

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: P952782

Luminaire Tested: **GALN-SB6C-740-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-740-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48938 lumens
Efficiency: N/A
Efficacy: 162.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

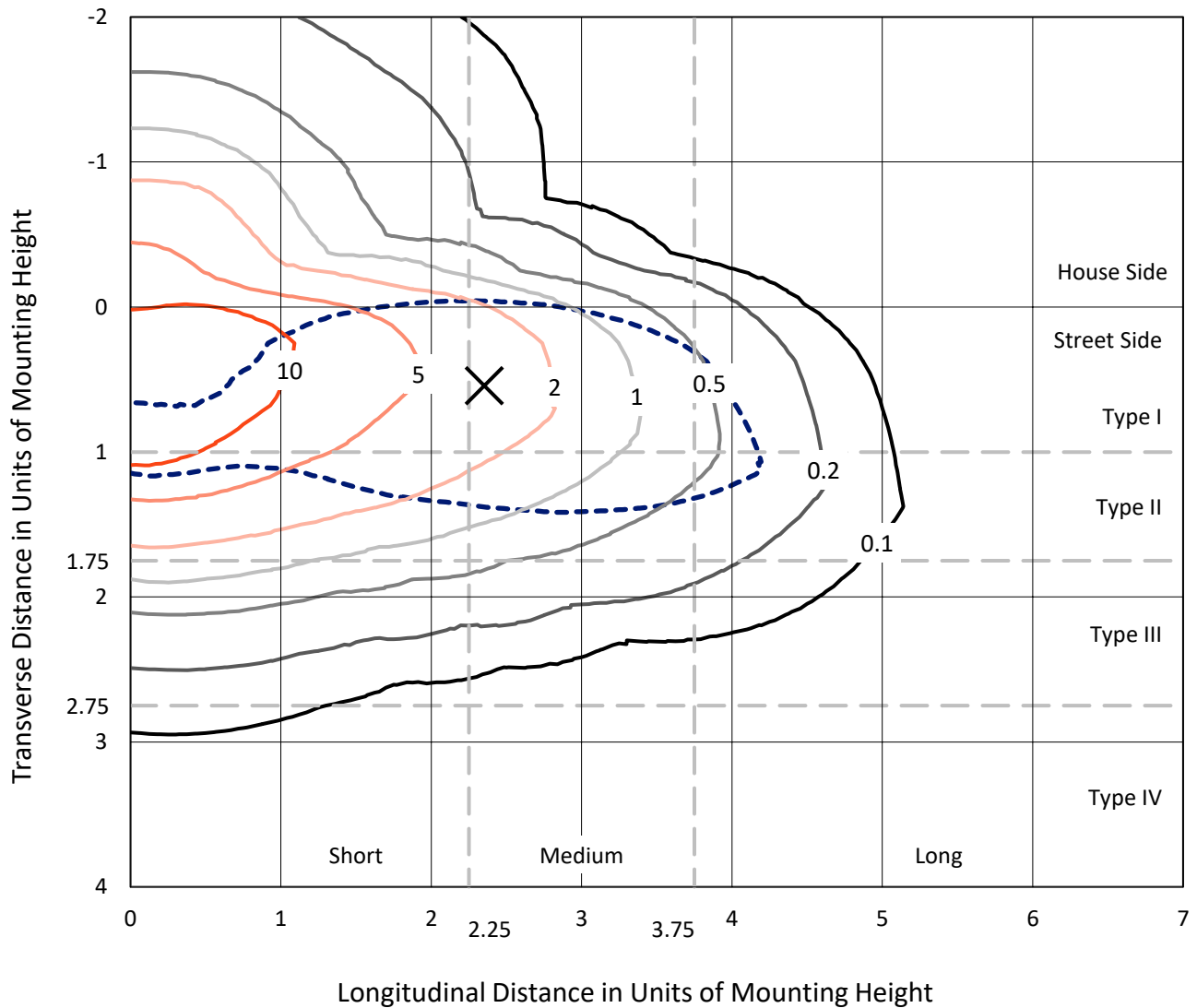
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

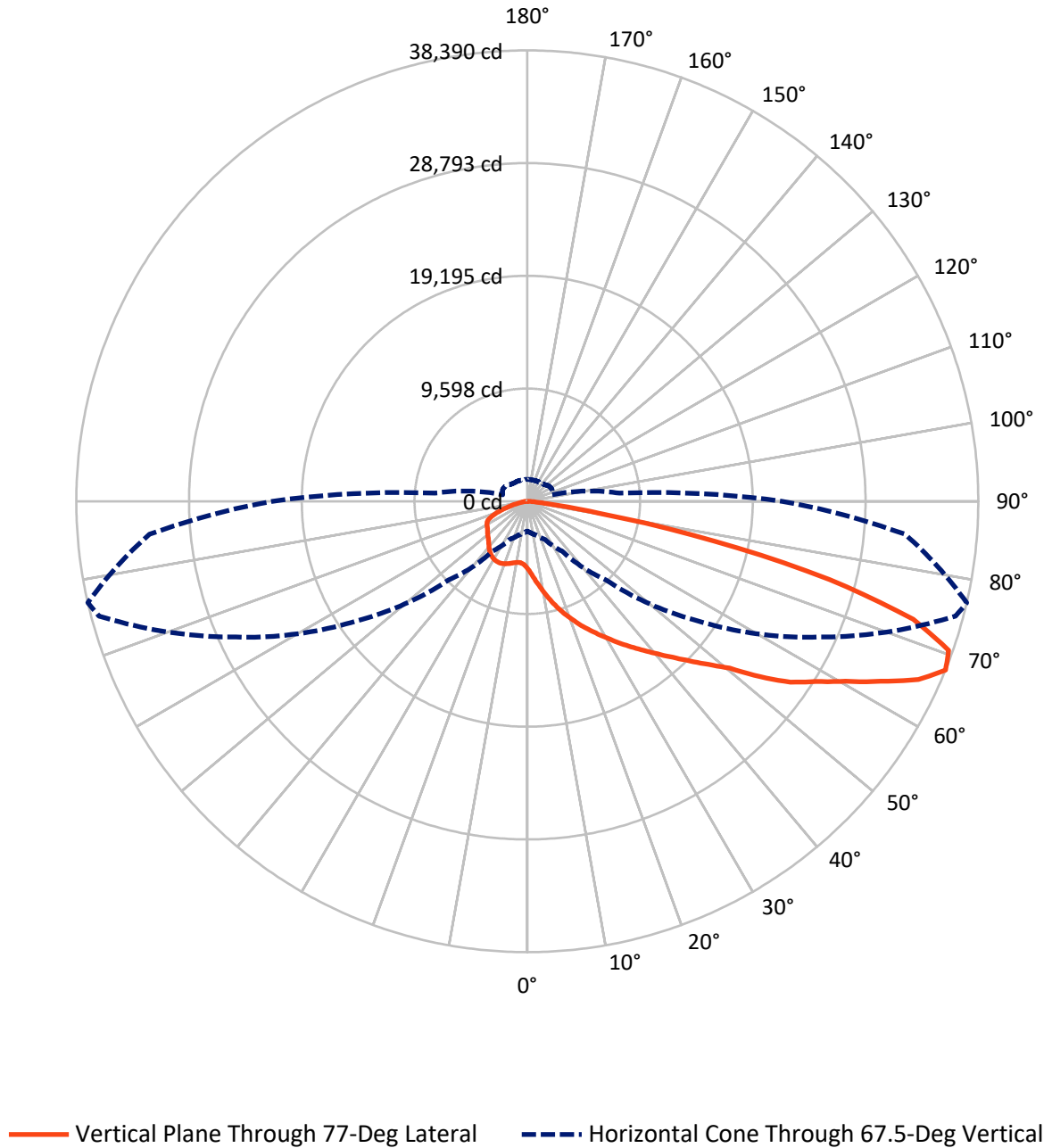
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9257.1	0.0	9257.1
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	39680.9	0.0	39680.9
	% Fixture	81.1	0.0	81.1
Total	Lumens	48938.0	0.0	48938.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.5	1.3
10°-20°	2211.1	4.5
20°-30°	4174.8	8.5
30°-40°	6725.5	13.7
40°-50°	9199.2	18.8
50°-60°	10376.8	21.2
60°-70°	9685.5	19.8
70°-80°	5309.3	10.8
80°-90°	640.4	1.3
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°	48938.0	100.0
0°-180°	48938.0	100.0



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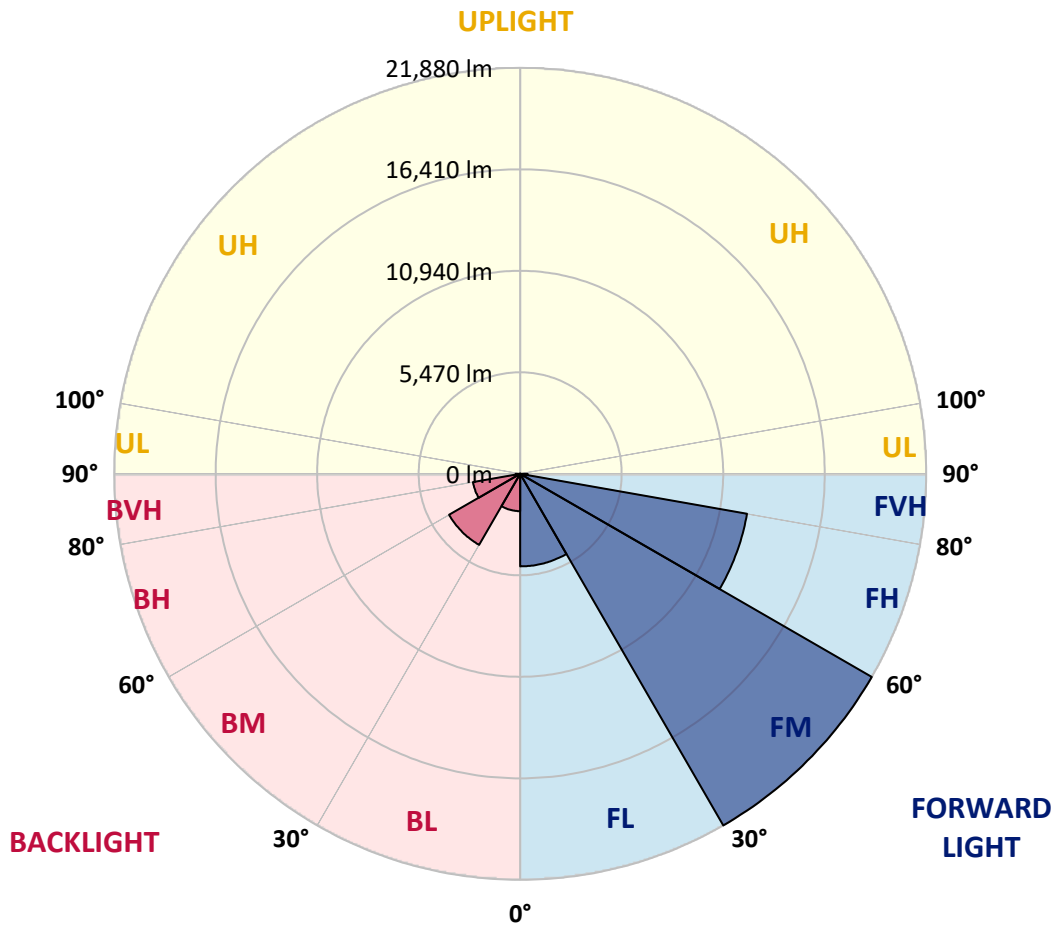
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4988.6	10.2			
FM (30°-60°)	21879.6	44.7			
FH (60°-80°)	12412.1	25.4			G5
FVH (80°-90°)	400.5	0.8			G3/500
BL (0°-30°)	2012.7	4.1	B3/2500		
BM (30°-60°)	4421.9	9.0	B3/5000		
BH (60°-80°)	2582.6	5.3	B4/5000		G4/5000
BVH (80°-90°)	239.9	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°	77°
0°	5741.9	5741.9	5741.9	5741.9	5741.9	5741.9	5741.9	5741.9	5741.9	5741.9
2.5°	7189.4	7240.0	7176.8	7176.8	6964.6	6853.5	6641.3	6479.6	6189.1	6138.6
