

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: P956883

Luminaire Tested: **GALN-SB9B-927-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956883  
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-SB9B-927-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

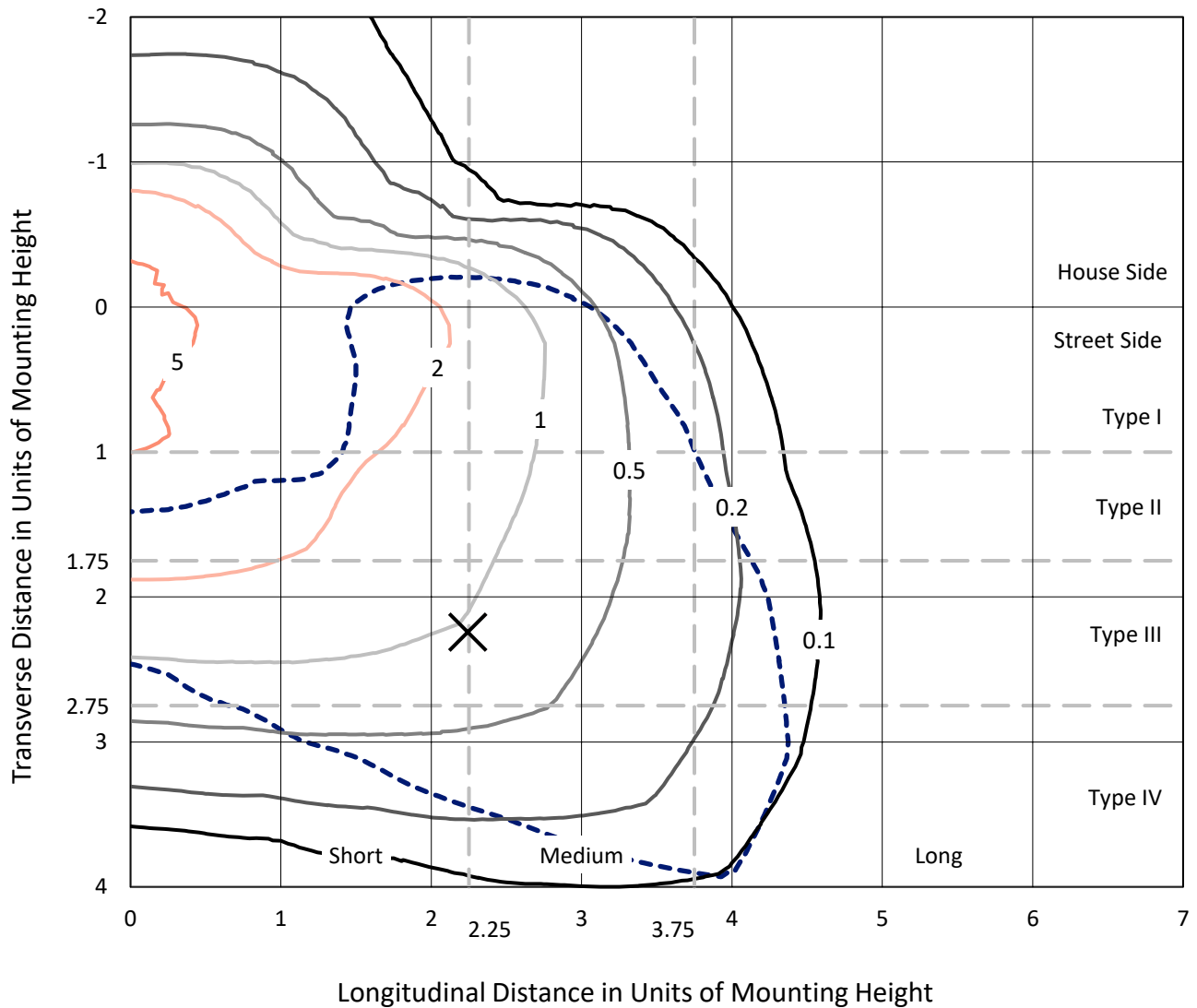
Lumens per Lamp: N/A  
Luminaire Lumens: 31159 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

