.6
30°-40°	3662.0	13.1
40°-50°	5541.8	19.8
50°-60°	6497.4	23.2
60°-70°	5447.3	19.4
70°-80°	3007.3	10.7
80°-90°	390.6	1.4
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°	28014.0	100.0
0°-180°	28014.0	100.0



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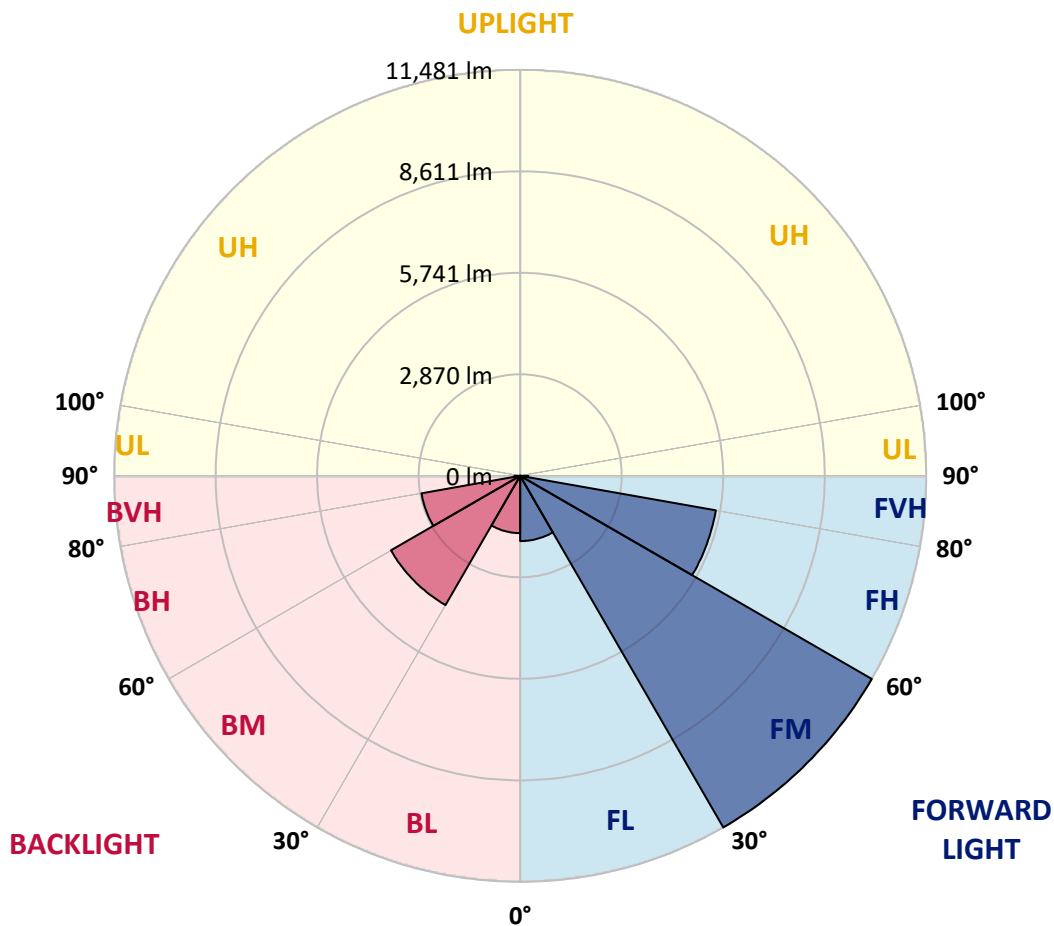
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1846.5	6.6			
FM (30°-60°)	11481.0	41.0			
FH (60°-80°)	5618.8	20.1			G3/7500
FVH (80°-90°)	227.7	0.8			G3/500
BL (0°-30°)	1621.1	5.8	B3/2500		
BM (30°-60°)	4220.1	15.1	B3/5000		
BH (60°-80°)	2835.8	10.1	B4/5000		G4/5000
BVH (80°-90°)	163.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0
2.5°	3066.7	3058.0	3065.2	3065.2	3068.1	3066.7	3076.8	3079.8	3084.1	3092.8
5°	3036.2	3034.7	3047.8	3059.4	3071.0	3081.2	3094.3	3113.2	3116.1	3126.3
7.5°	3026.0	3017.3	3037.6	3052.1	3079.8	3104.5	3139.3	3171.3	3184.4	3188.8
10°	3104.5	3089.9	3108.8	3117.5	3140.8	3165.5	3206.2	3257.1	3271.6	3289.0
12.5°	3238.2	3222.2	3249.8	3262.9	3284.7	3306.5	3334.1	3383.5	3390.8	3422.8
15°	3421.3	3402.4	3419.8	3435.8	3472.2	3492.5	3520.1	3568.1	3568.1	3592.8
17.5°	3669.8	3645.1	3658.2	3664.0	3687.3	3717.8	3764.3	3806.5	3828.3	3819.5
20°	4040.5	4009.9	4009.9	3980.9	3972.1	3996.8	4057.9	4116.0	4139.3	4094.2
22.5°	4597.1	4553.5	4528.8	4430.0	4390.7	4393.6	4454.7	4525.9	4544.8	4464.8
25°	5304.9	5236.6	5203.2	5057.8	4969.2	4892.1	4940.1	5031.7	5057.8	4959.0
27.5°	6012.7	6017.1	5985.1	5810.7	5663.9	5522.9	5498.2	5594.1	5621.8	5509.8
30°	7005.4	6902.2	6841.2	6631.9	6422.6	6224.9	6123.2	6162.4	6169.7	6036.0
32.5°	7861.4	7835.3	7704.5	7521.3	7252.5	6942.9	6772.8	6710.3	6698.7	6508.3
35°	8836.7	8822.1	8684.1	8466.1	8175.4	7745.2	7438.5	7259.7	7245.2	6977.8
37.5°	9827.9	9827.9	9692.7	9454.4	9153.5	8615.8	8149.2	7865.8	7819.3	7470.5
40°	10618.5	10570.6	10595.3	10495.0	10150.5	9579.4	8938.4	8527.1	8464.6	8046.0
42.5°	11067.6	11051.7	11199.9	11311.8	11170.8	10714.5	9807.5	9243.6	9156.4	8679.7
45°	11167.9	11150.5	11415.0	11824.9	12022.5	11835.0	10752.3	9997.9	9891.8	9342.5
47.5°	10936.8	10902.0	11290.0	11936.8	12570.5	12900.4	11775.4	10816.2	10662.1	9987.8
50°	10242.1	10208.7	10795.9	11654.8	12755.0	13624.2	12885.8	11683.9	11448.4	10679.6
