

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: P948479

Luminaire Tested: **GALN-SB3C-735-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948479
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-SB3C-735-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22771 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

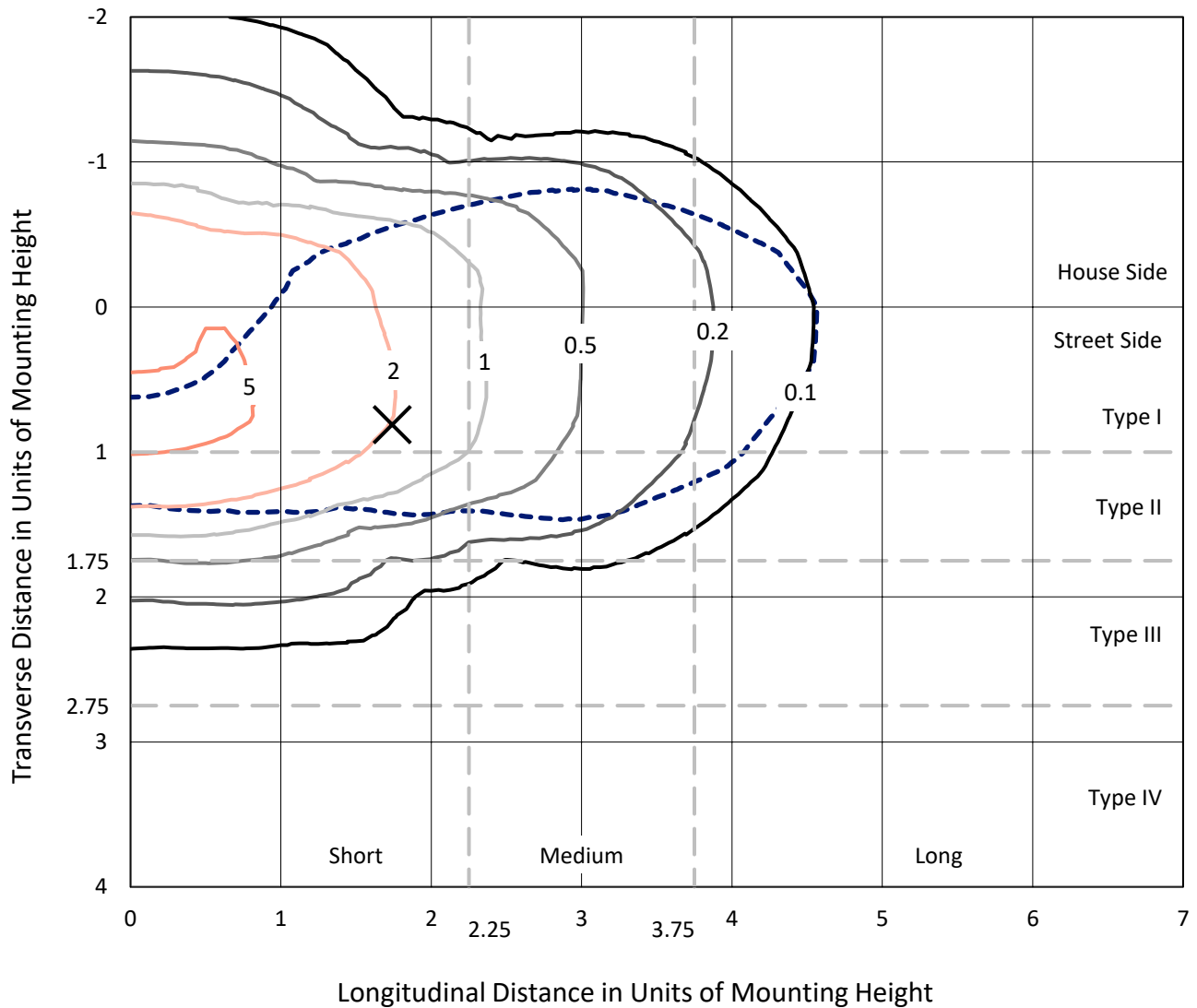
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

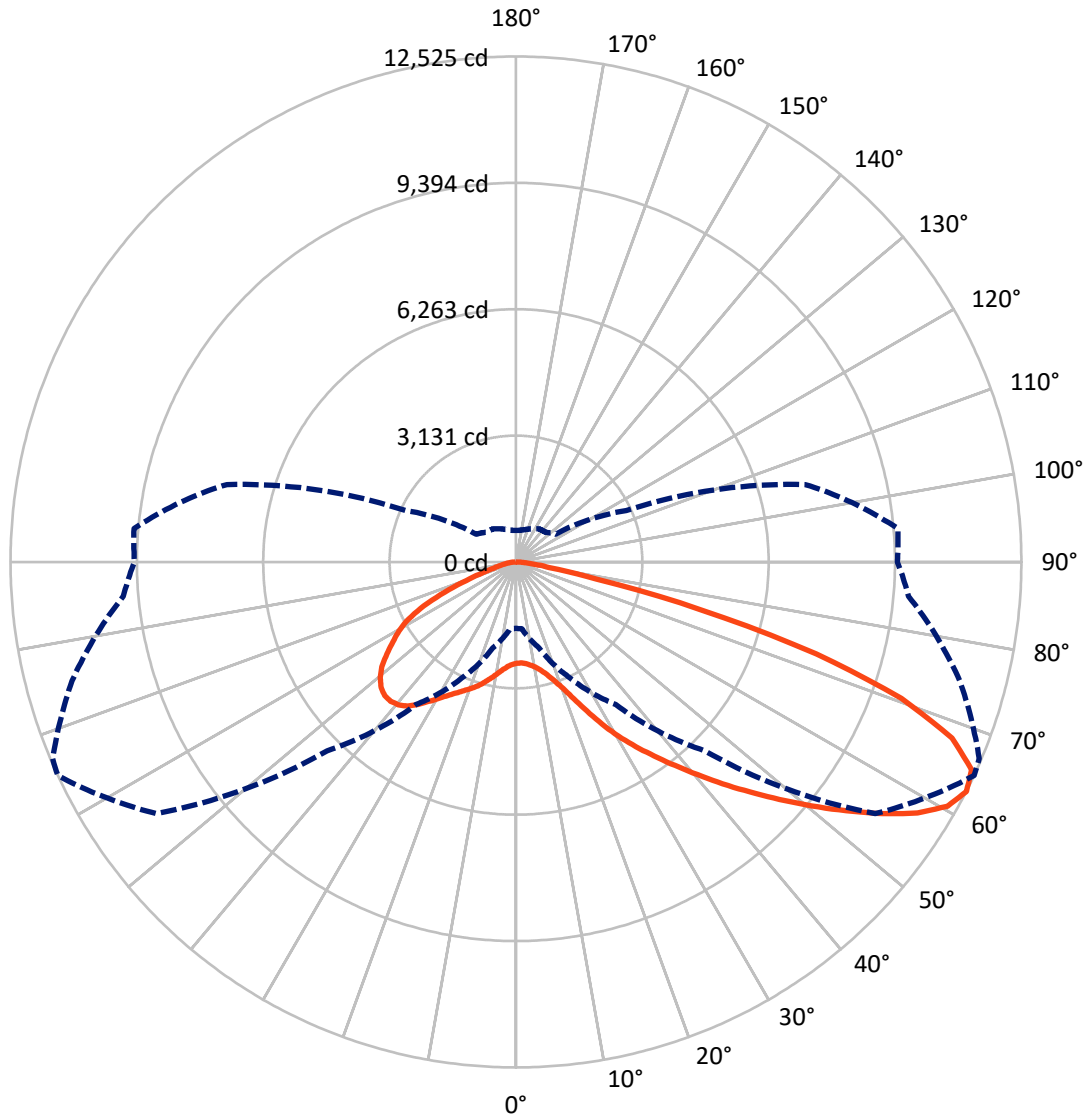
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7185.5	0.0	7185.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	15585.5	0.0	15585.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	22771.0	0.0	22771.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.2	1.1
10°-20°	848.4	3.7
20°-30°	1720.1	7.6
30°-40°	2976.6	13.1
40°-50°	4504.6	19.8
50°-60°	5281.3	23.2
60°-70°	4427.8	19.4
70°-80°	2444.5	10.7
80°-90°	317.5	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°	22771.0	100.0
0°-180°	22771.0	100.0



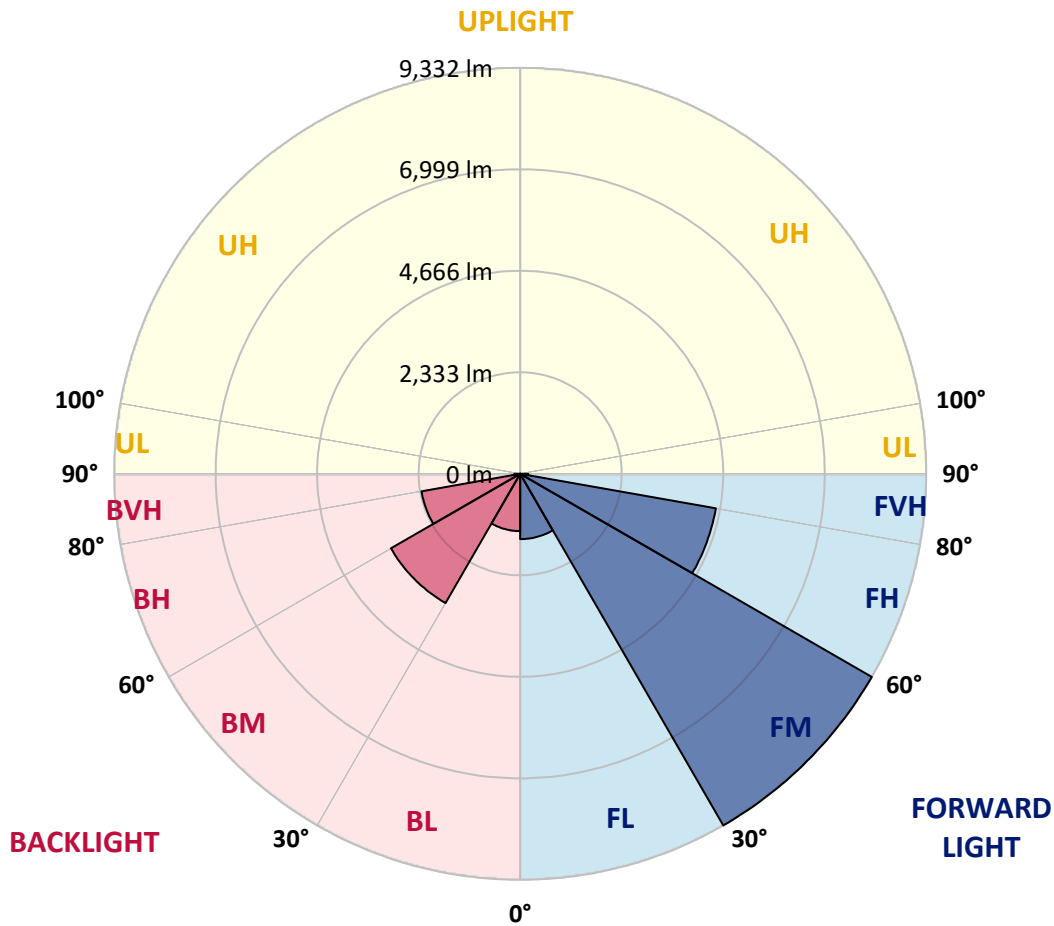
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1500.9	6.6			
FM (30°-60°)	9332.3	41.0			
FH (60°-80°)	4567.2	20.1			G2/5000
FVH (80°-90°)	185.1	0.8			G2/225
BL (0°-30°)	1317.7	5.8	B3/2500		
BM (30°-60°)	3430.3	15.1	B3/5000		
BH (60°-80°)	2305.1	10.1	B3/2500		G3/2500
BVH (80°-90°)	132.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	2509.3	2509.3	2509.3	2509.3	2509.3	2509.3	2509.3	2509.3	2509.3	2509.3
