

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: P952784

Luminaire Tested: **GALN-SB6C-740-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952784
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-740-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48691 lumens
Efficiency: N/A
Efficacy: 161.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

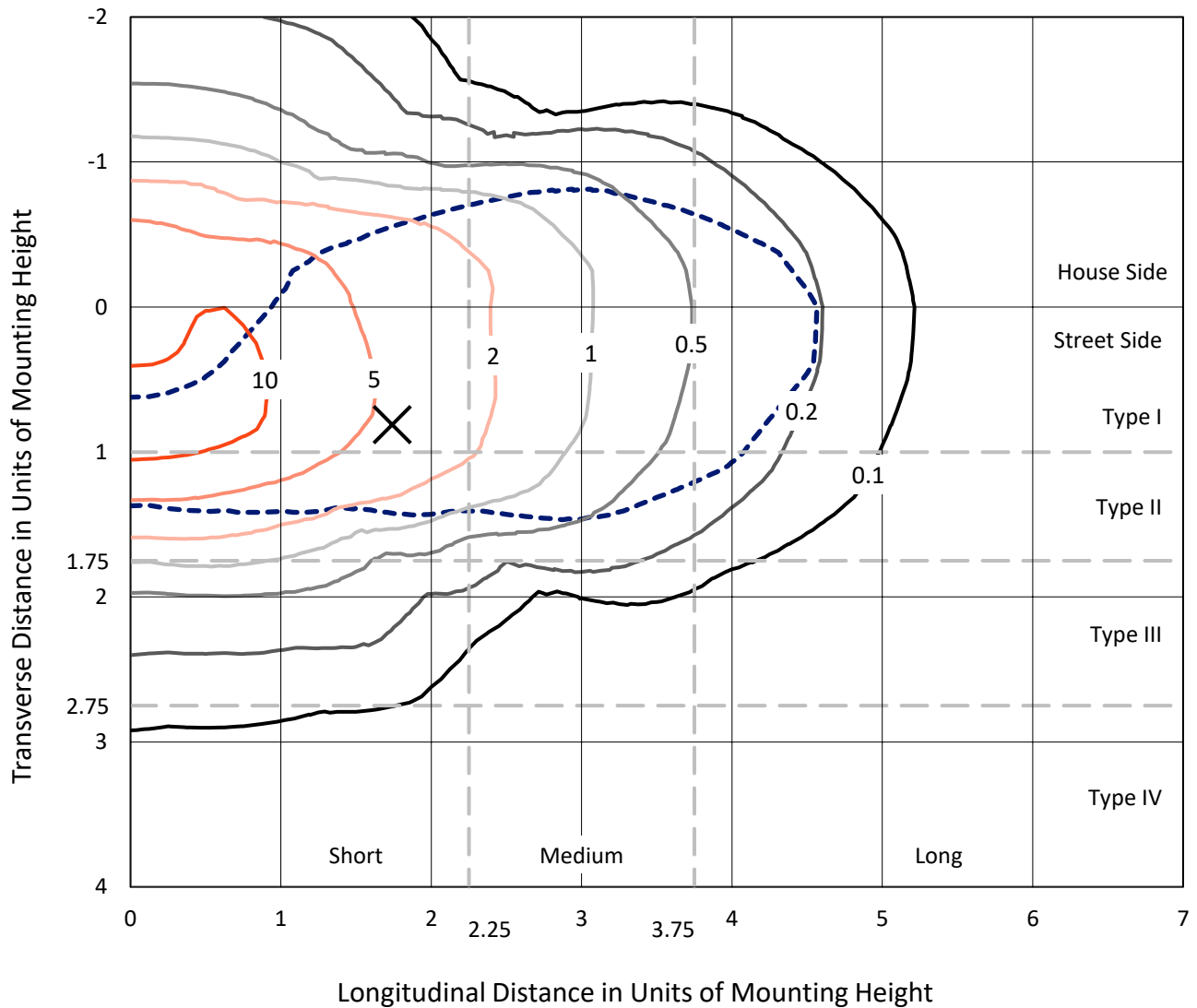
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952784
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Iso-Footcandle Lines of Horizontal Illumination

