

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: P953349

Luminaire Tested: **GALN-SB6D-935-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953349
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-SB6D-935-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43724 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

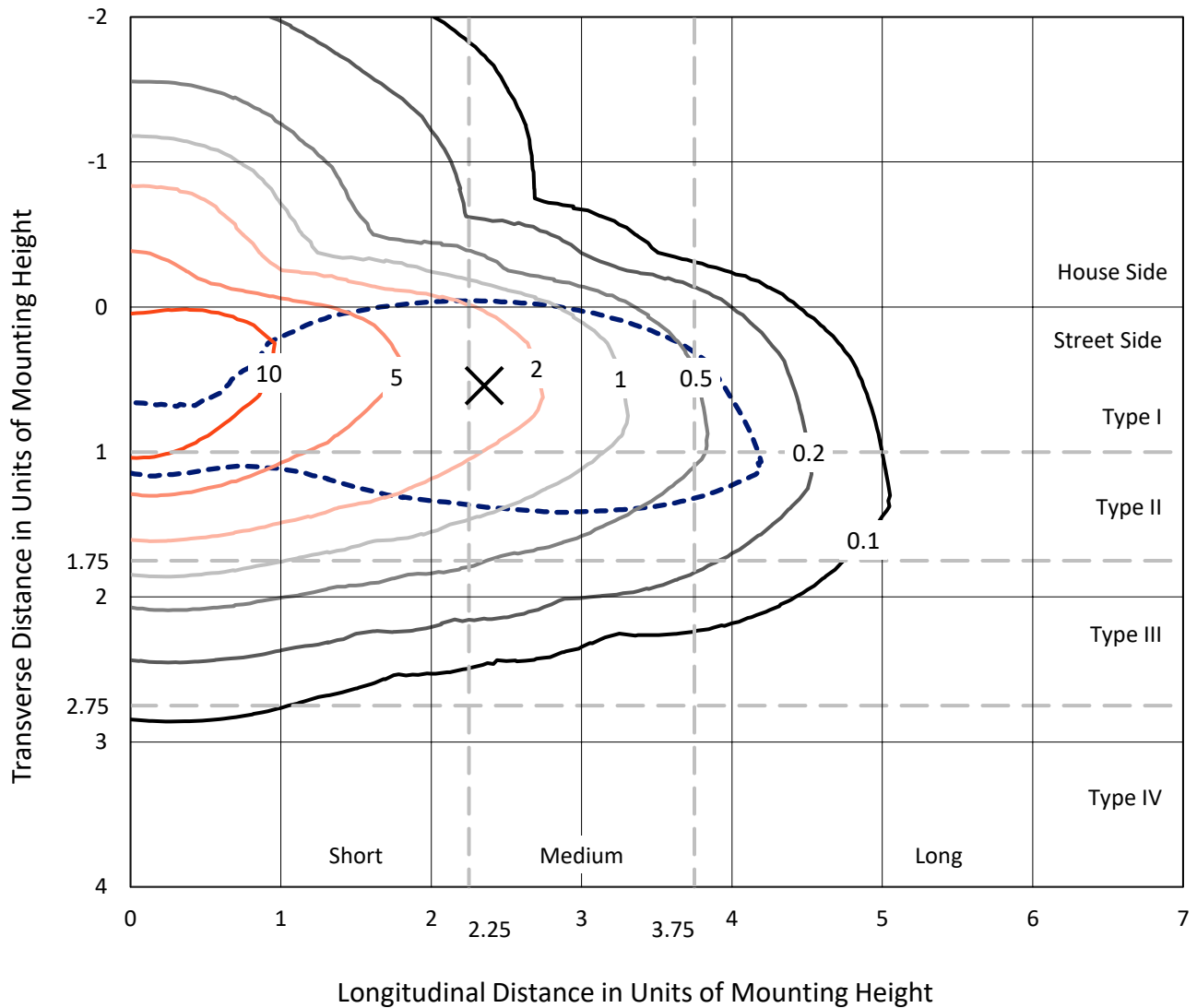
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

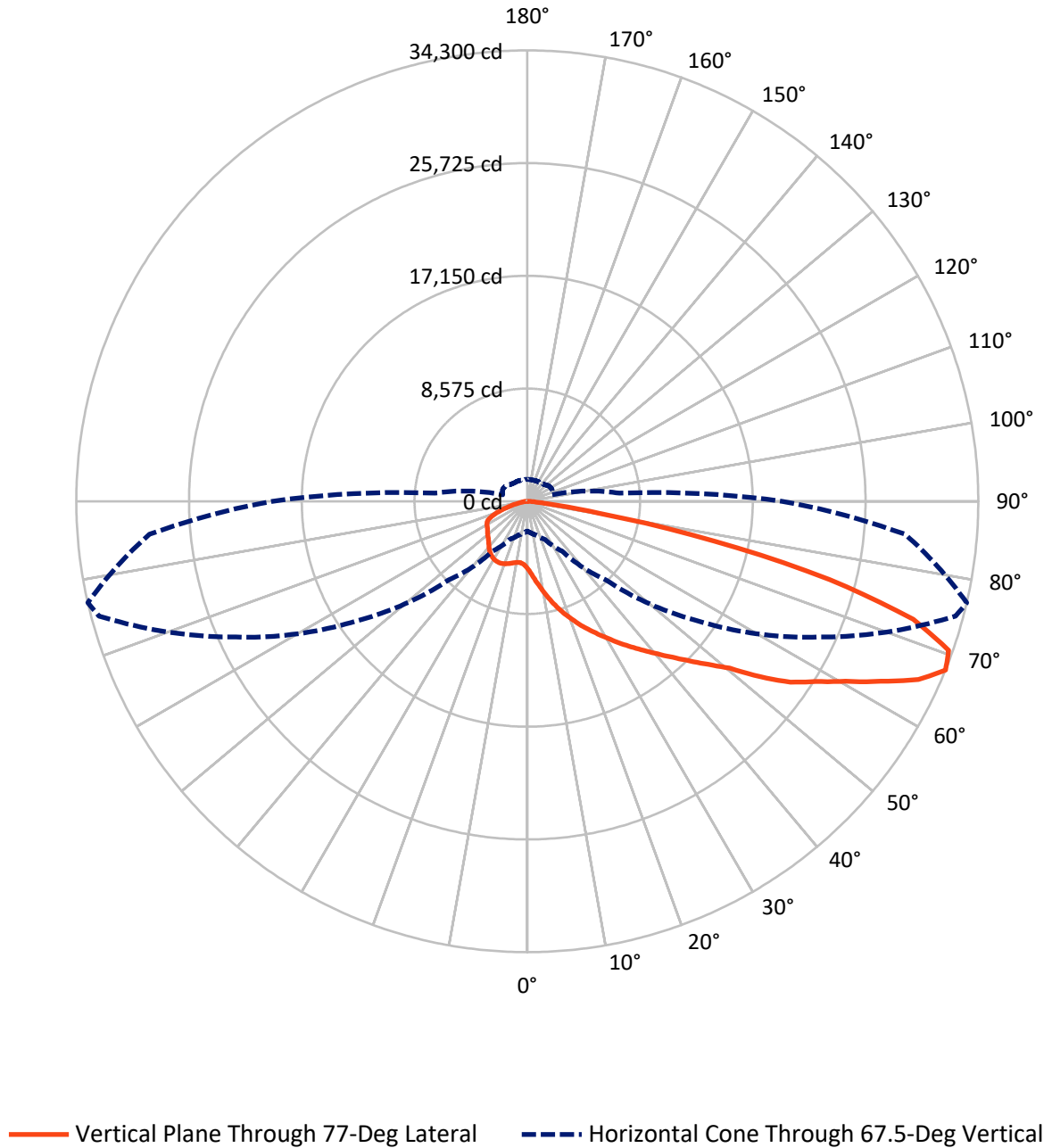
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 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	8270.8	0.0	8270.8
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	35453.2	0.0	35453.2
	% Fixture	81.1	0.0	81.1
Total	Lumens	43724.0	0.0	43724.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.9	1.3
10°-20°	1975.5	4.5
20°-30°	3730.0	8.5
30°-40°	6008.9	13.7
40°-50°	8219.1	18.8
50°-60°	9271.2	21.2
60°-70°	8653.5	19.8
70°-80°	4743.6	10.8
80°-90°	572.2	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°	43724.0	100.0
0°-180°	43724.0	100.0



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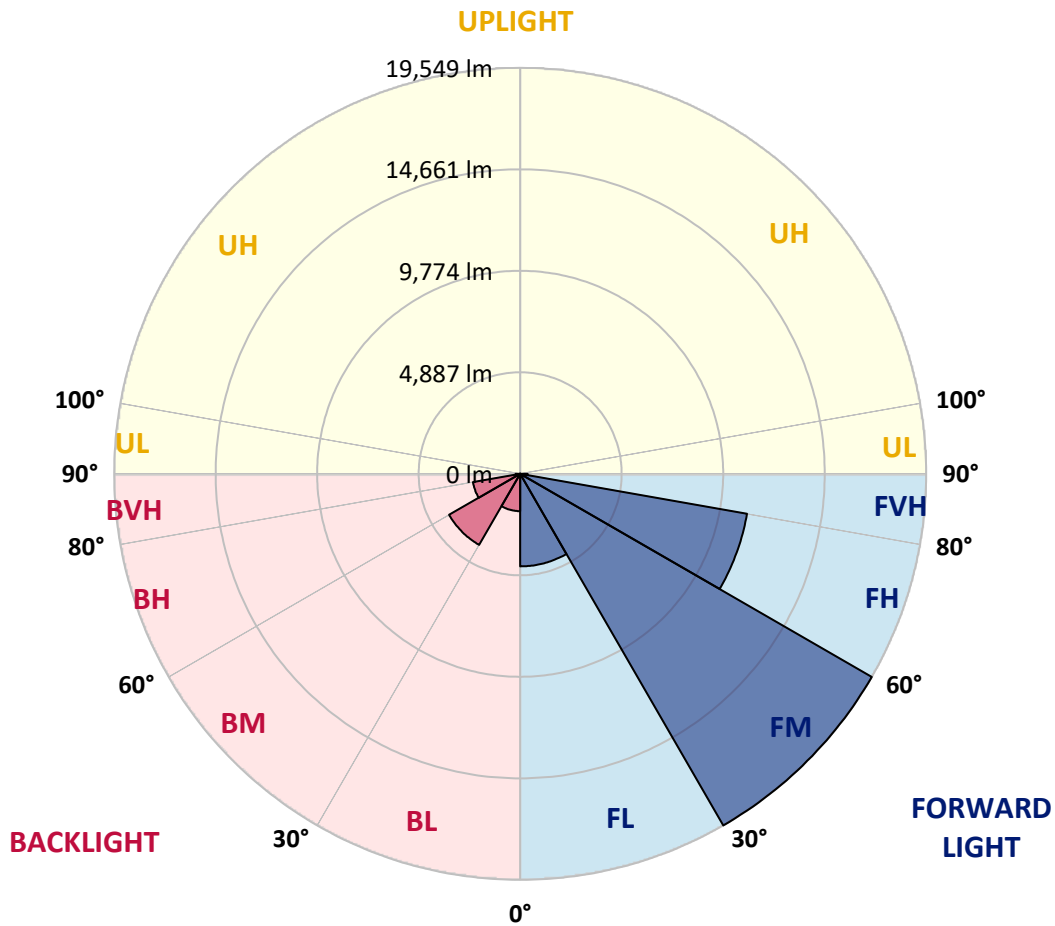
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4457.1	10.2			
FM (30°-60°)	19548.5	44.7			
FH (60°-80°)	11089.7	25.4			G4/12000
FVH (80°-90°)	357.8	0.8			G3/500
BL (0°-30°)	1798.3	4.1	B3/2500		
BM (30°-60°)	3950.8	9.0	B3/5000		
BH (60°-80°)	2307.4	5.3	B3/2500		G3/2500
BVH (80°-90°)	214.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	5130.2	5130.2	5130.2	5130.2	5130.2	5130.2	5130.2	5130.2	5130.2	5130.2
