

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: P954022

Luminaire Tested: **GALN-SB7B-927-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954022  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB7B-927-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

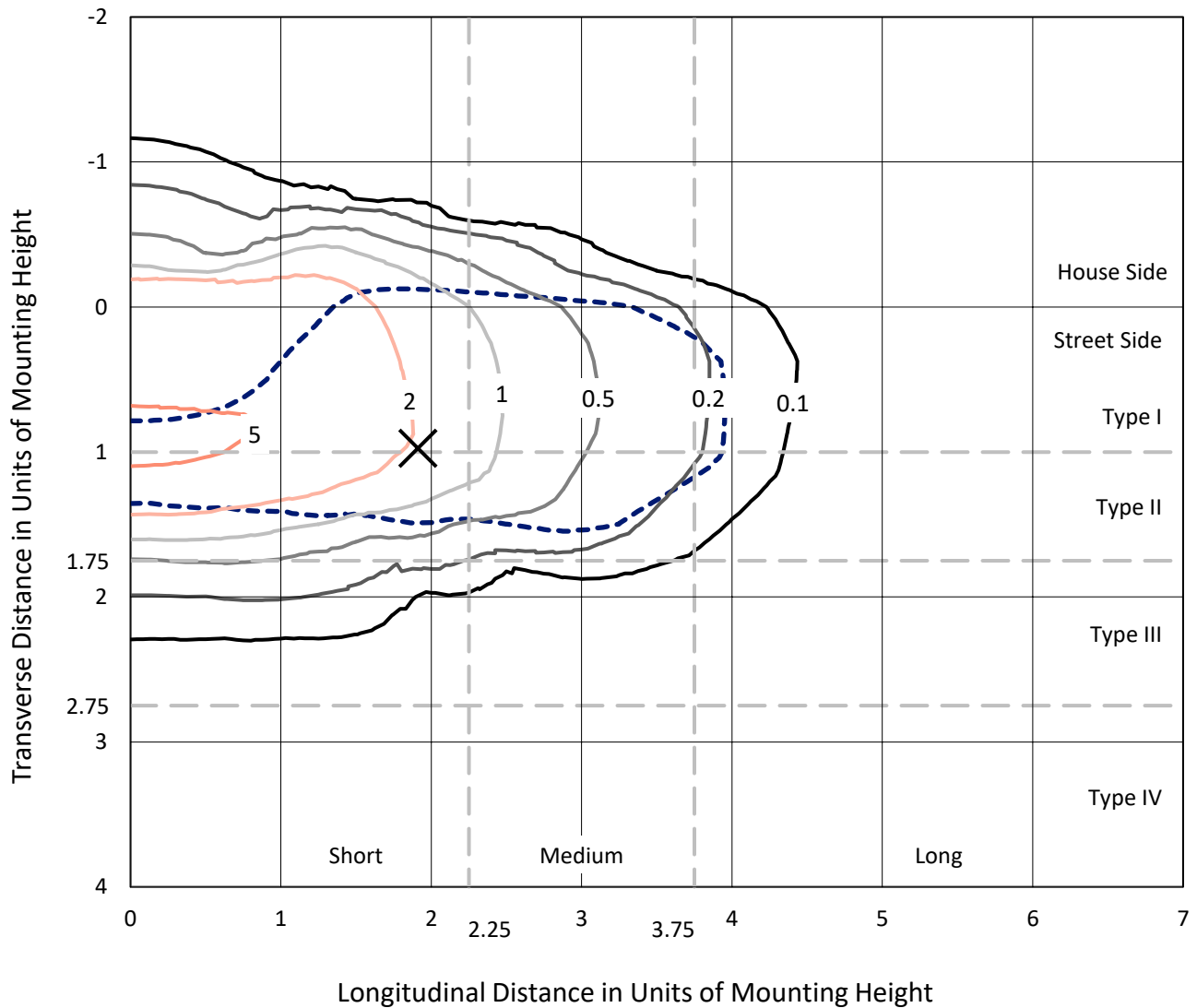
Lumens per Lamp: N/A  
Luminaire Lumens: 18629 lumens  
Efficiency: N/A  
Efficacy: 72.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