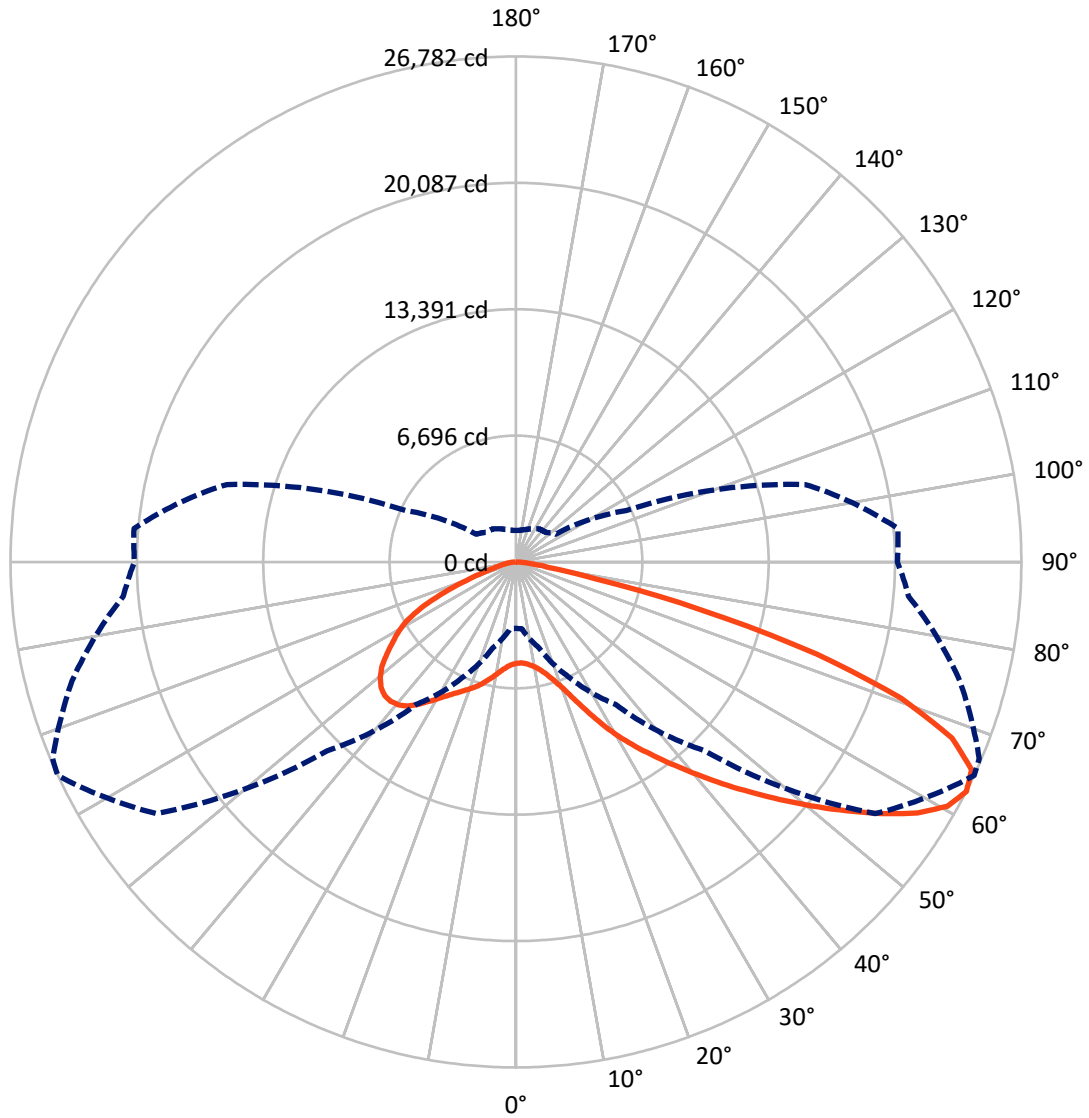
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 fc
 Type II - Short - N/A

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CATALOG NUMBER: GALN-SB6C-740-U-T2U

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	15364.7	0.0	15364.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	33326.2	0.0	33326.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	48691.0	0.0	48691.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.9	1.1
10°-20°	1814.0	3.7
20°-30°	3678.1	7.6
30°-40°	6364.9	13.1
40°-50°	9632.1	19.8
50°-60°	11293.0	23.2
60°-70°	9467.8	19.4
70°-80°	5227.0	10.7
80°-90°	679.0	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°	48691.0	100.0
0°-180°	48691.0	100.0