5°	8498.0	8561.1	8472.7	8434.8	8184.7	7954.9	7598.7	7247.5	6729.7	6676.6
7.5°	9511.0	9591.8	9513.5	9473.1	9250.8	8993.1	8576.3	8086.2	7356.2	7252.6
10°	10337.0	10349.7	10324.4	10339.5	10165.2	9953.0	9526.1	8955.2	8043.3	7901.8
12.5°	10804.4	10862.5	10913.0	11003.9	10973.6	10842.3	10458.3	9776.2	8770.8	8588.9
15°	11024.1	11125.2	11238.9	11448.5	11617.8	11650.6	11357.6	10657.8	9511.0	9291.2
17.5°	11102.4	11198.4	11377.8	11680.9	12044.7	12289.7	12158.4	11514.2	10243.6	9990.9
20°	11499.1	11526.8	11635.5	11923.4	12317.5	12724.2	12822.8	12337.7	10968.6	10683.1
22.5°	12347.8	12292.3	12322.6	12453.9	12736.9	13130.9	13355.8	13065.3	11713.8	11385.4
25°	13749.9	13588.2	13426.5	13274.9	13418.9	13641.2	13896.4	13792.8	12494.4	12077.5
27.5°	15520.7	15323.6	14967.5	14469.8	14295.5	14373.8	14487.5	14467.3	13216.8	12795.0
30°	17263.7	17033.9	16609.5	15889.5	15429.7	15222.6	15136.7	15078.6	14002.5	13552.8
32.5°	18655.6	18473.8	18056.9	17251.1	16584.2	16230.5	15945.1	15737.9	14823.5	14373.8
35°	19873.3	19704.0	19226.6	18347.5	17622.4	17246.1	16872.2	16430.1	15677.3	15222.6
37.5°	20984.8	20815.5	20161.2	19246.8	18516.7	18256.5	17923.1	17172.8	16533.7	16104.2
40°	21687.0	21649.1	21037.8	20002.1	19244.2	19115.4	19004.3	18034.2	17483.5	17084.4
42.5°	21866.4	21949.8	21464.7	20613.4	19890.9	19787.4	20047.6	19009.3	18549.5	18168.1
45°	21434.4	21674.4	21356.1	20777.6	20350.7	20295.1	20972.1	20075.3	19729.3	19380.7
47.5°	20340.6	20747.3	20615.9	20535.1	20474.5	20714.5	21785.6	21207.1	21065.6	20762.5