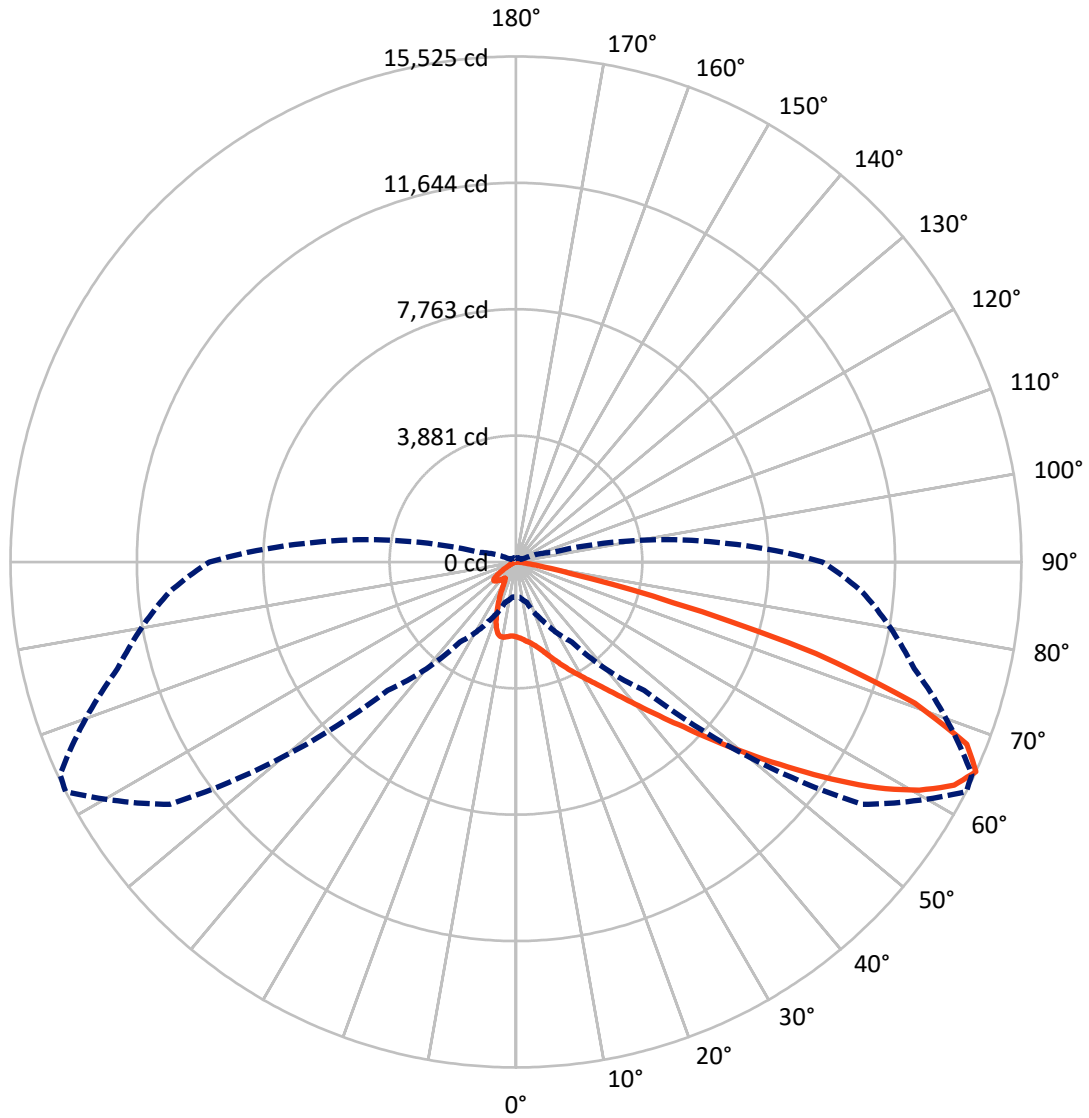
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2738.3	0.0	2738.3
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	15890.7	0.0	15890.7
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	18629.0	0.0	18629.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.6	1.2
10°-20°	601.1	3.2
20°-30°	1046.6	5.6
30°-40°	1886.4	10.1
40°-50°	3741.3	20.1
50°-60°	5096.2	27.4
60°-70°	4067.8	21.8
70°-80°	1840.8	9.9
80°-90°	132.3	0.7
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°	18629.0	100.0
0°-180°	18629.0	100.0

