

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: P942576

Luminaire Tested: **GALN-SB6C-927-U-T3-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-927-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

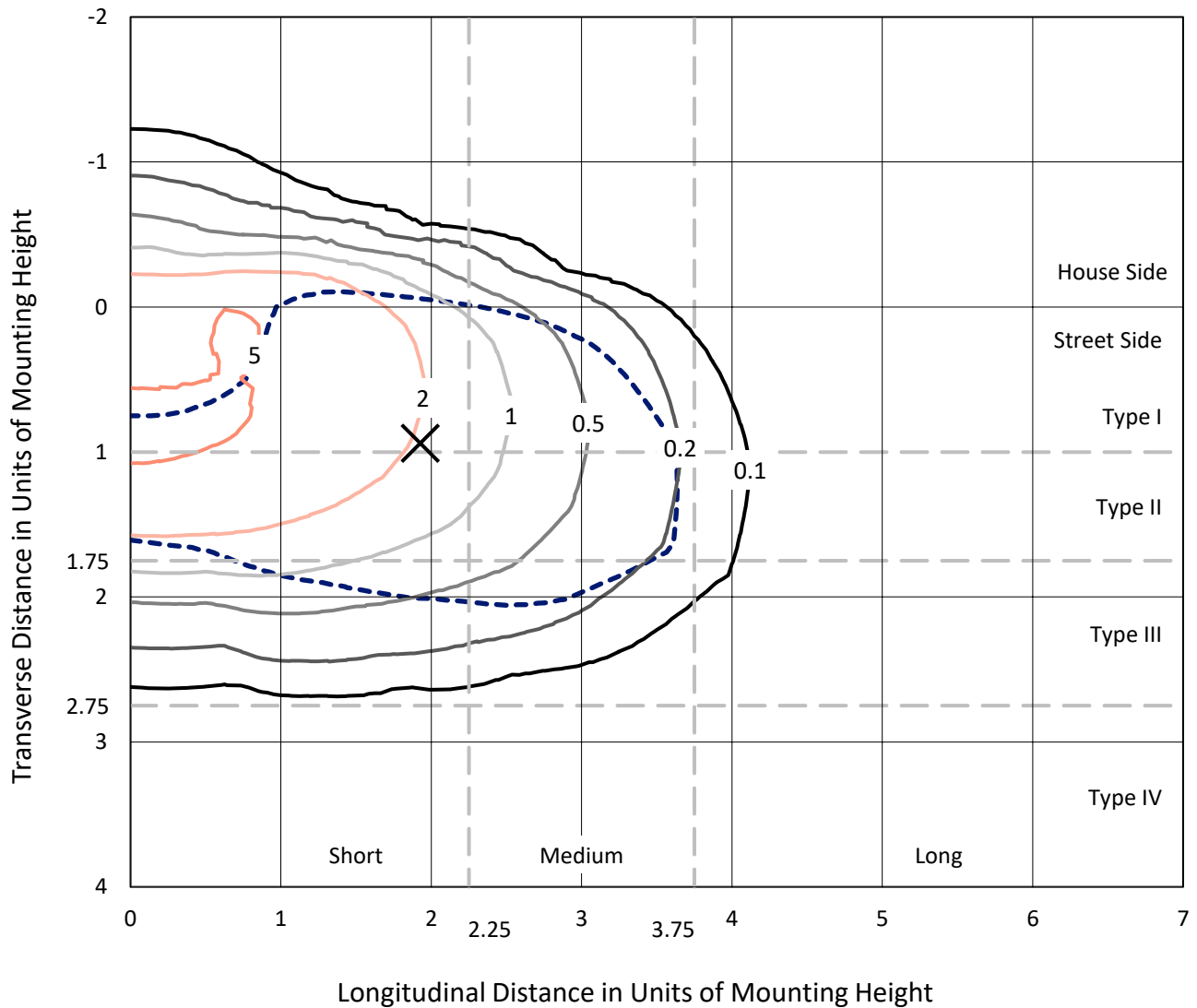
Lumens per Lamp: N/A  
Luminaire Lumens: 21680 lumens  
Efficiency: N/A  
Efficacy: 72.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

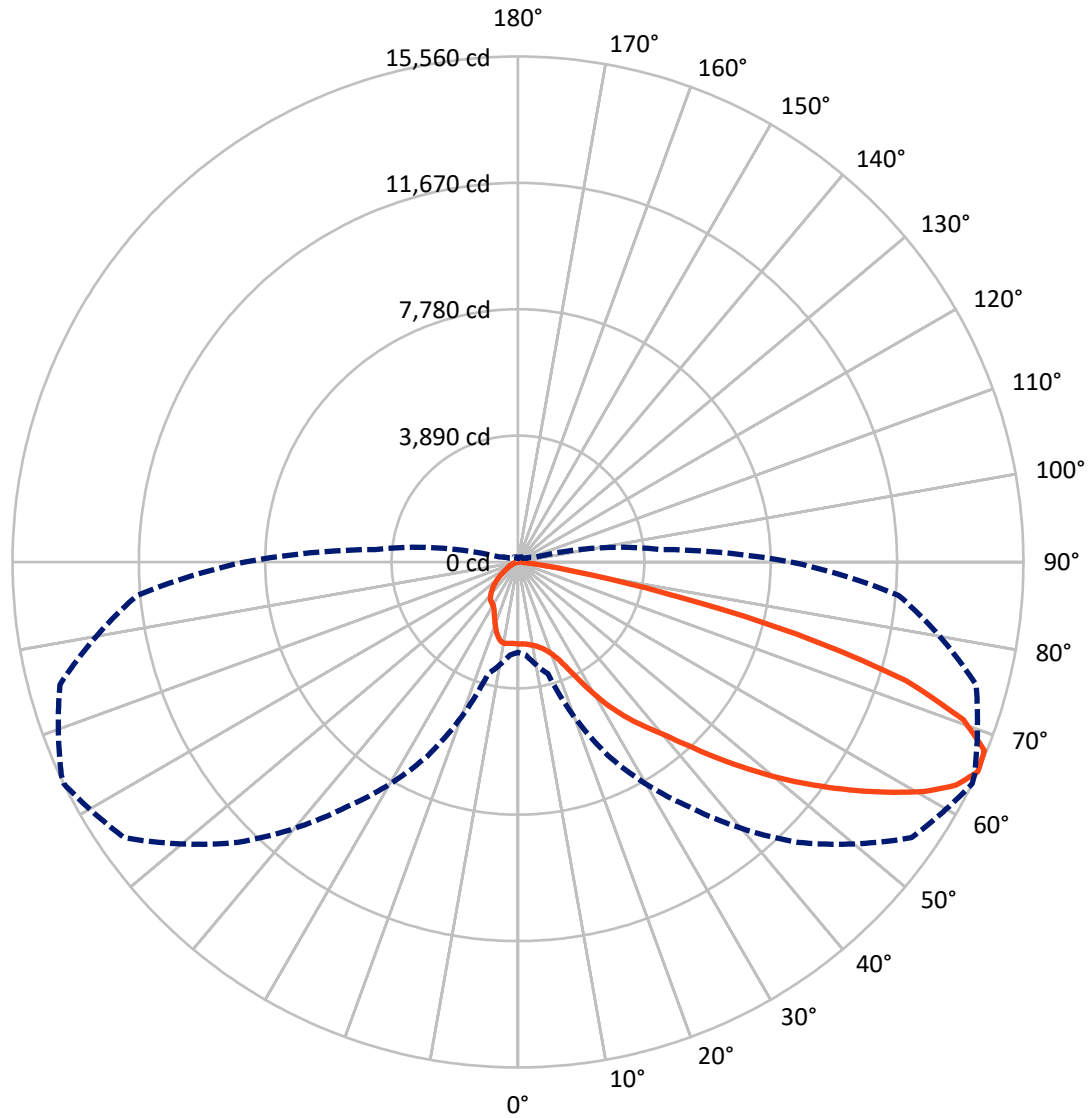
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2899.3	0.0	2899.3
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	18780.7	0.0	18780.7
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	21680.0	0.0	21680.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.6	1.1
10°-20°	631.0	2.9
20°-30°	1195.7	5.5
30°-40°	2419.5	11.2
40°-50°	4121.6	19.0
50°-60°	5605.1	25.9
60°-70°	5263.5	24.3
70°-80°	2108.8	9.7
80°-90°	102.2	0.5
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°	21680.0	100.0
0°-180°	21680.0	100.0

**Coefficient of Utilization**



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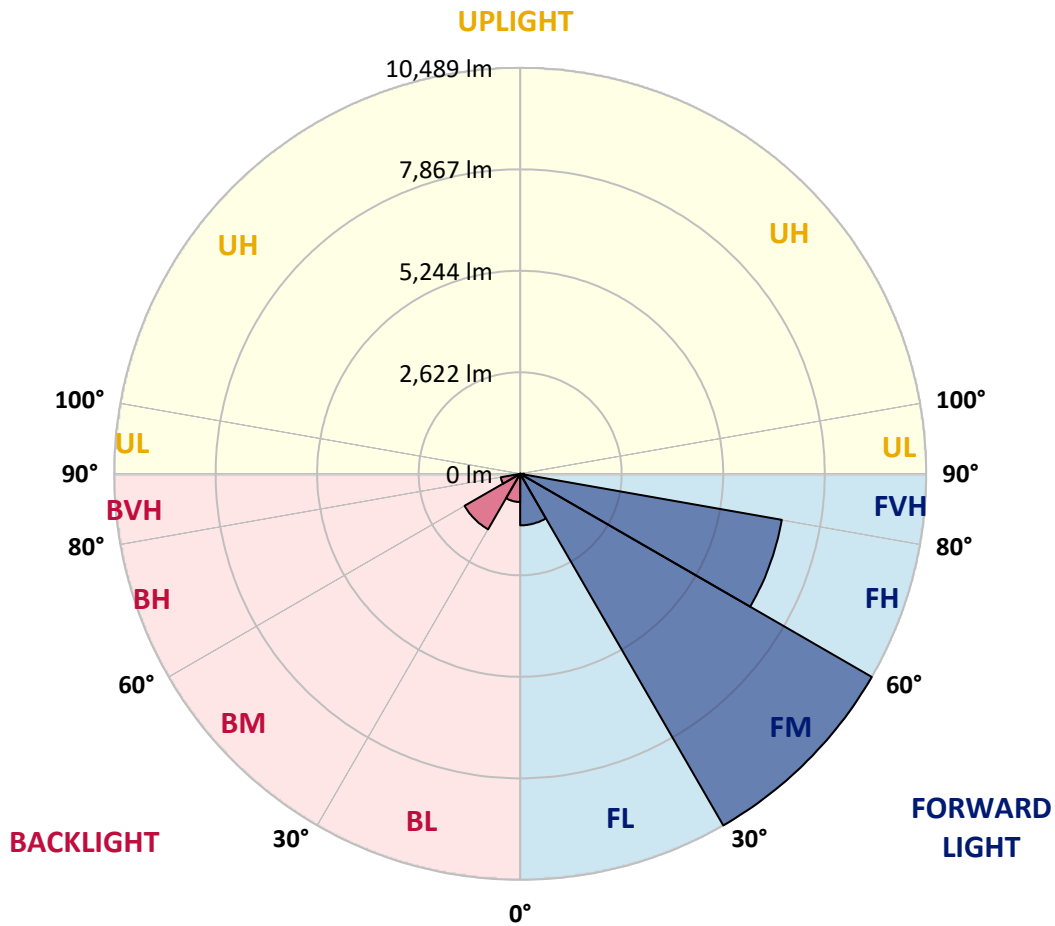
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1331.4	6.1			
FM (30°-60°)	10488.8	48.4			
FH (60°-80°)	6863.4	31.7			G3/7500
FVH (80°-90°)	97.2	0.4			G1/100
BL (0°-30°)	727.9	3.4	B2/1000		
BM (30°-60°)	1657.5	7.6	B2/2500		
BH (60°-80°)	508.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2521.6	2521.6	2521.6	2521.6	2521.6	2521.6	2521.6	2521.6	2521.6	2521.6
