

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: P954181

Luminaire Tested: **GALN-SB7C-735-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954181  
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-SB7C-735-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

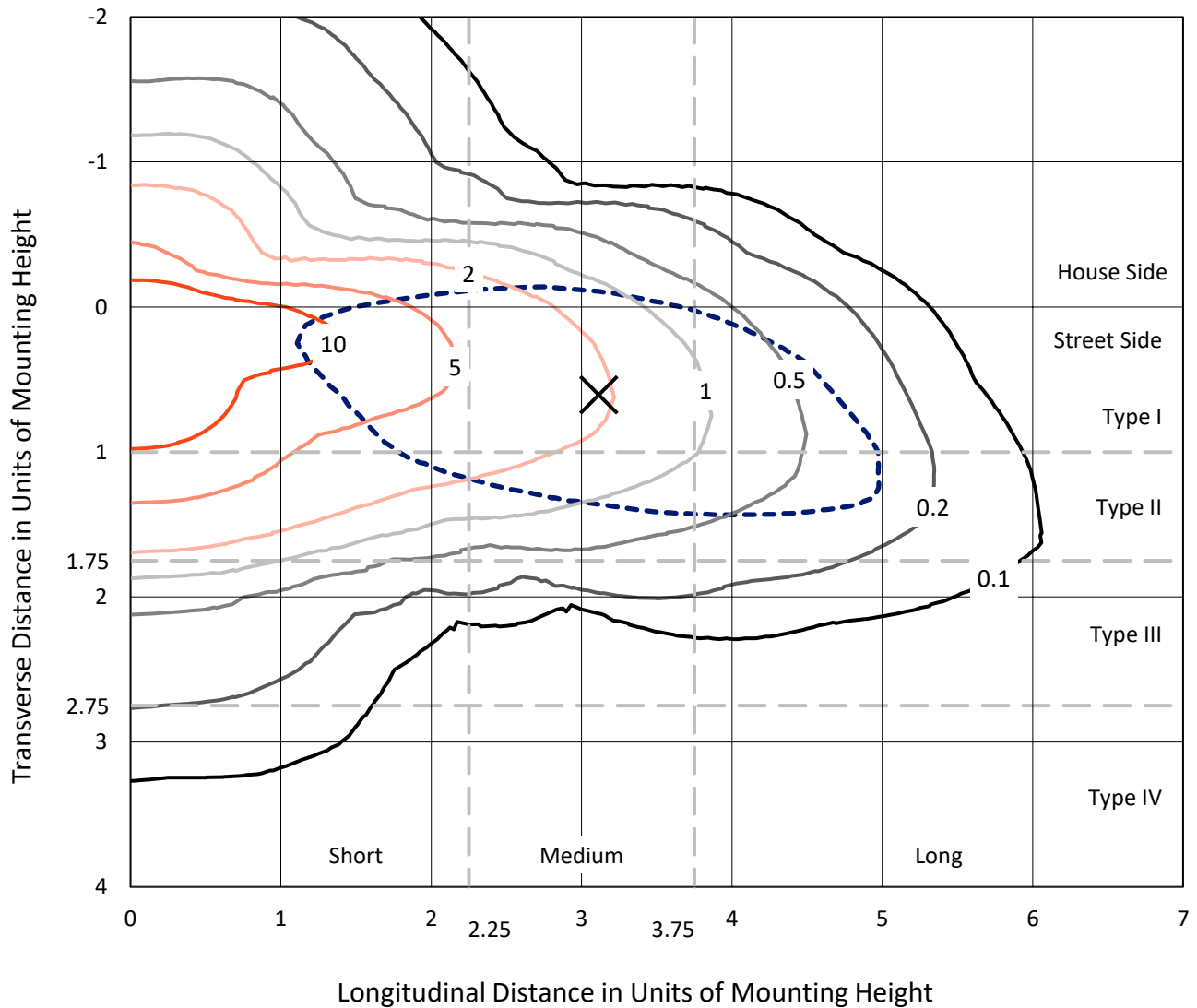
Lumens per Lamp: N/A  
Luminaire Lumens: 52938 lumens  
Efficiency: N/A  
Efficacy: 151.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

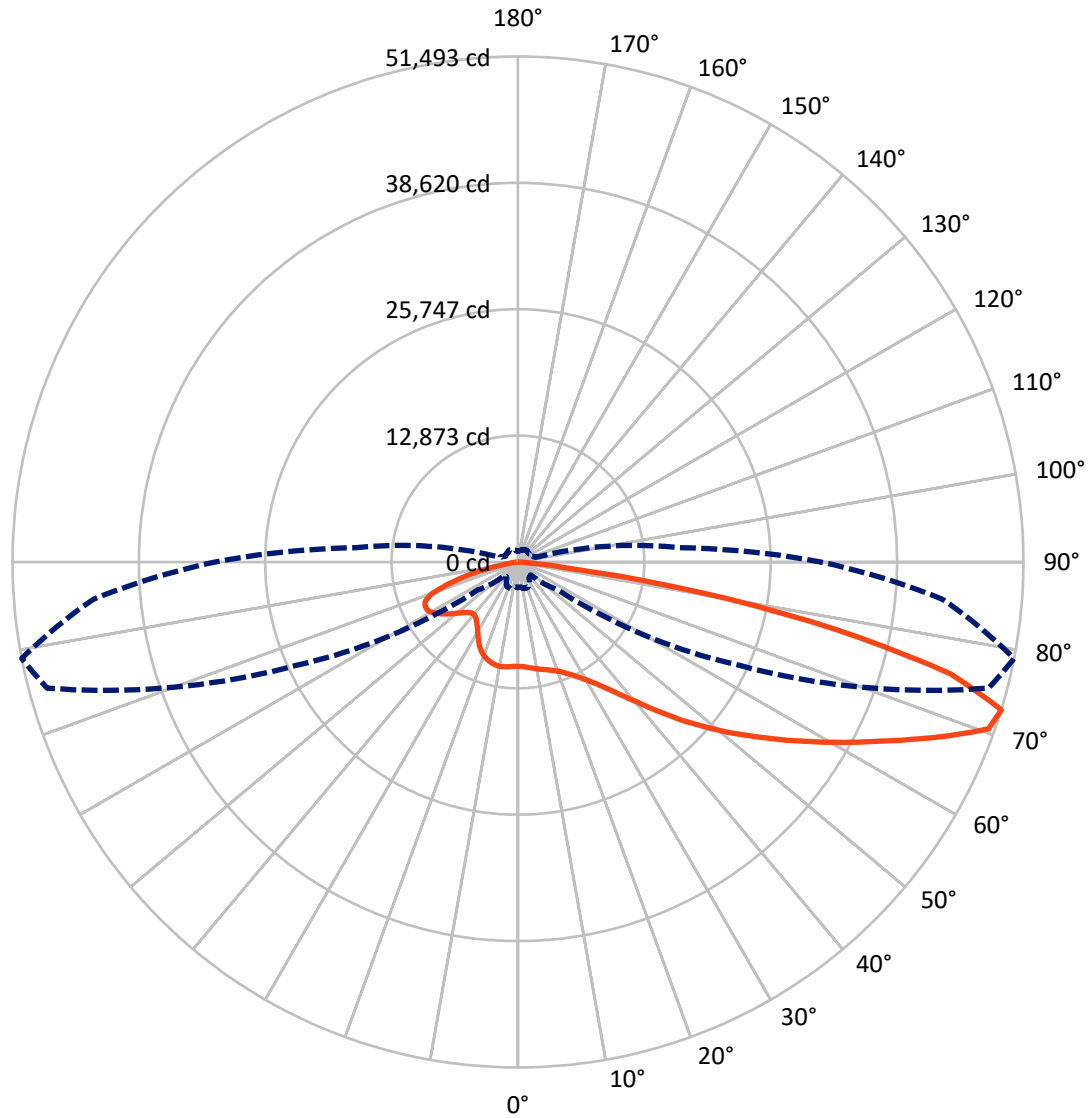
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 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	11649.3	0.0	11649.3
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	41288.7	0.0	41288.7
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	52938.0	0.0	52938.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	964.6	1.8
10°-20°	2522.0	4.8
20°-30°	4069.4	7.7
30°-40°	6107.6	11.5
40°-50°	8664.0	16.4
50°-60°	10941.5	20.7
60°-70°	11112.6	21.0
70°-80°	7573.7	14.3
80°-90°	982.6	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°	52938.0	100.0
0°-180°	52938.0	100.0

**Coefficient of Utilization**

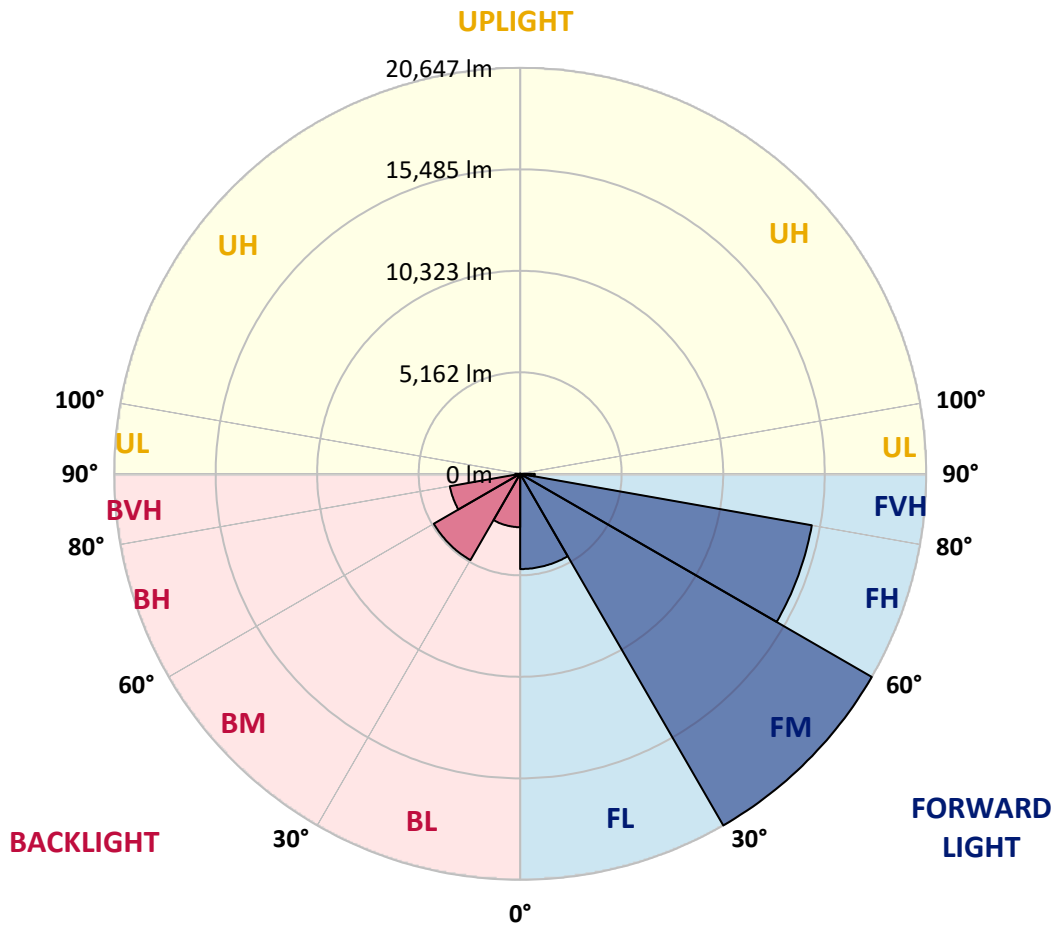


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4842.5	9.1			
FM (30°-60°)	20646.9	39.0			
FH (60°-80°)	15059.1	28.4			G5
FVH (80°-90°)	740.2	1.4			G4/750
BL (0°-30°)	2713.5	5.1	B4/5000		
BM (30°-60°)	5066.2	9.6	B4/8500		
BH (60°-80°)	3627.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	242.4	0.5			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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	10626.8	10626.8	10626.8	10626.8	10626.8	10626.8	10626.8	10626.8	10626.8	10626.8
