

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: P952767

Luminaire Tested: **GALN-SB6C-735-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952767  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-735-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

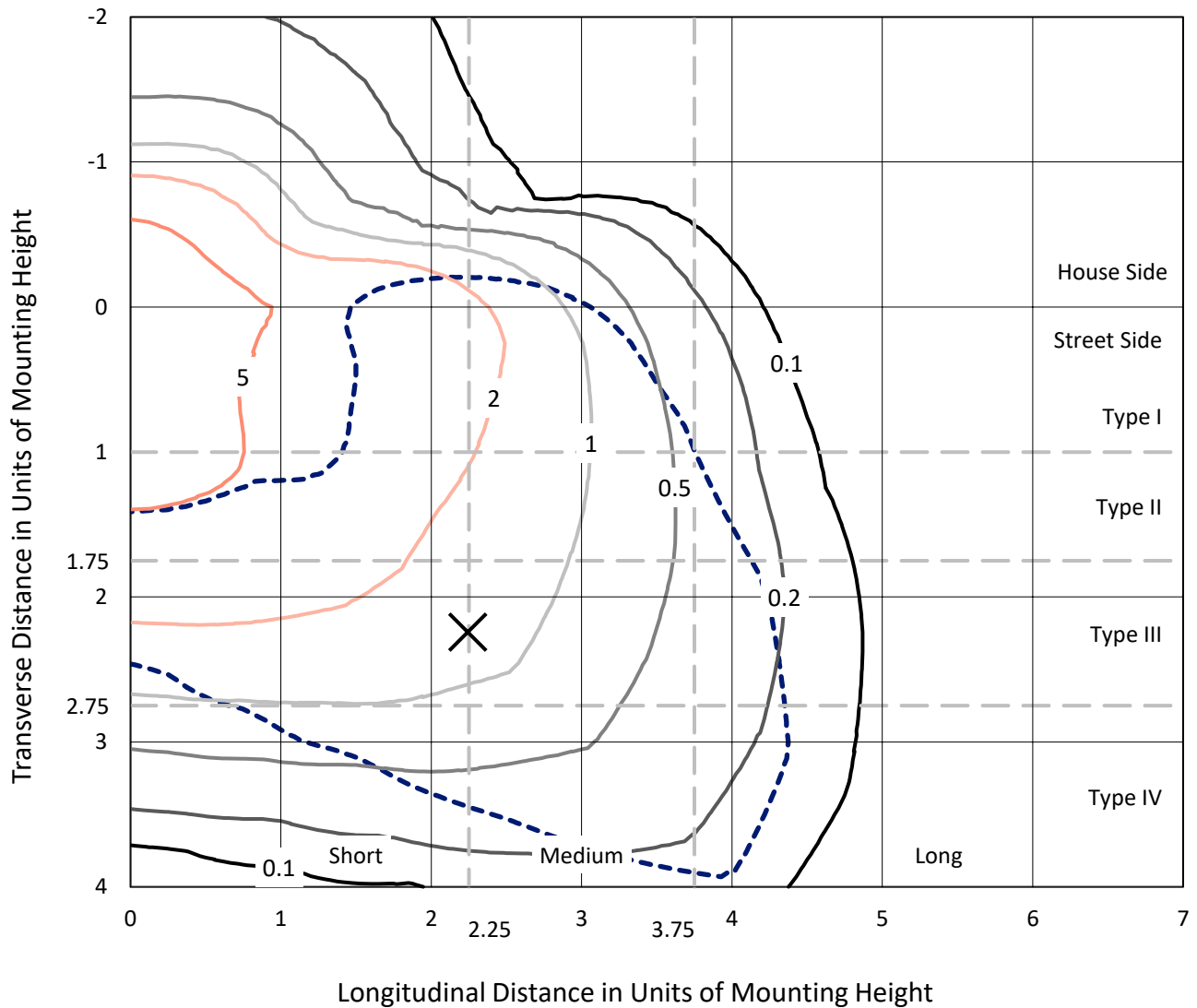
Lumens per Lamp: N/A  
Luminaire Lumens: 45326 lumens  
Efficiency: N/A  
Efficacy: 150.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

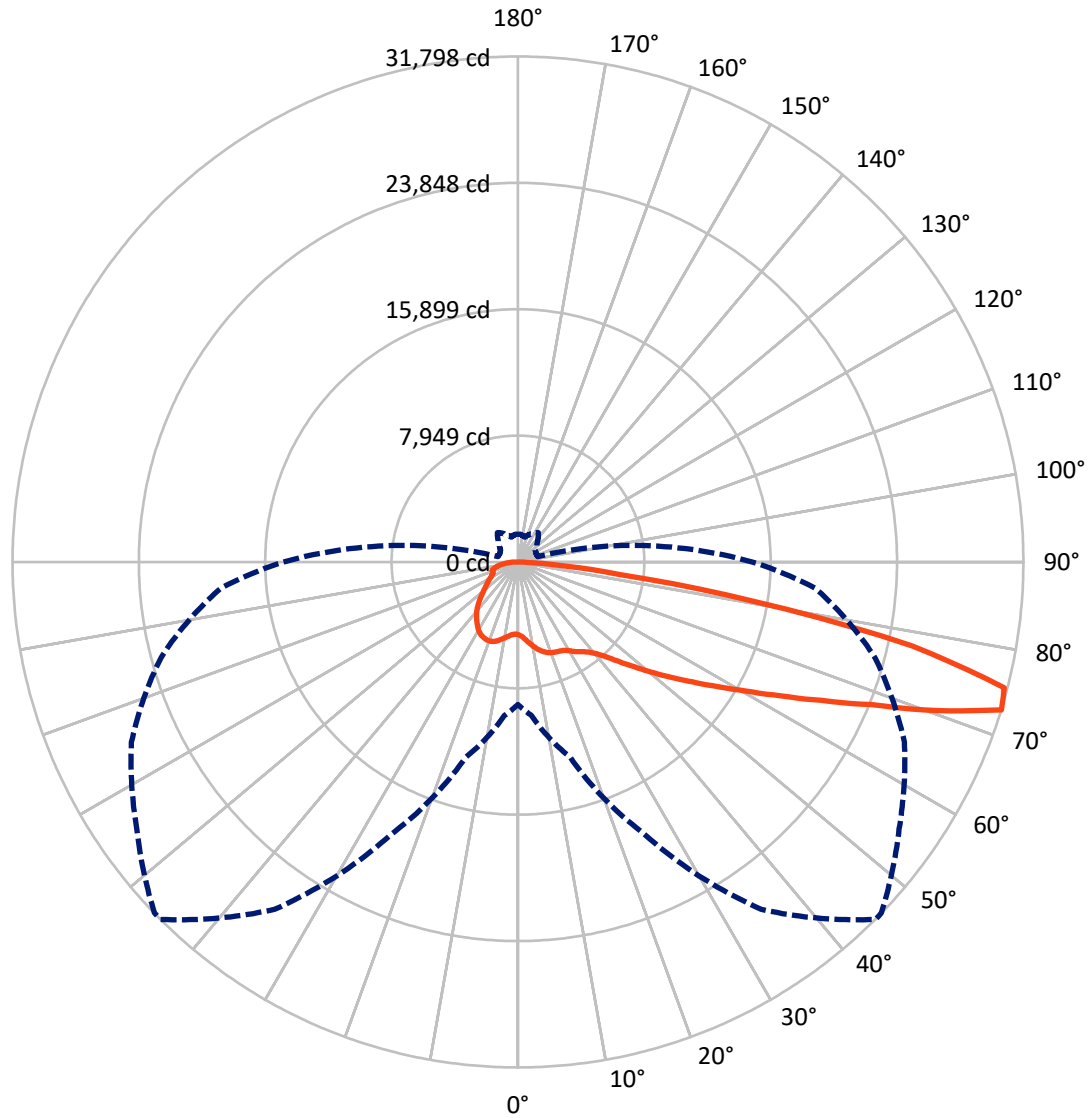
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10246.6	0.0	10246.6
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	35079.4	0.0	35079.4
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	45326.0	0.0	45326.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	465.4	1.0
10°-20°	1551.7	3.4
20°-30°	2699.2	6.0
30°-40°	3869.5	8.5
40°-50°	5448.5	12.0
50°-60°	8345.5	18.4
60°-70°	12089.6	26.7
70°-80°	9654.3	21.3
80°-90°	1202.4	2.7
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°	45326.0	100.0
0°-180°	45326.0	100.0



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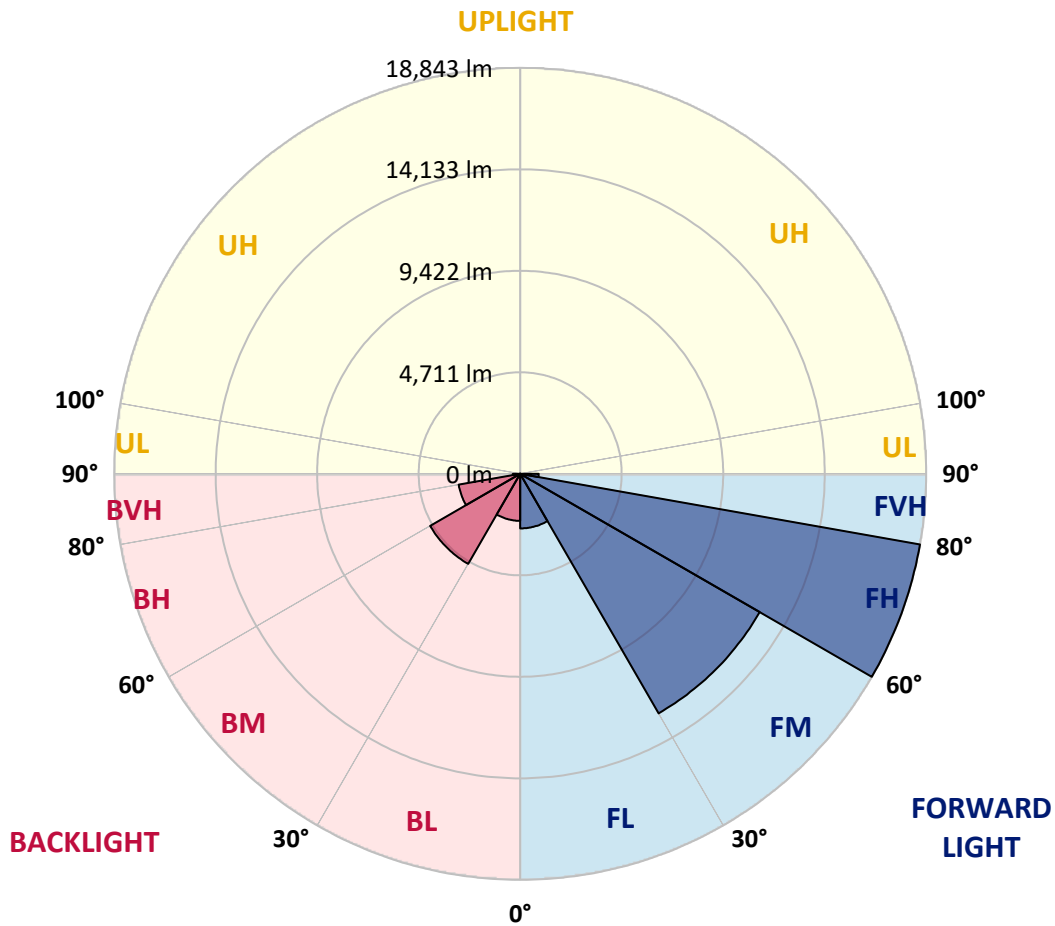
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2534.7	5.6			
FM (30°-60°)	12838.7	28.3			
FH (60°-80°)	18843.3	41.6			G5
FVH (80°-90°)	862.6	1.9			G5
BL (0°-30°)	2181.6	4.8	B3/2500		
BM (30°-60°)	4824.7	10.6	B3/5000		
BH (60°-80°)	2900.6	6.4	B4/5000		G4/5000
BVH (80°-90°)	339.8	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	4572.5	4572.5	4572.5	4572.5	4572.5	4572.5	4572.5	4572.5	4572.5	4572.5
