

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: P954097

Luminaire Tested: **GALN-SB7B-950-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954097  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB7B-950-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

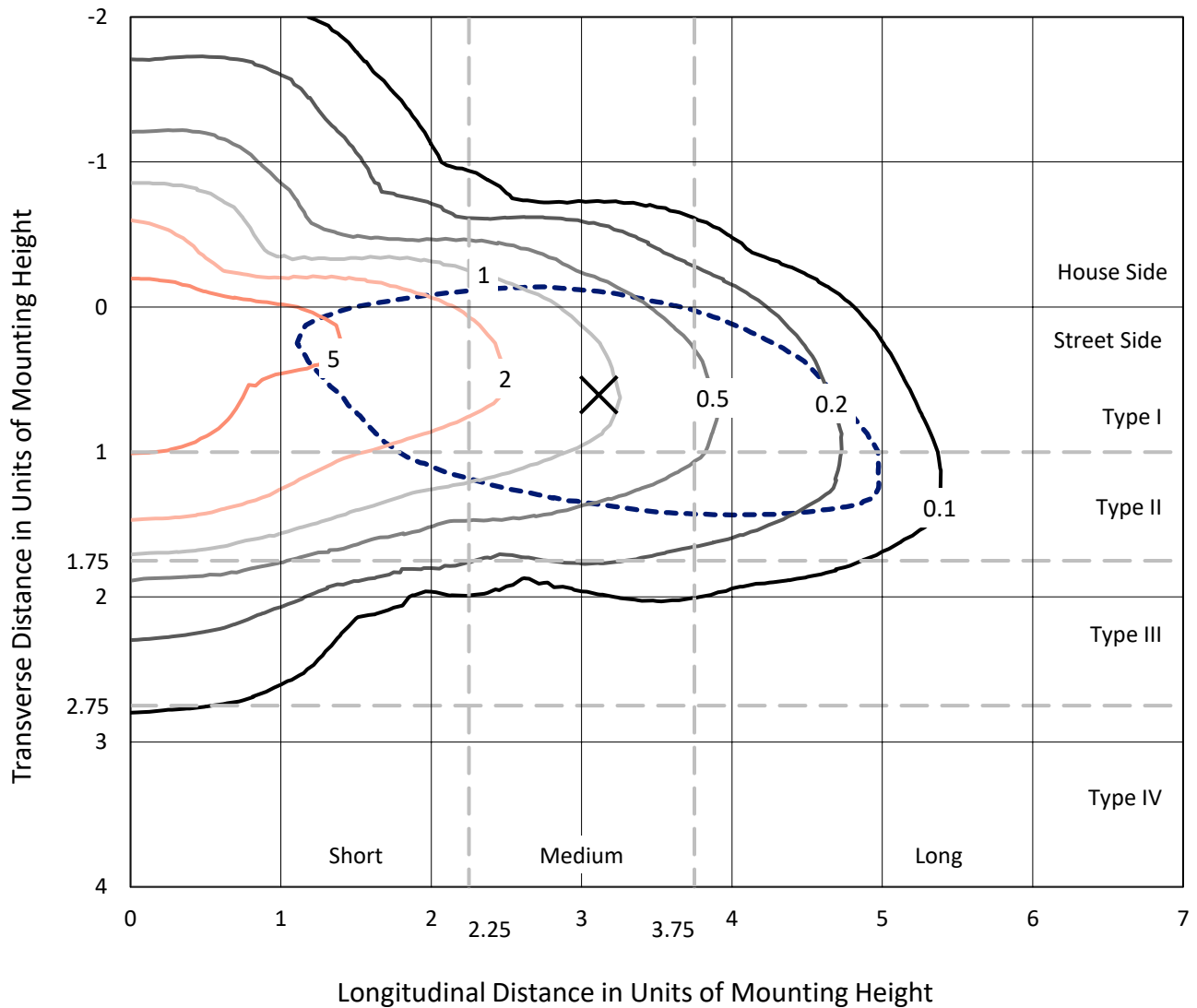
Lumens per Lamp: N/A  
Luminaire Lumens: 27690 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

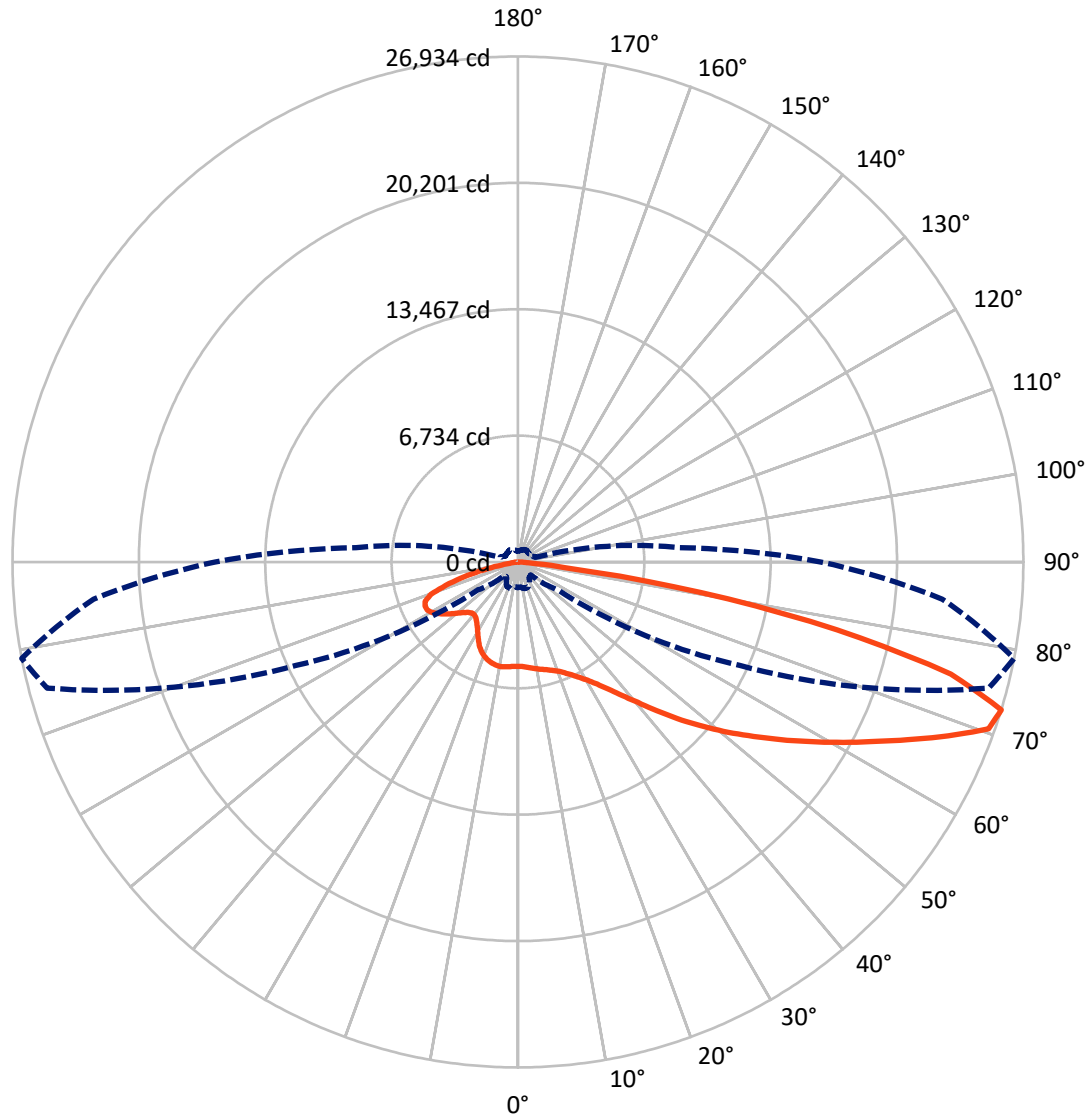
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6093.3	0.0	6093.3
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	21596.7	0.0	21596.7
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	27690.0	0.0	27690.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	504.6	1.8
10°-20°	1319.2	4.8
20°-30°	2128.6	7.7
30°-40°	3194.7	11.5
40°-50°	4531.8	16.4
50°-60°	5723.1	20.7
60°-70°	5812.6	21.0
70°-80°	3961.5	14.3
80°-90°	514.0	1.9
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°	27690.0	100.0
0°-180°	27690.0	100.0

**Coefficient of Utilization**



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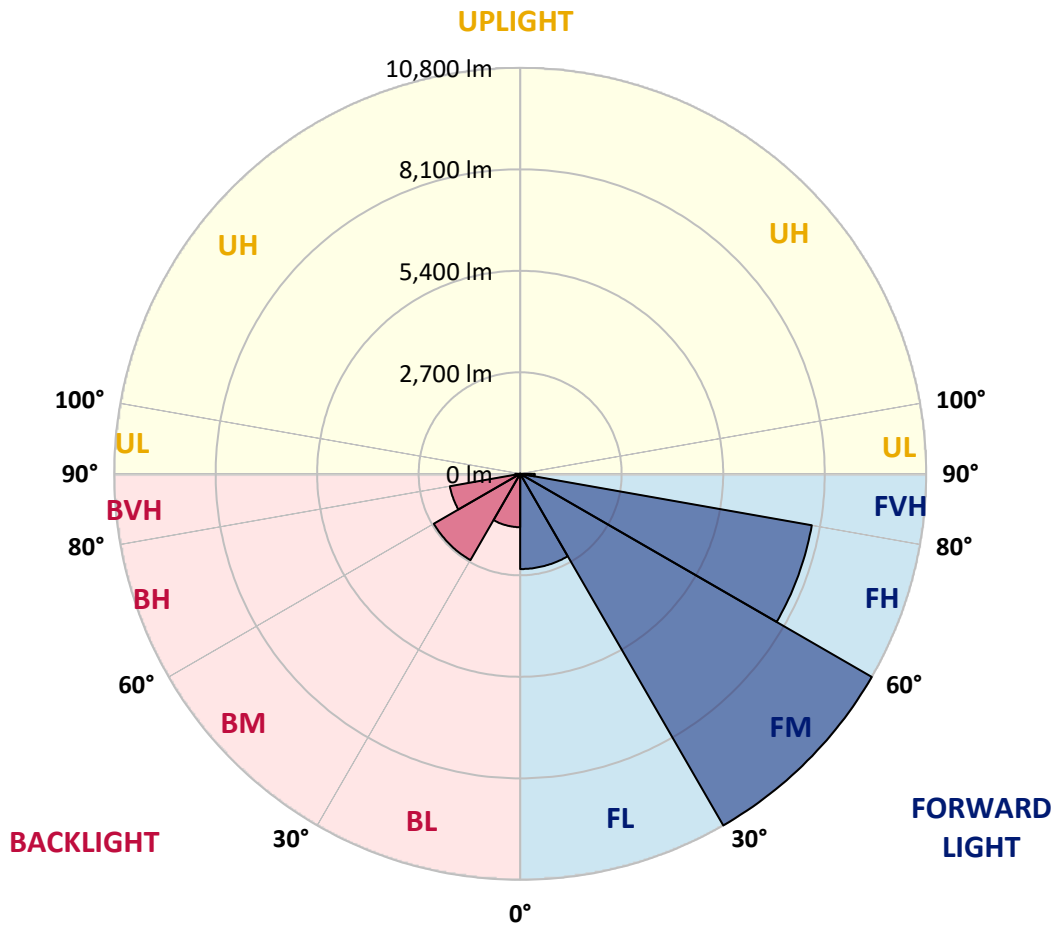
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2533.0	9.1			
FM (30°-60°)	10799.7	39.0			
FH (60°-80°)	7876.9	28.4			G4/12000
FVH (80°-90°)	387.2	1.4			G3/500
BL (0°-30°)	1419.3	5.1	B3/2500		
BM (30°-60°)	2650.0	9.6	B3/5000		
BH (60°-80°)	1897.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	126.8	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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	5558.5	5558.5	5558.5	5558.5	5558.5	5558.5	5558.5	5558.5	5558.5	5558.5
