

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: P942935

Luminaire Tested: **GALN-SB7A-935-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7A-935-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21989 lumens
Efficiency: N/A
Efficacy: 110.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

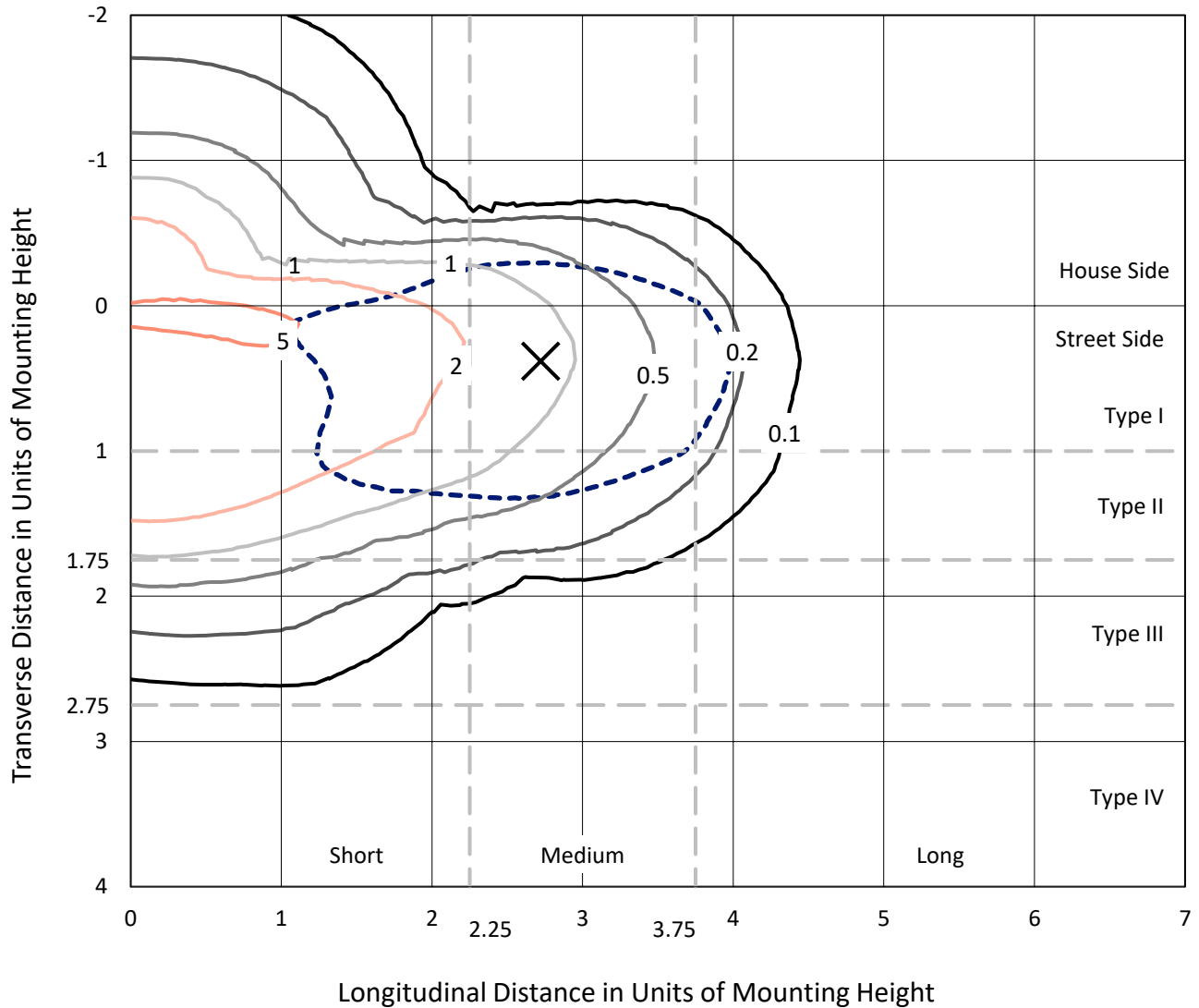
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

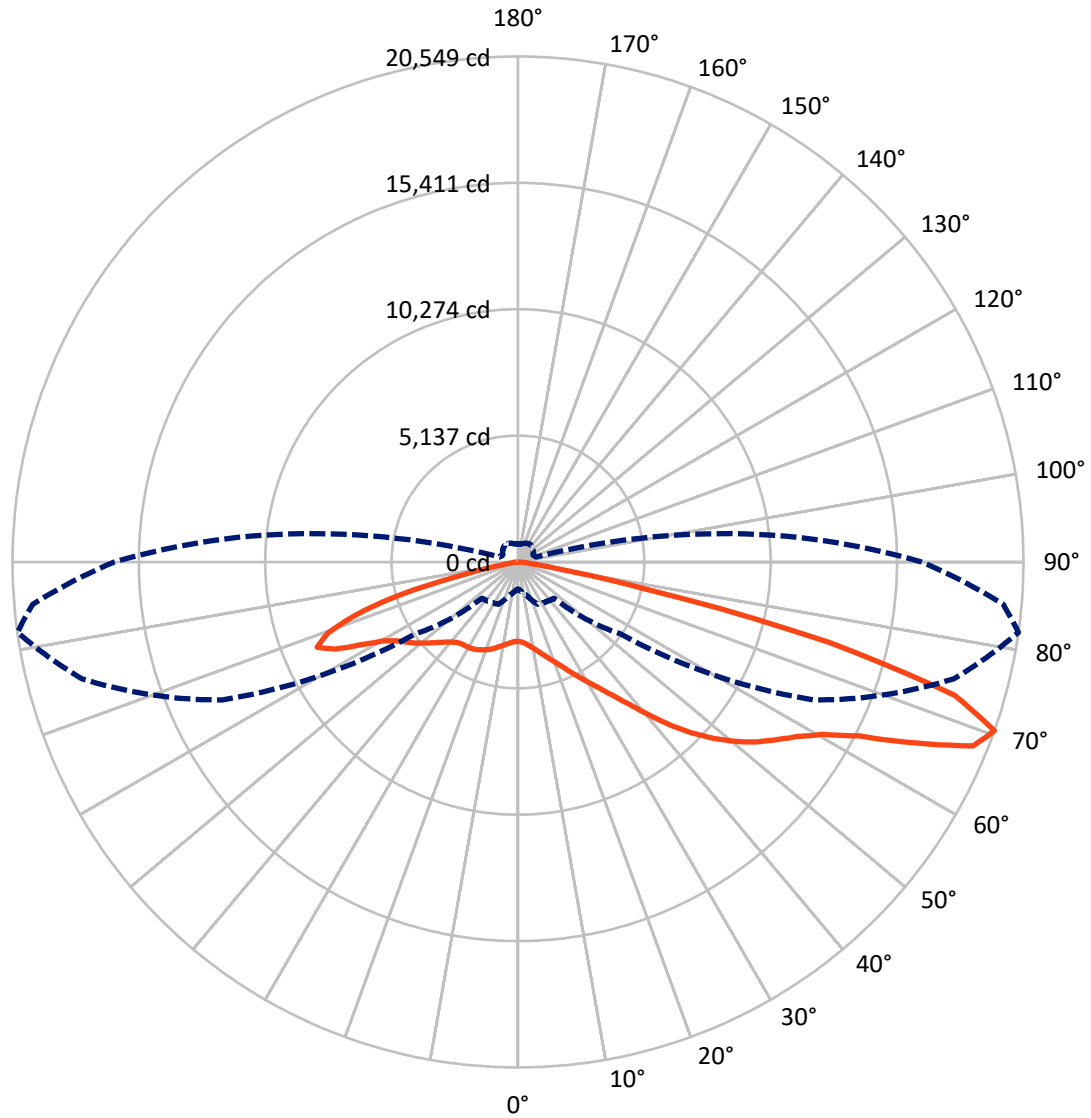
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5420.8	0.0	5420.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	16568.2	0.0	16568.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	21989.0	0.0	21989.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.4	1.4
10°-20°	874.5	4.0
20°-30°	1463.0	6.7
30°-40°	2285.6	10.4
40°-50°	3640.1	16.6
50°-60°	5065.6	23.0
60°-70°	5298.8	24.1
70°-80°	2769.5	12.6
80°-90°	287.6	1.3
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°	21989.0	100.0
0°-180°	21989.0	100.0

Coefficient of Utilization



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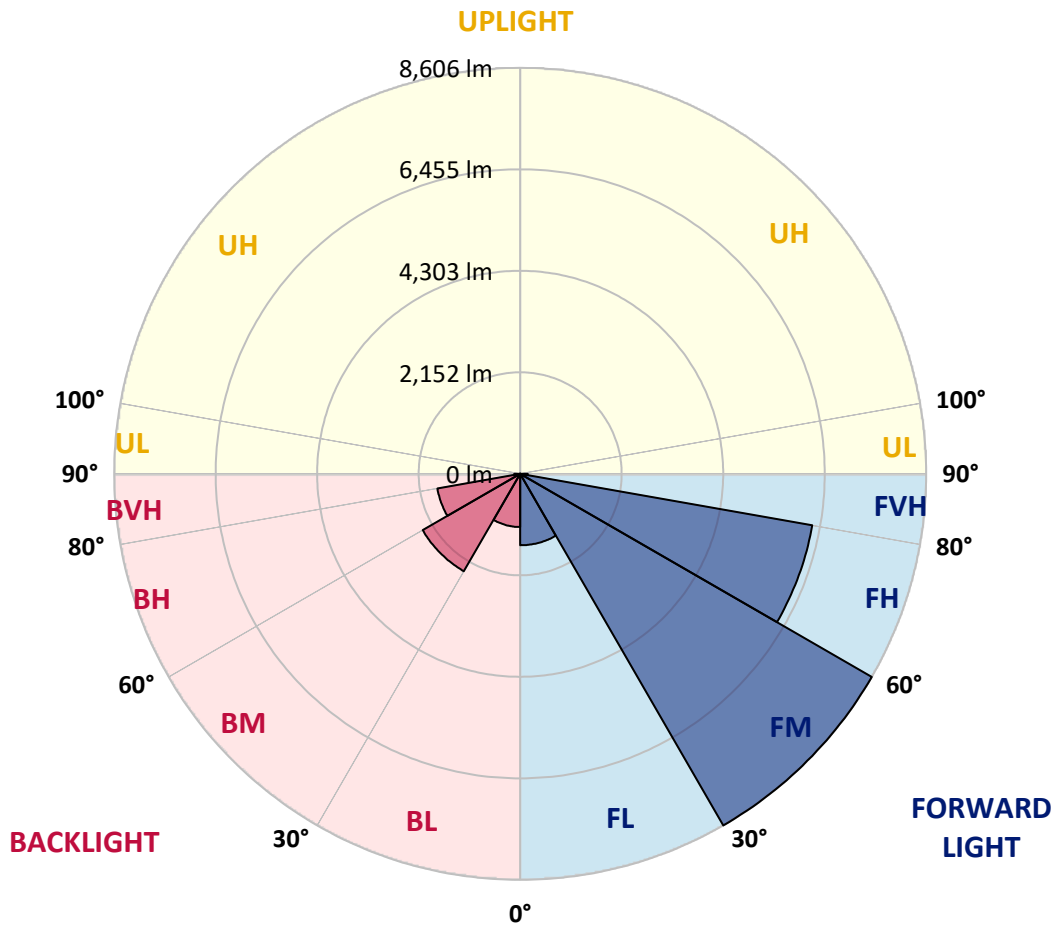
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1514.2	6.9			
FM (30°-60°)	8606.3	39.1			
FH (60°-80°)	6286.7	28.6			G3/7500
FVH (80°-90°)	161.0	0.7			G2/225
BL (0°-30°)	1127.7	5.1	B3/2500		
BM (30°-60°)	2384.9	10.8	B2/2500		
BH (60°-80°)	1781.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	126.6	0.6			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3223.9	3223.9	3223.9	3223.9	3223.9	3223.9	3223.9	3223.9	3223.9	3223.9