2.5°	2512.9	2530.3	2526.0	2521.6	2520.2	2523.1	2524.5	2523.1	2523.1	2523.1
5°	2464.9	2479.5	2479.5	2489.6	2504.2	2521.6	2534.7	2537.6	2540.5	2544.9
7.5°	2373.4	2385.0	2393.7	2427.1	2463.5	2510.0	2549.2	2569.6	2572.5	2588.5
10°	2310.9	2325.4	2339.9	2374.8	2427.1	2496.9	2563.8	2613.2	2620.4	2658.2
12.5°	2308.0	2322.5	2341.4	2379.2	2440.2	2514.3	2595.7	2666.9	2680.0	2735.3
15°	2338.5	2355.9	2373.4	2419.9	2485.3	2575.4	2662.6	2751.2	2764.3	2842.8
17.5°	2401.0	2424.2	2437.3	2483.8	2553.6	2653.9	2768.7	2870.4	2882.0	2973.6
20°	2524.5	2552.1	2556.5	2594.3	2662.6	2770.1	2906.8	3033.2	3047.7	3152.4
22.5°	2780.3	2819.6	2784.7	2803.6	2864.6	2972.2	3120.4	3280.3	3300.6	3419.8
25°	3230.9	3286.1	3196.0	3164.0	3190.2	3302.1	3488.1	3690.1	3713.4	3809.3
27.5°	4116.0	4044.7	3908.1	3774.4	3695.9	3759.9	3969.2	4219.2	4248.2	4341.2
30°	5088.3	5025.8	4841.2	4544.7	4358.7	4348.5	4541.8	4820.9	4854.3	4942.9
32.5°	6062.0	6002.4	5801.9	5437.1	5114.4	4954.6	5088.3	5397.8	5415.3	5472.0
35°	7019.8	6958.8	6758.2	6384.7	5987.9	5624.6	5598.4	5947.2	5953.0	6012.6
37.5°	7983.4	7932.5	7718.9	7352.6	6961.7	6460.3	6217.5	6467.5	6474.8	6532.9
40°	8670.8	8692.6	8545.9	8262.4	7926.7	7378.8	6912.3	7021.3	6977.7	7075.0
42.5°	9260.9	9304.5	9176.6	9034.2	8839.4	8356.9	7772.7	7753.8	7684.0	7736.3
45°	9771.1	9807.4	9692.6	9659.1	9654.8	9316.1	8713.0	8599.6	8502.3	8492.1