2.5°	4751.6	4782.6	4754.0	4727.7	4715.8	4684.7	4682.3	4663.2	4651.3	4617.9
5°	5083.5	5124.1	5076.3	5023.8	4976.0	4899.6	4890.1	4835.2	4773.1	4701.4
7.5°	5458.4	5494.2	5439.3	5360.5	5276.9	5150.3	5148.0	5047.7	4949.8	4828.0
10°	5785.5	5833.2	5759.2	5651.8	5546.7	5403.4	5386.7	5272.1	5148.0	4990.4
12.5°	6074.4	6107.8	6036.2	5904.9	5783.1	5639.8	5618.3	5491.8	5353.3	5174.2
15°	6303.6	6346.6	6251.1	6110.2	5981.3	5840.4	5821.3	5706.7	5568.2	5379.6
17.5°	6454.0	6489.9	6392.0	6234.4	6110.2	5993.2	5978.9	5883.4	5761.6	5570.6
20°	6511.4	6549.6	6446.9	6286.9	6172.3	6081.6	6074.4	6005.2	5921.6	5747.3
22.5°	6568.7	6604.5	6470.8	6303.6	6203.3	6146.0	6143.6	6098.3	6064.8	5921.6
25°	6800.3	6809.8	6630.7	6389.6	6246.3	6196.2	6193.8	6191.4	6205.7	6093.5
27.5°	7000.8	6998.4	6845.6	6618.8	6396.7	6291.7	6289.3	6313.2	6358.5	6265.4
30°	7294.5	7268.3	7086.8	6850.4	6647.5	6485.1	6470.8	6449.3	6485.1	6411.1
32.5°	7917.7	7834.2	7540.5	7120.2	6855.2	6731.0	6711.9	6578.2	6592.5	6547.2
35°	8810.7	8700.9	8309.3	7631.2	7113.1	6936.4	6926.8	6757.3	6728.6	6688.0
37.5°	9873.3	9737.2	9281.1	8371.4	7557.2	7175.1	7160.8	7008.0	6891.0	6848.0
40°	10940.6	10768.7	10391.4	9274.0	8211.4	7573.9	7528.5	7296.9	7163.2	7091.6
42.5°	11976.9	11833.6	11511.3	10286.4	9018.5	8156.5	8056.2	7659.9	7559.6	7492.7
45°	12893.8	12764.8	12528.4	11368.0	9964.0	8949.2	8851.3	8204.3	8173.2	8173.2
47.5°	13638.7	13610.1	13359.4	12471.1	11079.1	9851.8	9682.3	8961.2	9044.7	9173.7
50°	14464.9	14386.1	14118.7	13557.6	12390.0	10885.7	10747.2	9890.0	10202.8	10556.2
