

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: P948847

Luminaire Tested: **GALN-SB3D-740-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948847  
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-SB3D-740-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

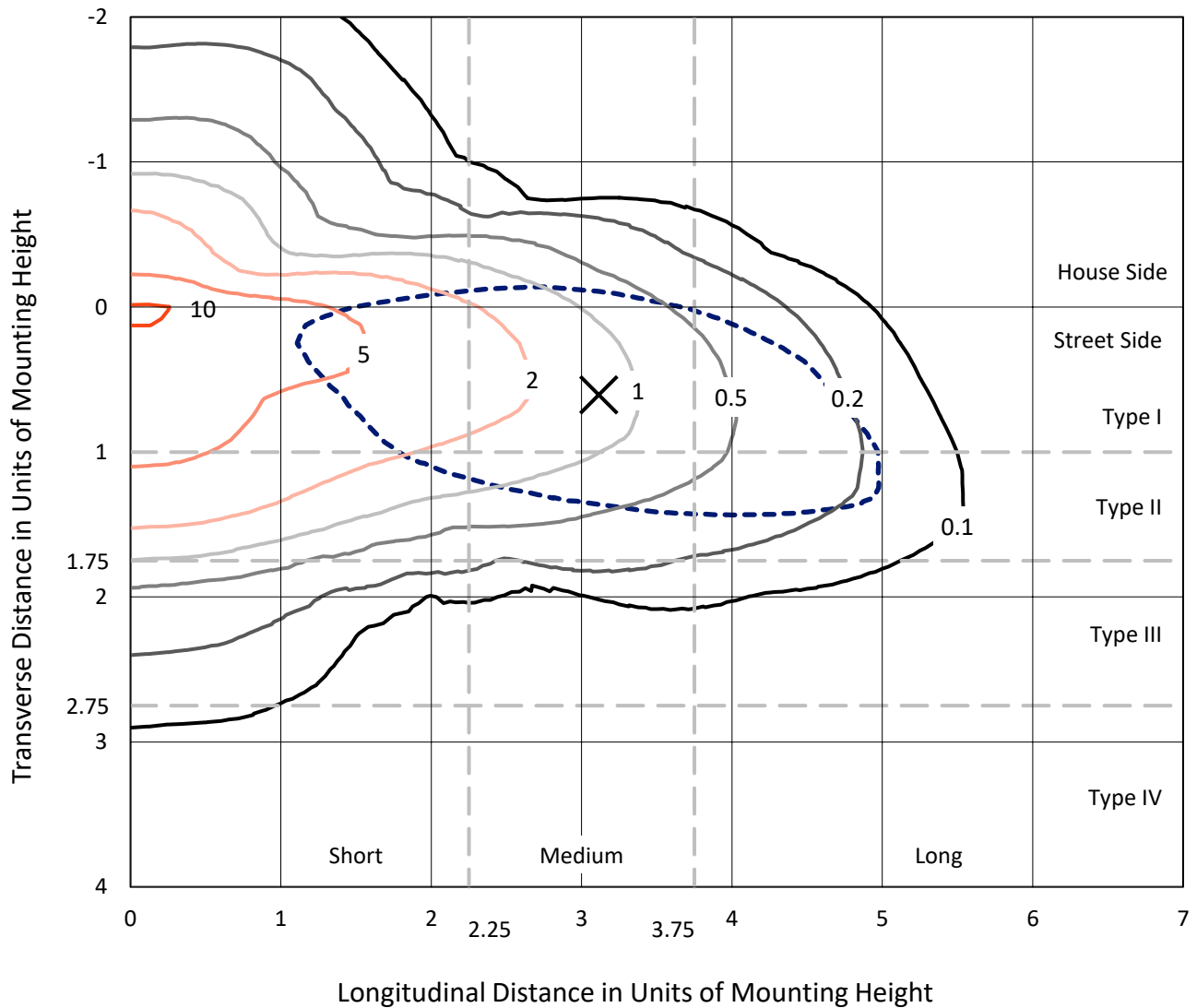
Lumens per Lamp: N/A  
Luminaire Lumens: 32106 lumens  
Efficiency: N/A  
Efficacy: 147.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

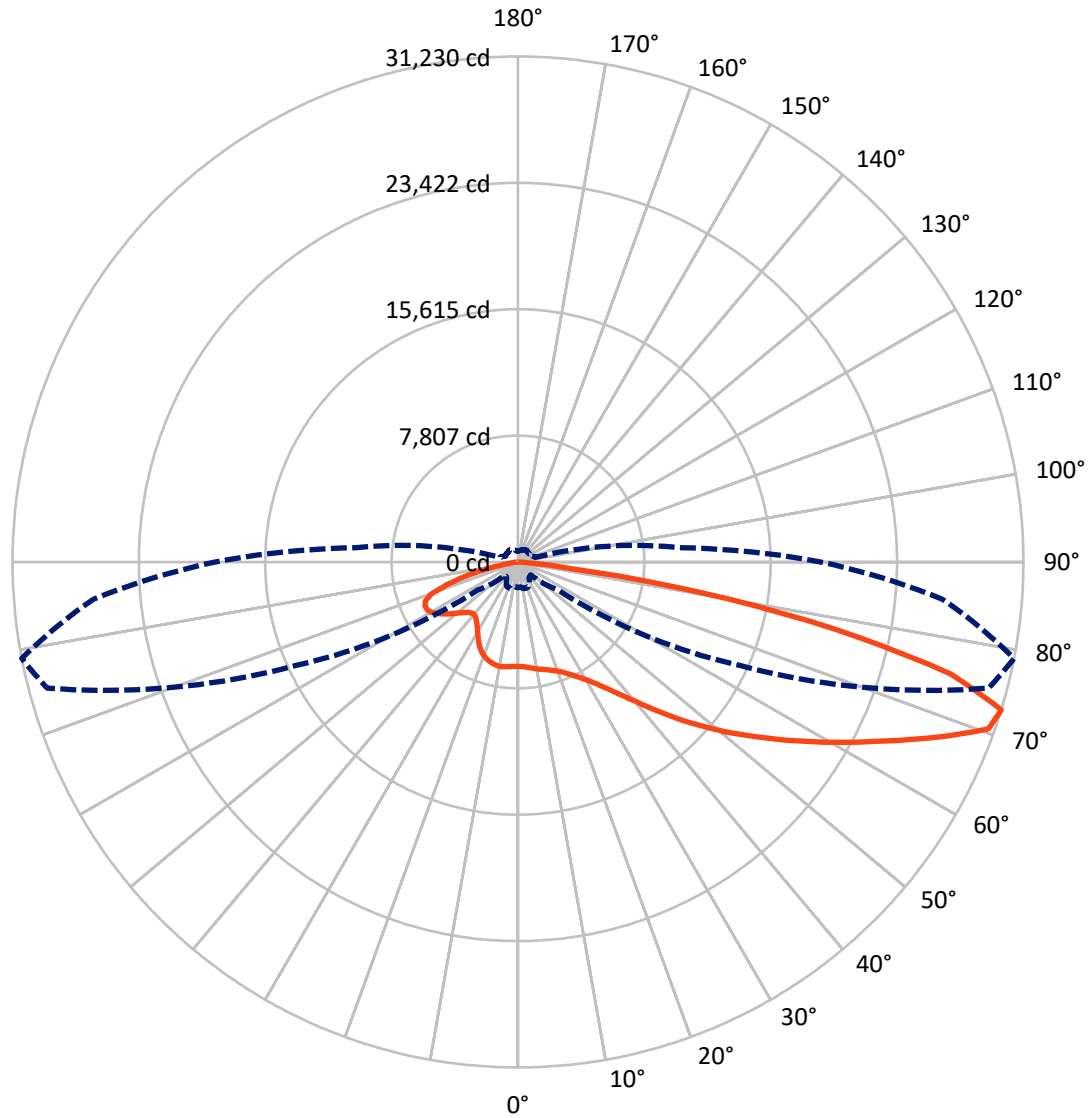
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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	7065.1	0.0	7065.1
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	25040.9	0.0	25040.9
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	32106.0	0.0	32106.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	585.0	1.8
10°-20°	1529.5	4.8
20°-30°	2468.0	7.7
30°-40°	3704.2	11.5
40°-50°	5254.6	16.4
50°-60°	6635.8	20.7
60°-70°	6739.6	21.0
70°-80°	4593.3	14.3
80°-90°	595.9	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°	32106.0	100.0
0°-180°	32106.0	100.0

**Coefficient of Utilization**



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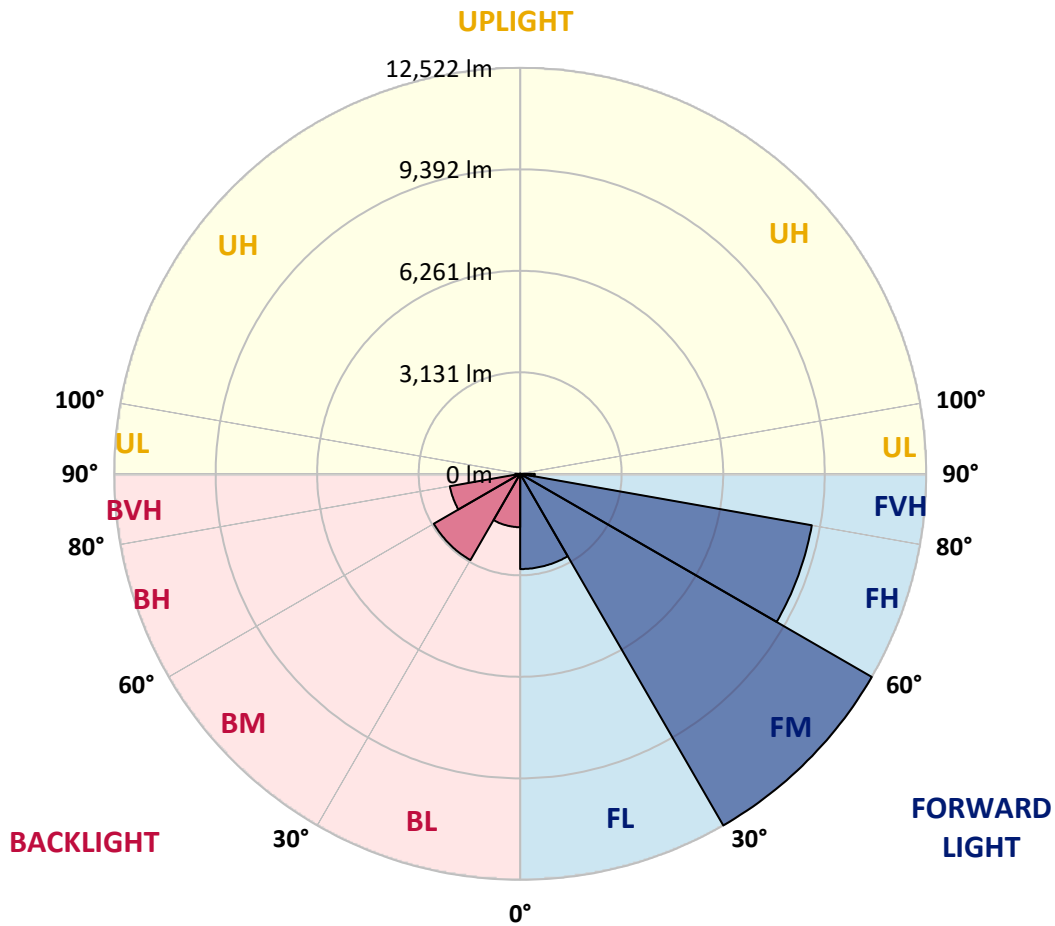
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2936.9	9.1			
FM (30°-60°)	12522.0	39.0			
FH (60°-80°)	9133.1	28.4			G4/12000
FVH (80°-90°)	448.9	1.4			G3/500
BL (0°-30°)	1645.7	5.1	B3/2500		
BM (30°-60°)	3072.6	9.6	B3/5000		