52.5°	8732.0	8748.0	9668.0	10848.2	12512.3	14074.7	13842.2	12598.1	12314.7	11387.4
55°	6801.9	6836.8	7967.5	9266.9	11541.4	14006.4	14494.8	13539.9	13257.9	12053.0
57.5°	4870.3	5024.4	6083.9	7370.2	9676.7	12923.6	14637.2	14435.2	14161.9	12779.7
60°	3156.8	3184.4	4274.4	5570.9	7368.7	10999.3	14348.0	15113.9	14900.3	13521.0
62.5°	2023.1	2042.0	2706.2	3896.6	5303.5	8137.6	13374.2	15408.9	15343.5	14010.8
65°	1486.8	1472.3	1818.2	2575.4	3572.5	5018.6	11483.3	15266.5	15395.9	14317.4
67.5°	1241.2	1220.9	1390.9	1783.3	2632.1	2850.1	8496.6	14340.7	14814.5	14282.6
70°	1130.7	1113.3	1216.5	1324.0	2053.7	1908.3	4283.2	12467.3	13196.9	13885.8
72.5°	957.8	927.3	1068.2	1175.8	1597.3	1463.6	1770.2	9576.5	10465.9	12614.1
75°	742.7	722.3	843.0	1034.8	1200.5	1142.4	1119.1	5815.1	6785.9	9755.2
77.5°	588.6	561.0	671.5	806.6	1079.9	861.9	815.4	2504.2	3466.4	6227.8
80°	443.3	418.6	510.1	638.0	829.9	649.7	527.6	1021.7	1306.6	3155.3
82.5°	315.4	293.6	356.1	468.0	558.1	582.8	324.1	572.6	643.9	1216.5
85°	202.0	188.9	238.4	293.6	354.6	375.0	197.7	299.4	328.5	501.4
87.5°	110.5	90.1	127.9	136.6	164.2	149.7	94.5	109.0	117.7	181.7
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3087.0	0°	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0	3087.0
3092.8	2.5°	3098.6	3103.0	3117.5	3121.9	3132.1	3145.2	3153.9	3162.6	3162.6	3171.3
3139.3	5°	3140.8	3151.0	3181.5	3197.5	3223.6	3249.8	3265.8	3284.7	3296.3	3302.1
3213.5	7.5°	3222.2	3238.2	3281.8	3309.4	3354.4	3390.8	3415.5	3441.7	3447.5	3463.5
3316.7	10°	3332.6	3351.5	3401.0	3453.3	3507.1	3552.1	3575.4	3594.3	3601.5	3604.4
3448.9	12.5°	3459.1	3486.7	3550.7	3614.6	3671.3	3710.5	3716.3	3712.0	3691.6	3674.2
3611.7	15°	3614.6	3639.3	3710.5	3780.3	3835.5	3842.8	3806.5	3783.2	3758.5	3754.1
3793.4	17.5°	3800.6	3813.7	3879.1	3947.4	3951.8	3927.1	3873.3	3851.5	3828.3	3812.3
4030.3	20°	4017.2	4012.8	4059.3	4088.4	4057.9	3982.3	3900.9	3864.6	3841.3	3822.4
4321.0	22.5°	4275.9	4242.5	4236.7	4229.4	4148.0	3989.6	3879.1	3832.6	3796.3	3770.1
4726.5	25°	4652.3	4524.4	4435.8	4386.4	4203.2	3950.3	3809.4	3706.2	3637.9	3592.8
5222.1	27.5°	5123.2	4908.1	4684.3	4563.7	4203.2	3870.4	3640.8	3473.6	3361.7	3315.2
5701.7	30°	5572.3	5347.1	5017.1	4777.3	4193.1	3739.6	3369.0	3136.4	3005.6	2959.1
