

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: P952452

Luminaire Tested: **GALN-SB6B-750-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952452
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-SB6B-750-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36056 lumens
Efficiency: N/A
Efficacy: 163.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

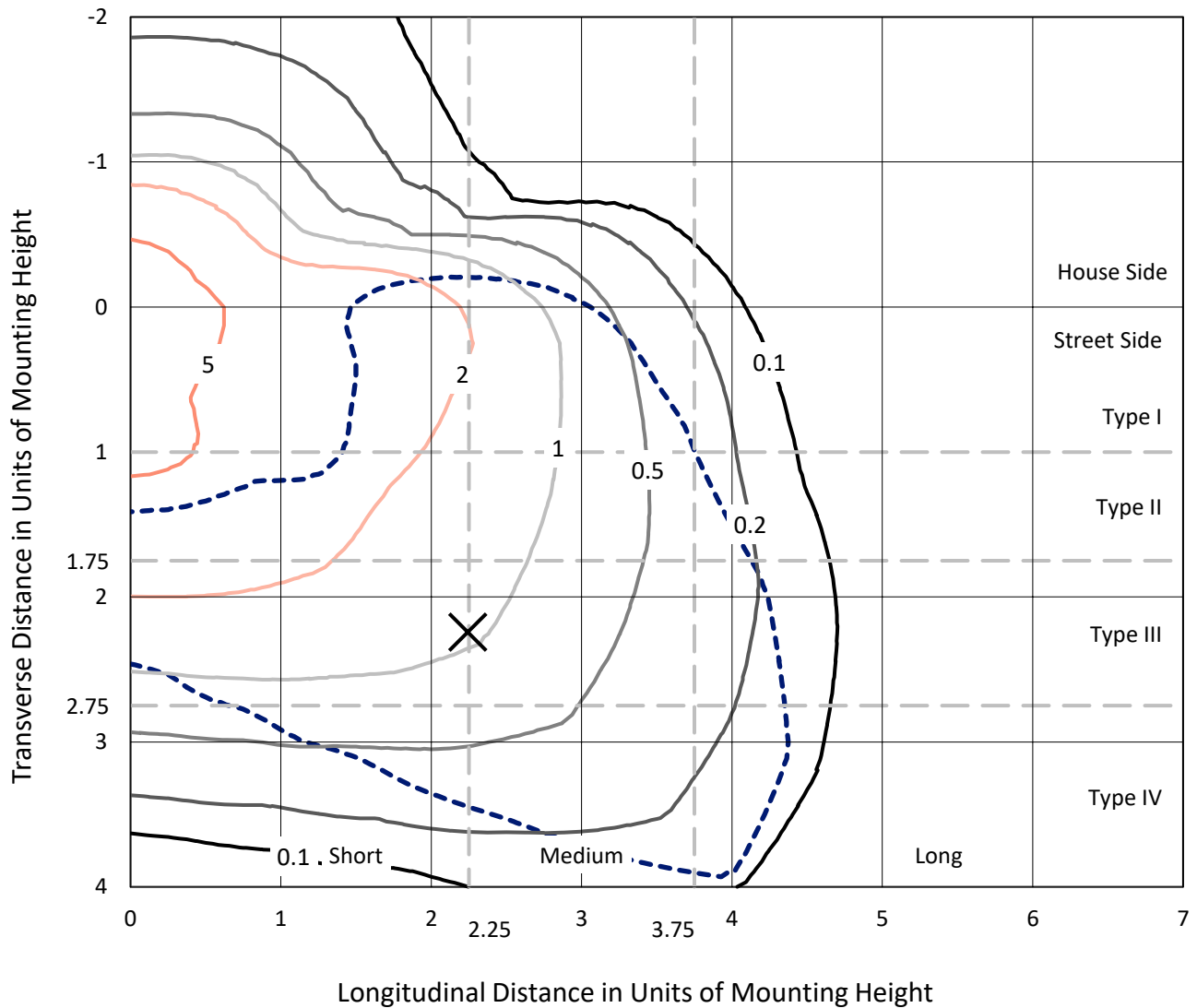
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

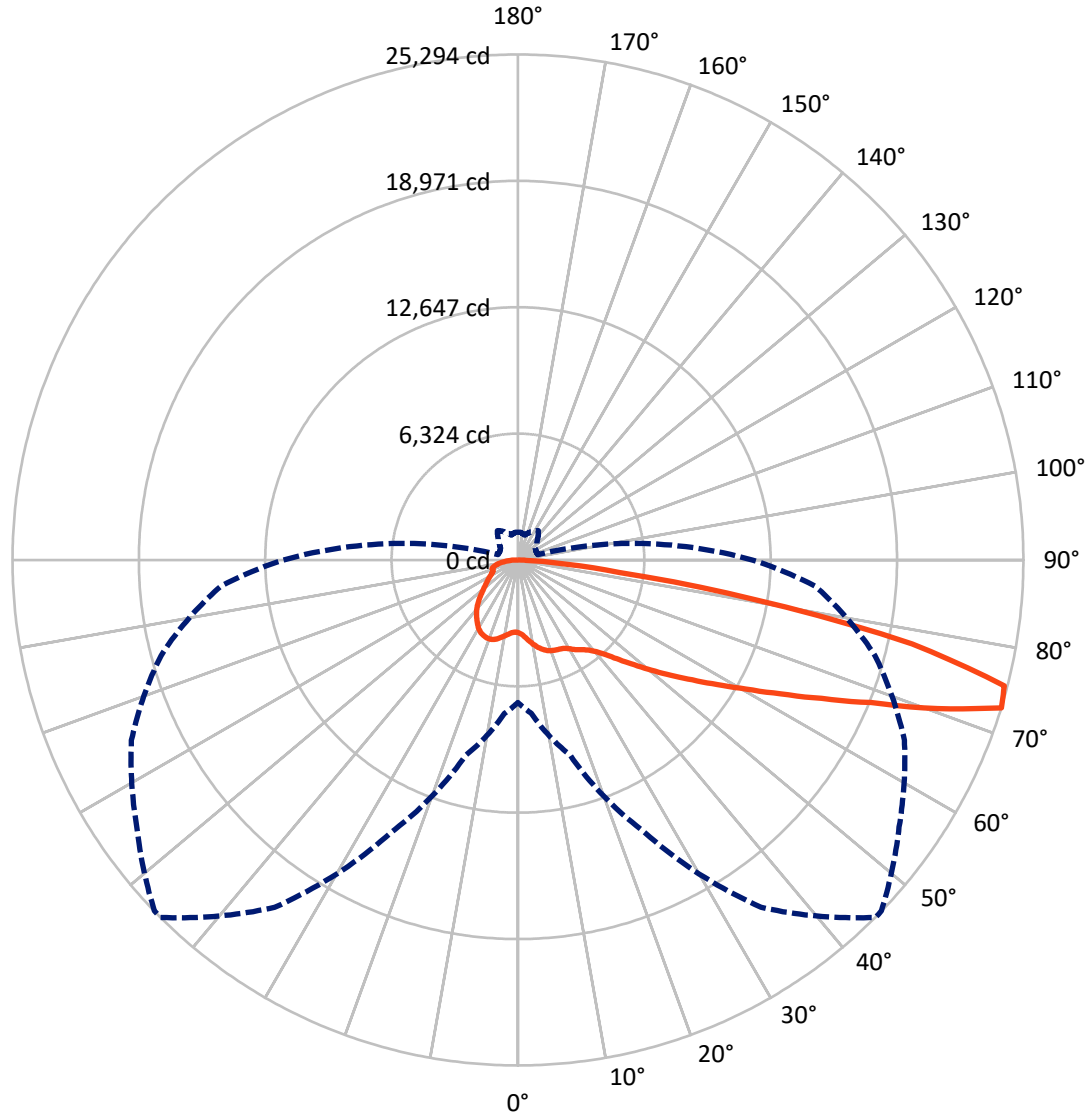
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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
House Side	Lumens	8151.0	0.0	8151.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	27905.0	0.0	27905.0
	% Fixture	77.4	0.0	77.4
Total	Lumens	36056.0	0.0	36056.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.2	1.0
10°-20°	1234.3	3.4
20°-30°	2147.2	6.0
30°-40°	3078.1	8.5
40°-50°	4334.2	12.0
50°-60°	6638.7	18.4
60°-70°	9617.1	26.7
70°-80°	7679.8	21.3
80°-90°	956.5	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°	36056.0	100.0
0°-180°	36056.0	100.0



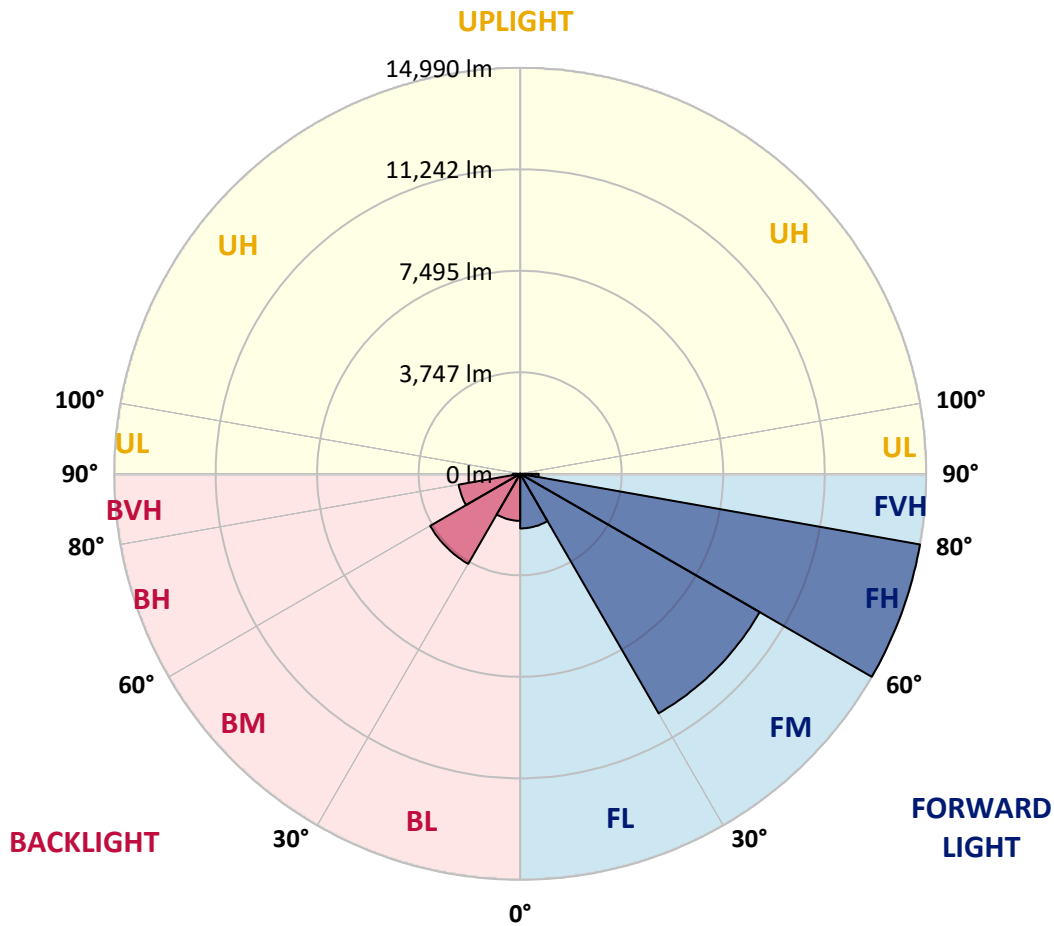
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2016.3	5.6			
FM (30°-60°)	10212.9	28.3			
FH (60°-80°)	14989.5	41.6			G5
FVH (80°-90°)	686.2	1.9			G4/750
BL (0°-30°)	1735.4	4.8	B3/2500		
BM (30°-60°)	3838.0	10.6	B3/5000		
BH (60°-80°)	2307.3	6.4	B3/2500		G3/2500
BVH (80°-90°)	270.3	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3637.3	3637.3	3637.3	3637.3	3637.3	3637.3	3637.3	3637.3	3637.3	3637.3
