

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: P953355

Luminaire Tested: **GALN-SB6D-935-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953355
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-SB6D-935-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42844 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

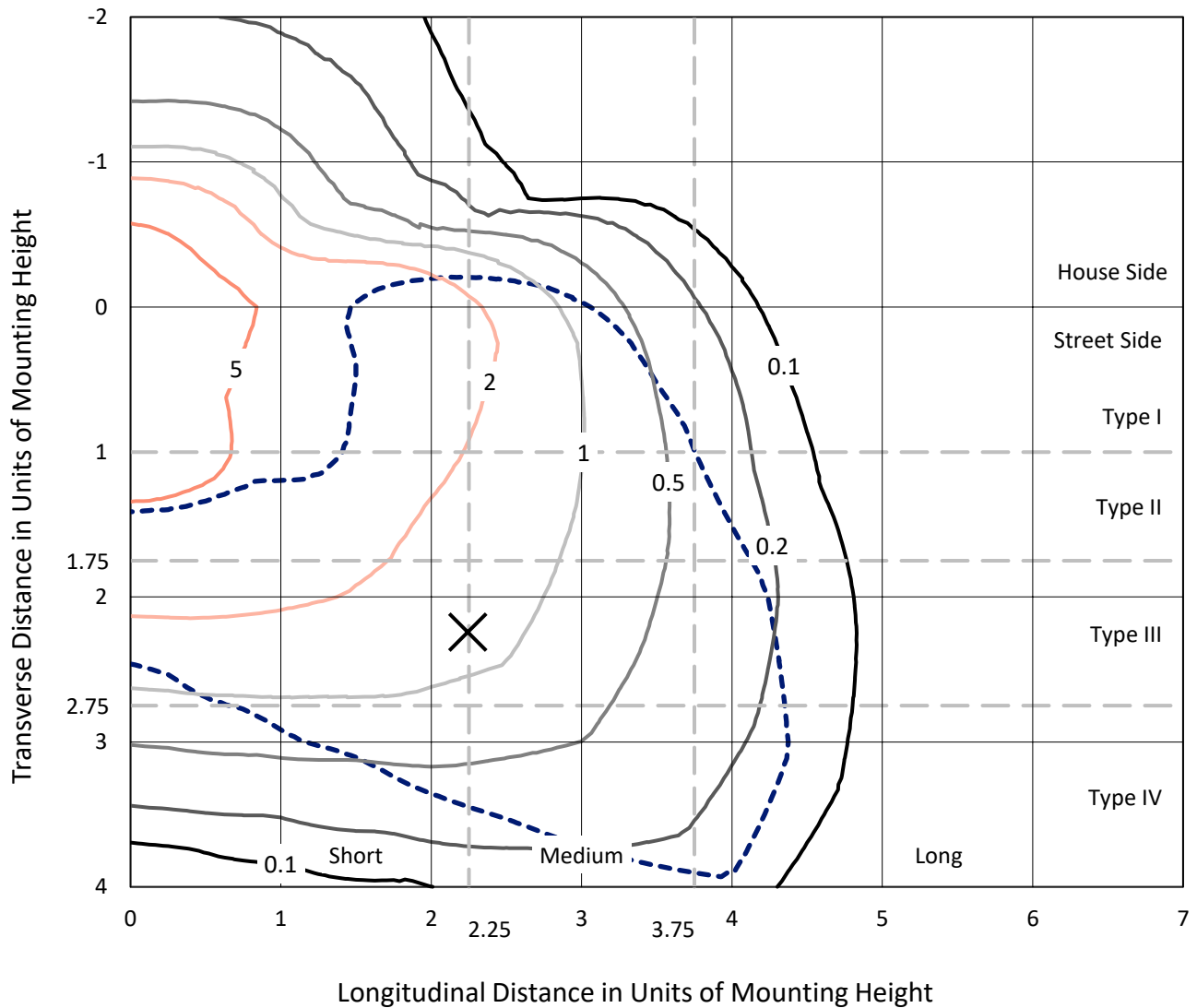
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

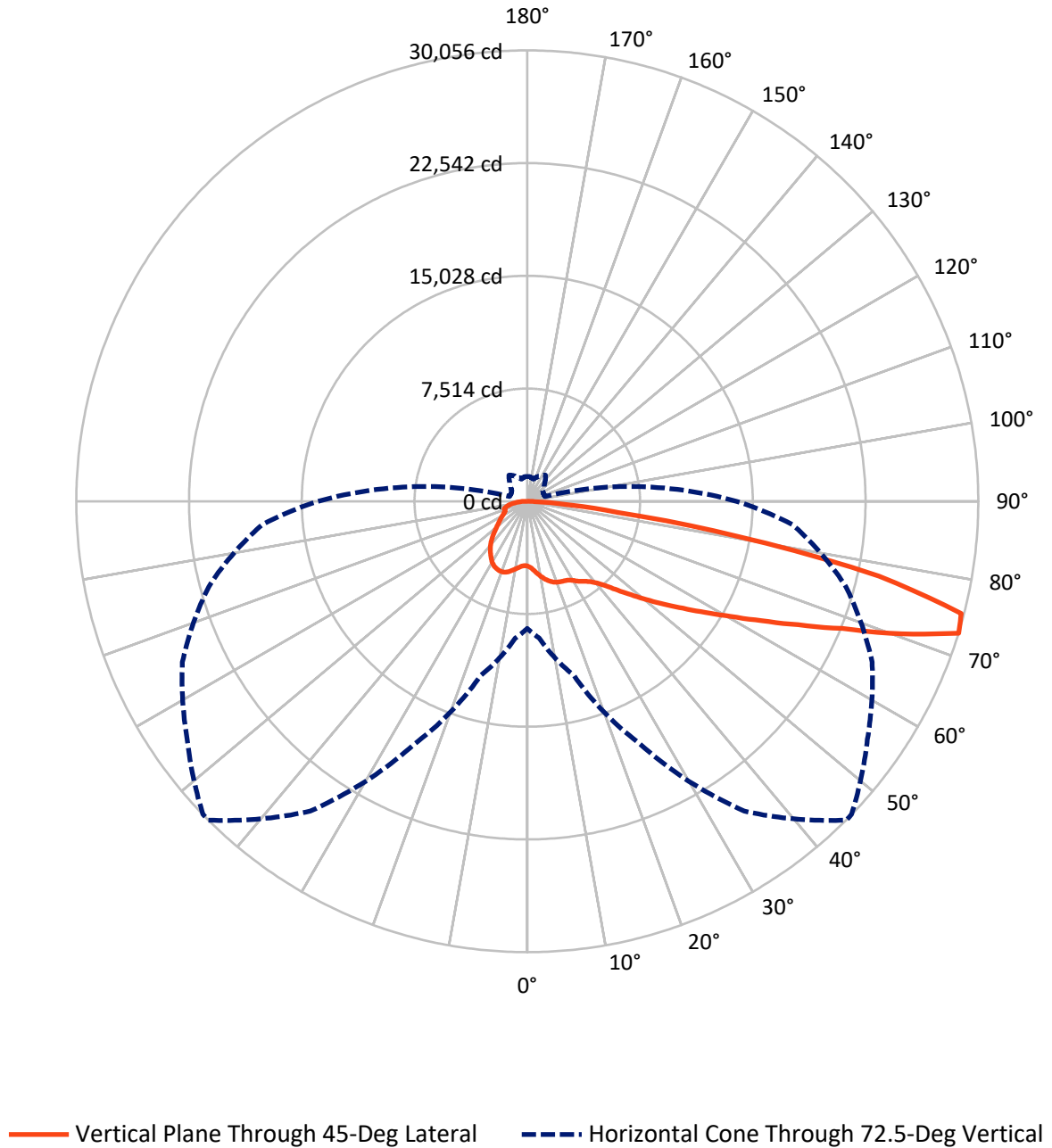
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9685.6	0.0	9685.6
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	33158.4	0.0	33158.4
	% Fixture	77.4	0.0	77.4
Total	Lumens	42844.0	0.0	42844.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.9	1.0
10°-20°	1466.7	3.4
20°-30°	2551.4	6.0
30°-40°	3657.6	8.5
40°-50°	5150.1	12.0
50°-60°	7888.5	18.4
60°-70°	11427.6	26.7
70°-80°	9125.6	21.3
80°-90°	1136.6	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°	42844.0	100.0
0°-180°	42844.0	100.0



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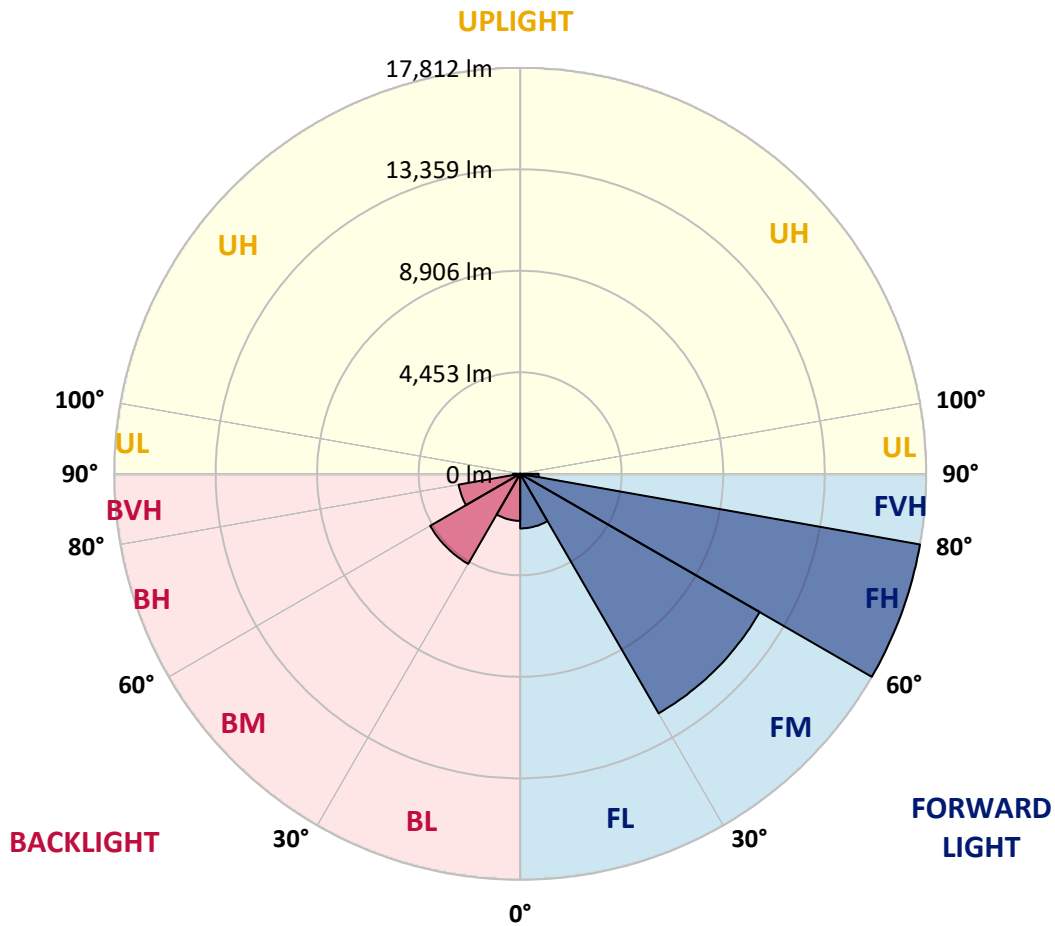
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2395.9	5.6			
FM (30°-60°)	12135.7	28.3			
FH (60°-80°)	17811.5	41.6			G5
FVH (80°-90°)	815.4	1.9			G5
BL (0°-30°)	2062.1	4.8	B3/2500		
BM (30°-60°)	4560.5	10.6	B3/5000		
BH (60°-80°)	2741.7	6.4	B4/5000		G4/5000
BVH (80°-90°)	321.2	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°	4322.1	4322.1	4322.1	4322.1	4322.1	4322.1	4322.1	4322.1	4322.1	4322.1