REPORT NUMBER: P952784

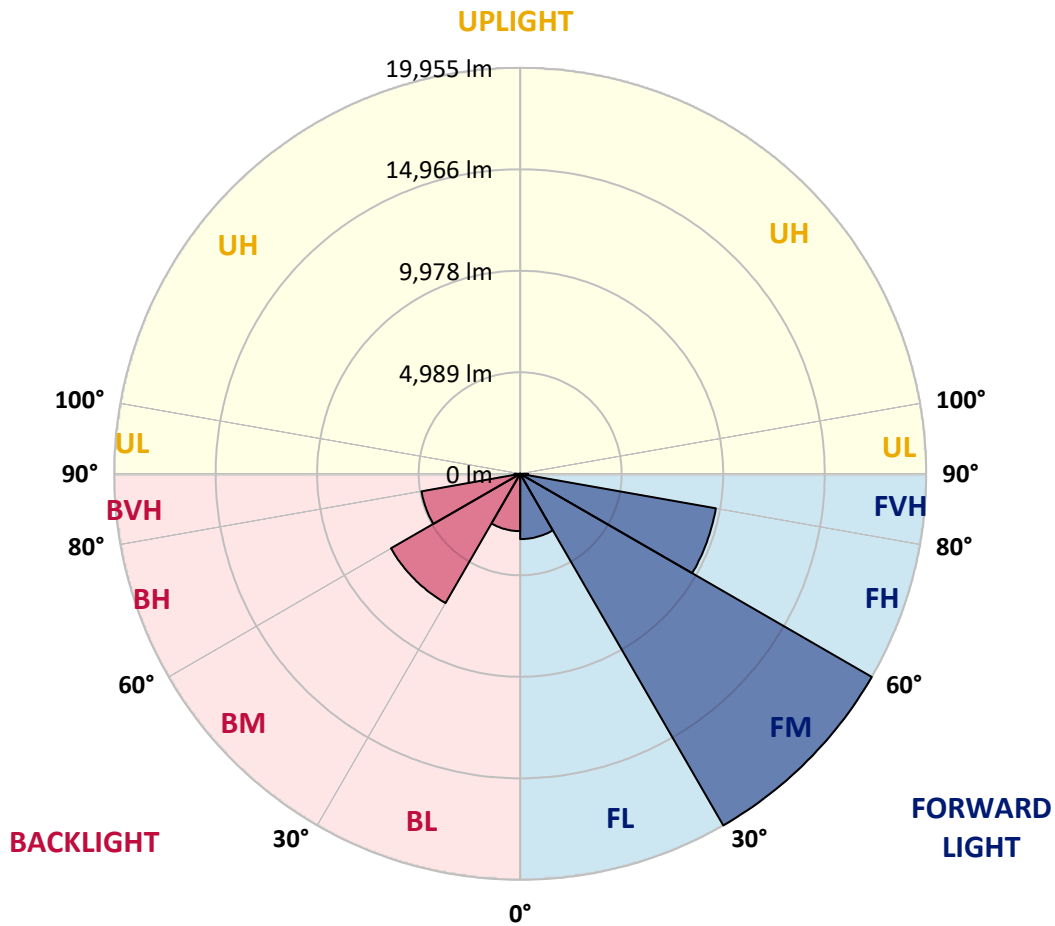
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3209.4	6.6			
FM (30°-60°)	19955.1	41.0			
FH (60°-80°)	9766.0	20.1			G4/12000
FVH (80°-90°)	395.7	0.8			G3/500
BL (0°-30°)	2817.7	5.8	B4/5000		
BM (30°-60°)	7334.9	15.1	B4/8500		
BH (60°-80°)	4928.9	10.1	B4/5000		G4/5000
BVH (80°-90°)	283.2	0.6			G3/500
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



