

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: P943294

Luminaire Tested: **GALN-SB7C-950-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943294  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-950-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

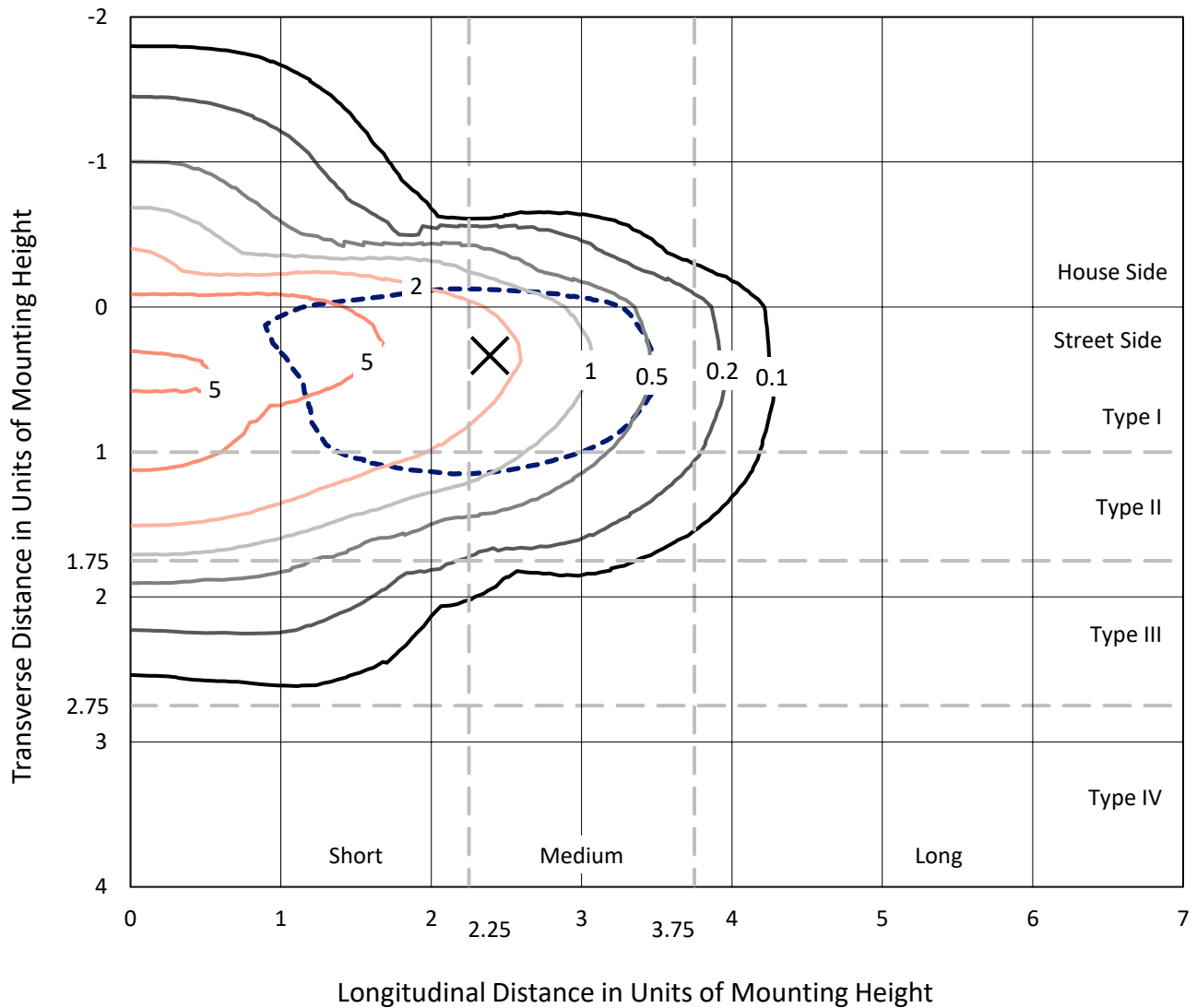
Lumens per Lamp: N/A  
Luminaire Lumens: 27055 lumens  
Efficiency: N/A  
Efficacy: 77.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

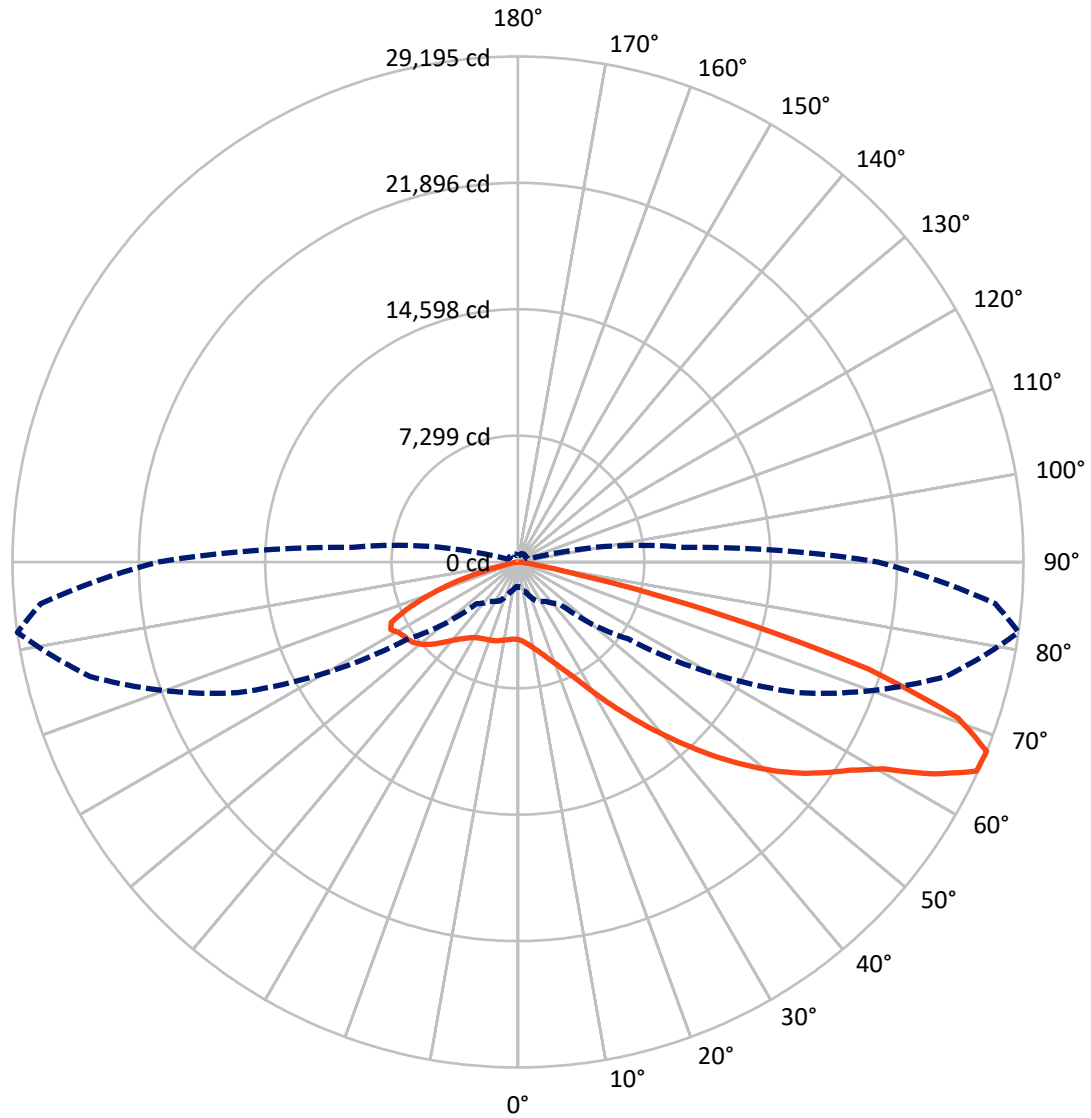
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4900.8	0.0	4900.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	22154.2	0.0	22154.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	27055.0	0.0	27055.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	399.3	1.5
10°-20°	1037.7	3.8
20°-30°	1662.0	6.1
30°-40°	2939.0	10.9
40°-50°	5149.4	19.0
50°-60°	6867.8	25.4
60°-70°	6393.6	23.6
70°-80°	2453.8	9.1
80°-90°	152.4	0.6
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°	27055.0	100.0
0°-180°	27055.0	100.0

**Coefficient of Utilization**



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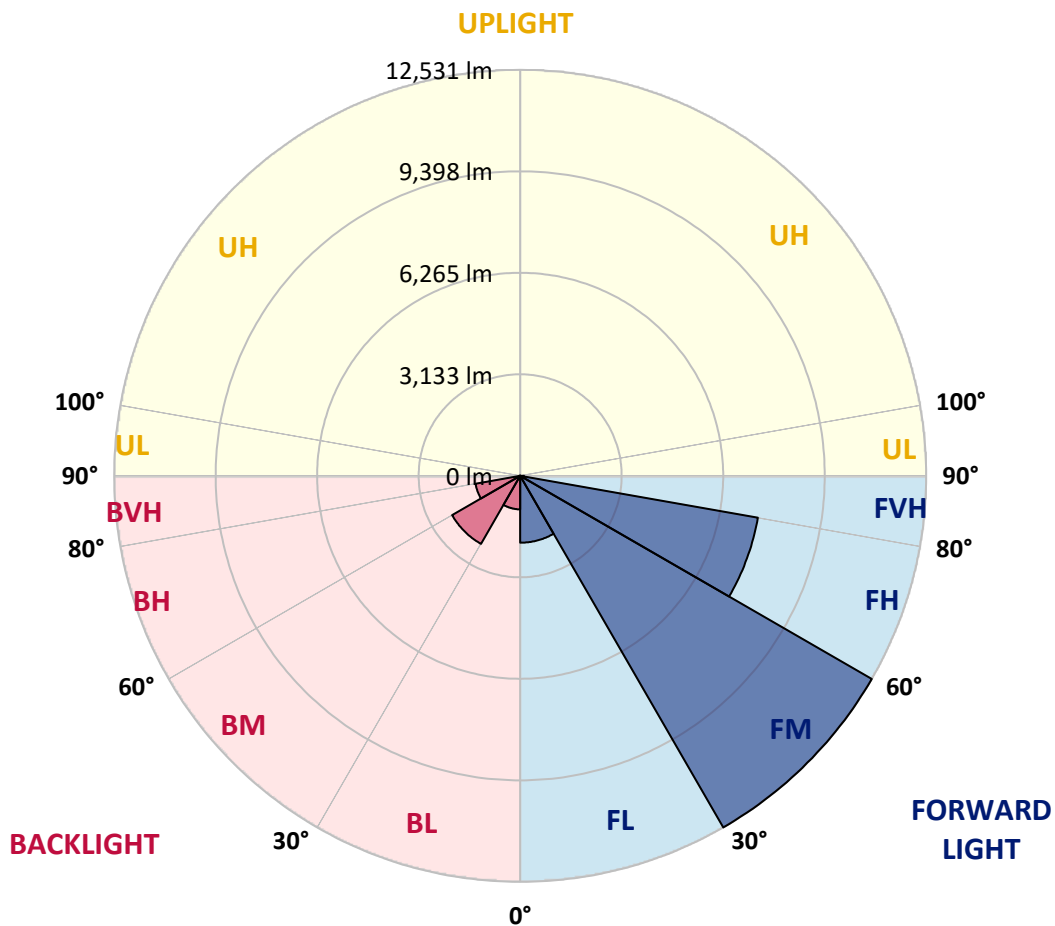
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2064.0	7.6			
FM (30°-60°)	12530.8	46.3			
FH (60°-80°)	7448.7	27.5			G3/7500
FVH (80°-90°)	110.8	0.4			G2/225
BL (0°-30°)	1035.0	3.8	B3/2500		
BM (30°-60°)	2425.4	9.0	B2/2500		
BH (60°-80°)	1398.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	41.6	0.2			G1/100