BH (60°-80°)	2199.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	147.0	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°	6445.0	6445.0	6445.0	6445.0	6445.0	6445.0	6445.0	6445.0	6445.0	6445.0
2.5°	6448.4	6417.8	6436.5	6429.7	6438.2	6448.4	6451.8	6456.9	6473.8	6472.1
5°	6434.8	6404.2	6429.7	6421.2	6443.3	6467.1	6487.4	6506.1	6533.3	6545.2
7.5°	6405.9	6385.5	6411.0	6436.5	6477.2	6512.9	6541.8	6584.2	6623.3	6630.1
10°	6237.8	6222.5	6281.9	6348.2	6460.3	6557.1	6619.9	6669.1	6711.6	6718.4
12.5°	6062.9	6044.2	6110.4	6200.4	6382.1	6557.1	6689.5	6754.1	6791.4	6813.5
15°	6034.0	6018.7	6056.1	6134.2	6285.3	6511.2	6737.1	6856.0	6888.2	6913.7
17.5°	6173.2	6144.4	6159.7	6186.8	6275.1	6468.8	6774.4	6971.4	7020.7	7047.9
20°	6495.9	6455.2	6431.4	6377.0	6361.8	6475.5	6771.0	7110.7	7175.2	7209.2
22.5°	6925.6	6898.4	6847.5	6709.9	6560.5	6558.8	6835.6	7289.0	7409.6	7441.9
25°	7445.3	7404.5	7340.0	7153.2	6866.1	6723.5	6944.3	7516.6	7718.7	7727.2
27.5°	8043.1	7981.9	7893.6	7647.4	7260.1	6981.6	7110.7	7778.1	8073.6	8070.2
30°	8673.1	8612.0	8518.6	8219.7	7732.3	7329.8	7341.7	8060.0	8494.8	8476.1
32.5°	9133.4	9087.5	9068.8	8837.9	8275.7	7740.8	7606.6	8372.5	9014.5	8997.5
35°	9486.6	9427.2	9449.2	9332.1	8868.4	8201.0	7931.0	8744.4	9646.2	9644.5
37.5°	9836.4	9783.8	9802.5	9724.4	9417.0	8785.2	8326.7	9199.6	10429.1	10466.5
40°	10155.7	10099.7	10174.4	10101.4	9843.2	9406.8	8776.7	9714.2	11336.0	11407.3
42.5°	10347.6	10303.5	10427.4	10429.1	10213.5	9931.5	9270.9	10281.4	12385.6	12545.2
45°	10413.9	10398.6	10585.4	10624.4	10541.2	10235.5	9715.9	10899.6	13516.6	13801.9