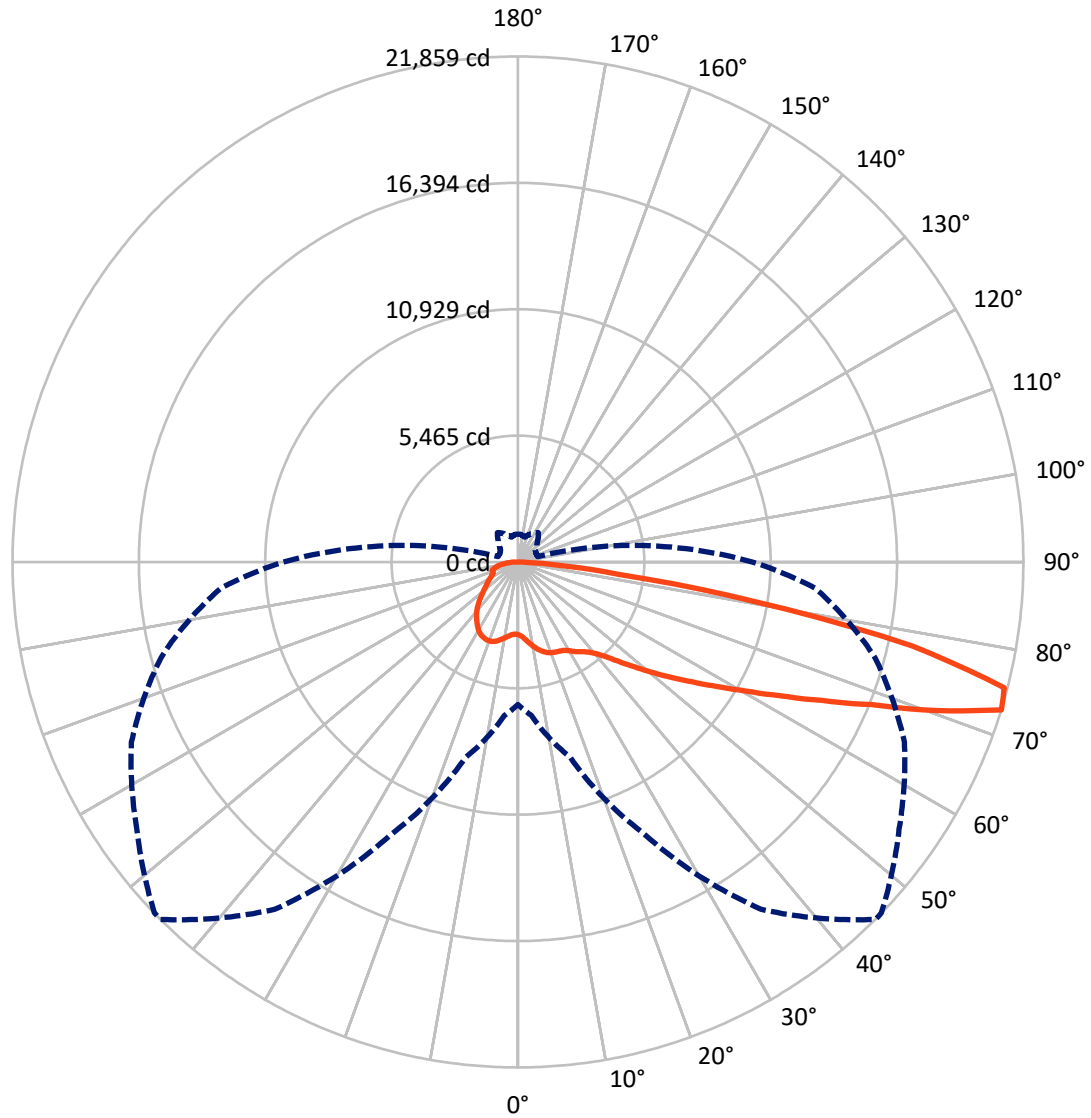
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P956883  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P956883

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7044.0	0.0	7044.0
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	24115.0	0.0	24115.0
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	31159.0	0.0	31159.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.9	1.0
10°-20°	1066.7	3.4
20°-30°	1855.6	6.0
30°-40°	2660.0	8.5
40°-50°	3745.5	12.0
50°-60°	5737.0	18.4
60°-70°	8310.9	26.7
70°-80°	6636.8	21.3
80°-90°	826.6	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°	31159.0	100.0
0°-180°	31159.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P956883