2.5°	5561.4	5535.1	5551.2	5545.3	5552.6	5561.4	5564.4	5568.8	5583.4	5581.9
5°	5549.7	5523.4	5545.3	5538.0	5557.0	5577.5	5595.1	5611.2	5634.7	5644.9
7.5°	5524.8	5507.2	5529.2	5551.2	5586.3	5617.1	5642.0	5678.6	5712.3	5718.2
10°	5379.8	5366.6	5417.9	5475.0	5571.7	5655.2	5709.4	5751.8	5788.5	5794.3
12.5°	5228.9	5212.8	5270.0	5347.6	5504.3	5655.2	5769.4	5825.1	5857.3	5876.3
15°	5204.0	5190.9	5223.1	5290.5	5420.8	5615.6	5810.4	5913.0	5940.8	5962.8
17.5°	5324.2	5299.3	5312.4	5335.9	5412.0	5579.0	5842.7	6012.6	6055.0	6078.5
20°	5602.4	5567.3	5546.8	5499.9	5486.7	5584.9	5839.7	6132.7	6188.3	6217.6
22.5°	5973.0	5949.6	5905.6	5787.0	5658.1	5656.6	5895.4	6286.5	6390.4	6418.3
25°	6421.2	6386.1	6330.4	6169.3	5921.7	5798.7	5989.1	6482.7	6657.0	6664.3
27.5°	6936.8	6884.1	6807.9	6595.5	6261.6	6021.3	6132.7	6708.3	6963.1	6960.2
30°	7480.2	7427.5	7346.9	7089.1	6668.7	6321.6	6331.9	6951.4	7326.4	7310.3
32.5°	7877.1	7837.6	7821.5	7622.3	7137.4	6676.1	6560.4	7220.9	7774.6	7759.9
35°	8181.8	8130.5	8149.5	8048.5	7648.6	7073.0	6840.1	7541.7	8319.4	8318.0
37.5°	8483.5	8438.1	8454.2	8386.8	8121.7	7576.8	7181.4	7934.2	8994.7	9026.9
40°	8758.9	8710.5	8775.0	8712.0	8489.4	8112.9	7569.5	8378.0	9776.8	9838.3
42.5°	8924.4	8886.3	8993.2	8994.7	8808.7	8565.5	7995.8	8867.2	10682.0	10819.7
45°	8981.5	8968.3	9129.4	9163.1	9091.3	8827.7	8379.5	9400.4	11657.5	11903.5
47.5°	8920.0	8895.1	9117.7	9242.2	9299.3	8950.7	8697.3	9977.5	12653.5	13013.8
