

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: P954384

Luminaire Tested: **GALN-SB7C-927-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954384
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-SB7C-927-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32356 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

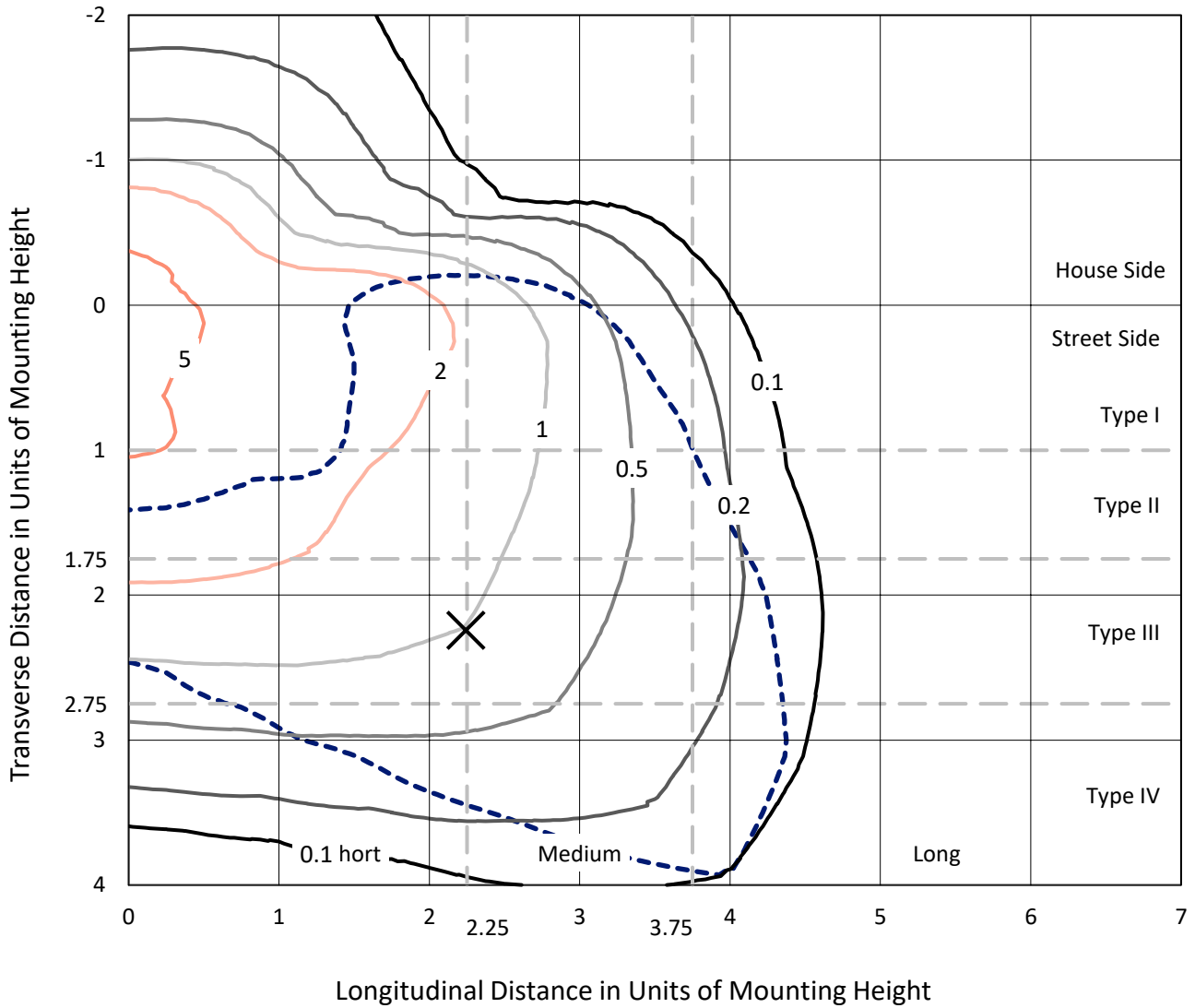
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

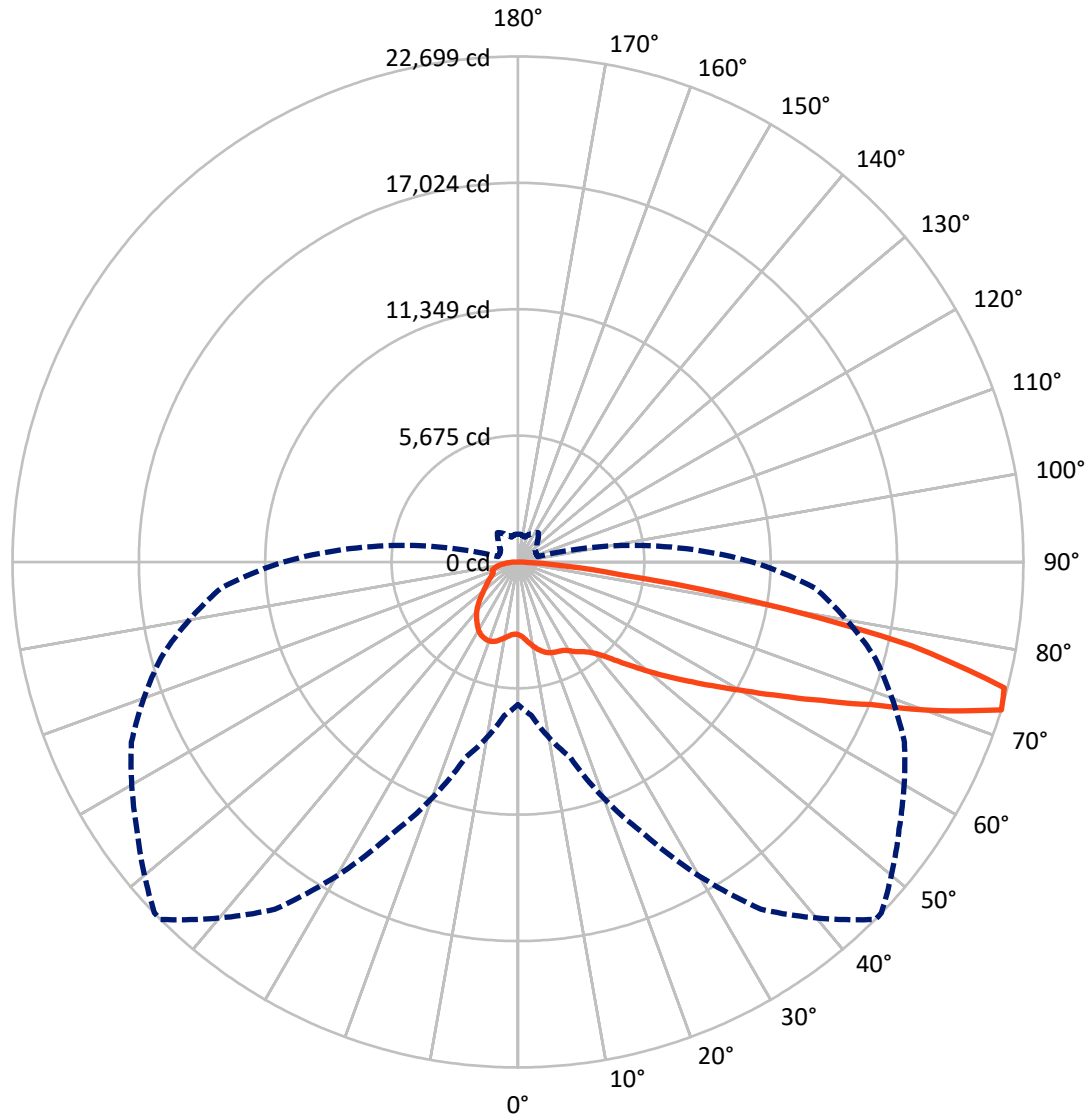
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	7314.6	0.0	7314.6
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	25041.4	0.0	25041.4
	% Fixture	77.4	0.0	77.4
Total	Lumens	32356.0	0.0	32356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.2	1.0
10°-20°	1107.7	3.4
20°-30°	1926.8	6.0
30°-40°	2762.2	8.5
40°-50°	3889.4	12.0
50°-60°	5957.4	18.4
60°-70°	8630.2	26.7
70°-80°	6891.7	21.3
80°-90°	858.3	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°	32356.0	100.0
0°-180°	32356.0	100.0

Coefficient of Utilization



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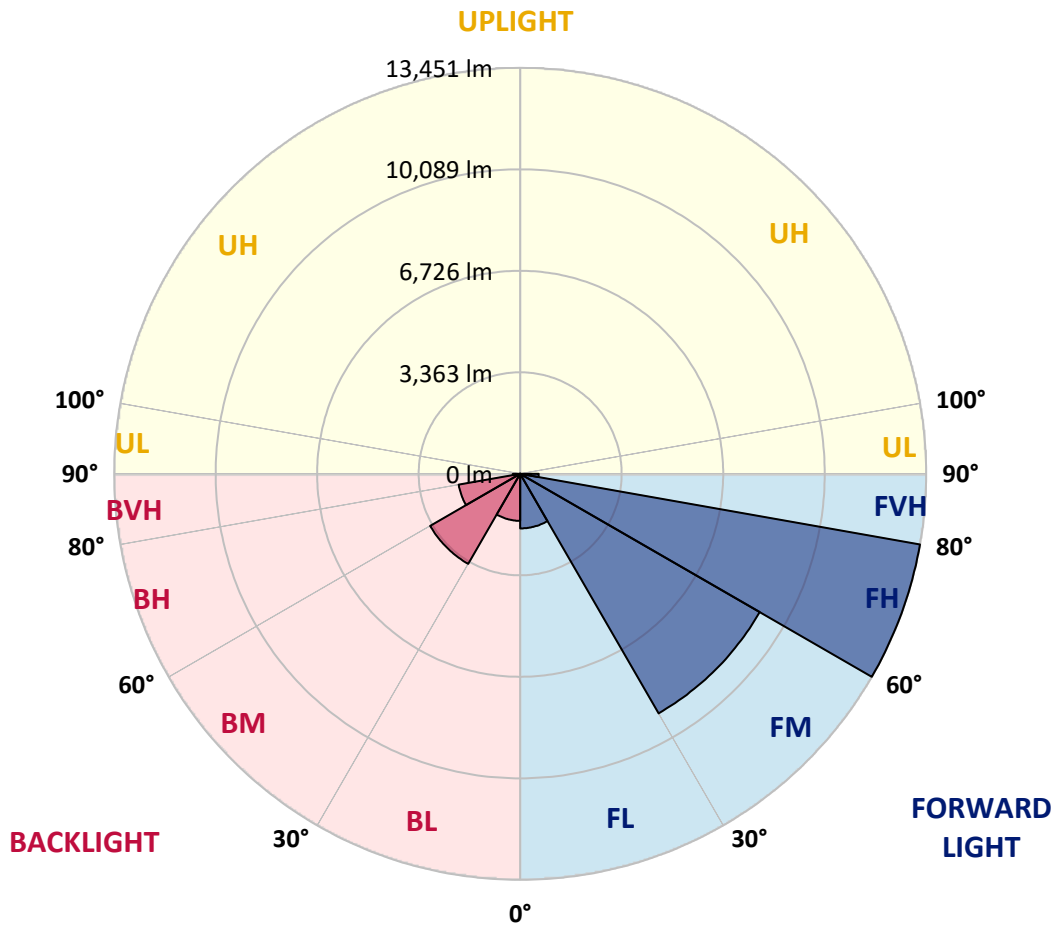
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1809.4	5.6			
FM (30°-60°)	9164.9	28.3			
FH (60°-80°)	13451.3	41.6			G5
FVH (80°-90°)	615.8	1.9			G4/750
BL (0°-30°)	1557.3	4.8	B3/2500		
BM (30°-60°)	3444.1	10.6	B3/5000		
BH (60°-80°)	2070.6	6.4	B3/2500		G3/2500
BVH (80°-90°)	242.6	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°	3264.1	3264.1	3264.1	3264.1	3264.1	3264.1	3264.1	3264.1	3264.1	3264.1