6111.5	32.5°	5956.0	5710.4	5370.3	5011.3	4168.4	3527.4	3031.8	2774.5	2648.1	2592.9
6517.0	35°	6312.1	6050.5	5724.9	5268.6	4102.9	3216.4	2661.2	2465.0	2324.0	2235.3
6929.8	37.5°	6676.9	6365.9	6060.7	5501.1	3985.2	2853.0	2376.3	2209.2	2043.5	1924.3
7368.7	40°	7073.7	6701.6	6419.7	5639.2	3791.9	2507.1	2155.4	2002.8	1826.9	1700.5
7874.5	42.5°	7537.3	7104.2	6819.4	5710.4	3527.4	2261.5	2011.5	1861.8	1696.1	1592.9
8416.6	45°	8021.3	7547.5	7184.2	5709.0	3232.4	2146.7	1965.0	1816.7	1633.6	1526.1
8973.3	47.5°	8528.6	8011.1	7499.5	5615.9	2976.6	2162.7	1938.8	1719.4	1517.3	1412.7
9535.8	50°	9037.2	8518.4	7804.8	5441.5	2867.6	2127.8	1841.5	1582.8	1344.4	1249.9
10063.3	52.5°	9541.6	9057.6	8067.8	5193.0	2757.1	1998.4	1716.5	1405.4	1273.2	1207.8
10608.4	55°	10048.8	9591.0	8354.1	4831.1	2481.0	1847.3	1507.2	1338.6	1216.5	1156.9
11141.8	57.5°	10557.5	10207.2	8625.9	4469.2	2133.6	1661.2	1392.4	1257.2	1159.8	1108.9
11588.0	60°	11086.5	10912.1	8906.4	4136.4	1790.6	1422.9	1308.1	1191.8	1093.0	1036.3
12016.7	62.5°	11631.6	11688.2	9125.9	3707.6	1475.2	1277.5	1232.5	1113.3	1017.4	963.6
12371.3	65°	12180.9	12436.7	9269.8	3113.2	1196.1	1139.5	1151.1	1027.6	930.2	883.7
12631.5	67.5°	12595.2	12976.0	9229.1	2356.0	981.0	1008.7	1049.4	937.4	845.9	809.5
12589.3	70°	12641.7	12912.0	8828.0	1613.3	821.2	880.8	936.0	848.8	754.3	728.2
11996.4	72.5°	12022.5	12040.0	7710.3	1053.7	694.7	773.2	816.8	758.7	667.1	640.9
10495.0	75°	10399.1	9957.2	5661.0	694.7	581.4	664.2	704.9	664.2	575.5	581.4
7852.7	77.5°	7878.9	7051.9	3437.3	494.2	485.4	558.1	613.3	584.3	508.7	571.2
3948.9	80°	4059.3	3815.2	1533.3	369.2	383.7	446.2	504.3	466.5	402.6	383.7
882.2	82.5°	930.2	1081.3	604.6	264.5	277.6	321.2	385.2	350.3	289.2	244.2
367.7	85°	325.6	356.1	267.4	165.7	162.8	200.6	261.6	234.0	196.2	157.0
155.5	87.5°	103.2	135.2	100.3	66.9	69.8	90.1	120.6	110.5	91.6	59.6
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>
3087.0
3171.3
3305.0
3457.6
3597.2
3674.2
3754.1
3813.7
3823.9
3778.8
3610.2
3338.5
2986.7
2620.5
2264.4
1956.3
1725.2
1613.3
1543.5
1427.2
1255.7
1207.8
1151.1
1100.2
1031.9
962.2
882.2
811.0
729.6
639.5
561.0
502.9
350.3
241.3
165.7
62.5
0.0

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