52.5°	15224.2	15267.2	14968.7	14689.3	13870.3	12039.0	11795.4	10986.0	11661.7	12246.7
55°	16005.0	16007.4	15923.8	15885.6	15422.4	13314.0	13046.6	12304.0	13378.5	14104.3
57.5°	16738.0	16742.8	16867.0	17203.6	17222.7	14784.9	14481.6	13922.9	15286.3	16026.5
60°	17392.3	17425.7	17764.7	18552.7	18805.8	16470.6	16184.1	15835.5	17258.5	18003.5
62.5°	17611.9	17733.7	18488.2	19608.1	20369.8	18538.4	18256.6	18048.9	19331.1	20023.5
65°	17239.4	17518.8	18977.7	20479.6	21979.1	20995.3	20716.0	20489.1	21484.8	22136.7
67.5°	16324.9	16685.5	18949.1	21394.1	23932.3	23951.4	23691.1	23158.6	23793.8	24044.5
70°	13915.7	14455.3	17280.0	21735.5	26174.3	27993.8	27743.1	26372.5	26097.9	24885.0
72.5°	8965.9	9691.8	12724.2	18925.2	26673.4	31797.5	31783.1	29273.6	26826.2	23251.8
75°	3271.2	3715.3	5912.0	11879.0	22389.8	31604.1	31697.2	28777.0	24488.6	17960.5
77.5°	1191.5	1303.7	1929.3	4565.3	13770.1	25357.7	25551.1	23005.8	17430.5	9013.7
80°	625.6	687.7	988.5	1771.7	5900.1	15059.4	15362.7	13672.2	8192.3	2714.9
82.5°	346.2	374.9	554.0	962.3	2657.5	6439.7	6621.2	5401.1	2882.0	1150.9
85°	186.2	198.2	260.3	525.3	1298.9	2232.5	2282.7	1614.1	1148.5	675.7
87.5°	54.9	66.9	86.0	167.1	508.6	501.4	513.4	320.0	453.7	341.4
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°
4572.5	0°	4572.5	4572.5	4572.5	4572.5	4572.5	4572.5	4572.5	4572.5	4572.5	4572.5
4608.3	2.5°	4594.0	4586.8	4560.6	4548.6	4534.3	4531.9	4543.9	4546.2	4548.6	4551.0
4660.9	5°	4637.0	4613.1	4589.2	4574.9	4579.7	4582.1	4605.9	4622.7	4634.6	4644.1
4758.8	7.5°	4720.6	4701.4	4660.9	4658.5	4665.6	4687.1	4718.2	4756.4	4777.9	4794.6