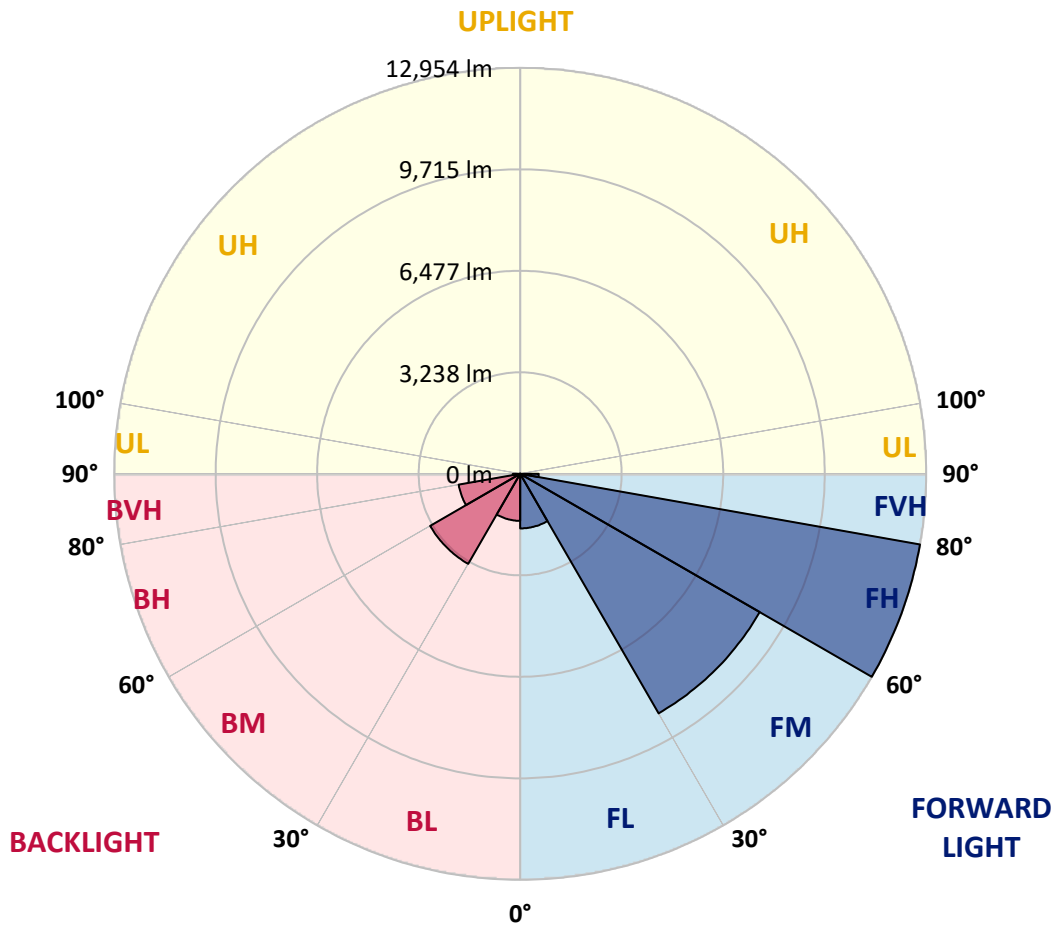
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1742.5	5.6			
FM (30°-60°)	8825.9	28.3			
FH (60°-80°)	12953.7	41.6			G5
FVH (80°-90°)	593.0	1.9			G4/750
BL (0°-30°)	1499.7	4.8	B3/2500		
BM (30°-60°)	3316.7	10.6	B3/5000		
BH (60°-80°)	1994.0	6.4	B3/2500		G3/2500
BVH (80°-90°)	233.6	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