47.5°	10342.5	10313.7	10571.8	10716.1	10782.4	10378.2	10084.4	11568.7	14671.4	15089.2
50°	9982.5	9926.4	10310.3	10614.3	10850.3	10471.6	10456.3	12341.4	15984.2	16441.1
52.5°	9335.4	9293.0	9729.4	10257.6	10700.9	10517.5	10874.1	13185.4	17230.8	17821.8
55°	8508.4	8452.3	8933.0	9622.5	10328.9	10502.2	11291.9	14129.7	18701.5	19301.0
57.5°	7197.3	7085.2	7693.2	8508.4	9722.7	10483.5	11726.6	15068.8	20196.0	20914.3
60°	5285.0	5118.6	5864.2	6830.5	8537.3	10301.8	12265.0	16121.8	21989.3	22636.4
62.5°	3077.3	2980.5	3467.9	4369.7	6434.8	9231.9	12567.3	17346.2	23752.2	24431.5
65°	2389.5	2362.3	2404.8	2474.4	3581.7	6912.0	11634.9	18540.1	25993.9	26469.4
67.5°	2185.7	2165.3	2184.0	2053.2	1817.2	3850.0	9204.7	18842.4	28395.2	28684.0
70°	1942.8	1919.1	1980.2	1868.1	1430.0	1750.9	5947.4	17745.3	30305.8	30847.6
72.5°	1582.8	1555.6	1698.3	1647.3	1204.1	1124.3	2987.3	15138.5	30105.4	31229.7
75°	1216.0	1200.7	1370.5	1413.0	981.6	884.8	1433.3	11252.8	26493.2	27625.9
77.5°	944.2	932.4	1019.0	1173.5	791.4	686.1	881.4	7137.9	19965.0	20163.7
80°	708.2	674.2	754.0	908.6	616.5	501.0	597.8	4162.5	12619.9	11439.6
82.5°	443.3	426.3	492.5	606.3	434.8	344.8	388.9	2299.5	5057.5	2978.8
85°	253.0	246.3	268.3	346.4	236.1	198.7	222.5	1015.6	923.9	635.2
87.5°	101.9	98.5	122.3	154.5	86.6	73.0	78.1	244.6	203.8	188.5
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°
6445.0	0°	6445.0	6445.0	6445.0	6445.0	6445.0	6445.0	6445.0	6445.0	6445.0	6445.0
6470.4	2.5°	6463.7	6463.7	6439.9	6402.5	6360.1	6332.9	6288.7	6276.8	6231.0	6217.4
6528.2	5°	6541.8	6528.2	6455.2	6349.9	6205.5	6073.1	5927.0	5835.3	5706.2	5660.4