2.5°	10632.4	10582.0	10612.8	10601.6	10615.6	10632.4	10638.0	10646.4	10674.4	10671.6
5°	10610.0	10559.6	10601.6	10587.6	10624.0	10663.2	10696.8	10727.6	10772.4	10792.0
7.5°	10562.4	10528.8	10570.8	10612.8	10680.0	10738.8	10786.4	10856.4	10920.8	10932.0
10°	10285.2	10260.0	10358.0	10467.2	10652.0	10811.6	10915.2	10996.4	11066.4	11077.6
12.5°	9996.8	9966.0	10075.2	10223.6	10523.2	10811.6	11030.0	11136.4	11198.0	11234.4
15°	9949.1	9923.9	9985.6	10114.4	10363.6	10736.0	11108.4	11304.5	11357.7	11399.7
17.5°	10178.8	10131.2	10156.4	10201.2	10346.8	10666.0	11170.0	11494.9	11576.1	11620.9
20°	10710.8	10643.6	10604.4	10514.8	10489.6	10677.2	11164.4	11724.5	11830.9	11886.9
22.5°	11419.3	11374.5	11290.5	11063.6	10817.2	10814.4	11270.8	12018.5	12217.3	12270.5
25°	12276.1	12208.9	12102.5	11794.5	11321.3	11086.0	11450.1	12393.7	12727.0	12741.0
27.5°	13261.8	13161.0	13015.4	12609.3	11970.9	11511.7	11724.5	12825.0	13312.2	13306.6
30°	14300.7	14199.9	14045.9	13553.0	12749.4	12085.7	12105.3	13289.8	14006.7	13975.9
32.5°	15059.5	14983.9	14953.1	14572.3	13645.4	12763.4	12542.1	13805.0	14863.5	14835.5
35°	15642.0	15544.0	15580.4	15387.2	14622.7	13522.2	13077.0	14418.3	15905.2	15902.4
37.5°	16218.8	16132.0	16162.8	16034.0	15527.2	14485.5	13729.4	15168.7	17196.1	17257.7
40°	16745.3	16652.9	16776.1	16655.7	16230.0	15510.4	14471.5	16017.2	18691.4	18809.0
42.5°	17061.7	16988.9	17193.3	17196.1	16840.5	16375.6	15286.4	16952.5	20421.9	20685.2
45°	17170.9	17145.7	17453.7	17518.1	17380.9	16876.9	16020.0	17971.8	22286.9	22757.3