2.5°	3391.9	3414.1	3393.6	3374.9	3366.4	3344.2	3342.5	3328.9	3320.3	3296.5
5°	3628.9	3657.8	3623.7	3586.2	3552.1	3497.6	3490.8	3451.6	3407.3	3356.1
7.5°	3896.5	3922.0	3882.8	3826.6	3766.9	3676.6	3674.9	3603.3	3533.4	3446.5
10°	4130.0	4164.1	4111.2	4034.5	3959.5	3857.3	3845.3	3763.5	3674.9	3562.4
12.5°	4336.2	4360.1	4308.9	4215.2	4128.3	4026.0	4010.7	3920.3	3821.5	3693.6
15°	4499.8	4530.5	4462.3	4361.8	4269.7	4169.2	4155.5	4073.7	3974.9	3840.2
17.5°	4607.2	4632.8	4562.9	4450.4	4361.8	4278.3	4268.0	4199.9	4112.9	3976.6
20°	4648.1	4675.4	4602.1	4487.9	4406.1	4341.3	4336.2	4286.8	4227.1	4102.7
22.5°	4689.0	4714.6	4619.2	4499.8	4428.3	4387.3	4385.6	4353.3	4329.4	4227.1
25°	4854.4	4861.2	4733.4	4561.2	4458.9	4423.1	4421.4	4419.7	4430.0	4349.8
27.5°	4997.6	4995.8	4886.8	4724.8	4566.3	4491.3	4489.6	4506.7	4539.0	4472.6
30°	5207.2	5188.5	5058.9	4890.2	4745.3	4629.4	4619.2	4603.8	4629.4	4576.5
32.5°	5652.1	5592.4	5382.8	5082.8	4893.6	4804.9	4791.3	4695.9	4706.1	4673.7
35°	6289.6	6211.1	5931.6	5447.5	5077.7	4951.5	4944.7	4823.7	4803.2	4774.3
37.5°	7048.0	6950.9	6625.3	5975.9	5394.7	5122.0	5111.8	5002.7	4919.1	4888.5
40°	7810.0	7687.2	7417.9	6620.2	5861.7	5406.6	5374.2	5208.9	5113.5	5062.3
42.5°	8549.7	8447.4	8217.3	7342.9	6437.8	5822.5	5750.9	5468.0	5396.4	5348.7
45°	9204.2	9112.2	8943.4	8115.1	7112.8	6388.4	6318.5	5856.6	5834.5	5834.5
47.5°	9736.0	9715.6	9536.6	8902.5	7908.8	7032.7	6911.7	6396.9	6456.6	6548.6
50°	10325.8	10269.5	10078.6	9678.1	8844.6	7770.8	7671.9	7060.0	7283.3	7535.5