2.5°	2492.7	2485.6	2491.5	2491.5	2493.9	2492.7	2501.0	2503.4	2506.9	2514.0
5°	2467.9	2466.7	2477.4	2486.8	2496.3	2504.5	2515.2	2530.5	2532.9	2541.2
7.5°	2459.6	2452.6	2469.1	2480.9	2503.4	2523.4	2551.8	2577.8	2588.4	2592.0
10°	2523.4	2511.6	2527.0	2534.1	2553.0	2573.1	2606.1	2647.5	2659.3	2673.5
12.5°	2632.1	2619.1	2641.6	2652.2	2669.9	2687.7	2710.1	2750.3	2756.2	2782.2
15°	2781.0	2765.6	2779.8	2792.8	2822.3	2838.9	2861.3	2900.3	2900.3	2920.4
17.5°	2983.0	2962.9	2973.6	2978.3	2997.2	3022.0	3059.8	3094.1	3111.8	3104.7
20°	3284.3	3259.4	3259.4	3235.8	3228.7	3248.8	3298.4	3345.7	3364.6	3328.0
22.5°	3736.7	3701.3	3681.2	3600.9	3569.0	3571.3	3621.0	3678.8	3694.2	3629.2
25°	4312.1	4256.5	4229.4	4111.2	4039.2	3976.5	4015.5	4090.0	4111.2	4030.9
27.5°	4887.4	4890.9	4865.0	4723.2	4603.9	4489.3	4469.2	4547.2	4569.6	4478.6
30°	5694.3	5610.4	5560.8	5390.7	5220.5	5059.9	4977.2	5009.1	5015.0	4906.3
32.5°	6390.1	6368.9	6262.5	6113.7	5895.1	5643.5	5505.3	5454.5	5445.0	5290.2
35°	7182.8	7171.0	7058.8	6881.6	6645.3	6295.6	6046.3	5901.0	5889.2	5671.8
37.5°	7988.5	7988.5	7878.7	7684.9	7440.4	7003.3	6624.0	6393.7	6355.9	6072.3
40°	8631.2	8592.2	8612.3	8530.8	8250.8	7786.5	7265.5	6931.2	6880.4	6540.2
42.5°	8996.3	8983.3	9103.8	9194.7	9080.1	8709.2	7972.0	7513.6	7442.7	7055.2
45°	9077.8	9063.6	9278.6	9611.8	9772.4	9620.0	8739.9	8126.8	8040.5	7594.0
47.5°	8889.9	8861.6	9177.0	9702.7	10217.8	10486.0	9571.6	8791.9	8666.7	8118.5
50°	8325.2	8298.1	8775.3	9473.5	10367.9	11074.3	10474.2	9497.2	9305.8	8680.8