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°	4482.1	4482.1	4482.1	4482.1	4482.1	4482.1	4482.1	4482.1	4482.1	4482.1
2.5°	4737.3	4764.5	4749.0	4741.2	4727.5	4708.1	4692.5	4643.8	4593.1	4560.0
5°	4832.7	4860.0	4858.0	4865.8	4875.6	4881.4	4877.5	4823.0	4750.9	4694.4
7.5°	4750.9	4782.1	4807.4	4846.4	4914.5	4986.6	5021.7	5010.0	4936.0	4858.0
10°	4519.1	4552.2	4612.6	4704.2	4848.3	5004.1	5134.6	5195.0	5148.3	5062.6
12.5°	4094.5	4127.6	4246.4	4445.1	4686.6	4957.4	5206.7	5368.4	5380.1	5294.4
15°	3617.2	3650.3	3777.0	4026.3	4394.4	4828.8	5245.7	5551.5	5654.7	5580.7
17.5°	3321.2	3350.4	3445.8	3646.5	4030.2	4571.7	5232.0	5746.3	5982.0	5923.5
20°	3231.6	3256.9	3301.7	3441.9	3761.4	4304.8	5142.4	5929.4	6334.5	6301.4
22.5°	3327.0	3350.4	3364.0	3426.3	3627.0	4129.5	5029.5	6116.4	6743.6	6747.5
25°	3547.1	3570.5	3554.9	3593.9	3681.5	4075.0	4986.6	6336.5	7257.8	7300.7
27.5°	3909.4	3911.4	3874.4	3872.4	3886.0	4156.8	5031.4	6572.2	7906.5	7986.4
30°	4636.0	4606.8	4464.6	4310.7	4240.6	4402.2	5156.1	6850.7	8672.0	8814.2
32.5°	5756.0	5713.2	5452.1	5084.0	4713.9	4797.7	5380.1	7168.2	9505.7	9762.8
35°	6971.5	6959.8	6687.1	6139.8	5493.1	5360.6	5744.3	7585.1	10415.4	10824.4
37.5°	8101.3	8095.4	7939.6	7294.9	6507.9	6145.6	6328.7	8130.5	11389.3	11981.5
40°	9133.7	9151.2	8995.4	8418.8	7626.0	7152.7	7123.4	8804.5	12472.3	13241.8
42.5°	10025.8	10045.3	9887.5	9460.9	8730.4	8266.9	8099.3	9630.4	13530.1	14595.5
45°	10631.6	10752.4	10729.0	10388.1	9864.1	9383.0	9272.0	10666.7	14735.8	16031.1