4885.3	10°	4844.7	4808.9	4761.1	4768.3	4782.6	4813.7	4878.1	4909.2	4945.0	4976.0
5040.5	12.5°	4971.3	4940.2	4885.3	4890.1	4914.0	4968.9	5031.0	5069.2	5093.0	5116.9
5207.6	15°	5136.0	5081.1	5021.4	5021.4	5064.4	5124.1	5152.7	5183.8	5198.1	5224.4
5386.7	17.5°	5305.5	5233.9	5155.1	5150.3	5202.9	5231.5	5248.2	5253.0	5257.8	5286.4
5561.0	20°	5475.1	5396.3	5284.1	5274.5	5286.4	5281.7	5279.3	5274.5	5281.7	5317.5
5740.1	22.5°	5642.2	5551.5	5396.3	5353.3	5319.9	5274.5	5272.1	5269.7	5274.5	5310.3
5933.5	25°	5838.0	5728.2	5520.4	5391.5	5279.3	5217.2	5224.4	5226.8	5231.5	5260.2
6134.1	27.5°	6050.5	5928.7	5635.1	5379.6	5176.6	5133.6	5121.7	5128.9	5145.6	5190.9
6334.7	30°	6263.0	6119.8	5740.1	5331.8	5047.7	4988.0	4949.8	4966.5	5019.0	5064.4
6509.0	32.5°	6456.4	6313.2	5823.7	5226.8	4882.9	4789.8	4739.7	4761.1	4813.7	4830.4
6702.4	35°	6683.3	6520.9	5859.5	5059.6	4703.8	4560.6	4493.7	4462.7	4488.9	4472.2
6929.2	37.5°	6936.4	6766.8	5854.7	4839.9	4493.7	4329.0	4235.8	4118.8	4063.9	4006.6
7263.5	40°	7311.2	7067.7	5797.4	4574.9	4233.5	4083.0	3915.9	3717.7	3593.5	3481.3
7803.1	42.5°	7822.2	7485.5	5692.4	4283.6	3939.8	3798.9	3572.1	3340.4	3144.6	2958.4
8622.1	45°	8583.9	8032.3	5561.0	3973.2	3622.2	3483.7	3237.8	2977.5	2755.4	2516.7
9784.9	47.5°	9682.3	8767.8	5436.9	3619.8	3287.9	3161.4	2939.3	2698.1	2435.5	2203.9
11465.9	50°	11191.3	9823.1	5322.3	3276.0	2958.4	2862.9	2686.2	2440.3	2175.2	1989.0
13435.8	52.5°	13111.0	11258.2	5274.5	2944.1	2650.4	2614.6	2473.7	2244.5	1993.8	1836.2
