

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: P955157

Luminaire Tested: **GALN-SB8A-940-U-T2U**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955157  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB8A-940-U-T2U  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

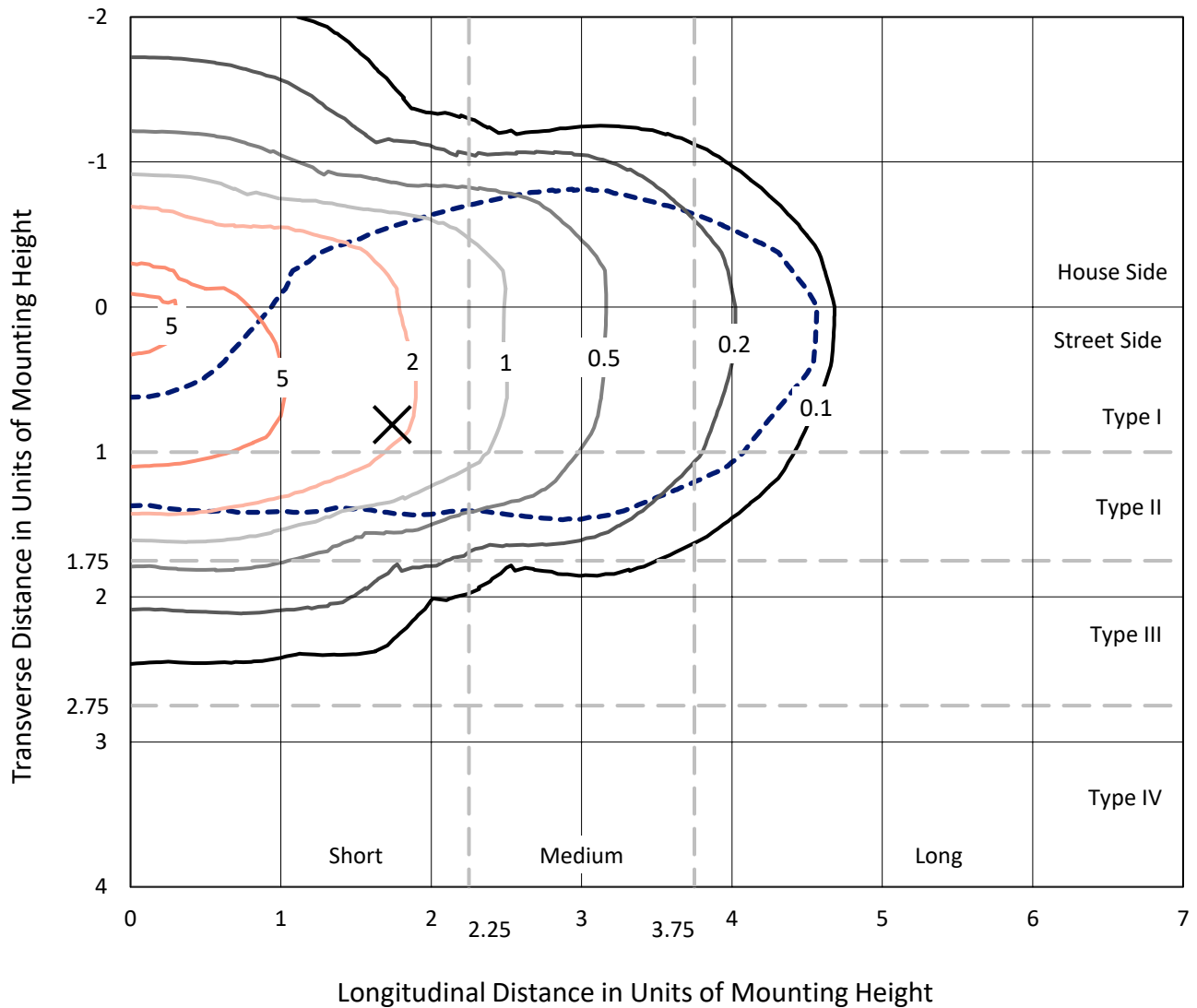
Lumens per Lamp: N/A  
Luminaire Lumens: 26637 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): 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

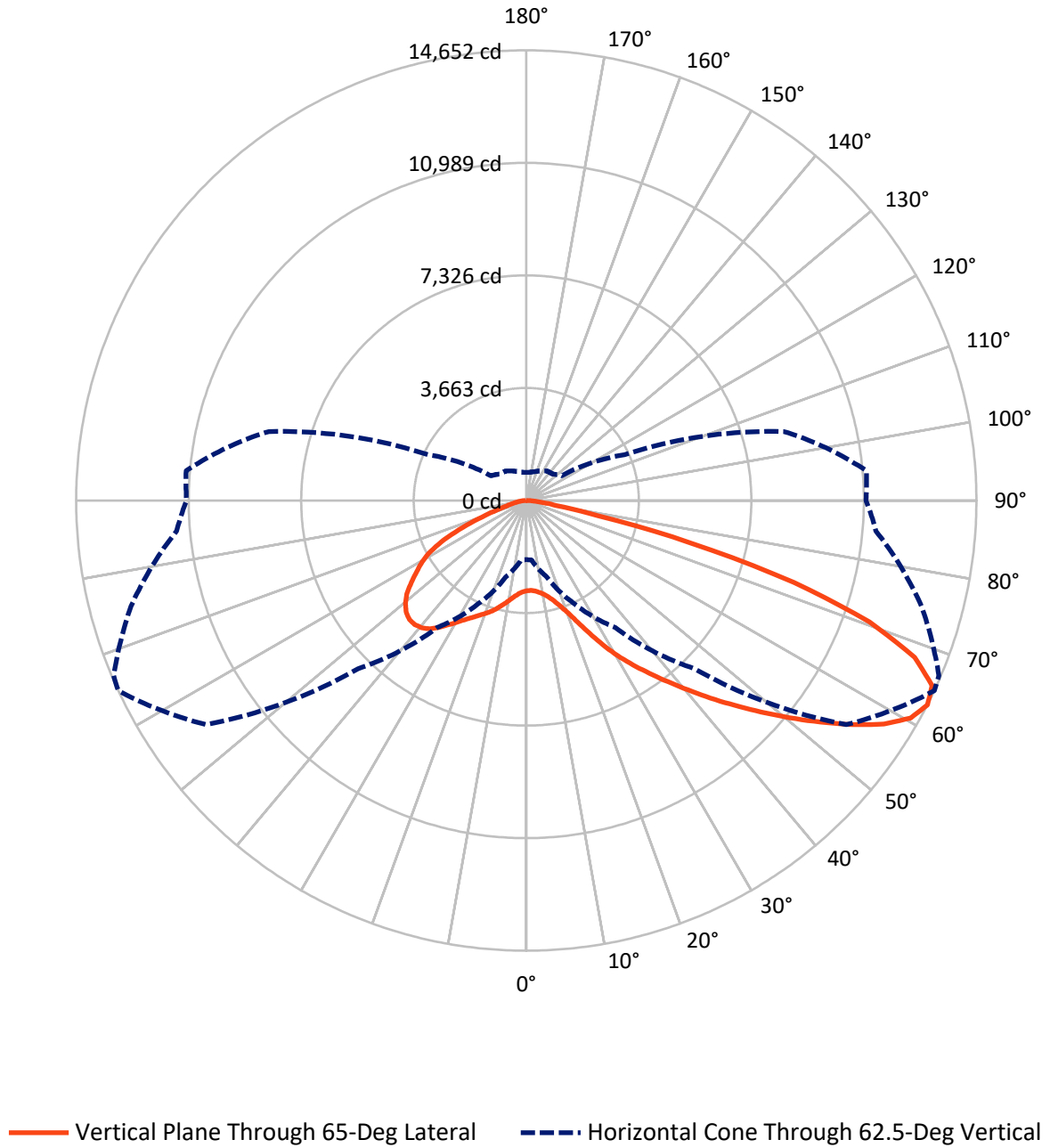
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8405.5	0.0	8405.5
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	18231.5	0.0	18231.5
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	26637.0	0.0	26637.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.6	1.1
10°-20°	992.4	3.7
20°-30°	2012.2	7.6
30°-40°	3482.0	13.1
40°-50°	5269.4	19.8
50°-60°	6178.0	23.2
60°-70°	5179.5	19.4
70°-80°	2859.5	10.7
80°-90°	371.4	1.4
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°	26637.0	100.0
0°-180°	26637.0	100.0

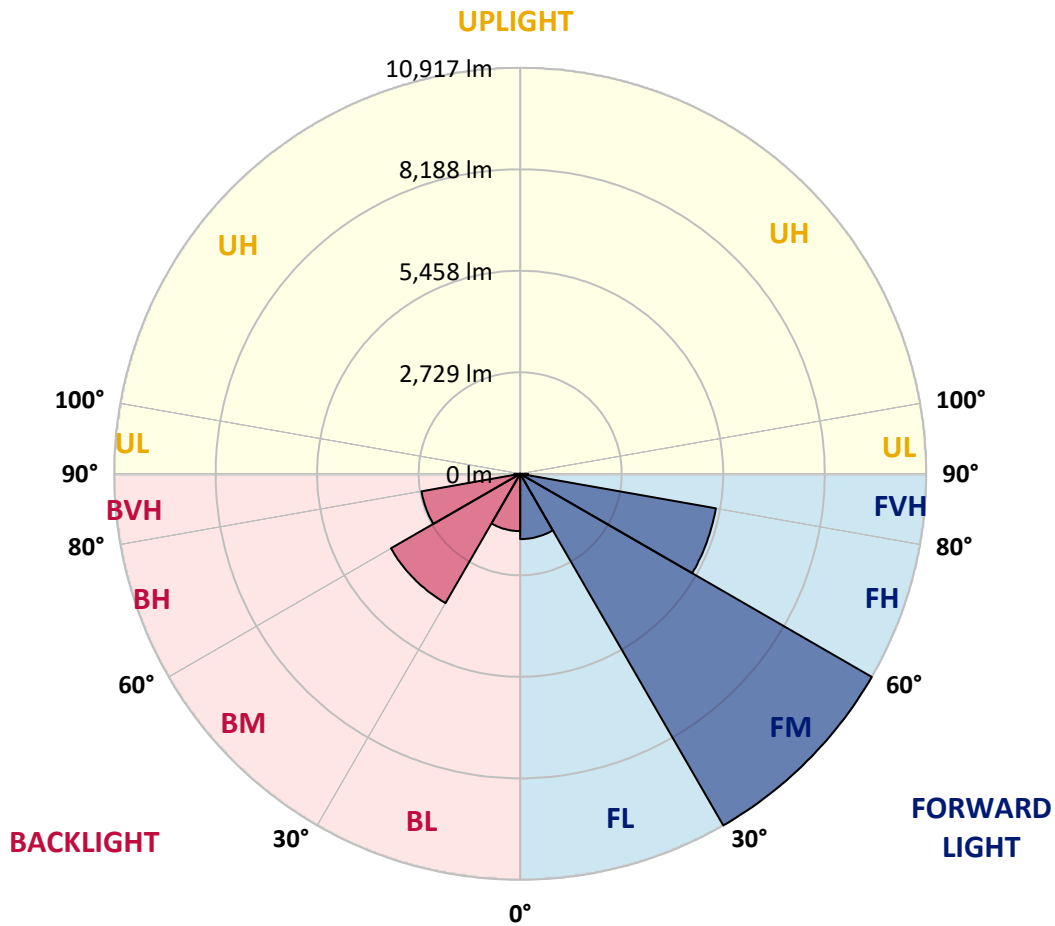


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1755.7	6.6			
FM (30°-60°)	10916.7	41.0			
FH (60°-80°)	5342.6	20.1			G3/7500
FVH (80°-90°)	216.5	0.8			G2/225
BL (0°-30°)	1541.5	5.8	B3/2500		
BM (30°-60°)	4012.7	15.1	B3/5000		
BH (60°-80°)	2696.4	10.1	B4/5000		G4/5000
BVH (80°-90°)	155.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3