52.5°	7097.8	7110.8	7858.6	8817.9	10170.6	11440.5	11251.5	10240.3	10009.9	9256.2
55°	5528.9	5557.2	6476.4	7532.5	9381.4	11385.0	11782.0	11005.8	10776.6	9797.2
57.5°	3958.8	4084.1	4945.3	5990.8	7865.7	10504.9	11897.7	11733.5	11511.4	10387.9
60°	2566.0	2588.4	3474.5	4528.3	5989.6	8940.7	11662.7	12285.2	12111.6	10990.4
62.5°	1644.5	1659.8	2199.7	3167.3	4310.9	6614.6	10871.1	12525.1	12471.9	11388.6
65°	1208.6	1196.7	1477.9	2093.4	2903.8	4079.3	9334.1	12409.3	12514.4	11637.8
67.5°	1008.9	992.4	1130.6	1449.6	2139.5	2316.7	6906.4	11656.7	12041.9	11609.5
70°	919.1	904.9	988.8	1076.2	1669.3	1551.2	3481.5	10133.9	10727.0	11287.0
72.5°	778.5	753.7	868.3	955.7	1298.3	1189.7	1438.9	7784.2	8507.2	10253.3
75°	603.7	587.1	685.2	841.1	975.8	928.6	909.7	4726.7	5515.9	7929.5
77.5°	478.5	456.0	545.8	655.7	877.8	700.6	662.8	2035.5	2817.6	5062.2
80°	360.3	340.2	414.7	518.6	674.6	528.1	428.8	830.5	1062.1	2564.8
82.5°	256.4	238.6	289.4	380.4	453.7	473.7	263.4	465.5	523.4	988.8
85°	164.2	153.6	193.7	238.6	288.3	304.8	160.7	243.4	267.0	407.6
87.5°	89.8	73.2	104.0	111.1	133.5	121.7	76.8	88.6	95.7	147.7
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°
2509.3	0°	2509.3	2509.3	2509.3	2509.3	2509.3	2509.3	2509.3	2509.3	2509.3	2509.3
2514.0	2.5°	2518.7	2522.3	2534.1	2537.6	2545.9	2556.5	2563.6	2570.7	2570.7	2577.8
2551.8	5°	2553.0	2561.2	2586.1	2599.1	2620.3	2641.6	2654.6	2669.9	2679.4	2684.1
2612.0	7.5°	2619.1	2632.1	2667.6	2690.0	2726.6	2756.2	2776.3	2797.5	2802.2	2815.2