52.5°	10867.8	10898.5	10685.4	10486.0	9901.4	8594.0	8420.2	7842.3	8324.7	8742.3
55°	11425.2	11426.9	11367.2	11339.9	11009.3	9504.2	9313.3	8783.2	9550.2	10068.4
57.5°	11948.4	11951.9	12040.5	12280.8	12294.5	10554.2	10337.7	9938.9	10912.1	11440.5
60°	12415.5	12439.3	12681.4	13243.9	13424.5	11757.5	11553.0	11304.2	12320.0	12851.8
62.5°	12572.3	12659.2	13197.8	13997.2	14541.0	13233.6	13032.5	12884.2	13799.5	14293.8
65°	12306.4	12505.8	13547.3	14619.4	15689.8	14987.5	14788.1	14626.2	15337.0	15802.3
67.5°	11653.6	11910.9	13526.8	15272.2	17084.1	17097.7	16911.9	16531.8	16985.2	17164.2
70°	9933.7	10319.0	12335.4	15515.9	18684.6	19983.4	19804.4	18826.0	18630.0	17764.2
72.5°	6400.3	6918.5	9083.2	13509.8	19040.8	22698.6	22688.4	20897.0	19149.9	16598.3
75°	2335.1	2652.2	4220.3	8479.8	15983.0	22560.6	22627.1	20542.5	17481.2	12821.1
77.5°	850.5	930.6	1377.2	3259.0	9829.8	18101.6	18239.7	16422.7	12442.7	6434.4
80°	446.6	490.9	705.7	1264.7	4211.8	10750.2	10966.7	9759.9	5848.1	1938.0
82.5°	247.2	267.6	395.4	686.9	1897.1	4597.0	4726.5	3855.5	2057.3	821.6
85°	132.9	141.5	185.8	375.0	927.2	1593.7	1629.5	1152.2	819.9	482.4
87.5°	39.2	47.7	61.4	119.3	363.1	357.9	366.5	228.4	323.9	243.7
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°
3264.1	0°	3264.1	3264.1	3264.1	3264.1	3264.1	3264.1	3264.1	3264.1	3264.1	3264.1
3289.7	2.5°	3279.4	3274.3	3255.6	3247.0	3236.8	3235.1	3243.6	3245.3	3247.0	3248.8
3327.2	5°	3310.1	3293.1	3276.0	3265.8	3269.2	3270.9	3288.0	3299.9	3308.4	3315.2