2.5°	2915.9	2907.6	2914.6	2914.6	2917.3	2915.9	2925.6	2928.4	2932.5	2940.8
5°	2886.9	2885.5	2898.0	2909.0	2920.1	2929.8	2942.2	2960.2	2962.9	2972.6
7.5°	2877.2	2868.9	2888.3	2902.1	2928.4	2951.9	2985.0	3015.4	3027.9	3032.0
10°	2951.9	2938.0	2956.0	2964.3	2986.4	3009.9	3048.6	3097.0	3110.8	3127.4
12.5°	3079.0	3063.8	3090.1	3102.5	3123.2	3144.0	3170.2	3217.2	3224.1	3254.5
15°	3253.1	3235.2	3251.8	3267.0	3301.5	3320.8	3347.1	3392.7	3392.7	3416.2
17.5°	3489.4	3466.0	3478.4	3483.9	3506.0	3535.1	3579.3	3619.4	3640.1	3631.8
20°	3841.8	3812.8	3812.8	3785.2	3776.9	3800.4	3858.4	3913.7	3935.8	3893.0
22.5°	4371.1	4329.7	4306.2	4212.2	4174.9	4177.7	4235.7	4303.4	4321.4	4245.4
25°	5044.2	4979.2	4947.4	4809.2	4724.9	4651.7	4697.3	4784.3	4809.2	4715.2
27.5°	5717.2	5721.3	5690.9	5525.1	5385.5	5251.4	5228.0	5319.2	5345.4	5239.0
30°	6661.0	6562.9	6504.9	6305.9	6106.9	5918.9	5822.2	5859.5	5866.4	5739.3
32.5°	7475.0	7450.1	7325.8	7151.6	6896.0	6601.6	6439.9	6380.5	6369.5	6188.4
35°	8402.3	8388.5	8257.2	8049.9	7773.5	7364.5	7072.9	6902.9	6889.1	6634.8
37.5°	9344.8	9344.8	9216.3	8989.6	8703.6	8192.3	7748.6	7479.2	7434.9	7103.3
40°	10096.6	10051.0	10074.5	9979.1	9651.6	9108.5	8499.1	8108.0	8048.5	7650.5
42.5°	10523.6	10508.4	10649.4	10755.8	10621.7	10187.8	9325.5	8789.3	8706.3	8253.1
45°	10619.0	10602.4	10853.9	11243.6	11431.6	11253.3	10223.7	9506.5	9405.6	8883.2
47.5°	10399.2	10366.1	10735.1	11350.0	11952.6	12266.3	11196.6	10284.5	10138.1	9496.8
50°	9738.7	9706.9	10265.2	11081.9	12128.1	12954.5	12252.5	11109.6	10885.7	10154.6