2.5°	3300.9	3319.5	3313.7	3307.9	3307.9	3299.7	3298.5	3286.9	3277.5	3262.4
5°	3342.9	3362.7	3360.4	3365.0	3380.2	3383.7	3387.2	3380.2	3361.5	3342.9
7.5°	3305.5	3327.7	3334.7	3362.7	3409.4	3451.4	3482.9	3495.7	3478.2	3451.4
10°	3179.5	3204.0	3228.5	3295.0	3377.9	3477.1	3561.1	3611.2	3607.7	3582.1
12.5°	2924.0	2949.7	3002.2	3131.7	3283.4	3458.4	3614.7	3719.8	3755.9	3737.3
15°	2719.8	2742.0	2781.6	2914.7	3111.8	3377.9	3634.6	3838.8	3930.9	3920.4
17.5°	2714.0	2723.3	2747.8	2810.8	2962.5	3251.9	3613.6	3955.4	4131.6	4130.5
20°	2816.6	2820.2	2834.2	2847.0	2933.3	3156.2	3559.9	4052.3	4356.8	4356.8
22.5°	2959.0	2956.7	2970.7	2959.0	3001.0	3148.0	3526.1	4137.5	4607.7	4626.4
25°	3172.5	3160.9	3157.4	3130.5	3138.7	3223.9	3563.4	4234.3	4905.2	4943.7
27.5°	3457.2	3438.6	3425.7	3363.9	3342.9	3380.2	3677.7	4351.0	5236.6	5303.1
30°	3828.3	3794.4	3775.8	3668.4	3592.6	3598.4	3850.4	4506.2	5583.1	5690.5
32.5°	4334.7	4282.1	4232.0	4055.8	3916.9	3871.4	4073.3	4720.9	5958.8	6130.4
35°	4901.7	4859.7	4806.0	4534.2	4320.7	4215.6	4374.3	5020.7	6398.7	6670.6
37.5°	5447.8	5411.6	5437.3	5070.9	4795.5	4642.7	4768.7	5423.3	6941.3	7342.7
40°	6012.5	5984.5	5988.0	5638.0	5317.1	5145.6	5247.1	5928.5	7563.2	8141.9
42.5°	6626.2	6605.2	6535.2	6224.9	5864.3	5704.5	5797.8	6511.9	8230.6	9052.0
45°	7313.5	7300.7	7235.3	6879.4	6466.4	6286.7	6412.7	7156.0	8901.5	9908.4
47.5°	7907.4	7917.9	7909.7	7609.9	7181.6	6917.9	7068.5	7828.0	9525.7	10713.5