47.5°	17053.3	17005.7	17431.3	17669.3	17778.5	17112.1	16627.7	19075.0	24191.0	24879.9
50°	16459.6	16367.2	17000.1	17501.3	17890.5	17266.1	17240.9	20349.1	26355.6	27108.8
52.5°	15392.8	15322.8	16042.4	16913.3	17644.1	17341.7	17929.8	21740.8	28410.9	29385.4
55°	14029.1	13936.6	14729.1	15866.0	17030.9	17316.5	18618.6	23297.8	30835.9	31824.4
57.5°	11867.3	11682.5	12685.0	14029.1	16031.2	17285.7	19335.5	24846.3	33300.1	34484.6
60°	8714.3	8439.8	9669.1	11262.4	14076.7	16986.1	20223.1	26582.4	36257.1	37324.0
62.5°	5074.0	4914.4	5718.0	7204.9	10610.0	15221.9	20721.6	28601.4	39163.7	40283.8
65°	3939.9	3895.1	3965.1	4079.9	5905.6	11396.9	19184.2	30569.9	42860.0	43644.1
67.5°	3603.9	3570.3	3601.1	3385.5	2996.2	6348.1	15177.1	31068.3	46819.5	47295.6
70°	3203.4	3164.2	3265.0	3080.2	2357.8	2887.0	9806.3	29259.4	49969.8	50863.0
72.5°	2609.8	2565.0	2800.2	2716.2	1985.3	1853.7	4925.6	24961.1	49639.3	51493.1
75°	2005.0	1979.7	2259.8	2329.8	1618.5	1458.9	2363.4	18554.2	43683.3	45551.0
77.5°	1556.9	1537.3	1680.1	1934.9	1304.9	1131.3	1453.3	11769.3	32919.3	33246.9
80°	1167.7	1111.7	1243.3	1498.1	1016.5	826.1	985.7	6863.3	20808.4	18862.2
82.5°	730.9	702.9	812.1	999.7	716.9	568.4	641.2	3791.5	8339.0	4911.6
85°	417.2	406.0	442.4	571.2	389.2	327.6	366.8	1674.5	1523.3	1047.3
87.5°	168.0	162.4	201.6	254.8	142.8	120.4	128.8	403.2	336.0	310.8
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°
10626.8	0°	10626.8	10626.8	10626.8	10626.8	10626.8	10626.8	10626.8	10626.8	10626.8	10626.8
10668.8	2.5°	10657.6	10657.6	10618.4	10556.8	10486.8	10442.0	10369.2	10349.6	10274.0	10251.6
10764.0	5°	10786.4	10764.0	10643.6	10470.0	10232.0	10013.6	9772.7	9621.5	9408.7	9333.1