52.5°	8302.8	8318.0	9192.8	10314.9	11897.3	13382.9	13161.8	11978.8	11709.3	10827.7
55°	6467.6	6500.7	7575.9	8811.4	10974.1	13317.9	13782.3	12874.3	12606.2	11460.6
57.5°	4630.9	4777.4	5784.9	7007.9	9201.1	12288.4	13917.7	13725.6	13465.8	12151.6
60°	3001.6	3027.9	4064.3	5297.1	7006.5	10458.7	13642.7	14371.0	14167.8	12856.4
62.5°	1923.7	1941.7	2573.2	3705.0	5042.8	7737.6	12716.8	14651.5	14589.3	13322.1
65°	1413.7	1399.9	1728.8	2448.8	3396.9	4771.9	10918.9	14516.1	14639.1	13613.7
67.5°	1180.2	1160.8	1322.5	1695.7	2502.7	2710.0	8078.9	13635.8	14086.3	13580.5
70°	1075.2	1058.6	1156.7	1259.0	1952.7	1814.5	4072.6	11854.4	12548.2	13203.2
72.5°	910.7	881.7	1015.7	1118.0	1518.8	1391.6	1683.2	9105.7	9951.5	11994.0
75°	706.2	686.8	801.5	984.0	1141.5	1086.2	1064.1	5529.2	6452.4	9275.7
77.5°	559.7	533.4	638.5	767.0	1026.8	819.5	775.3	2381.1	3296.0	5921.7
80°	421.5	398.0	485.1	606.7	789.1	617.7	501.7	971.5	1242.4	3000.2
82.5°	299.9	279.2	338.6	445.0	530.7	554.2	308.2	544.5	612.2	1156.7
85°	192.1	179.7	226.6	279.2	337.2	356.5	187.9	284.7	312.3	476.8
87.5°	105.0	85.7	121.6	129.9	156.2	142.3	89.8	103.6	111.9	172.7
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°
2935.3	0°	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3	2935.3
2940.8	2.5°	2946.3	2950.5	2964.3	2968.4	2978.1	2990.6	2998.9	3007.1	3007.1	3015.4
2985.0	5°	2986.4	2996.1	3025.1	3040.3	3065.2	3090.1	3105.3	3123.2	3134.3	3139.8
3055.5	7.5°	3063.8	3079.0	3120.5	3146.7	3189.6	3224.1	3247.6	3272.5	3278.0	3293.2