47.5°	9958.5	10028.3	10077.7	10189.6	10407.6	10265.2	9685.3	9509.4	9400.4	9320.5
50°	10029.8	10103.9	10272.5	10598.0	11114.0	11175.0	10653.3	10455.6	10321.9	10176.5
52.5°	9933.8	10066.1	10292.8	10840.7	11589.2	11904.6	11582.0	11409.0	11256.4	11019.5
55°	9368.5	9500.7	9964.4	10837.8	11826.1	12416.2	12459.8	12382.8	12211.3	11837.8
57.5°	8176.7	8372.9	9106.9	10468.7	11821.8	12856.6	13320.2	13375.4	13183.6	12648.7
60°	6525.7	6791.6	7686.9	9650.4	11457.0	13094.9	14074.5	14350.6	14147.2	13448.1
62.5°	4553.4	4861.5	5708.9	8368.5	10622.7	12923.4	14625.3	15135.5	14981.4	14163.2
65°	2777.4	2876.2	3559.3	6585.3	9204.2	12205.5	14795.4	15559.9	15509.0	14600.6
67.5°	1850.1	1933.0	2129.2	4515.6	7144.8	10771.0	14388.4	15485.7	15500.3	14529.4
70°	1114.7	1186.0	1313.9	2626.3	4630.5	8525.5	13128.4	14541.0	14625.3	13577.4
72.5°	459.3	507.2	623.5	1190.3	2398.1	5410.9	10454.1	12484.5	12680.7	11416.3
75°	260.2	284.9	366.3	597.3	1040.6	2521.6	6332.4	8862.7	9151.9	7868.6
77.5°	173.0	184.6	236.9	386.6	585.7	860.4	2706.2	4617.4	5169.7	4297.6
80°	116.3	126.4	162.8	258.7	380.8	369.2	861.9	1710.6	2104.5	1476.6
82.5°	78.5	79.9	116.3	170.0	241.3	178.8	254.3	531.9	668.6	427.3
85°	45.1	43.6	85.7	98.8	107.5	74.1	77.0	159.9	209.3	180.2
87.5°	5.8	8.7	33.4	26.2	14.5	16.0	16.0	27.6	40.7	43.6
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°
2521.6	0°	2521.6	2521.6	2521.6	2521.6	2521.6	2521.6	2521.6	2521.6	2521.6	2521.6