2.5°	3779.8	3804.5	3781.7	3760.8	3751.3	3726.6	3724.7	3709.5	3700.0	3673.4
5°	4043.8	4076.1	4038.1	3996.3	3958.3	3897.6	3890.0	3846.3	3796.9	3739.9
7.5°	4342.0	4370.5	4326.8	4264.2	4197.7	4097.0	4095.1	4015.3	3937.5	3840.6
10°	4602.2	4640.2	4581.3	4495.9	4412.3	4298.3	4285.0	4193.9	4095.1	3969.7
12.5°	4832.1	4858.7	4801.7	4697.2	4600.3	4486.4	4469.3	4368.6	4258.5	4116.0
15°	5014.4	5048.6	4972.6	4860.6	4758.0	4645.9	4630.7	4539.6	4429.4	4279.3
17.5°	5134.1	5162.6	5084.7	4959.3	4860.6	4767.5	4756.1	4680.1	4583.2	4431.3
20°	5179.7	5210.1	5128.4	5001.1	4909.9	4837.8	4832.1	4777.0	4710.5	4571.9
22.5°	5225.2	5253.7	5147.4	5014.4	4934.6	4889.1	4887.2	4851.1	4824.5	4710.5
25°	5409.5	5417.1	5274.6	5082.8	4968.8	4928.9	4927.0	4925.1	4936.5	4847.3
27.5°	5569.0	5567.1	5445.6	5265.1	5088.5	5004.9	5003.0	5022.0	5058.1	4984.0
30°	5802.7	5781.8	5637.4	5449.4	5287.9	5158.8	5147.4	5130.3	5158.8	5099.9
32.5°	6298.4	6231.9	5998.3	5664.0	5453.2	5354.4	5339.2	5232.8	5244.2	5208.2
35°	7008.8	6921.4	6609.9	6070.5	5658.3	5517.8	5510.2	5375.3	5352.5	5320.2
37.5°	7854.0	7745.7	7383.0	6659.3	6011.6	5707.7	5696.3	5574.7	5481.7	5447.5
40°	8703.0	8566.3	8266.2	7377.3	6532.0	6024.9	5988.8	5804.6	5698.2	5641.2
42.5°	9527.4	9413.4	9157.0	8182.6	7174.0	6488.3	6408.6	6093.3	6013.5	5960.3
45°	10256.8	10154.2	9966.1	9043.0	7926.2	7118.9	7041.1	6526.3	6501.6	6501.6
47.5°	10849.4	10826.6	10627.1	9920.6	8813.2	7836.9	7702.1	7128.4	7194.9	7297.5
50°	11506.6	11443.9	11231.1	10784.8	9856.0	8659.4	8549.2	7867.3	8116.1	8397.2