50°	18132.7	18903.2	19133.1	19643.4	20229.4	21040.3	22525.7	22442.4	22626.8	22321.1
52.5°	14315.7	15376.7	16710.5	17988.7	19476.6	20931.7	23339.1	24215.7	24993.8	24827.0
55°	11817.3	12294.8	13320.4	15664.7	18016.5	20474.5	23705.4	25648.0	27343.1	27194.0
57.5°	9897.5	10324.4	10955.9	12913.7	15808.7	19436.2	23932.8	26522.1	28952.2	28937.1
60°	7838.7	8290.8	8937.5	10324.4	13229.5	17642.7	23882.3	27517.4	31006.0	31132.3
62.5°	5514.6	6012.2	6729.7	8023.1	10594.7	15318.6	22851.6	28237.3	33423.5	33767.1
65°	3625.0	3953.4	4494.0	5610.6	7894.2	12330.2	20883.7	28330.8	36010.3	36591.3
67.5°	2541.3	2667.6	2985.9	3592.2	5203.9	9455.4	17748.8	27363.3	37735.7	38390.0
70°	1983.0	2046.2	2207.9	2450.4	3268.8	6358.3	13600.8	24847.2	37366.9	38048.9
72.5°	1712.7	1773.4	1834.0	1864.3	2192.7	3925.6	9212.9	20775.1	33893.4	34355.7
75°	1553.6	1568.7	1619.3	1609.2	1672.3	2546.4	5317.6	15136.7	26741.9	26582.7
77.5°	1306.0	1326.2	1409.6	1397.0	1485.4	1740.5	2761.1	9768.6	17337.0	16255.8
80°	1106.5	1116.6	1207.5	1192.3	1290.9	1260.6	1409.6	4979.0	7353.6	6229.5
82.5°	384.0	474.9	922.0	949.8	985.2	762.9	813.4	2031.0	2245.8	1720.3
85°	186.9	199.6	469.9	666.9	664.4	384.0	396.6	725.0	707.3	555.8
87.5°	30.3	37.9	55.6	260.2	207.1	101.0	136.4	141.5	146.5	126.3
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°
5741.9	0°	5741.9	5741.9	5741.9	5741.9	5741.9	5741.9	5741.9	5741.9	5741.9	5741.9
5946.6	2.5°	5805.1	5678.8	5413.5	5168.5	4976.5	4792.1	4688.5	4600.1	4549.6	4539.5
6224.4	5°	5961.7	5701.5	5219.0	4812.3	4547.1	4350.0	4246.5	4180.8	4147.9	4127.7