3397.0	7.5°	3369.8	3356.1	3327.2	3325.5	3330.6	3345.9	3368.1	3395.3	3410.7	3422.6
3487.4	10°	3458.4	3432.8	3398.7	3403.9	3414.1	3436.2	3482.3	3504.4	3530.0	3552.1
3598.2	12.5°	3548.7	3526.6	3487.4	3490.8	3507.8	3547.0	3591.4	3618.6	3635.7	3652.7
3717.5	15°	3666.3	3627.1	3584.5	3584.5	3615.2	3657.8	3678.3	3700.4	3710.7	3729.4
3845.3	17.5°	3787.4	3736.2	3680.0	3676.6	3714.1	3734.5	3746.5	3749.9	3753.3	3773.7
3969.7	20°	3908.4	3852.1	3772.0	3765.2	3773.7	3770.3	3768.6	3765.2	3770.3	3795.9
4097.6	22.5°	4027.7	3962.9	3852.1	3821.5	3797.6	3765.2	3763.5	3761.8	3765.2	3790.8
4235.6	25°	4167.5	4089.1	3940.8	3848.7	3768.6	3724.3	3729.4	3731.1	3734.5	3755.0
4378.8	27.5°	4319.2	4232.2	4022.6	3840.2	3695.3	3664.6	3656.1	3661.2	3673.2	3705.6
4522.0	30°	4470.9	4368.6	4097.6	3806.1	3603.3	3560.7	3533.4	3545.3	3582.8	3615.2
4646.4	32.5°	4608.9	4506.7	4157.2	3731.1	3485.7	3419.2	3383.4	3398.7	3436.2	3448.2
4784.5	35°	4770.9	4655.0	4182.8	3611.8	3357.8	3255.6	3207.8	3185.7	3204.4	3192.5
4946.4	37.5°	4951.5	4830.5	4179.4	3455.0	3207.8	3090.2	3023.8	2940.2	2901.0	2860.1
5185.0	40°	5219.1	5045.3	4138.5	3265.8	3022.1	2914.7	2795.4	2653.9	2565.3	2485.1
5570.3	42.5°	5583.9	5343.6	4063.5	3057.8	2812.4	2711.8	2549.9	2384.6	2244.8	2111.9
6154.9	45°	6127.6	5733.9	3969.7	2836.3	2585.7	2486.8	2311.3	2125.5	1967.0	1796.5
6985.0	47.5°	6911.7	6258.9	3881.1	2584.0	2347.1	2256.7	2098.2	1926.1	1738.6	1573.2
8184.9	50°	7988.9	7012.3	3799.3	2338.6	2111.9	2043.7	1917.5	1742.0	1552.8	1419.8
9591.1	52.5°	9359.3	8036.7	3765.2	2101.6	1892.0	1866.4	1765.8	1602.2	1423.2	1310.7