2524.5	2.5°	2524.5	2523.1	2518.7	2514.3	2504.2	2498.4	2501.3	2498.4	2496.9	2498.4
2543.4	5°	2543.4	2539.0	2527.4	2512.9	2492.5	2467.8	2451.8	2428.6	2406.8	2393.7
2594.3	7.5°	2594.3	2589.9	2573.9	2533.2	2467.8	2364.6	2270.2	2187.3	2124.8	2088.5
2675.7	10°	2675.7	2668.4	2643.7	2553.6	2382.1	2156.8	1969.3	1813.8	1712.1	1664.1
2771.6	12.5°	2771.6	2762.9	2719.3	2534.7	2219.3	1867.6	1608.9	1435.9	1341.5	1299.3
2882.0	15°	2885.0	2873.3	2787.6	2444.6	1982.4	1547.8	1310.9	1181.6	1120.6	1082.8
3023.0	17.5°	3025.9	3005.6	2838.4	2309.4	1725.2	1303.7	1127.8	1030.4	976.7	940.3
3207.6	20°	3209.1	3175.6	2879.1	2148.1	1488.3	1149.6	1004.3	922.9	882.2	850.2
3469.2	22.5°	3464.9	3416.9	2928.6	1973.7	1321.1	1043.5	912.7	853.1	819.7	783.4
3834.0	25°	3781.7	3725.0	2989.6	1812.4	1206.3	952.0	845.9	796.5	757.2	715.1
4312.2	27.5°	4225.0	4123.2	3062.3	1680.1	1107.5	873.5	784.8	729.6	684.5	649.7
4854.3	30°	4719.1	4552.0	3126.2	1600.2	1017.4	800.8	704.9	649.7	607.5	582.8
5341.2	32.5°	5187.1	4960.4	3168.4	1565.3	936.0	718.0	617.7	558.1	526.1	518.9
5817.9	35°	5628.9	5329.5	3164.0	1531.9	863.3	635.1	531.9	470.9	446.2	450.5
6330.9	37.5°	6137.6	5723.4	3133.5	1479.5	803.7	559.6	457.8	404.0	382.2	383.7
6954.4	40°	6729.1	6178.3	3114.6	1380.7	738.3	489.8	396.8	353.2	337.2	331.4
7611.3	42.5°	7359.9	6618.7	3117.5	1268.8	656.9	427.3	354.6	318.3	303.8	299.4
8342.4	45°	7993.6	7038.7	3121.9	1152.5	571.2	379.3	324.1	293.6	284.9	279.0