**Coefficient of Utilization**



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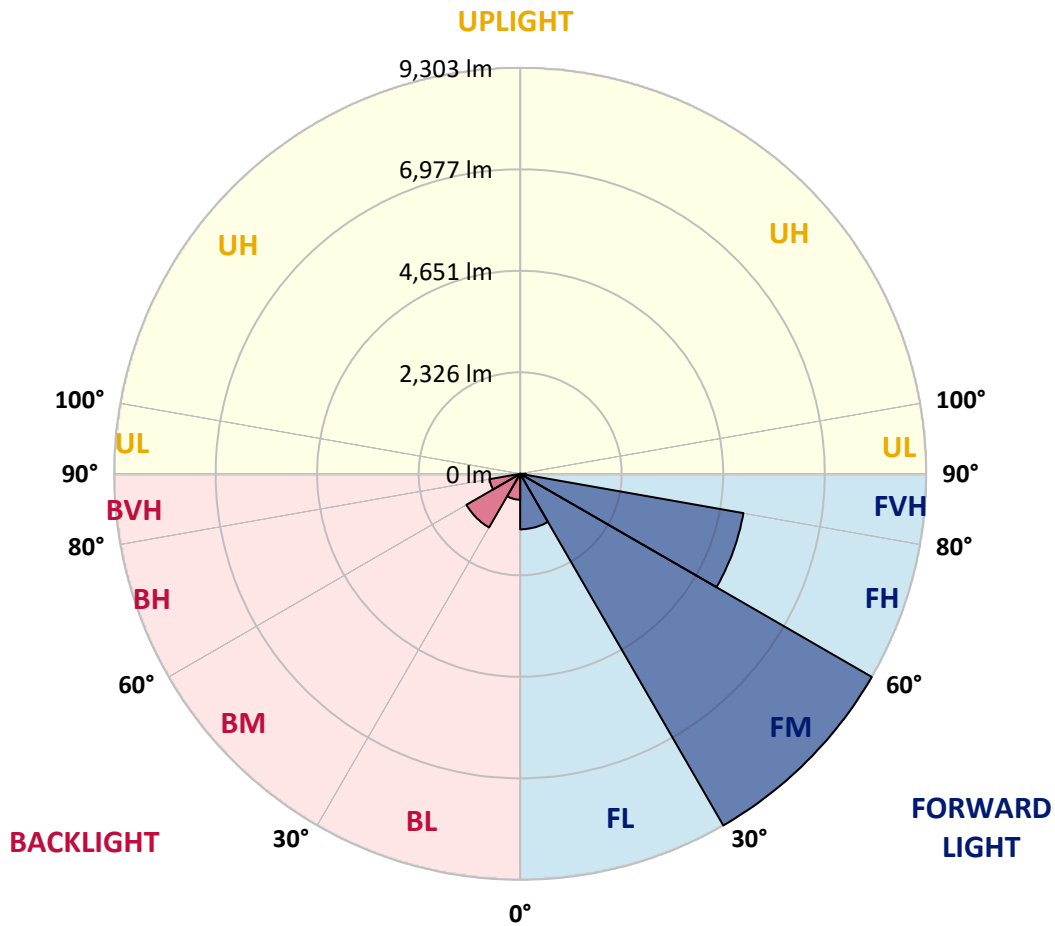
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1271.7	6.8			
FM (30°-60°)	9302.9	49.9			
FH (60°-80°)	5193.7	27.9			G3/7500
FVH (80°-90°)	122.5	0.7			G2/225
BL (0°-30°)	592.6	3.2	B2/1000		
BM (30°-60°)	1421.0	7.6	B2/2500		
BH (60°-80°)	714.9	3.8	B2/1000		G2/1000
BVH (80°-90°)	9.8	0.1			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 II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2299.2	2299.2	2299.2	2299.2	2299.2	2299.2	2299.2	2299.2	2299.2	2299.2
2.5°	2353.0	2346.6	2355.6	2351.7	2349.2	2344.0	2341.5	2338.9	2333.8	2329.9
5°	2359.4	2355.6	2364.5	2372.2	2379.9	2387.6	2391.4	2396.6	2391.4	2381.2
7.5°	2305.6	2303.0	2322.2	2345.3	2379.9	2409.4	2441.4	2459.4	2460.7	2456.8
10°	2301.7	2295.3	2314.5	2342.7	2387.6	2440.1	2496.5	2535.0	2540.1	2556.8
12.5°	2362.0	2355.6	2382.5	2413.2	2459.4	2514.5	2583.7	2637.5	2645.2	2668.3
15°	2463.2	2454.2	2485.0	2524.7	2583.7	2646.5	2719.5	2768.2	2774.6	2802.8
17.5°	2581.1	2572.1	2608.0	2650.3	2714.4	2800.3	2884.9	2938.7	2946.4	2964.3
20°	2732.3	2720.8	2749.0	2787.5	2855.4	2957.9	3059.2	3136.0	3134.8	3134.8
22.5°	2907.9	2890.0	2914.3	2945.1	3009.2	3133.5	3268.1	3359.0	3359.0	3323.2
25°	3096.3	3078.4	3105.3	3133.5	3189.9	3330.8	3488.5	3601.3	3606.4	3544.9
27.5°	3332.1	3309.1	3329.6	3362.9	3396.2	3539.7	3726.9	3857.6	3860.1	3765.3
30°	3785.8	3720.5	3656.4	3620.5	3635.9	3778.1	3978.1	4122.9	4135.7	4005.0
32.5°	4616.3	4603.5	4377.9	4083.1	3929.4	4034.4	4258.7	4433.0	4440.7	4272.8
35°	5906.8	5891.5	5528.8	4967.4	4466.3	4377.9	4599.6	4806.0	4800.8	4611.2
37.5°	7447.3	7433.2	6955.2	6204.2	5392.9	4897.0	5039.2	5255.8	5287.8	5039.2
40°	8763.5	8711.0	8408.5	7684.4	6623.3	5758.2	5664.6	5808.2	5841.5	5546.7
42.5°	9760.6	9715.7	9561.9	9109.5	8112.5	7032.1	6401.5	6456.6	6493.8	6140.1
45°	10277.1	10266.8	10328.3	10286.0	9629.9	8595.6	7455.0	7225.6	7239.7	6797.5
47.5°	10350.1	10345.0	10625.7	11022.9	10934.5	10359.1	8807.1	8184.2	8134.2	7539.6
50°	9919.5	9909.2	10447.5	11192.1	11806.0	11840.6	10342.4	9264.6	9154.4	8307.3