11230.9	55°	10932.6	9262.2	3765.2	1874.9	1699.4	1707.9	1638.0	1486.3	1331.2	1230.6
12921.7	57.5°	12538.2	10503.0	3697.0	1665.3	1535.7	1571.5	1527.2	1394.3	1254.5	1150.5
14699.5	60°	14017.7	11542.8	3420.9	1474.4	1390.9	1447.1	1418.1	1303.9	1133.5	1046.6
16185.8	62.5°	15154.6	12129.1	2889.1	1322.7	1271.5	1336.3	1321.0	1184.6	1111.3	1075.5
17406.2	65°	15723.9	12033.7	2209.0	1188.0	1171.0	1271.5	1239.2	1234.0	1176.1	1135.2
17803.4	67.5°	15374.5	11212.1	1602.2	1089.2	1113.0	1211.9	1336.3	1356.8	1249.4	1169.3
16685.2	70°	13842.1	9725.8	1193.1	995.4	1039.7	1213.6	1523.8	1419.8	1225.5	1131.8
13381.9	72.5°	10530.3	7252.6	925.5	896.6	944.3	1222.1	1607.3	1390.9	1157.3	1251.1
8336.6	75°	6021.9	3981.7	743.2	775.5	825.0	1142.0	1564.7	1315.9	1104.5	1148.8
3303.3	77.5°	2295.9	1530.6	613.6	656.2	663.0	997.1	1496.5	1310.7	1051.7	1026.1
990.3	80°	796.0	598.3	507.9	521.6	513.1	886.3	1435.2	1140.3	860.8	770.4
409.1	82.5°	325.6	298.3	402.3	385.2	364.8	688.6	1159.1	932.4	704.0	622.1
197.7	85°	141.5	189.2	265.9	233.5	211.4	477.3	928.9	789.2	594.9	513.1
64.8	87.5°	29.0	71.6	112.5	105.7	109.1	318.7	659.6	560.8	421.0	315.3
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°
3264.1
3255.6
3318.6
3426.0
3547.0
3659.5
3736.2
3780.5
3806.1
3807.8
3782.3
3737.9
3651.0
3490.8
3230.0
2885.7
2490.3
2099.9
1776.1
1554.5
1411.3
1302.2
1220.4
1133.5
1032.9
1063.6
1121.6
1155.6
1116.4
1240.9
1148.8
935.8
744.9
615.3
511.3
247.2
0.0

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