10951.6	7.5°	10948.8	10887.2	10680.0	10299.2	9800.7	9310.7	8801.1	8414.6	8045.0	7913.4
11105.6	10°	11097.2	11010.4	10657.6	9991.2	9128.7	8280.2	7468.2	6899.7	6468.5	6292.1
11276.4	12.5°	11245.6	11086.0	10509.2	9478.7	8173.8	7022.9	6157.7	5715.2	5449.2	5236.4
11416.5	15°	11385.7	11161.6	10279.6	8792.7	7126.5	5958.8	5320.4	4967.6	4754.8	4614.7
11620.9	17.5°	11548.1	11226.0	9935.1	7921.8	6129.7	5222.4	4701.6	4488.7	4446.7	4429.9
11900.9	20°	11774.9	11284.8	9481.5	6947.3	5396.0	4634.3	4365.5	4345.9	4343.1	4334.7
12236.9	22.5°	12018.5	11354.9	8882.3	6062.5	4771.6	4267.5	4219.9	4180.7	4155.5	4152.7
12643.0	25°	12306.9	11377.3	8131.8	5337.2	4239.5	4093.9	4037.9	3979.1	3962.3	3962.3
13105.0	27.5°	12586.9	11301.7	7258.1	4707.2	3939.9	3934.3	3861.5	3841.9	3839.1	3847.5
13631.4	30°	12867.0	11158.8	6390.1	4124.7	3766.3	3766.3	3741.1	3755.1	3766.3	3794.3
14353.9	32.5°	13245.0	11007.6	5664.8	3693.5	3615.1	3587.1	3612.3	3640.3	3651.5	3687.9
15303.2	35°	13799.4	10901.2	5088.0	3458.3	3458.3	3421.9	3435.9	3430.3	3405.1	3388.3
16451.2	37.5°	14533.1	10895.6	4611.9	3349.1	3326.7	3321.1	3323.9	3287.4	3189.4	3071.8
17840.1	40°	15415.2	11046.8	4245.1	3273.4	3256.6	3290.2	3273.4	3175.4	2906.6	2702.2
19548.3	42.5°	16599.6	11478.1	4009.9	3181.0	3231.4	3273.4	3206.2	2867.4	2685.4	2548.2
21494.4	45°	17994.2	12178.1	3889.5	3083.0	3183.8	3234.2	2909.4	2761.0	2615.4	2450.2
23617.0	47.5°	19573.5	13060.2	3861.5	2990.6	3077.4	3108.2	2783.4	2716.2	2551.0	2371.8
25750.7	50°	21292.8	14104.7	3937.1	2881.4	2923.4	2817.0	2741.4	2679.8	2509.0	2332.6
27937.7	52.5°	23070.9	15255.5	4088.3	2733.0	2769.4	2651.8	2724.6	2671.4	2483.8	2245.8