52.5°	8544.4	8541.8	9426.1	10665.4	12112.3	13137.6	11859.8	10451.4	10266.8	9119.8
55°	6574.6	6622.0	7635.7	9100.6	11553.5	13761.7	13222.2	11768.8	11485.6	9937.4
57.5°	4657.3	4726.5	5728.7	7033.4	9820.8	13392.6	14143.6	13088.9	12783.8	10752.5
60°	2501.7	2563.2	3566.7	5123.8	7306.3	12016.2	14629.3	14234.6	13946.3	11526.6
62.5°	1490.5	1511.0	1926.2	3307.8	4941.8	9180.0	14423.0	15107.4	14870.3	12176.4
65°	1070.1	1074.0	1282.9	2019.8	3000.2	5577.5	12976.1	15525.2	15452.1	12665.9
67.5°	901.0	898.4	985.5	1341.8	2044.1	2793.9	9945.1	14934.4	15244.5	12976.1
70°	772.8	776.6	879.2	983.0	1536.6	1581.5	4944.4	13003.0	13664.3	13058.1
72.5°	575.4	588.2	683.1	895.8	1159.8	1088.1	1707.1	9641.4	10837.1	12303.3
75°	406.3	412.7	480.6	753.6	865.1	792.0	871.5	4984.1	6516.9	9432.5
77.5°	312.7	324.2	364.0	526.7	852.3	556.2	533.1	1725.0	2650.3	5697.9
80°	169.2	189.7	262.7	380.6	598.5	393.4	264.0	686.9	898.4	2664.4
82.5°	87.1	97.4	183.3	274.3	340.9	343.5	130.7	285.8	370.4	822.8
85°	34.6	42.3	123.0	151.2	175.6	169.2	59.0	115.3	133.3	228.1
87.5°	7.7	12.8	44.9	34.6	33.3	35.9	14.1	26.9	25.6	26.9
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°
2299.2	0°	2299.2	2299.2	2299.2	2299.2	2299.2	2299.2	2299.2	2299.2	2299.2	2299.2
2314.5	2.5°	2313.3	2308.1	2294.0	2278.7	2260.7	2250.5	2244.1	2242.8	2233.8	2227.4
2365.8	5°	2351.7	2346.6	2319.7	2287.6	2253.0	2226.1	2200.5	2177.4	2144.1	2137.7
2440.1	7.5°	2428.6	2414.5	2370.9	2327.4	2262.0	2183.8	2089.0	1980.1	1882.7	1853.2
2538.8	10°	2523.4	2504.2	2449.1	2372.2	2227.4	2014.7	1785.3	1572.5	1403.3	1355.9
2655.5	12.5°	2631.1	2614.4	2541.4	2399.1	2082.6	1696.8	1345.7	1081.7	917.6	876.6
2779.8	15°	2759.3	2734.9	2633.7	2358.1	1823.7	1289.3	924.0	767.7	708.7	701.0
2922.0	17.5°	2895.1	2855.4	2715.7	2210.7	1475.1	916.3	713.8	669.0	643.4	635.7
3065.6	20°	3019.4	2968.2	2764.4	1987.7	1102.2	713.8	639.5	610.0	587.0	578.0
3209.1	22.5°	3143.7	3070.7	2764.4	1684.0	826.6	633.1	587.0	560.1	533.1	521.6
3362.9	25°	3273.2	3175.8	2715.7	1345.7	665.1	580.6	537.0	507.5	484.4	470.3
3509.0	27.5°	3398.8	3264.2	2604.2	1025.3	592.1	534.4	490.8	462.7	440.9	430.6