50°	8193.3	8248.1	8328.6	8235.3	7969.2	7700.9	7730.0	8476.8	10120.8	11468.5
52.5°	8043.9	8147.7	8367.1	8516.5	8619.1	8563.1	8485.0	9120.9	10680.9	12149.9
55°	7487.3	7633.2	7997.2	8357.8	8881.7	9288.9	9391.6	9834.9	11226.9	12749.6
57.5°	6473.4	6710.3	7037.0	7766.2	8648.3	9640.1	10448.7	10825.6	11805.7	13390.2
60°	4734.9	5052.2	5458.3	6543.4	7831.5	9452.2	11348.3	12347.1	12628.3	14219.8
62.5°	3030.2	3226.2	3599.6	4621.7	6102.4	8489.6	11623.6	14248.9	14022.6	15580.3
65°	2074.6	2200.6	2542.5	3116.5	3944.9	6319.4	10886.2	15674.8	16237.2	17736.5
67.5°	1507.5	1603.2	1894.9	2397.8	2570.5	3739.6	8447.6	15609.4	18389.9	19958.1
70°	1099.1	1166.8	1411.8	1894.9	1977.7	2080.4	5117.6	13268.8	18343.2	20548.5
72.5°	814.4	861.1	1025.6	1470.2	1600.8	1404.8	2533.1	9643.6	15762.3	18585.9
75°	589.2	624.2	745.6	1124.8	1281.1	1070.0	1263.6	5635.6	10994.7	13074.0
77.5°	450.4	477.2	556.6	823.8	1025.6	802.8	784.1	2592.6	5213.3	5238.9
80°	361.7	379.2	422.4	579.9	786.4	600.9	511.1	1046.6	1647.5	1394.3
82.5°	266.0	295.2	357.0	407.2	562.4	414.2	311.5	528.6	626.6	539.1
85°	151.7	171.5	215.9	291.7	359.4	253.2	178.5	234.5	291.7	239.2
87.5°	53.7	70.0	75.8	114.3	156.4	105.0	68.8	67.7	95.7	71.2
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°
3223.9	0°	3223.9	3223.9	3223.9	3223.9	3223.9	3223.9	3223.9	3223.9	3223.9	3223.9
3258.9	2.5°	3247.2	3241.4	3218.0	3186.5	3153.9	3122.4	3111.8	3089.7	3074.5	3066.3
3334.7	5°	3312.5	3293.9	3239.0	3169.0	3095.5	3016.2	2960.2	2908.8	2871.5	2836.5