50°	8609.5	8561.1	8892.1	9154.3	9357.9	9031.3	9018.1	10643.9	13785.7	14179.7
52.5°	8051.4	8014.8	8391.2	8846.7	9229.0	9070.8	9378.4	11371.9	14860.8	15370.5
55°	7338.1	7289.8	7704.3	8298.9	8908.3	9057.7	9738.7	12186.2	16129.2	16646.2
57.5°	6207.4	6110.7	6635.1	7338.1	8385.4	9041.5	10113.7	12996.2	17418.1	18037.7
60°	4558.1	4414.6	5057.6	5891.0	7363.0	8884.8	10578.0	13904.3	18964.8	19522.9
62.5°	2654.0	2570.5	2990.9	3768.7	5549.7	7962.1	10838.7	14960.4	20485.2	21071.1
65°	2060.8	2037.4	2074.0	2134.1	3089.0	5961.3	10034.6	15990.0	22418.6	22828.7
67.5°	1885.1	1867.5	1883.6	1770.8	1567.2	3320.5	7938.6	16250.8	24489.6	24738.6
70°	1675.6	1655.1	1707.8	1611.2	1233.3	1510.1	5129.3	15304.6	26137.4	26604.7
72.5°	1365.1	1341.7	1464.7	1420.8	1038.5	969.6	2576.4	13056.3	25964.6	26934.2
75°	1048.7	1035.5	1182.0	1218.6	846.6	763.1	1236.2	9705.0	22849.2	23826.1
77.5°	814.4	804.1	878.8	1012.1	682.5	591.7	760.2	6156.1	17218.9	17390.3
80°	610.8	581.5	650.3	783.6	531.7	432.1	515.6	3590.0	10884.1	9866.2
82.5°	382.3	367.6	424.8	522.9	375.0	297.3	335.4	1983.2	4361.9	2569.1
85°	218.2	212.4	231.4	298.8	203.6	171.4	191.9	875.9	796.8	547.8
87.5°	87.9	85.0	105.5	133.3	74.7	63.0	67.4	210.9	175.8	162.6
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°
5558.5	0°	5558.5	5558.5	5558.5	5558.5	5558.5	5558.5	5558.5	5558.5	5558.5	5558.5
5580.5	2.5°	5574.6	5574.6	5554.1	5521.9	5485.3	5461.8	5423.8	5413.5	5374.0	5362.2
5630.3	5°	5642.0	5630.3	5567.3	5476.5	5352.0	5237.7	5111.8	5032.7	4921.4	4881.8