2.5°	6423.5	6468.6	6412.2	6412.2	6222.6	6123.3	5933.7	5789.2	5529.7	5484.5
5°	7592.6	7649.0	7570.0	7536.2	7312.7	7107.3	6789.1	6475.4	6012.7	5965.3
7.5°	8497.6	8569.9	8499.9	8463.8	8265.2	8035.0	7662.5	7224.7	6572.4	6479.9
10°	9235.7	9247.0	9224.4	9237.9	9082.2	8892.6	8511.2	8001.1	7186.3	7059.9
12.5°	9653.2	9705.1	9750.3	9831.5	9804.5	9687.1	9344.0	8734.6	7836.3	7673.8
15°	9849.6	9939.9	10041.4	10228.8	10380.0	10409.3	10147.5	9522.3	8497.6	8301.3
17.5°	9919.6	10005.3	10165.6	10436.4	10761.4	10980.4	10863.0	10287.5	9152.2	8926.5
20°	10273.9	10298.7	10395.8	10653.1	11005.2	11368.6	11456.6	11023.2	9799.9	9544.9
22.5°	11032.3	10982.6	11009.7	11127.1	11379.8	11731.9	11932.8	11673.3	10465.8	10172.3
25°	12284.9	12140.5	11996.0	11860.6	11989.2	12187.9	12415.8	12323.3	11163.2	10790.8
27.5°	13867.1	13691.0	13372.8	12928.2	12772.4	12842.4	12944.0	12925.9	11808.7	11431.8
30°	15424.4	15219.0	14839.8	14196.6	13785.8	13600.7	13524.0	13472.1	12510.6	12108.9
32.5°	16668.0	16505.5	16133.1	15413.1	14817.3	14501.3	14246.2	14061.2	13244.1	12842.4
35°	17755.9	17604.7	17178.1	16392.7	15744.9	15408.6	15074.6	14679.6	14007.0	13600.7
37.5°	18749.0	18597.8	18013.2	17196.2	16543.9	16311.4	16013.5	15343.2	14772.1	14388.4
40°	19376.4	19342.6	18796.4	17871.0	17193.9	17078.8	16979.5	16112.8	15620.8	15264.2
42.5°	19536.7	19611.2	19177.8	18417.2	17771.7	17679.2	17911.6	16984.0	16573.2	16232.4
45°	19150.7	19365.1	19080.8	18563.9	18182.5	18132.8	18737.7	17936.5	17627.2	17315.8
47.5°	18173.4	18536.8	18419.5	18347.2	18293.1	18507.5	19464.5	18947.6	18821.2	18550.4