2.5°	4491.4	4520.7	4493.7	4468.8	4457.5	4428.2	4425.9	4407.9	4396.6	4365.0
5°	4805.1	4843.5	4798.3	4748.7	4703.6	4631.3	4622.3	4570.4	4511.7	4444.0
7.5°	5159.5	5193.3	5141.4	5066.9	4987.9	4868.3	4866.1	4771.3	4678.7	4563.6
10°	5468.7	5513.8	5443.8	5342.3	5243.0	5107.6	5091.8	4983.4	4866.1	4717.1
12.5°	5741.8	5773.4	5705.7	5581.5	5466.4	5331.0	5310.7	5191.1	5060.2	4890.9
15°	5958.4	5999.1	5908.8	5775.6	5653.7	5520.6	5502.5	5394.2	5263.3	5085.0
17.5°	6100.6	6134.5	6041.9	5893.0	5775.6	5665.0	5651.5	5561.2	5446.1	5265.5
20°	6154.8	6190.9	6093.9	5942.6	5834.3	5748.5	5741.8	5676.3	5597.3	5432.6
22.5°	6209.0	6242.8	6116.4	5958.4	5863.6	5809.5	5807.2	5764.3	5732.7	5597.3
25°	6427.9	6436.9	6267.6	6039.7	5904.3	5856.9	5854.6	5852.4	5865.9	5759.8
27.5°	6617.5	6615.2	6470.8	6256.4	6046.5	5947.2	5944.9	5967.5	6010.4	5922.3
30°	6895.1	6870.3	6698.7	6475.3	6283.4	6130.0	6116.4	6096.1	6130.0	6060.0
32.5°	7484.2	7405.2	7127.6	6730.3	6479.8	6362.4	6344.4	6218.0	6231.5	6188.7
35°	8328.3	8224.5	7854.3	7213.3	6723.6	6556.5	6547.5	6387.3	6360.2	6321.8
37.5°	9332.6	9204.0	8772.9	7913.0	7143.4	6782.2	6768.7	6624.3	6513.7	6473.0
40°	10341.5	10179.0	9822.4	8766.1	7761.8	7159.2	7116.3	6897.3	6771.0	6703.2
42.5°	11321.0	11185.6	10880.9	9723.1	8524.6	7709.9	7615.1	7240.4	7145.6	7082.4
45°	12187.7	12065.8	11842.4	10745.5	9418.4	8459.2	8366.6	7755.0	7725.7	7725.7
47.5°	12891.9	12864.8	12627.8	11788.2	10472.4	9312.3	9152.1	8470.5	8549.5	8671.3
50°	13672.8	13598.3	13345.6	12815.2	11711.5	10289.6	10158.7	9348.4	9644.1	9978.1