6642.0	7.5°	6640.3	6602.9	6477.2	6246.3	5944.0	5646.8	5337.7	5103.3	4879.2	4799.3
6735.4	10°	6730.3	6677.6	6463.7	6059.5	5536.4	5021.8	4529.3	4184.6	3923.0	3816.0
6839.0	12.5°	6820.3	6723.5	6373.6	5748.7	4957.3	4259.3	3734.5	3466.2	3304.9	3175.8
6923.9	15°	6905.2	6769.3	6234.4	5332.6	4322.1	3613.9	3226.7	3012.7	2883.7	2798.8
7047.9	17.5°	7003.7	6808.4	6025.5	4804.4	3717.5	3167.3	2851.4	2722.3	2696.9	2686.7
7217.7	20°	7141.3	6844.1	5750.4	4213.4	3272.6	2810.7	2647.6	2635.7	2634.0	2628.9
7421.5	22.5°	7289.0	6886.5	5386.9	3676.8	2893.9	2588.2	2559.3	2535.5	2520.2	2518.5
7667.7	25°	7463.9	6900.1	4931.8	3236.9	2571.2	2482.9	2448.9	2413.3	2403.1	2403.1
7948.0	27.5°	7633.8	6854.3	4401.9	2854.8	2389.5	2386.1	2341.9	2330.0	2328.3	2333.4
8267.2	30°	7803.6	6767.6	3875.5	2501.6	2284.2	2284.2	2268.9	2277.4	2284.2	2301.2
8705.4	32.5°	8032.9	6675.9	3435.6	2240.0	2192.5	2175.5	2190.8	2207.8	2214.6	2236.6
9281.1	35°	8369.1	6611.4	3085.8	2097.4	2097.4	2075.3	2083.8	2080.4	2065.1	2054.9
9977.4	37.5°	8814.1	6608.0	2797.1	2031.1	2017.6	2014.2	2015.9	1993.8	1934.3	1863.0
10819.7	40°	9349.0	6699.7	2574.6	1985.3	1975.1	1995.5	1985.3	1925.9	1762.8	1638.8
11855.7	42.5°	10067.4	6961.3	2431.9	1929.2	1959.8	1985.3	1944.5	1739.0	1628.7	1545.4
13036.0	45°	10913.2	7385.8	2358.9	1869.8	1930.9	1961.5	1764.5	1674.5	1586.2	1486.0
14323.3	47.5°	11871.0	7920.8	2341.9	1813.8	1866.4	1885.1	1688.1	1647.3	1547.1	1438.4
15617.4	50°	12913.7	8554.2	2387.8	1747.5	1773.0	1708.5	1662.6	1625.3	1521.7	1414.7