50°	16200.8	16889.2	17094.6	17550.5	18074.1	18798.6	20125.8	20051.3	20216.0	19942.9
52.5°	12790.5	13738.4	14930.1	16072.2	17401.5	18701.6	20852.5	21635.7	22330.9	22181.9
55°	10558.3	10984.9	11901.2	13995.7	16097.0	18293.1	21179.8	22915.4	24429.9	24296.7
57.5°	8843.0	9224.4	9788.7	11537.8	14124.4	17365.4	21382.9	23696.3	25867.6	25854.0
60°	7003.5	7407.5	7985.3	9224.4	11820.0	15763.0	21337.8	24585.6	27702.5	27815.4
62.5°	4927.1	5371.7	6012.7	7168.3	9465.9	13686.5	20416.9	25228.9	29862.5	30169.5
65°	3238.8	3532.2	4015.2	5012.8	7053.2	11016.5	18658.7	25312.4	32173.7	32692.8
67.5°	2270.6	2383.4	2667.8	3209.5	4649.4	8448.0	15857.8	24447.9	33715.2	34299.8
70°	1771.8	1828.2	1972.6	2189.3	2920.6	5680.9	12151.7	22199.9	33385.7	33995.1
72.5°	1530.3	1584.4	1638.6	1665.7	1959.1	3507.4	8231.3	18561.6	30282.3	30695.3
75°	1388.1	1401.6	1446.7	1437.7	1494.1	2275.1	4751.0	13524.0	23892.7	23750.5
77.5°	1166.9	1184.9	1259.4	1248.1	1327.1	1555.1	2466.9	8727.9	15489.9	14523.9
80°	988.6	997.6	1078.9	1065.3	1153.3	1126.2	1259.4	4448.6	6570.2	5565.8
82.5°	343.1	424.3	823.8	848.6	880.2	681.6	726.8	1814.6	2006.5	1537.0
85°	167.0	178.3	419.8	595.9	593.6	343.1	354.4	647.8	632.0	496.5
87.5°	27.1	33.9	49.7	232.5	185.1	90.3	121.9	126.4	130.9	112.9
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°
5130.2	0°	5130.2	5130.2	5130.2	5130.2	5130.2	5130.2	5130.2	5130.2	5130.2	5130.2
5313.0	2.5°	5186.6	5073.8	4836.8	4617.8	4446.3	4281.5	4189.0	4110.0	4064.9	4055.8
5561.3	5°	5326.5	5094.1	4663.0	4299.6	4062.6	3886.6	3794.0	3735.4	3706.0	3688.0