5728.4	7.5°	5726.9	5694.7	5586.3	5387.1	5126.4	4870.1	4603.5	4401.4	4208.1	4139.2
5809.0	10°	5804.6	5759.2	5574.6	5226.0	4774.9	4331.1	3906.3	3609.0	3383.4	3291.2
5898.3	12.5°	5882.2	5798.7	5497.0	4958.0	4275.4	3673.4	3220.9	2989.4	2850.3	2739.0
5971.5	15°	5955.4	5838.3	5376.9	4599.1	3727.6	3116.9	2782.9	2598.4	2487.0	2413.8
6078.5	17.5°	6040.4	5871.9	5196.7	4143.6	3206.2	2731.6	2459.2	2347.9	2325.9	2317.1
6224.9	20°	6159.0	5902.7	4959.4	3633.9	2822.5	2424.1	2283.5	2273.2	2271.7	2267.3
6400.7	22.5°	6286.5	5939.3	4646.0	3171.1	2495.8	2232.2	2207.3	2186.8	2173.6	2172.1
6613.1	25°	6437.3	5951.0	4253.5	2791.7	2217.5	2141.4	2112.1	2081.3	2072.5	2072.5
6854.8	27.5°	6583.8	5911.5	3796.5	2462.1	2060.8	2057.9	2019.8	2009.6	2008.1	2012.5
7130.1	30°	6730.3	5836.8	3342.4	2157.5	1970.0	1970.0	1956.8	1964.2	1970.0	1984.7
7508.0	32.5°	6928.0	5757.7	2963.1	1931.9	1890.9	1876.3	1889.5	1904.1	1910.0	1929.0
8004.5	35°	7218.0	5702.0	2661.3	1808.9	1808.9	1789.9	1797.2	1794.2	1781.1	1772.3
8605.1	37.5°	7601.7	5699.1	2412.3	1751.8	1740.1	1737.1	1738.6	1719.5	1668.3	1606.8
9331.5	40°	8063.1	5778.2	2220.5	1712.2	1703.4	1721.0	1712.2	1661.0	1520.3	1413.4
10225.0	42.5°	8682.7	6003.8	2097.4	1663.9	1690.3	1712.2	1677.1	1499.8	1404.6	1332.9
11243.0	45°	9412.1	6369.9	2034.5	1612.6	1665.4	1691.7	1521.8	1444.2	1368.0	1281.6
12353.2	47.5°	10238.2	6831.3	2019.8	1564.3	1609.7	1625.8	1455.9	1420.8	1334.3	1240.6
13469.3	50°	11137.5	7377.7	2059.4	1507.2	1529.1	1473.5	1433.9	1401.7	1312.4	1220.1