52.5°	14390.5	14431.2	14149.0	13885.0	13110.8	11379.7	11149.5	10384.4	11023.1	11576.1
55°	15128.6	15130.8	15051.8	15015.7	14577.9	12584.9	12332.2	11630.2	12645.9	13332.0
57.5°	15821.5	15826.0	15943.3	16261.6	16279.6	13975.2	13688.6	13160.5	14449.2	15148.9
60°	16439.9	16471.5	16792.0	17536.8	17776.0	15568.7	15297.8	14968.3	16313.5	17017.7
62.5°	16647.5	16762.6	17475.8	18534.4	19254.3	17523.2	17256.9	17060.5	18272.5	18927.1
65°	16295.4	16559.5	17938.5	19358.2	20775.5	19845.7	19581.6	19367.2	20308.3	20924.5
67.5°	15431.0	15771.8	17911.4	20222.6	22621.8	22639.8	22393.8	21890.5	22490.9	22727.8
70°	13153.7	13663.8	16333.8	20545.3	24741.1	26460.9	26223.9	24928.4	24668.8	23522.3
72.5°	8475.0	9161.1	12027.5	17888.9	25212.8	30056.3	30042.7	27670.6	25357.2	21978.5
75°	3092.1	3511.9	5588.3	11228.5	21163.7	29873.4	29961.5	27201.2	23147.6	16977.0
77.5°	1126.2	1232.3	1823.6	4315.4	13016.0	23969.2	24152.0	21746.0	16476.0	8520.1
80°	591.3	650.0	934.4	1674.7	5577.0	14234.8	14521.4	12923.5	7743.7	2566.2
82.5°	327.3	354.3	523.6	909.6	2512.0	6087.1	6258.6	5105.3	2724.2	1087.9
85°	176.0	187.3	246.0	496.5	1227.8	2110.3	2157.7	1525.7	1085.6	638.7
87.5°	51.9	63.2	81.3	158.0	480.7	474.0	485.3	302.4	428.8	322.7
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°
4322.1	0°	4322.1	4322.1	4322.1	4322.1	4322.1	4322.1	4322.1	4322.1	4322.1	4322.1
4356.0	2.5°	4342.4	4335.7	4310.8	4299.6	4286.0	4283.8	4295.0	4297.3	4299.6	4301.8
4405.6	5°	4383.1	4360.5	4337.9	4324.4	4328.9	4331.2	4353.7	4369.5	4380.8	4389.8