REPORT NUMBER: P952784

CATALOG NUMBER: GALN-SB6C-740-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	5365.5	5365.5	5365.5	5365.5	5365.5	5365.5	5365.5	5365.5	5365.5	5365.5
2.5°	5330.2	5315.0	5327.6	5327.6	5332.7	5330.2	5347.9	5352.9	5360.5	5375.6
5°	5277.1	5274.6	5297.3	5317.5	5337.7	5355.4	5378.2	5411.0	5416.1	5433.7
7.5°	5259.4	5244.3	5279.6	5304.9	5352.9	5395.9	5456.5	5512.1	5534.8	5542.4
10°	5395.9	5370.6	5403.4	5418.6	5459.0	5501.9	5572.7	5661.1	5686.4	5716.7
12.5°	5628.3	5600.5	5648.5	5671.2	5709.1	5747.0	5795.0	5880.9	5893.5	5949.1
15°	5946.6	5913.7	5944.0	5971.8	6035.0	6070.3	6118.3	6201.7	6201.7	6244.6
17.5°	6378.5	6335.6	6358.3	6368.4	6408.8	6461.9	6542.7	6616.0	6653.9	6638.7
20°	7022.7	6969.6	6969.6	6919.1	6904.0	6946.9	7053.0	7154.0	7194.5	7116.2
22.5°	7990.2	7914.4	7871.5	7699.7	7631.5	7636.5	7742.6	7866.4	7899.3	7760.3
25°	9220.4	9101.7	9043.6	8791.0	8636.9	8503.0	8586.4	8745.5	8791.0	8619.2
27.5°	10450.7	10458.3	10402.7	10099.5	9844.4	9599.4	9556.4	9723.1	9771.1	9576.6
30°	12176.0	11996.7	11890.6	11526.8	11163.0	10819.5	10642.7	10710.9	10723.5	10491.1
32.5°	13663.9	13618.5	13391.1	13072.8	12605.5	12067.4	11771.8	11663.2	11643.0	11312.1
35°	15359.0	15333.7	15093.7	14714.8	14209.6	13461.8	12928.8	12618.1	12592.8	12128.0
37.5°	17081.8	17081.8	16846.9	16432.6	15909.7	14975.0	14164.1	13671.5	13590.7	12984.4
40°	18456.0	18372.7	18415.6	18241.3	17642.6	16649.8	15535.8	14820.9	14712.3	13984.8
42.5°	19236.6	19208.8	19466.5	19661.0	19416.0	18622.8	17046.4	16066.3	15914.7	15086.2
45°	19410.9	19380.6	19840.4	20552.7	20896.3	20570.4	18688.4	17377.4	17193.0	16238.1
47.5°	19009.3	18948.6	19623.1	20747.2	21848.6	22422.1	20466.8	18799.6	18531.8	17359.7
50°	17801.8	17743.7	18764.2	20257.2	22169.5	23680.1	22396.8	20307.7	19898.5	18562.1
52.5°	15177.1	15204.9	16803.9	18855.2	21747.6	24463.2	24059.0	21896.6	21404.0	19792.4
55°	11822.4	11883.0	13848.3	16106.7	20060.1	24344.5	25193.3	23533.6	23043.5	20949.3
57.5°	8465.1	8732.9	10574.5	12810.1	16819.1	22462.5	25440.8	25089.7	24614.8	22212.4
60°	5486.8	5534.8	7429.4	9682.7	12807.6	19117.9	24938.1	26269.4	25898.1	23500.7
62.5°	3516.4	3549.2	4703.7	6772.6	9217.9	14143.9	23245.6	26782.2	26668.5	24352.1
65°	2584.2	2559.0	3160.2	4476.3	6209.3	8722.8	19959.1	26534.7	26759.5	24885.1
67.5°	2157.3	2122.0	2417.5	3099.6	4574.9	4953.8	14767.9	24925.5	25749.0	24824.5
70°	1965.3	1935.0	2114.4	2301.3	3569.4	3316.8	7444.6	21669.3	22937.4	24134.8
72.5°	1664.7	1611.7	1856.7	2043.7	2776.2	2543.8	3076.8	16644.8	18190.8	21924.4
75°	1290.9	1255.5	1465.2	1798.6	2086.6	1985.6	1945.1	10107.1	11794.6	16955.5
77.5°	1023.1	975.1	1167.1	1402.0	1876.9	1498.0	1417.2	4352.6	6024.9	10824.5
80°	770.5	727.5	886.7	1109.0	1442.4	1129.2	917.0	1775.9	2271.0	5484.3
82.5°	548.2	510.3	618.9	813.4	970.0	1013.0	563.3	995.3	1119.1	2114.4
85°	351.1	328.4	414.3	510.3	616.4	651.7	343.6	520.4	570.9	871.5
87.5°	192.0	156.6	222.3	237.5	285.5	260.2	164.2	189.5	204.6	315.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952784
 CATALOG NUMBER: GALN-SB6C-740-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5365.5	0°	5365.5	5365.5	5365.5	5365.5	5365.5	5365.5	5365.5	5365.5	5365.5	5365.5
5375.6	2.5°	5385.7	5393.3	5418.6	5426.2	5443.8	5466.6	5481.7	5496.9	5496.9	5512.1