6598.3	7.5°	6186.6	5805.1	5118.0	4655.7	4377.8	4236.4	4183.3	4173.2	4170.7	4173.2
7050.5	10°	6497.3	5974.4	5107.9	4617.8	4385.4	4307.1	4304.6	4307.1	4317.2	4319.7
7543.1	12.5°	6833.2	6148.7	5148.3	4650.6	4481.4	4438.5	4430.9	4428.3	4435.9	4441.0
8040.7	15°	7199.5	6378.5	5216.5	4721.4	4587.5	4542.0	4534.4	4519.3	4516.8	4514.2
8563.7	17.5°	7575.9	6605.9	5292.3	4797.2	4655.7	4592.5	4564.8	4529.4	4501.6	4494.0
9104.3	20°	7957.4	6830.7	5345.3	4835.1	4660.8	4572.3	4516.8	4456.1	4408.1	4380.4
9649.9	22.5°	8364.1	7065.7	5378.2	4825.0	4615.3	4494.0	4393.0	4322.2	4249.0	4201.0
10200.6	25°	8760.7	7270.3	5375.7	4771.9	4526.9	4372.8	4243.9	4153.0	4052.0	4001.4
10769.0	27.5°	9142.2	7454.7	5312.5	4678.4	4400.6	4228.8	4074.7	3966.1	3867.5	3819.5
11342.4	30°	9536.2	7608.8	5214.0	4542.0	4251.5	4062.1	3892.8	3799.3	3710.9	3665.4
11948.7	32.5°	9927.8	7750.2	5075.0	4372.8	4079.7	3897.9	3731.1	3645.2	3592.2	3592.2
12600.5	35°	10342.1	7848.8	4890.6	4175.7	3897.9	3723.6	3592.2	3541.7	3536.6	3506.3
13290.1	37.5°	10779.1	7911.9	4665.8	3973.6	3718.5	3554.3	3513.9	3453.3	3402.7	3337.0
14047.9	40°	11238.9	7975.1	4395.5	3764.0	3529.0	3438.1	3420.4	3339.6	3195.6	3033.9
14906.8	42.5°	11797.1	8018.0	4115.1	3554.3	3329.5	3299.2	3324.4	3185.5	2955.6	2834.3
15942.6	45°	12443.8	8088.7	3857.4	3347.2	3124.9	3124.9	3231.0	3049.1	2859.6	2783.8
17124.8	47.5°	13282.5	8252.9	3617.5	3119.8	2935.4	2985.9	3023.8	2884.9	2778.8	2685.3
18564.7	50°	14495.1	8647.0	3369.9	2889.9	2791.4	2892.4	2839.4	2758.6	2634.8	2559.0