52.5°	12110.6	12144.8	11907.3	11685.1	11033.6	9576.8	9383.0	8739.1	9276.7	9742.0
55°	12731.7	12733.6	12667.1	12636.7	12268.2	10591.0	10378.3	9787.6	10642.3	11219.7
57.5°	13314.8	13318.6	13417.4	13685.2	13700.4	11761.1	11519.9	11075.4	12160.0	12748.8
60°	13835.2	13861.8	14131.5	14758.3	14959.7	13102.1	12874.1	12596.8	13728.9	14321.5
62.5°	14010.0	14106.8	14707.0	15597.9	16203.8	14746.9	14522.8	14357.6	15377.5	15928.4
65°	13713.7	13935.9	15096.4	16291.1	17484.0	16701.4	16479.2	16298.7	17090.8	17609.3
67.5°	12986.2	13273.0	15073.6	17018.6	19037.7	19052.9	18845.8	18422.3	18927.5	19126.9
70°	11069.7	11499.0	13745.9	17290.2	20821.2	22268.6	22069.1	20978.9	20760.4	19795.5
72.5°	7132.2	7709.7	10121.9	15054.6	21218.2	25294.3	25282.9	23286.6	21339.7	18496.3
75°	2602.2	2955.5	4702.9	9449.5	17810.7	25140.4	25214.5	22891.6	19480.2	14287.3
77.5°	947.8	1037.1	1534.7	3631.7	10953.8	20171.6	20325.5	18300.7	13865.6	7170.2
80°	497.6	547.0	786.4	1409.4	4693.4	11979.5	12220.7	10876.0	6516.8	2159.6
82.5°	275.4	298.2	440.7	765.5	2114.0	5122.7	5267.0	4296.4	2292.6	915.5
85°	148.2	157.7	207.0	417.9	1033.3	1775.9	1815.8	1284.0	913.6	537.5
87.5°	43.7	53.2	68.4	133.0	404.6	398.9	408.4	254.5	360.9	271.6
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°
3637.3	0°	3637.3	3637.3	3637.3	3637.3	3637.3	3637.3	3637.3	3637.3	3637.3	3637.3
3665.8	2.5°	3654.4	3648.7	3627.9	3618.4	3607.0	3605.1	3614.6	3616.5	3618.4	3620.3
3707.6	5°	3688.6	3669.6	3650.6	3639.2	3643.0	3644.9	3663.9	3677.2	3686.7	3694.3