30197.5	55°	24818.3	16414.8	4233.9	2559.4	2612.6	2503.4	2677.0	2637.8	2369.0	2100.2
32608.5	57.5°	26593.6	17568.5	4376.7	2405.4	2461.4	2360.6	2601.4	2548.2	2240.2	1965.7
35240.7	60°	28438.9	18688.6	4443.9	2257.0	2296.2	2229.0	2486.6	2394.2	2094.6	1828.5
37828.0	62.5°	30166.7	19621.1	4334.7	2108.6	2133.8	2105.8	2335.4	2212.2	1948.9	1674.5
40524.7	65°	31900.0	20175.5	3998.7	1962.9	1968.5	1954.5	2122.6	2016.2	1778.1	1540.1
42885.2	67.5°	33470.9	20486.3	3463.9	1806.1	1792.1	1786.5	1923.7	1803.3	1612.9	1405.7
44680.2	70°	33804.1	19696.7	2646.2	1621.3	1621.3	1607.3	1705.3	1582.1	1430.9	1262.9
43394.9	72.5°	30875.1	16568.8	1878.9	1411.3	1433.7	1405.7	1486.9	1383.3	1246.1	1134.1
37399.6	75°	24896.7	12150.1	1366.5	1195.7	1234.9	1187.3	1262.9	1190.1	1072.5	1069.7
25773.1	77.5°	17106.5	7513.0	991.3	985.7	1013.7	952.1	1038.9	999.7	893.3	845.7
11217.6	80°	7300.1	2996.2	722.5	761.7	761.7	705.7	806.5	817.7	725.3	702.9
2164.6	82.5°	1453.3	851.3	506.8	523.6	492.8	476.0	571.2	632.8	873.7	971.7
652.4	85°	436.8	313.6	305.2	285.6	252.0	254.8	336.0	635.6	784.1	448.0
215.6	87.5°	120.4	78.4	81.2	64.4	53.2	70.0	114.8	481.6	263.2	112.0
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°  
10626.8  
10288.0  
9389.1  
7930.2  
6331.3  
5306.4  
4639.9  
4441.1  
4362.7  
4183.5  
3979.1  
3869.9  
3813.9  
3718.7  
3427.5  
3074.6  
2696.6  
2542.6  
2439.0  
2357.8  
2313.0  
2229.0  
2086.2  
1960.1  
1820.1  
1671.7  
1523.3  
1388.9  
1257.3  
*1100.5*  
963.3  
792.5  
702.9  
974.5  
386.4  
95.2  
0.0

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