47.5°	10803.0	10914.0	11089.3	11136.1	10816.6	10343.3	10475.8	11915.3	15955.2	17468.7
50°	10380.3	10483.6	10847.8	11332.8	11554.9	11408.8	11646.4	13253.5	17203.8	18902.3
52.5°	9546.6	9651.8	10111.5	10879.0	11784.7	12244.4	12821.0	14572.2	18413.4	20260.0
55°	8340.9	8451.9	9042.1	9910.9	11346.5	12589.2	13800.8	15888.9	19521.8	21481.3
57.5°	6700.7	6782.6	7396.1	8611.6	10244.0	12246.4	14523.5	17326.5	20565.8	22681.2
60°	4367.2	4439.2	5152.2	6507.9	8416.8	11101.0	14667.6	18929.6	21952.7	24241.5
62.5°	2904.3	2953.0	3375.7	4371.1	5927.4	8901.9	13824.2	20209.4	23986.3	26956.9
65°	1992.7	2041.4	2464.1	3157.5	3829.6	5888.5	11399.1	20039.9	25829.0	29113.2
67.5°	1422.0	1462.9	1821.3	2475.8	2771.8	3420.5	7727.3	17873.9	25564.1	29195.0
70°	1018.7	1042.1	1338.2	1928.4	2203.1	2055.0	4297.0	13670.3	22383.2	26958.8
72.5°	712.9	720.7	929.1	1468.7	1774.5	1499.9	2045.3	9114.2	16929.1	21159.9
75°	483.1	492.8	625.3	1077.2	1423.9	1145.4	1083.0	4887.3	9938.1	11712.7
77.5°	296.1	300.0	403.2	736.3	1065.5	872.7	697.3	2070.6	3845.1	3775.0
80°	167.5	167.5	257.1	457.8	726.6	562.9	488.9	880.4	1217.4	1069.4
82.5°	93.5	95.4	187.0	284.4	481.1	333.1	268.8	407.1	525.9	465.5
85°	39.0	42.9	114.9	134.4	229.9	165.6	109.1	171.4	194.8	173.4
87.5°	3.9	5.8	35.1	25.3	27.3	33.1	15.6	33.1	27.3	27.3
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°
4482.1	0°	4482.1	4482.1	4482.1	4482.1	4482.1	4482.1	4482.1	4482.1	4482.1	4482.1
4548.3	2.5°	4511.3	4482.1	4408.1	4322.4	4209.4	4154.9	4080.8	4030.2	3987.3	3991.2