5895.3	7.5°	5527.4	5186.6	4572.7	4159.7	3911.4	3785.0	3737.6	3728.6	3726.3	3728.6
6299.3	10°	5805.0	5337.8	4563.7	4125.8	3918.2	3848.2	3845.9	3848.2	3857.2	3859.5
6739.4	12.5°	6105.2	5493.6	4599.8	4155.2	4003.9	3965.6	3958.8	3956.5	3963.3	3967.8
7184.1	15°	6432.5	5699.0	4660.7	4218.4	4098.7	4058.1	4051.3	4037.8	4035.5	4033.3
7651.3	17.5°	6768.8	5902.1	4728.4	4286.1	4159.7	4103.2	4078.4	4046.8	4022.0	4015.2
8134.3	20°	7109.6	6103.0	4775.8	4319.9	4164.2	4085.2	4035.5	3981.4	3938.5	3913.7
8621.8	22.5°	7473.0	6312.9	4805.2	4310.9	4123.6	4015.2	3924.9	3861.7	3796.3	3753.4
9113.8	25°	7827.3	6495.7	4802.9	4263.5	4044.6	3906.9	3791.8	3710.5	3620.2	3575.1
9621.6	27.5°	8168.1	6660.4	4746.5	4180.0	3931.7	3778.2	3640.6	3543.5	3455.5	3412.6
10134.0	30°	8520.2	6798.1	4658.5	4058.1	3798.5	3629.3	3478.1	3394.5	3315.5	3274.9
10675.7	32.5°	8870.0	6924.5	4534.3	3906.9	3645.1	3482.6	3333.6	3256.9	3209.5	3209.5
11258.0	35°	9240.2	7012.5	4369.6	3730.8	3482.6	3326.8	3209.5	3164.3	3159.8	3132.7
11874.1	37.5°	9630.7	7069.0	4168.7	3550.3	3322.3	3175.6	3139.5	3085.3	3040.2	2981.5
12551.2	40°	10041.4	7125.4	3927.2	3362.9	3153.0	3071.8	3056.0	2983.8	2855.1	2710.7
13318.6	42.5°	10540.2	7163.7	3676.7	3175.6	2974.7	2947.7	2970.2	2846.1	2640.7	2532.4
14244.0	45°	11118.0	7226.9	3446.5	2990.5	2791.9	2791.9	2886.7	2724.2	2554.9	2487.2
15300.3	47.5°	11867.4	7373.7	3232.0	2787.4	2622.6	2667.8	2701.6	2577.5	2482.7	2399.2
16586.8	50°	12950.7	7725.7	3010.9	2582.0	2494.0	2584.3	2536.9	2464.7	2354.1	2286.4