15732.8	55°	15314.9	12974.9	5274.5	2626.5	2380.6	2392.5	2294.6	2082.1	1864.8	1723.9
18101.4	57.5°	17564.2	14713.2	5179.0	2332.8	2151.3	2201.5	2139.4	1953.2	1757.4	1611.7
20591.8	60°	19636.7	16169.7	4792.2	2065.4	1948.4	2027.2	1986.6	1826.6	1587.8	1466.1
22673.9	62.5°	21229.3	16991.1	4047.2	1852.9	1781.2	1872.0	1850.5	1659.5	1556.8	1506.7
24383.5	65°	22026.8	16857.4	3094.5	1664.3	1640.4	1781.2	1735.9	1728.7	1647.5	1590.2
24939.9	67.5°	21537.4	15706.5	2244.5	1525.8	1559.2	1697.7	1872.0	1900.6	1750.2	1638.0
23373.5	70°	19390.8	13624.4	1671.4	1394.4	1456.5	1700.1	2134.6	1989.0	1716.8	1585.5
18746.1	72.5°	14751.4	10159.8	1296.5	1255.9	1322.8	1712.0	2251.6	1948.4	1621.3	1752.6
11678.4	75°	8435.9	5577.7	1041.1	1086.4	1155.7	1599.8	2191.9	1843.3	1547.3	1609.3
4627.4	77.5°	3216.3	2144.2	859.6	919.3	928.8	1396.8	2096.4	1836.2	1473.2	1437.4
1387.3	80°	1115.1	838.1	711.5	730.6	718.7	1241.6	2010.5	1597.4	1205.8	1079.3
573.1	82.5°	456.1	417.9	563.5	539.6	511.0	964.6	1623.7	1306.1	986.1	871.5
277.0	85°	198.2	265.0	372.5	327.1	296.1	668.6	1301.3	1105.5	833.3	718.7
90.7	87.5°	40.6	100.3	157.6	148.0	152.8	446.5	924.1	785.6	589.8	441.7
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°  
4572.5  
4560.6  
4648.9  
4799.3  
4968.9  
5126.5  
5233.9  
5296.0  
5331.8  
5334.2  
5298.4  
5236.3  
5114.5  
4890.1  
4524.8  
4042.4  
3488.5  
2941.7  
2488.0  
2177.6  
1977.0  
1824.2  
1709.6  
1587.8  
1447.0  
1489.9  
1571.1  
1618.9  
1564.0  
**1738.3**  
1609.3  
1310.9  
1043.4  
862.0  
716.3  
346.2  
0.0

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