REPORT NUMBER: P956883  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3143.3	3143.3	3143.3	3143.3	3143.3	3143.3	3143.3	3143.3	3143.3	3143.3
2.5°	3266.4	3287.8	3268.1	3250.0	3241.8	3220.5	3218.8	3205.7	3197.5	3174.5
5°	3494.6	3522.5	3489.7	3453.6	3420.7	3368.2	3361.6	3323.9	3281.2	3232.0
7.5°	3752.3	3776.9	3739.2	3685.0	3627.6	3540.6	3538.9	3470.0	3402.7	3319.0
10°	3977.2	4010.0	3959.1	3885.3	3813.0	3714.6	3703.1	3624.3	3538.9	3430.6
12.5°	4175.8	4198.8	4149.5	4059.3	3975.5	3877.1	3862.3	3775.3	3680.1	3557.0
15°	4333.4	4362.9	4297.3	4200.4	4111.8	4014.9	4001.8	3923.0	3827.8	3698.1
17.5°	4436.8	4461.4	4394.1	4285.8	4200.4	4120.0	4110.1	4044.5	3960.8	3829.5
20°	4476.2	4502.4	4431.9	4321.9	4243.1	4180.7	4175.8	4128.2	4070.7	3950.9
22.5°	4515.6	4540.2	4448.3	4333.4	4264.4	4225.0	4223.4	4192.2	4169.2	4070.7
25°	4674.8	4681.4	4558.2	4392.5	4294.0	4259.5	4257.9	4256.2	4266.1	4188.9
27.5°	4812.7	4811.0	4706.0	4550.0	4397.4	4325.2	4323.5	4339.9	4371.1	4307.1
30°	5014.6	4996.5	4871.8	4709.3	4569.7	4458.1	4448.3	4433.5	4458.1	4407.2
32.5°	5443.0	5385.5	5183.6	4894.7	4712.5	4627.2	4614.1	4522.1	4532.0	4500.8
35°	6056.9	5981.4	5712.2	5246.0	4889.8	4768.4	4761.8	4645.2	4625.5	4597.6
37.5°	6787.3	6693.7	6380.2	5754.9	5195.1	4932.5	4922.6	4817.6	4737.2	4707.6
40°	7521.0	7402.8	7143.5	6375.3	5644.9	5206.6	5175.4	5016.2	4924.3	4875.0
42.5°	8233.4	8134.9	7913.3	7071.3	6199.7	5607.1	5538.2	5265.7	5196.8	5150.8
45°	8863.7	8775.1	8612.6	7814.8	6849.7	6152.1	6084.8	5640.0	5618.6	5618.6
47.5°	9375.8	9356.1	9183.8	8573.2	7616.2	6772.5	6656.0	6160.3	6217.7	6306.4
50°	9943.8	9889.6	9705.8	9320.0	8517.4	7483.3	7388.1	6798.8	7013.8	7256.8
52.5°	10465.8	10495.3	10290.1	10098.1	9535.1	8276.1	8108.7	7552.2	8016.7	8418.9
55°	11002.5	11004.1	10946.7	10920.4	10602.0	9152.6	8968.8	8458.3	9196.9	9695.9
57.5°	11506.4	11509.7	11595.1	11826.5	11839.6	10163.7	9955.3	9571.2	10508.4	11017.3
60°	11956.2	11979.1	12212.2	12753.9	12927.9	11322.6	11125.6	10886.0	11864.2	12376.4
62.5°	12107.2	12190.9	12709.6	13479.4	14003.0	12744.1	12550.4	12407.6	13289.0	13765.0
65°	11851.1	12043.2	13046.1	14078.5	15109.4	14433.1	14241.0	14085.1	14769.6	15217.7
67.5°	11222.5	11470.3	13026.4	14707.2	16452.0	16465.2	16286.3	15920.2	16356.8	16529.2
70°	9566.2	9937.2	11879.0	14941.9	17993.3	19244.1	19071.8	18129.6	17940.8	17107.0
72.5°	6163.6	6662.6	8747.2	13010.0	18336.4	21858.9	21849.1	20123.9	18441.5	15984.2
75°	2248.8	2554.1	4064.2	8166.1	15391.7	21726.0	21790.0	19782.5	16834.5	12346.8
77.5°	819.1	896.2	1326.3	3138.4	9466.1	17432.0	17564.9	15815.2	11982.4	6196.4
80°	430.1	472.7	679.6	1217.9	4056.0	10352.5	10561.0	9398.8	5631.7	1866.3
82.5°	238.0	257.7	380.8	661.5	1826.9	4426.9	4551.7	3712.9	1981.2	791.2
85°	128.0	136.2	178.9	361.1	892.9	1534.7	1569.2	1109.6	789.5	464.5
87.5°	37.8	46.0	59.1	114.9	349.6	344.7	352.9	220.0	311.9	234.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956883  
 CATALOG NUMBER: GALN-SB9B-927-U-T4W