5456.5	5°	5459.0	5476.7	5529.7	5557.5	5603.0	5648.5	5676.3	5709.1	5729.3	5739.4
5585.3	7.5°	5600.5	5628.3	5704.0	5752.0	5830.3	5893.5	5936.4	5981.9	5992.0	6019.8
5764.7	10°	5792.5	5825.3	5911.2	6002.1	6095.6	6173.9	6214.3	6247.2	6259.8	6264.8
5994.5	12.5°	6012.2	6060.2	6171.4	6282.5	6381.0	6449.3	6459.4	6451.8	6416.4	6386.1
6277.5	15°	6282.5	6325.5	6449.3	6570.5	6666.5	6679.1	6616.0	6575.6	6532.6	6525.0
6593.2	17.5°	6605.9	6628.6	6742.3	6861.0	6868.6	6825.7	6732.2	6694.3	6653.9	6626.1
7005.0	20°	6982.3	6974.7	7055.5	7106.1	7053.0	6921.6	6780.2	6717.0	6676.6	6643.8
7510.2	22.5°	7431.9	7373.8	7363.7	7351.1	7209.6	6934.3	6742.3	6661.5	6598.3	6552.8
8215.0	25°	8086.2	7863.9	7709.8	7623.9	7305.6	6866.1	6621.0	6441.7	6322.9	6244.6
9076.4	27.5°	8904.7	8530.8	8141.8	7932.1	7305.6	6727.1	6328.0	6037.5	5843.0	5762.1
9910.1	30°	9685.2	9293.7	8720.3	8303.4	7287.9	6499.8	5855.6	5451.4	5224.1	5143.2
10622.4	32.5°	10352.2	9925.2	9334.1	8710.2	7245.0	6131.0	5269.5	4822.4	4602.6	4506.6
11327.2	35°	10971.1	10516.4	9950.5	9157.3	7131.3	5590.4	4625.4	4284.3	4039.3	3885.2
12044.7	37.5°	11605.1	11064.5	10534.0	9561.5	6926.7	4958.8	4130.3	3839.7	3551.8	3344.6
12807.6	40°	12294.8	11648.1	11158.0	9801.5	6590.7	4357.6	3746.3	3481.0	3175.4	2955.6
13686.7	42.5°	13100.6	12347.8	11852.7	9925.2	6131.0	3930.7	3496.2	3236.0	2948.0	2768.7
14628.9	45°	13941.8	13118.3	12486.7	9922.7	5618.2	3731.1	3415.4	3157.7	2839.4	2652.5
15596.4	47.5°	14823.4	13924.1	13034.9	9761.0	5173.5	3758.9	3369.9	2988.4	2637.3	2455.4
16574.1	50°	15707.6	14805.7	13565.4	9457.9	4984.1	3698.3	3200.6	2751.0	2336.7	2172.5
17491.0	52.5°	16584.2	15743.0	14022.6	9025.9	4792.1	3473.5	2983.4	2442.8	2212.9	2099.2
18438.3	55°	17465.8	16670.0	14520.3	8396.9	4312.1	3210.7	2619.6	2326.6	2114.4	2010.8
19365.4	57.5°	18349.9	17741.1	14992.7	7767.9	3708.4	2887.4	2420.0	2185.1	2015.9	1927.5
20141.0	60°	19269.5	18966.3	15480.2	7189.4	3112.2	2473.1	2273.5	2071.4	1899.7	1801.1
20886.2	62.5°	20216.8	20315.3	15861.7	6444.2	2564.0	2220.5	2142.2	1935.0	1768.3	1674.8
21502.6	65°	21171.6	21616.2	16111.8	5411.0	2079.0	1980.5	2000.7	1786.0	1616.7	1535.9
21954.7	67.5°	21891.6	22553.4	16041.0	4094.9	1705.1	1753.1	1823.9	1629.4	1470.2	1407.1
21881.5	70°	21972.4	22442.3	15343.8	2804.0	1427.3	1530.8	1626.8	1475.3	1311.1	1265.6
20850.8	72.5°	20896.3	20926.6	13401.2	1831.5	1207.5	1343.9	1419.7	1318.6	1159.5	1114.0
18241.3	75°	18074.6	17306.6	9839.3	1207.5	1010.5	1154.4	1225.2	1154.4	1000.4	1010.5
13648.8	77.5°	13694.2	12256.9	5974.3	858.9	843.7	970.0	1066.0	1015.5	884.2	992.8
6863.5	80°	7055.5	6631.1	2665.1	641.6	666.9	775.5	876.6	810.9	699.7	666.9
1533.4	82.5°	1616.7	1879.5	1050.9	459.8	482.5	558.3	669.4	608.8	502.7	424.4
639.1	85°	565.9	618.9	464.8	288.0	282.9	348.6	454.7	406.7	341.0	272.8
270.3	87.5°	179.4	234.9	174.3	116.2	121.3	156.6	209.7	192.0	159.1	103.6
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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180°
5365.5
5512.1
5744.5
6009.7
6252.2
6386.1
6525.0
6628.6
6646.3
6568.0
6275.0
5802.6
5191.2
4554.6
3935.7
3400.2
2998.5
2804.0
2682.8
2480.7
2182.6
2099.2
2000.7
1912.3
1793.6
1672.3
1533.4
1409.6
1268.1
1111.5
975.1
874.0
608.8
419.3
288.0
108.6
0.0

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