3785.5	7.5°	3755.1	3739.9	3707.6	3705.7	3711.4	3728.5	3753.2	3783.6	3800.7	3814.0
3886.2	10°	3853.9	3825.4	3787.4	3793.1	3804.5	3829.2	3880.5	3905.2	3933.7	3958.3
4009.6	12.5°	3954.5	3929.9	3886.2	3890.0	3909.0	3952.6	4002.0	4032.4	4051.4	4070.4
4142.6	15°	4085.6	4041.9	3994.4	3994.4	4028.6	4076.1	4098.9	4123.6	4135.0	4155.9
4285.0	17.5°	4220.5	4163.5	4100.8	4097.0	4138.8	4161.6	4174.9	4178.7	4182.5	4205.3
4423.7	20°	4355.3	4292.6	4203.4	4195.8	4205.3	4201.5	4199.6	4195.8	4201.5	4230.0
4566.2	22.5°	4488.3	4416.1	4292.6	4258.5	4231.9	4195.8	4193.9	4192.0	4195.8	4224.3
4720.0	25°	4644.0	4556.7	4391.4	4288.8	4199.6	4150.2	4155.9	4157.8	4161.6	4184.4
4879.6	27.5°	4813.1	4716.2	4482.6	4279.3	4117.9	4083.7	4074.2	4079.9	4093.2	4129.3
5039.1	30°	4982.1	4868.2	4566.2	4241.4	4015.3	3967.8	3937.5	3950.7	3992.5	4028.6
5177.8	32.5°	5136.0	5022.0	4632.6	4157.8	3884.3	3810.2	3770.3	3787.4	3829.2	3842.5
5331.6	35°	5316.4	5187.3	4661.1	4024.8	3741.8	3627.9	3574.7	3550.0	3570.9	3557.6
5512.1	37.5°	5517.8	5382.9	4657.3	3850.1	3574.7	3443.6	3369.5	3276.5	3232.8	3187.2
5778.0	40°	5816.0	5622.2	4611.7	3639.2	3367.6	3248.0	3115.0	2957.4	2858.6	2769.3
6207.2	42.5°	6222.4	5954.6	4528.2	3407.5	3134.0	3021.9	2841.5	2657.3	2501.5	2353.4
6858.7	45°	6828.3	6389.6	4423.7	3160.6	2881.4	2771.2	2575.6	2368.6	2191.9	2002.0
7783.7	47.5°	7702.1	6974.6	4324.9	2879.5	2615.5	2514.8	2338.2	2146.3	1937.4	1753.1
9120.9	50°	8902.5	7814.1	4233.8	2606.0	2353.4	2277.4	2136.8	1941.2	1730.4	1582.2
10687.9	52.5°	10429.6	8955.7	4195.8	2342.0	2108.3	2079.8	1967.8	1785.4	1586.0	1460.6