14613.2	52.5°	12067.6	7979.6	2138.4	1429.5	1448.6	1387.1	1425.1	1397.3	1299.2	1174.7
15795.2	55°	12981.6	8586.0	2214.6	1338.7	1366.6	1309.4	1400.2	1379.7	1239.1	1098.5
17056.3	57.5°	13910.2	9189.5	2289.3	1258.2	1287.5	1234.7	1360.7	1332.9	1171.8	1028.2
18433.1	60°	14875.4	9775.4	2324.5	1180.5	1201.0	1165.9	1300.6	1252.3	1095.6	956.4
19786.5	62.5°	15779.1	10263.1	2267.3	1102.9	1116.1	1101.4	1221.6	1157.1	1019.4	875.9
21197.0	65°	16685.8	10553.1	2091.6	1026.7	1029.7	1022.4	1110.2	1054.6	930.1	805.6
22431.8	67.5°	17507.5	10715.7	1811.8	944.7	937.4	934.5	1006.2	943.3	843.7	735.3
23370.6	70°	17681.8	10302.6	1384.1	848.1	848.1	840.7	892.0	827.6	748.5	660.6
22698.3	72.5°	16149.7	8666.6	982.8	738.2	749.9	735.3	777.8	723.6	651.8	593.2
19562.4	75°	13022.6	6355.3	714.8	625.4	645.9	621.0	660.6	622.5	561.0	559.5
13481.0	77.5°	8947.8	3929.8	518.5	515.6	530.2	498.0	543.4	522.9	467.2	442.3
5867.6	80°	3818.5	1567.2	377.9	398.4	398.4	369.1	421.8	427.7	379.4	367.6
1132.2	82.5°	760.2	445.3	265.1	273.9	257.8	249.0	298.8	331.0	457.0	508.2
341.3	85°	228.5	164.0	159.7	149.4	131.8	133.3	175.8	332.5	410.1	234.4
112.8	87.5°	63.0	41.0	42.5	33.7	27.8	36.6	60.1	251.9	137.7	58.6
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>
5558.5
5381.3
4911.1
4148.0
3311.7
2775.6
2427.0
2323.0
2282.0
2188.2
2081.3
2024.2
1994.9
1945.1
1792.8
1608.2
1410.5
1329.9
1275.7
1233.3
1209.8
1165.9
1091.2
1025.3
952.0
874.4
796.8
726.5
657.6
575.6
503.9
414.5
367.6
509.7
202.1
49.8
0.0

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