2695.9	10°	2708.9	2724.3	2764.4	2807.0	2850.7	2887.3	2906.2	2921.6	2927.5	2929.8
2803.4	12.5°	2811.7	2834.1	2886.1	2938.1	2984.2	3016.1	3020.8	3017.3	3000.7	2986.5
2935.7	15°	2938.1	2958.2	3016.1	3072.8	3117.7	3123.6	3094.1	3075.1	3055.1	3051.5
3083.4	17.5°	3089.3	3100.0	3153.1	3208.6	3212.2	3192.1	3148.4	3130.7	3111.8	3098.8
3276.0	20°	3265.4	3261.8	3299.6	3323.2	3298.4	3237.0	3170.8	3141.3	3122.4	3107.0
3512.3	22.5°	3475.6	3448.5	3443.7	3437.8	3371.7	3242.9	3153.1	3115.3	3085.8	3064.5
3841.9	25°	3781.6	3677.7	3605.6	3565.4	3416.6	3211.0	3096.4	3012.5	2957.0	2920.4
4244.7	27.5°	4164.4	3989.5	3807.6	3709.6	3416.6	3146.0	2959.4	2823.5	2732.5	2694.7
4634.6	30°	4529.4	4346.3	4078.1	3883.2	3408.3	3039.7	2738.5	2549.4	2443.1	2405.3
4967.7	32.5°	4841.3	4641.7	4365.2	4073.4	3388.2	2867.2	2464.4	2255.3	2152.5	2107.6
5297.3	35°	5130.8	4918.1	4653.5	4282.5	3335.1	2614.4	2163.1	2003.6	1889.0	1817.0
5632.9	37.5°	5427.3	5174.5	4926.4	4471.5	3239.4	2319.1	1931.6	1795.7	1661.0	1564.2
5989.6	40°	5749.8	5447.4	5218.2	4583.8	3082.2	2037.9	1752.0	1628.0	1485.0	1382.2
6400.8	42.5°	6126.7	5774.6	5543.1	4641.7	2867.2	1838.2	1635.0	1513.4	1378.7	1294.8
6841.4	45°	6520.1	6134.9	5839.6	4640.5	2627.4	1744.9	1597.2	1476.7	1327.9	1240.5
7293.9	47.5°	6932.4	6511.8	6096.0	4564.9	2419.5	1757.9	1576.0	1397.6	1233.4	1148.3
7751.1	50°	7345.9	6924.1	6344.0	4423.1	2330.9	1729.6	1496.8	1286.5	1092.8	1016.0
8179.9	52.5°	7755.8	7362.4	6557.9	4221.1	2241.1	1624.4	1395.2	1142.4	1034.9	981.7