4498.2	7.5°	4462.1	4444.0	4405.6	4403.4	4410.1	4430.5	4459.8	4495.9	4516.2	4532.0
4617.8	10°	4579.4	4545.6	4500.4	4507.2	4520.7	4550.1	4611.0	4640.4	4674.2	4703.6
4764.5	12.5°	4699.0	4669.7	4617.8	4622.3	4644.9	4696.8	4755.5	4791.6	4814.1	4836.7
4922.5	15°	4854.8	4802.9	4746.4	4746.4	4787.1	4843.5	4870.6	4899.9	4913.5	4938.3
5091.8	17.5°	5015.0	4947.3	4872.8	4868.3	4918.0	4945.1	4960.9	4965.4	4969.9	4997.0
5256.5	20°	5175.3	5100.8	4994.7	4985.7	4997.0	4992.5	4990.2	4985.7	4992.5	5026.3
5425.8	22.5°	5333.3	5247.5	5100.8	5060.2	5028.6	4985.7	4983.4	4981.2	4985.7	5019.5
5608.6	25°	5518.3	5414.5	5218.1	5096.3	4990.2	4931.5	4938.3	4940.5	4945.1	4972.1
5798.2	27.5°	5719.2	5604.1	5326.5	5085.0	4893.1	4852.5	4841.2	4848.0	4863.8	4906.7
5987.8	30°	5920.1	5784.7	5425.8	5039.8	4771.3	4714.8	4678.7	4694.5	4744.2	4787.1
6152.5	32.5°	6102.9	5967.5	5504.8	4940.5	4615.5	4527.5	4480.1	4500.4	4550.1	4565.9
6335.4	35°	6317.3	6163.8	5538.6	4782.6	4446.3	4310.8	4247.6	4218.3	4243.1	4227.3
6549.8	37.5°	6556.5	6396.3	5534.1	4574.9	4247.6	4091.9	4003.9	3893.3	3841.4	3787.2
6865.7	40°	6910.9	6680.7	5480.0	4324.4	4001.6	3859.4	3701.5	3514.1	3396.8	3290.7
7375.8	42.5°	7393.9	7075.6	5380.7	4049.0	3724.0	3590.9	3376.4	3157.5	2972.4	2796.4
8150.0	45°	8113.9	7592.5	5256.5	3755.6	3423.8	3292.9	3060.5	2814.5	2604.6	2378.9
9249.1	47.5°	9152.1	8287.6	5139.2	3421.6	3107.9	2988.2	2778.3	2550.4	2302.1	2083.2
10838.0	50°	10578.5	9285.2	5030.8	3096.6	2796.4	2706.1	2539.1	2306.6	2056.1	1880.1
12700.1	52.5°	12393.1	10641.7	4985.7	2782.9	2505.3	2471.4	2338.2	2121.6	1884.6	1735.6