12515.1	55°	12182.7	10321.3	4195.8	2089.3	1893.7	1903.2	1825.3	1656.3	1483.4	1371.4
14399.3	57.5°	13972.0	11704.1	4119.8	1855.7	1711.4	1751.2	1701.9	1553.7	1398.0	1282.1
16380.4	60°	15620.7	12862.7	3812.1	1643.0	1549.9	1612.6	1580.3	1453.0	1263.1	1166.2
18036.7	62.5°	16887.6	13516.1	3219.5	1473.9	1417.0	1489.1	1472.0	1320.1	1238.4	1198.5
19396.7	65°	17522.0	13409.8	2461.6	1323.9	1304.9	1417.0	1380.9	1375.2	1310.6	1265.0
19839.2	67.5°	17132.6	12494.2	1785.4	1213.7	1240.3	1350.5	1489.1	1511.9	1392.3	1303.0
18593.2	70°	15425.0	10838.0	1329.6	1109.2	1158.6	1352.4	1698.1	1582.2	1365.7	1261.2
14912.2	72.5°	11734.5	8081.9	1031.4	999.1	1052.3	1361.9	1791.1	1549.9	1289.7	1394.2
9290.0	75°	6710.6	4437.0	828.1	864.2	919.3	1272.6	1743.6	1466.3	1230.8	1280.2
3681.0	77.5°	2558.5	1705.7	683.8	731.3	738.9	1111.1	1667.7	1460.6	1171.9	1143.4
1103.6	80°	887.0	666.7	566.0	581.2	571.7	987.7	1599.3	1270.7	959.2	858.5
455.9	82.5°	362.8	332.4	448.3	429.3	406.5	767.4	1291.6	1039.0	784.5	693.3
220.3	85°	157.7	210.8	296.3	260.2	235.5	531.8	1035.2	879.4	662.9	571.7
72.2	87.5°	32.3	79.8	125.4	117.8	121.6	355.2	735.1	624.9	469.2	351.4
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°
3637.3
3627.9
3698.1
3817.8
3952.6
4078.0
4163.5
4212.9
4241.4
4243.3
4214.8
4165.4
4068.5
3890.0
3599.4
3215.7
2775.0
2340.1
1979.2
1732.3
1572.7
1451.1
1360.0
1263.1
1151.0
1185.2
1249.8
1287.8
1244.1
1382.8
1280.2
1042.8
830.0
685.7
569.8
275.4
0.0

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