3153.6	10°	3168.8	3186.8	3233.8	3283.5	3334.7	3377.5	3399.6	3417.6	3424.5	3427.3
3279.4	12.5°	3289.1	3315.3	3376.1	3436.9	3490.8	3528.1	3533.7	3529.5	3510.2	3493.6
3434.2	15°	3436.9	3460.4	3528.1	3594.5	3647.0	3653.9	3619.4	3597.2	3573.7	3569.6
3606.9	17.5°	3613.8	3626.3	3688.4	3753.4	3757.5	3734.1	3682.9	3662.2	3640.1	3624.9
3832.2	20°	3819.7	3815.6	3859.8	3887.5	3858.4	3786.6	3709.2	3674.6	3652.5	3634.6
4108.6	22.5°	4065.7	4033.9	4028.4	4021.5	3944.1	3793.5	3688.4	3644.2	3609.7	3584.8
4494.1	25°	4423.7	4302.0	4217.7	4170.8	3996.6	3756.2	3622.1	3524.0	3459.0	3416.2
4965.4	27.5°	4871.4	4666.9	4454.1	4339.4	3996.6	3680.2	3461.8	3302.9	3196.5	3152.2
5421.4	30°	5298.4	5084.2	4770.5	4542.5	3987.0	3555.8	3203.4	2982.3	2857.9	2813.7
5811.1	32.5°	5663.3	5429.7	5106.3	4765.0	3963.5	3354.0	2882.8	2638.2	2517.9	2465.4
6196.7	35°	6001.8	5753.1	5443.5	5009.6	3901.3	3058.3	2530.4	2343.8	2209.8	2125.5
6589.2	37.5°	6348.7	6053.0	5762.8	5230.7	3789.3	2712.8	2259.5	2100.6	1943.0	1829.7
7006.5	40°	6726.0	6372.2	6104.1	5362.0	3605.5	2383.9	2049.4	1904.3	1737.1	1616.9
7487.5	42.5°	7166.8	6755.0	6484.2	5429.7	3354.0	2150.3	1912.6	1770.3	1612.7	1514.6
8002.9	45°	7627.0	7176.5	6831.0	5428.3	3073.5	2041.2	1868.4	1727.4	1553.3	1451.1
8532.2	47.5°	8109.3	7617.4	7130.9	5339.9	2830.3	2056.4	1843.5	1634.9	1442.8	1343.3
9067.0	50°	8593.0	8099.7	7421.1	5174.1	2726.6	2023.2	1750.9	1505.0	1278.3	1188.5
9568.7	52.5°	9072.6	8612.4	7671.3	4937.7	2621.6	1900.2	1632.1	1336.4	1210.6	1148.4