3438.6	7.5°	3405.9	3373.2	3278.7	3156.2	3025.5	2893.7	2795.6	2721.0	2670.8	2638.1
3559.9	10°	3514.4	3464.2	3319.5	3136.4	2934.5	2745.5	2630.0	2565.8	2534.3	2516.8
3698.7	12.5°	3639.2	3568.1	3361.5	3090.8	2795.6	2579.8	2500.4	2481.8	2482.9	2484.1
3873.8	15°	3793.3	3694.1	3395.4	2991.7	2614.8	2452.6	2438.6	2468.9	2500.4	2515.6
4072.1	17.5°	3967.1	3827.1	3401.2	2828.3	2437.4	2370.9	2415.3	2480.6	2528.5	2549.5
4293.8	20°	4153.8	3962.4	3359.2	2597.3	2291.6	2304.4	2383.8	2467.8	2520.3	2547.1
4547.0	22.5°	4367.3	4107.1	3258.9	2354.6	2172.6	2232.1	2325.4	2407.1	2461.9	2488.8
4844.5	25°	4611.2	4269.3	3101.3	2150.4	2069.9	2150.4	2243.8	2311.4	2355.8	2380.3
5177.1	27.5°	4881.9	4438.5	2891.3	1988.2	1980.1	2066.4	2143.4	2195.9	2219.2	2237.9
5530.6	30°	5153.7	4592.5	2637.0	1865.7	1901.9	1983.6	2038.4	2061.7	2068.7	2072.2
5925.0	32.5°	5447.8	4725.5	2369.8	1764.2	1827.2	1903.0	1935.7	1946.2	1913.5	1891.4
6403.4	35°	5803.7	4867.9	2108.4	1683.7	1753.7	1819.0	1829.5	1820.2	1781.7	1736.2
7003.1	37.5°	6243.5	5045.2	1899.5	1626.5	1684.9	1728.0	1715.2	1712.9	1716.4	1662.7
7724.2	40°	6782.6	5276.3	1746.7	1582.2	1628.8	1638.2	1602.0	1621.8	1639.4	1557.7
8515.3	42.5°	7381.2	5555.1	1649.9	1551.8	1582.2	1560.0	1504.0	1526.2	1523.8	1416.5
9309.9	45°	7991.4	5858.5	1616.0	1529.7	1539.0	1494.7	1432.8	1438.7	1389.7	1292.8
10071.8	47.5°	8598.1	6184.0	1637.0	1511.0	1485.3	1435.2	1387.3	1361.7	1289.3	1217.0
10802.2	50°	9193.2	6525.9	1714.0	1473.7	1411.8	1382.7	1347.7	1302.1	1225.1	1163.3