14871.3	55°	14476.3	12264.5	4985.7	2482.7	2250.2	2261.5	2169.0	1968.1	1762.7	1629.5
17110.2	57.5°	16602.4	13907.5	4895.4	2205.1	2033.5	2080.9	2022.3	1846.2	1661.1	1523.5
19464.2	60°	18561.4	15284.3	4529.8	1952.3	1841.7	1916.2	1877.8	1726.6	1500.9	1385.8
21432.3	62.5°	20066.9	16060.7	3825.6	1751.4	1683.7	1769.5	1749.2	1568.6	1471.6	1424.2
23048.3	65°	20820.7	15934.3	2925.1	1573.1	1550.5	1683.7	1640.8	1634.1	1557.3	1503.2
23574.2	67.5°	20358.0	14846.4	2121.6	1442.2	1473.8	1604.7	1769.5	1796.6	1654.4	1548.3
22093.6	70°	18329.0	12878.4	1579.9	1318.1	1376.8	1607.0	2017.7	1880.1	1622.8	1498.6
17719.6	72.5°	13943.7	9603.5	1225.5	1187.2	1250.4	1618.3	2128.3	1841.7	1532.5	1656.6
11038.9	75°	7973.9	5272.3	984.0	1026.9	1092.4	1512.2	2071.9	1742.4	1462.5	1521.2
4374.0	77.5°	3040.2	2026.8	812.5	868.9	878.0	1320.3	1981.6	1735.6	1392.6	1358.7
1311.3	80°	1054.0	792.2	672.6	690.6	679.4	1173.6	1900.4	1509.9	1139.8	1020.2
541.7	82.5°	431.1	395.0	532.6	510.1	483.0	911.8	1534.7	1234.6	932.1	823.8
261.8	85°	187.3	250.5	352.1	309.2	279.9	632.0	1230.1	1045.0	787.7	679.4
85.8	87.5°	38.4	94.8	149.0	139.9	144.4	422.1	873.5	742.5	557.5	417.5
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°
4322.1
4310.8
4394.3
4536.5
4696.8
4845.7
4947.3
5006.0
5039.8
5042.1
5008.2
4949.6
4834.5
4622.3
4277.0
3821.1
3297.5
2780.6
2351.8
2058.4
1868.8
1724.3
1616.0
1500.9
1367.7
1408.4
1485.1
1530.2
1478.3
1643.1
1521.2
1239.1
986.3
814.8
677.1
327.3
0.0

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