18631.6	52.5°	14295.9	7933.4	2814.5	2396.9	2383.4	2473.7	2406.0	2338.3	2254.8	2164.5
20182.2	55°	15212.2	7971.8	2649.7	2261.5	2308.9	2299.9	2275.1	2214.1	2169.0	2049.4
21712.4	57.5°	16236.9	8048.5	2514.3	2180.3	2261.5	2162.2	2153.2	2101.3	2042.6	1961.3
23579.0	60°	17462.5	8168.1	2396.9	2148.7	2220.9	2071.9	2026.8	2006.5	1947.8	1907.2
25824.7	62.5°	18798.6	8276.5	2277.3	2153.2	2173.5	1983.9	1916.2	1909.4	1873.3	1859.8
27932.8	65°	19710.5	7980.8	2128.4	2148.7	2099.0	1893.6	1807.9	1805.6	1776.3	1771.8
28846.8	67.5°	19392.2	7044.1	1927.5	2085.5	2022.3	1803.4	1708.6	1699.5	1661.2	1663.4
27892.1	70°	17798.8	5708.0	1649.9	1929.7	1927.5	1722.1	1604.7	1575.4	1523.5	1532.5
24251.6	72.5°	14810.5	4229.6	1277.5	1670.2	1776.3	1647.6	1485.1	1437.7	1372.3	1381.3
17902.6	75°	10696.0	2875.4	929.9	1270.7	1546.1	1559.6	1367.7	1286.5	1207.5	1221.0
9964.7	77.5°	5473.2	1629.6	683.9	875.7	1214.3	1417.4	1261.7	1153.3	1135.3	1261.7
2873.2	80°	1785.3	817.0	474.0	613.9	796.7	1160.1	1105.9	981.8	977.3	1006.6
602.6	82.5°	532.7	345.3	304.7	404.0	440.1	889.3	954.7	742.6	638.7	672.6
200.9	85°	182.8	167.0	173.8	200.9	209.9	521.4	668.1	492.0	464.9	512.3
45.1	87.5°	42.9	58.7	49.7	45.1	45.1	126.4	259.6	205.4	284.4	189.6
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°
5130.2
4055.8
3685.7
3735.4
3861.7
3970.1
4031.0
4022.0
3922.7
3755.7
3575.1
3410.3
3272.7
3211.7
3126.0
2972.5
2690.4
2534.6
2498.5
2396.9
2279.6
2146.4
2051.6
1934.3
1918.5
1859.8
1769.5
1663.4
1541.5
1379.0
1225.6
1243.6
864.4
695.2
505.6
182.8
0.0

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