10086.9	55°	9554.9	9119.6	7943.5	4593.6	2359.0	1756.5	1433.1	1272.8	1156.7	1100.0
10594.1	57.5°	10038.6	9705.5	8201.9	4249.5	2028.7	1579.6	1323.9	1195.4	1102.8	1054.4
11018.4	60°	10541.6	10375.8	8468.6	3933.1	1702.6	1352.9	1243.8	1133.2	1039.2	985.3
11426.0	62.5°	11059.8	11113.7	8677.3	3525.4	1402.7	1214.7	1171.9	1058.6	967.4	916.2
11763.2	65°	11582.2	11825.4	8814.1	2960.2	1137.4	1083.5	1094.5	977.0	884.5	840.2
12010.6	67.5°	11976.1	12338.1	8775.4	2240.2	932.8	959.1	997.8	891.4	804.3	769.8
11970.5	70°	12020.3	12277.3	8394.0	1534.0	780.8	837.5	890.0	807.1	717.2	692.4
11406.7	72.5°	11431.6	11448.2	7331.3	1001.9	660.6	735.2	776.7	721.4	634.3	609.4
9979.1	75°	9887.9	9467.8	5382.7	660.6	552.8	631.6	670.3	631.6	547.3	552.8
7466.7	77.5°	7491.6	6705.3	3268.3	469.9	461.6	530.7	583.2	555.5	483.7	543.1
3754.8	80°	3859.8	3627.6	1458.0	351.0	364.8	424.3	479.5	443.6	382.8	364.8
838.8	82.5°	884.5	1028.2	574.9	251.5	264.0	305.4	366.2	333.1	275.0	232.2
349.6	85°	309.6	338.6	254.3	157.5	154.8	190.7	248.8	222.5	186.6	149.3
147.9	87.5°	98.1	128.5	95.4	63.6	66.3	85.7	114.7	105.0	87.1	56.7
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°
2935.3
3015.4
3142.6
3287.7
3420.3
3493.6
3569.6
3626.3
3635.9
3593.1
3432.8
3174.4
2839.9
2491.7
2153.1
1860.1
1640.4
1534.0
1467.6
1357.1
1194.0
1148.4
1094.5
1046.1
981.2
914.9
838.8
771.1
693.7
608.1
533.4
478.2
333.1
229.4
157.5
59.4
0.0

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