20853.4	52.5°	16000.7	8879.4	3150.1	2682.8	2667.6	2768.7	2692.9	2617.1	2523.6	2422.6
22588.9	55°	17026.3	8922.4	2965.7	2531.2	2584.3	2574.2	2546.4	2478.2	2427.6	2293.7
24301.6	57.5°	18173.2	9008.3	2814.1	2440.3	2531.2	2420.1	2410.0	2351.8	2286.2	2195.2
26390.7	60°	19544.9	9142.2	2682.8	2404.9	2485.7	2319.0	2268.5	2245.8	2180.1	2134.6
28904.3	62.5°	21040.3	9263.4	2548.9	2410.0	2432.7	2220.5	2144.7	2137.1	2096.7	2081.6
31263.7	65°	22060.9	8932.5	2382.2	2404.9	2349.3	2119.4	2023.4	2020.9	1988.1	1983.0
32286.8	67.5°	21704.7	7884.1	2157.3	2334.2	2263.4	2018.4	1912.3	1902.2	1859.2	1861.8
31218.2	70°	19921.2	6388.6	1846.6	2159.9	2157.3	1927.5	1796.1	1763.3	1705.2	1715.3
27143.5	72.5°	16576.6	4734.0	1429.8	1869.4	1988.1	1844.1	1662.2	1609.2	1535.9	1546.0
20037.5	75°	11971.4	3218.3	1040.8	1422.2	1730.4	1745.6	1530.8	1439.9	1351.5	1366.6
11153.0	77.5°	6125.9	1823.9	765.4	980.1	1359.1	1586.4	1412.1	1290.9	1270.7	1412.1
3215.8	80°	1998.2	914.5	530.5	687.1	891.7	1298.4	1237.8	1098.9	1093.8	1126.7
674.5	82.5°	596.2	386.5	341.0	452.2	492.6	995.3	1068.6	831.1	714.9	752.8
224.8	85°	204.6	186.9	194.5	224.8	234.9	583.5	747.7	550.7	520.4	573.4
50.5	87.5°	48.0	65.7	55.6	50.5	50.5	141.5	290.5	229.9	318.3	212.2
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>
5741.9
4539.5
4125.2
4180.8
4322.2
4443.5
4511.7
4501.6
4390.5
4203.5
4001.4
3817.0
3662.9
3594.7
3498.7
3326.9
3011.2
2836.9
2796.5
2682.8
2551.4
2402.4
2296.3
2164.9
2147.2
2081.6
1980.5
1861.8
1725.4
1543.5
1371.7
1391.9
967.5
778.1
565.9
204.6
0.0

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