4661.3	5°	4599.0	4525.0	4359.4	4152.9	3895.8	3712.7	3517.9	3383.5	3274.4	3251.0
4817.1	7.5°	4719.7	4602.9	4312.6	3940.6	3506.2	3177.0	2882.9	2693.9	2559.5	2516.7
5006.1	10°	4875.6	4706.1	4252.2	3673.7	3048.4	2629.7	2314.1	2166.1	2074.5	2043.3
5228.1	12.5°	5056.7	4824.9	4172.4	3348.4	2577.1	2173.8	1973.2	1899.2	1870.0	1860.2
5500.8	15°	5284.6	4973.0	4051.6	2962.7	2177.7	1895.3	1809.6	1799.9	1803.7	1799.9
5828.1	17.5°	5555.4	5134.6	3854.9	2565.4	1908.9	1753.1	1721.9	1729.7	1739.5	1737.5
6194.3	20°	5851.5	5294.4	3603.6	2212.8	1725.8	1651.8	1634.3	1642.1	1649.9	1646.0
6617.0	22.5°	6188.5	5465.8	3325.1	1938.2	1603.1	1558.3	1538.8	1540.8	1540.8	1533.0
7152.7	25°	6591.7	5654.7	3032.9	1743.4	1509.6	1474.6	1451.2	1443.4	1431.7	1408.3
7803.3	27.5°	7072.8	5855.4	2752.4	1607.0	1435.6	1402.5	1375.2	1355.7	1326.5	1287.6
8584.4	30°	7614.3	6098.8	2514.7	1521.3	1377.2	1344.0	1312.9	1283.7	1240.8	1192.1
9482.3	32.5°	8251.3	6359.9	2341.4	1464.8	1324.6	1289.5	1252.5	1217.4	1170.7	1122.0
10491.3	35°	9010.9	6675.4	2240.1	1425.9	1283.7	1236.9	1196.0	1157.0	1122.0	1079.1
11588.0	37.5°	9834.9	7010.5	2208.9	1406.4	1256.4	1184.3	1137.6	1110.3	1106.4	1081.1
12774.3	40°	10736.8	7407.8	2232.3	1394.7	1227.2	1133.7	1083.0	1077.2	1086.9	1042.1
14042.3	42.5°	11691.2	7879.2	2271.2	1381.1	1186.3	1083.0	1034.3	1034.3	1026.5	964.2
15382.5	45°	12723.6	8422.7	2310.2	1347.9	1137.6	1032.4	995.4	981.7	948.6	888.2
16730.4	47.5°	13763.8	8975.9	2339.4	1287.6	1079.1	989.5	956.4	925.2	876.6	822.0