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3143.3	0°	3143.3	3143.3	3143.3	3143.3	3143.3	3143.3	3143.3	3143.3	3143.3	3143.3
3168.0	2.5°	3158.1	3153.2	3135.1	3126.9	3117.1	3115.4	3123.6	3125.3	3126.9	3128.6
3204.1	5°	3187.7	3171.2	3154.8	3145.0	3148.3	3149.9	3166.3	3177.8	3186.0	3192.6
3271.4	7.5°	3245.1	3232.0	3204.1	3202.4	3207.4	3222.1	3243.5	3269.7	3284.5	3296.0
3358.4	10°	3330.5	3305.8	3273.0	3277.9	3287.8	3309.1	3353.4	3374.8	3399.4	3420.7
3465.1	12.5°	3417.5	3396.1	3358.4	3361.6	3378.1	3415.8	3458.5	3484.8	3501.2	3517.6
3580.0	15°	3530.7	3493.0	3451.9	3451.9	3481.5	3522.5	3542.2	3563.5	3573.4	3591.4
3703.1	17.5°	3647.3	3598.0	3543.8	3540.6	3576.7	3596.4	3607.9	3611.1	3614.4	3634.1
3822.9	20°	3763.8	3709.6	3632.5	3625.9	3634.1	3630.8	3629.2	3625.9	3630.8	3655.5
3946.0	22.5°	3878.7	3816.3	3709.6	3680.1	3657.1	3625.9	3624.3	3622.6	3625.9	3650.5
4079.0	25°	4013.3	3937.8	3795.0	3706.3	3629.2	3586.5	3591.4	3593.1	3596.4	3616.1
4216.8	27.5°	4159.4	4075.7	3873.8	3698.1	3558.6	3529.1	3520.9	3525.8	3537.3	3568.5
4354.7	30°	4305.5	4207.0	3946.0	3665.3	3470.0	3428.9	3402.7	3414.2	3450.3	3481.5
4474.5	32.5°	4438.4	4339.9	4003.4	3593.1	3356.7	3292.7	3258.2	3273.0	3309.1	3320.6
4607.5	35°	4594.4	4482.7	4028.1	3478.2	3233.6	3135.1	3089.2	3067.8	3085.9	3074.4
4763.4	37.5°	4768.4	4651.8	4024.8	3327.2	3089.2	2975.9	2911.9	2831.5	2793.7	2754.3
4993.2	40°	5026.1	4858.6	3985.4	3145.0	2910.3	2806.8	2691.9	2555.7	2470.4	2393.2
5364.2	42.5°	5377.3	5145.9	3913.2	2944.7	2708.4	2611.5	2455.6	2296.4	2161.8	2033.7
5927.2	45°	5900.9	5521.8	3822.9	2731.3	2490.0	2394.8	2225.8	2046.9	1894.2	1730.1
6726.6	47.5°	6656.0	6027.3	3737.5	2488.4	2260.2	2173.3	2020.6	1854.8	1674.3	1515.0
7882.1	50°	7693.4	6752.8	3658.7	2252.0	2033.7	1968.1	1846.6	1677.5	1495.3	1367.3
9236.3	52.5°	9013.1	7739.3	3625.9	2023.9	1822.0	1797.4	1700.5	1542.9	1370.6	1262.3
10815.4	55°	10528.1	8919.5	3625.9	1805.6	1636.5	1644.7	1577.4	1431.3	1282.0	1185.1
12443.7	57.5°	12074.4	10114.5	3560.3	1603.7	1478.9	1513.4	1470.7	1342.7	1208.1	1108.0
14155.7	60°	13499.1	11115.8	3294.3	1419.8	1339.4	1393.6	1365.7	1255.7	1091.6	1007.8
15587.0	62.5°	14593.9	11680.4	2782.2	1273.7	1224.5	1286.9	1272.1	1140.8	1070.2	1035.7
16762.3	65°	15142.2	11588.5	2127.3	1144.1	1127.7	1224.5	1193.3	1188.4	1132.6	1093.2
17144.7	67.5°	14805.7	10797.3	1542.9	1048.9	1071.9	1167.1	1286.9	1306.6	1203.2	1126.0
16067.9	70°	13330.0	9366.0	1149.0	958.6	1001.3	1168.7	1467.4	1367.3	1180.2	1089.9
12886.9	72.5°	10140.7	6984.3	891.3	863.4	909.4	1176.9	1547.9	1339.4	1114.5	1204.8
8028.2	75°	5799.2	3834.4	715.7	746.9	794.5	1099.8	1506.8	1267.2	1063.6	1106.3
3181.1	77.5°	2211.0	1474.0	590.9	632.0	638.5	960.2	1441.2	1262.3	1012.8	988.1
953.7	80°	766.5	576.1	489.1	502.3	494.1	853.5	1382.1	1098.1	828.9	741.9
393.9	82.5°	313.5	287.3	387.4	371.0	351.3	663.1	1116.2	897.9	677.9	599.1
190.4	85°	136.2	182.2	256.1	224.9	203.5	459.6	894.6	760.0	572.9	494.1
62.4	87.5°	27.9	68.9	108.3	101.8	105.1	306.9	635.2	540.0	405.4	303.7
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°  
3143.3  
3135.1  
3195.9  
3299.3  
3415.8  
3524.1  
3598.0  
3640.7  
3665.3  
3667.0  
3642.3  
3599.7  
3515.9  
3361.6  
3110.5  
2778.9  
2398.1  
2022.2  
1710.4  
1497.0  
1359.1  
1254.1  
1175.3  
1091.6  
994.7  
1024.3  
1080.1  
1112.9  
1075.1  
*1195.0*  
1106.3  
901.1  
717.3  
592.6  
492.4  
238.0  
0.0

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