9083.6	47.5°	8589.5	7396.2	3040.5	1027.5	486.9	343.0	299.4	279.0	271.8	264.5
9827.7	50°	9144.6	7634.6	2844.3	882.2	420.0	313.9	280.5	266.0	258.7	251.4
10502.1	52.5°	9576.3	7672.4	2520.2	732.5	373.5	292.1	268.9	255.8	247.1	239.8
11047.1	55°	9768.1	7435.5	2059.4	593.0	337.2	273.2	257.2	244.2	234.0	226.7
11475.9	57.5°	9718.7	6937.0	1606.0	476.7	302.3	254.3	242.7	234.0	222.4	210.7
11823.2	60°	9476.0	6269.9	1210.7	396.8	270.3	234.0	226.7	219.5	203.5	186.0
11956.9	62.5°	9056.0	5431.3	863.3	328.5	235.4	210.7	207.8	202.0	178.8	146.8
11759.3	65°	8413.6	4412.5	581.4	273.2	202.0	184.6	186.0	175.9	145.3	109.0
11035.5	67.5°	7474.7	3226.5	372.1	223.8	168.6	154.1	155.5	149.7	123.5	93.0
9663.5	70°	6278.6	2136.5	242.7	170.0	135.2	119.2	127.9	129.4	104.6	75.6
7416.6	72.5°	4602.8	1261.5	170.0	126.4	98.8	82.8	104.6	107.5	84.3	56.7
4461.9	75°	2623.3	598.8	127.9	91.6	61.0	58.1	81.4	81.4	58.1	37.8
1931.5	77.5°	1101.7	250.0	90.1	59.6	34.9	33.4	55.2	50.9	29.1	17.4
470.9	80°	318.3	111.9	48.0	29.1	14.5	13.1	21.8	16.0	7.3	2.9
178.8	82.5°	125.0	49.4	18.9	11.6	5.8	5.8	2.9	0.0	0.0	0.0
101.7	85°	74.1	20.3	8.7	4.4	1.5	0.0	0.0	0.0	0.0	0.0
21.8	87.5°	18.9	4.4	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
2521.6
2504.2
2396.6
2090.0
1659.8
1295.0
1084.2
937.4
844.4
777.6
710.7
642.4
578.4
523.2
450.5
389.5
329.9
297.9
279.0
264.5
251.4
238.4
225.3
209.3
183.1
143.9
106.1
88.7
72.7
53.8
34.9
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