18053.1	50°	14751.4	9472.6	2308.3	1198.0	1012.9	948.6	913.6	870.7	818.1	781.1
19305.6	52.5°	15633.8	9903.1	2175.8	1092.8	942.8	905.8	874.6	829.8	786.9	748.0
20435.3	55°	16401.2	10251.8	1942.0	993.4	880.4	868.8	837.6	781.1	722.7	689.6
21555.4	57.5°	17137.5	10516.7	1649.9	911.6	824.0	827.9	781.1	730.5	675.9	640.9
23065.0	60°	18117.3	10871.2	1353.8	835.6	763.6	775.3	724.6	687.6	619.4	574.6
25653.7	62.5°	19683.4	11422.4	1075.2	742.1	693.4	697.3	675.9	631.1	549.3	496.7
27572.4	65°	20926.2	11219.9	847.3	640.9	613.6	619.4	619.4	570.7	483.1	422.7
27675.6	67.5°	20785.9	9607.0	675.9	541.5	537.6	541.5	555.1	514.2	428.5	379.8
25568.0	70°	19147.8	7641.6	541.5	450.0	467.5	457.8	496.7	469.4	385.7	337.0
19821.7	72.5°	15624.0	5504.7	413.0	372.0	358.4	374.0	448.0	422.7	321.4	266.9
10499.1	75°	9129.8	2937.4	307.8	294.1	259.1	311.7	397.4	360.4	245.4	196.7
3217.9	77.5°	2972.5	1024.6	226.0	216.2	192.8	251.3	338.9	303.9	200.6	155.8
942.8	80°	796.7	309.7	153.9	142.2	124.7	187.0	268.8	241.5	144.1	101.3
405.2	82.5°	319.5	130.5	89.6	79.9	68.2	128.6	212.3	194.8	107.1	64.3
126.6	85°	103.2	42.9	33.1	25.3	31.2	79.9	126.6	132.5	76.0	33.1
19.5	87.5°	13.6	5.8	5.8	7.8	5.8	13.6	39.0	37.0	21.4	3.9
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>
4482.1
3952.3
3198.4
2473.8
2020.0
1854.4
1797.9
1733.6
1644.0
1529.1
1404.4
1283.7
1188.2
1123.9
1075.2
1079.1
1044.1
964.2
886.3
820.1
775.3
744.1
685.7
637.0
568.8
492.8
416.8
372.0
331.1
261.0
190.9
150.0
99.3
64.3
25.3
0.0
0.0

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