8622.9	55°	8168.1	7796.0	6790.6	3926.9	2016.6	1501.5	1225.1	1088.1	988.8	940.4
9056.5	57.5°	8581.6	8296.9	7011.5	3632.8	1734.3	1350.3	1131.8	1021.9	942.7	901.4
9419.2	60°	9011.6	8869.9	7239.5	3362.2	1455.5	1156.6	1063.2	968.7	888.4	842.3
9767.7	62.5°	9454.6	9500.7	7417.9	3013.7	1199.1	1038.4	1001.8	904.9	827.0	783.3
10056.0	65°	9901.2	10109.1	7534.9	2530.5	972.3	926.2	935.7	835.2	756.1	718.3
10267.4	67.5°	10237.9	10547.4	7501.8	1915.0	797.4	819.9	853.0	762.0	687.6	658.0
10233.2	70°	10275.7	10495.4	7175.7	1311.3	667.5	715.9	760.8	689.9	613.1	591.9
9751.2	72.5°	9772.4	9786.6	6267.3	856.5	564.7	628.5	663.9	616.7	542.3	521.0
8530.8	75°	8452.8	8093.7	4601.5	564.7	472.6	539.9	573.0	539.9	467.8	472.6
6383.0	77.5°	6404.3	5732.1	2794.0	401.7	394.6	453.7	498.5	474.9	413.5	464.3
3209.8	80°	3299.6	3101.1	1246.4	300.1	311.9	362.7	409.9	379.2	327.2	311.9
717.1	82.5°	756.1	879.0	491.5	215.0	225.6	261.1	313.1	284.7	235.1	198.5
298.9	85°	264.6	289.4	217.4	134.7	132.3	163.0	212.6	190.2	159.5	127.6
126.4	87.5°	83.9	109.9	81.5	54.3	56.7	73.2	98.1	89.8	74.4	48.4
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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<u>180°</u>
2509.3
2577.8
2686.5
2810.5
2923.9
2986.5
3051.5
3100.0
3108.2
3071.6
2934.6
2713.6
2427.7
2130.0
1840.6
1590.1
1402.3
1311.3
1254.6
1160.1
1020.7
981.7
935.7
894.3
838.8
782.1
717.1
659.2
593.1
519.8
456.0
408.8
284.7
196.1
134.7
50.8
0.0

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