3667.9	30°	3518.0	3351.4	2447.8	777.9	544.7	489.6	448.6	424.2	402.4	392.2
3874.2	32.5°	3679.4	3461.6	2281.2	638.2	503.7	447.3	410.1	387.0	367.8	360.1
4142.1	35°	3903.7	3624.3	2137.7	626.7	469.1	412.7	375.5	353.7	334.5	328.1
4488.1	37.5°	4221.6	3887.1	2062.1	703.6	440.9	381.9	347.3	324.2	306.3	301.2
4927.7	40°	4613.7	4243.3	2103.1	780.5	421.6	355.0	321.7	298.6	283.2	276.8
5432.7	42.5°	5078.9	4682.9	2329.9	839.4	408.8	331.9	297.3	271.7	261.4	258.9
6005.5	45°	5613.4	5166.1	2677.2	902.2	388.3	310.1	273.0	253.8	246.1	244.8
6628.4	47.5°	6220.8	5696.7	3079.7	980.4	367.8	289.6	253.8	240.9	234.5	232.0
7278.1	50°	6823.2	6231.1	3493.6	1024.0	351.2	270.4	238.4	228.1	223.0	221.7
7965.1	52.5°	7453.7	6780.9	3828.1	983.0	337.1	255.0	225.6	217.9	212.7	211.5
8598.2	55°	8054.8	7225.6	3885.8	834.3	308.9	239.7	211.5	207.6	201.2	201.2
9240.3	57.5°	8572.5	7448.6	3478.2	612.6	280.7	216.6	197.4	193.5	188.4	187.1
9819.5	60°	9048.0	7384.5	2684.9	412.7	249.9	193.5	179.4	176.9	171.7	165.3
10323.2	62.5°	9315.9	7102.6	1836.5	269.1	219.2	169.2	158.9	157.6	146.1	133.3
10696.1	65°	9417.1	6523.3	1145.7	196.1	183.3	144.8	137.1	134.6	117.9	103.8
10907.6	67.5°	9328.7	5569.8	578.0	155.1	144.8	120.5	112.8	112.8	101.2	88.4
10894.8	70°	8975.0	4175.4	243.5	124.3	111.5	92.3	92.3	97.4	85.9	71.8
10329.6	72.5°	8207.3	2809.2	129.4	94.8	83.3	65.4	75.6	79.5	67.9	53.8
8454.6	75°	6524.6	1713.5	89.7	70.5	52.5	46.1	57.7	60.2	46.1	35.9
5796.6	77.5°	4462.5	984.3	60.2	44.9	33.3	26.9	39.7	37.2	24.4	16.7
2235.1	80°	1959.5	410.1	34.6	20.5	12.8	10.3	14.1	10.3	7.7	5.1
306.3	82.5°	229.4	96.1	12.8	7.7	5.1	2.6	1.3	0.0	0.0	0.0
93.6	85°	47.4	11.5	6.4	2.6	1.3	0.0	0.0	0.0	0.0	0.0
16.7	87.5°	9.0	2.6	1.3	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

(END O

180°  
2299.2  
2233.8  
2135.1  
1839.1  
1338.0  
865.1  
693.3  
631.8  
572.9  
515.2  
465.2  
430.6  
393.4  
360.1  
328.1  
299.9  
275.5  
258.9  
243.5  
232.0  
221.7  
211.5  
199.9  
185.8  
164.0  
130.7  
*102.5*  
87.1  
70.5  
53.8  
34.6  
17.9  
5.1  
0.0  
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0.0

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