16943.7	52.5°	13992.1	9252.2	2479.5	1657.5	1679.6	1608.3	1652.4	1620.2	1506.4	1362.0
18314.3	55°	15051.9	9955.3	2567.8	1552.2	1584.5	1518.3	1623.6	1599.8	1436.7	1273.7
19776.5	57.5°	16128.6	10655.0	2654.4	1458.8	1492.8	1431.7	1577.7	1545.4	1358.6	1192.2
21372.9	60°	17247.7	11334.3	2695.2	1368.8	1392.6	1351.8	1508.1	1452.0	1270.3	1109.0
22942.1	62.5°	18295.6	11899.9	2628.9	1278.8	1294.1	1277.1	1416.4	1341.6	1182.0	1015.6
24577.5	65°	19346.8	12236.1	2425.1	1190.5	1193.9	1185.4	1287.3	1222.8	1078.4	934.1
26009.2	67.5°	20299.5	12424.6	2100.8	1095.4	1086.9	1083.5	1166.7	1093.7	978.2	852.5
27097.8	70°	20501.6	11945.7	1604.9	983.3	983.3	974.8	1034.3	959.5	867.8	765.9
26318.3	72.5°	18725.2	10048.7	1139.5	855.9	869.5	852.5	901.8	839.0	755.7	687.8
22682.2	75°	15099.4	7368.8	828.8	725.2	748.9	720.1	765.9	721.8	650.4	648.7
15631.0	77.5°	10374.8	4556.5	601.2	597.8	614.8	577.4	630.1	606.3	541.8	512.9
6803.3	80°	4427.4	1817.2	438.2	461.9	461.9	428.0	489.1	495.9	439.9	426.3
1312.8	82.5°	881.4	516.3	307.4	317.6	298.9	288.7	346.4	383.8	529.9	589.3
395.7	85°	264.9	190.2	185.1	173.2	152.8	154.5	203.8	385.5	475.5	271.7
130.8	87.5°	73.0	47.6	49.3	39.1	32.3	42.5	69.6	292.1	159.6	67.9
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>
6445.0
6239.5
5694.3
4809.5
3839.8
3218.2
2814.1
2693.5
2645.9
2537.2
2413.3
2347.0
2313.1
2255.3
2078.7
1864.7
1635.4
1542.0
1479.2
1430.0
1402.8
1351.8
1265.2
1188.8
1103.9
1013.9
923.9
842.3
762.5
667.4
584.2
480.6
426.3
591.0
234.4
57.7
0.0

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