11493.0	52.5°	9745.1	6870.1	1800.4	1411.8	1319.6	1337.2	1315.0	1262.5	1186.6	1123.6
12146.4	55°	10267.8	7214.3	1834.2	1326.6	1233.3	1297.5	1284.6	1187.8	1096.8	1045.5
12830.1	57.5°	10837.2	7628.5	1796.9	1218.1	1163.3	1252.0	1203.0	1095.6	1043.1	1004.6
13720.4	60°	11626.0	8278.4	1716.4	1084.0	1096.8	1184.3	1100.3	1056.0	998.8	955.6
15055.2	62.5°	12936.3	9490.7	1586.8	950.9	1018.6	1084.0	1051.3	1006.9	948.6	906.6
17337.4	65°	14873.2	11175.6	1343.0	847.1	931.1	985.9	998.8	954.4	893.8	849.4
19337.3	67.5°	16506.7	12232.7	1016.3	760.8	841.3	906.6	942.8	899.6	835.4	792.3
19805.2	70°	16416.8	11465.0	775.9	675.6	761.9	828.4	875.1	841.3	772.4	731.6
17989.7	72.5°	14581.5	9591.1	627.7	589.2	681.4	746.8	802.8	777.1	707.1	667.4
13179.0	75°	10712.4	6808.3	501.7	501.7	581.1	661.6	723.4	707.1	642.9	614.9
5533.0	77.5°	4515.5	2856.3	393.2	416.5	483.1	568.2	645.2	651.1	595.1	630.1
1463.2	80°	1200.6	787.6	299.9	327.9	379.2	469.1	561.2	558.9	498.2	465.6
543.7	82.5°	457.4	310.4	213.5	231.0	274.2	359.4	444.5	458.6	397.9	344.2
213.5	85°	176.2	133.0	131.8	138.8	159.9	238.0	336.0	347.7	299.9	254.4
59.5	87.5°	45.5	39.7	49.0	46.7	73.5	127.2	192.5	199.5	183.2	106.2
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>
3223.9
3075.7
2850.5
2645.1
2521.5
2486.4
2514.4
2554.1
2554.1
2495.8
2387.3
2244.9
2080.4
1898.4
1738.5
1666.2
1560.0
1415.3
1296.3
1217.0
1158.6
1124.8
1040.8
1001.1
953.3
906.6
851.8
793.4
735.1
667.4
606.7
571.7
432.9
344.2
262.5
151.7
0.0

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