

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: P942206

Luminaire Tested: **GALN-SB6A-835-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942206
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-SB6A-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 350mA 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: 19788 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

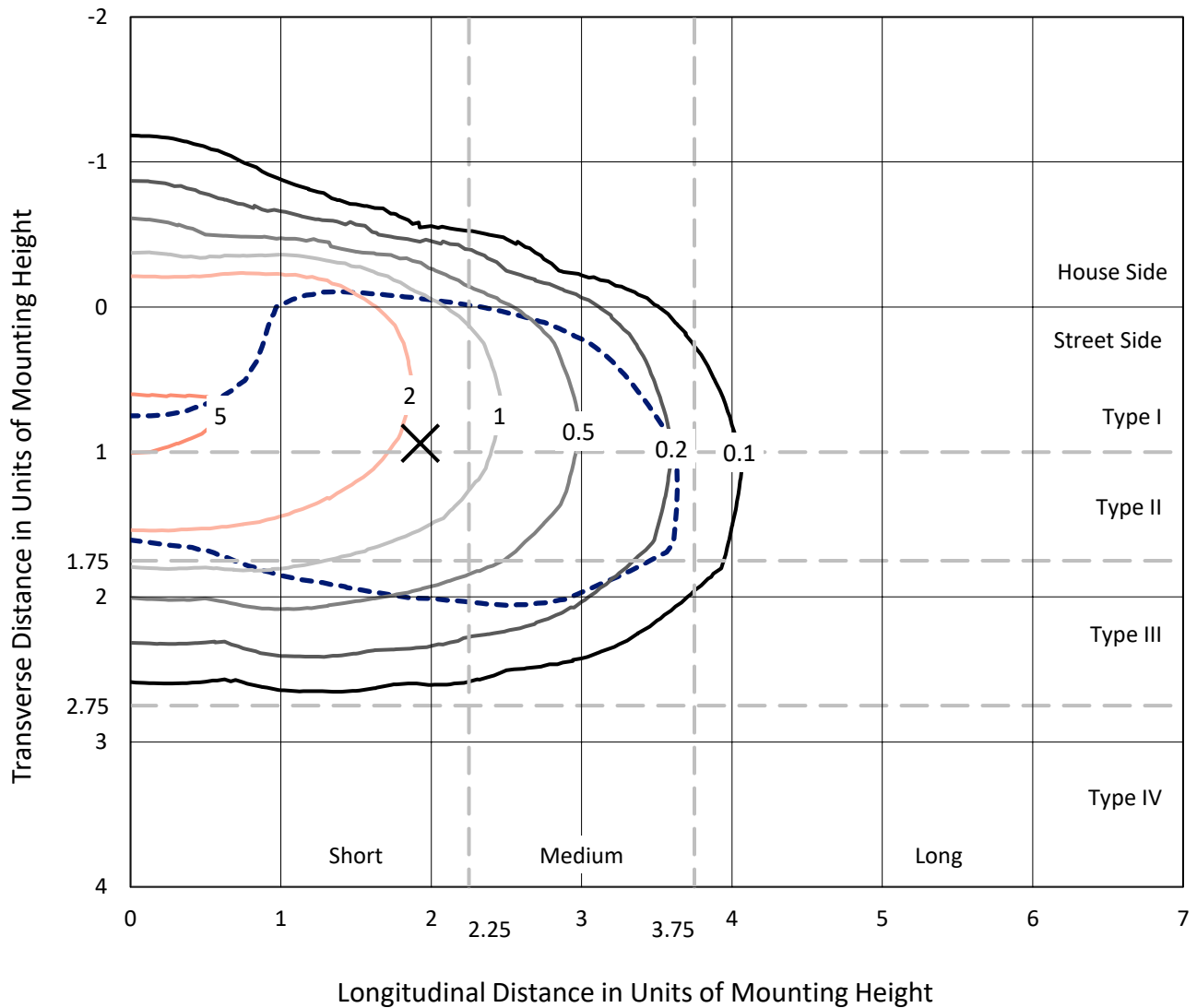
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942206
 CATALOG NUMBER: GALN-SB6A-835-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

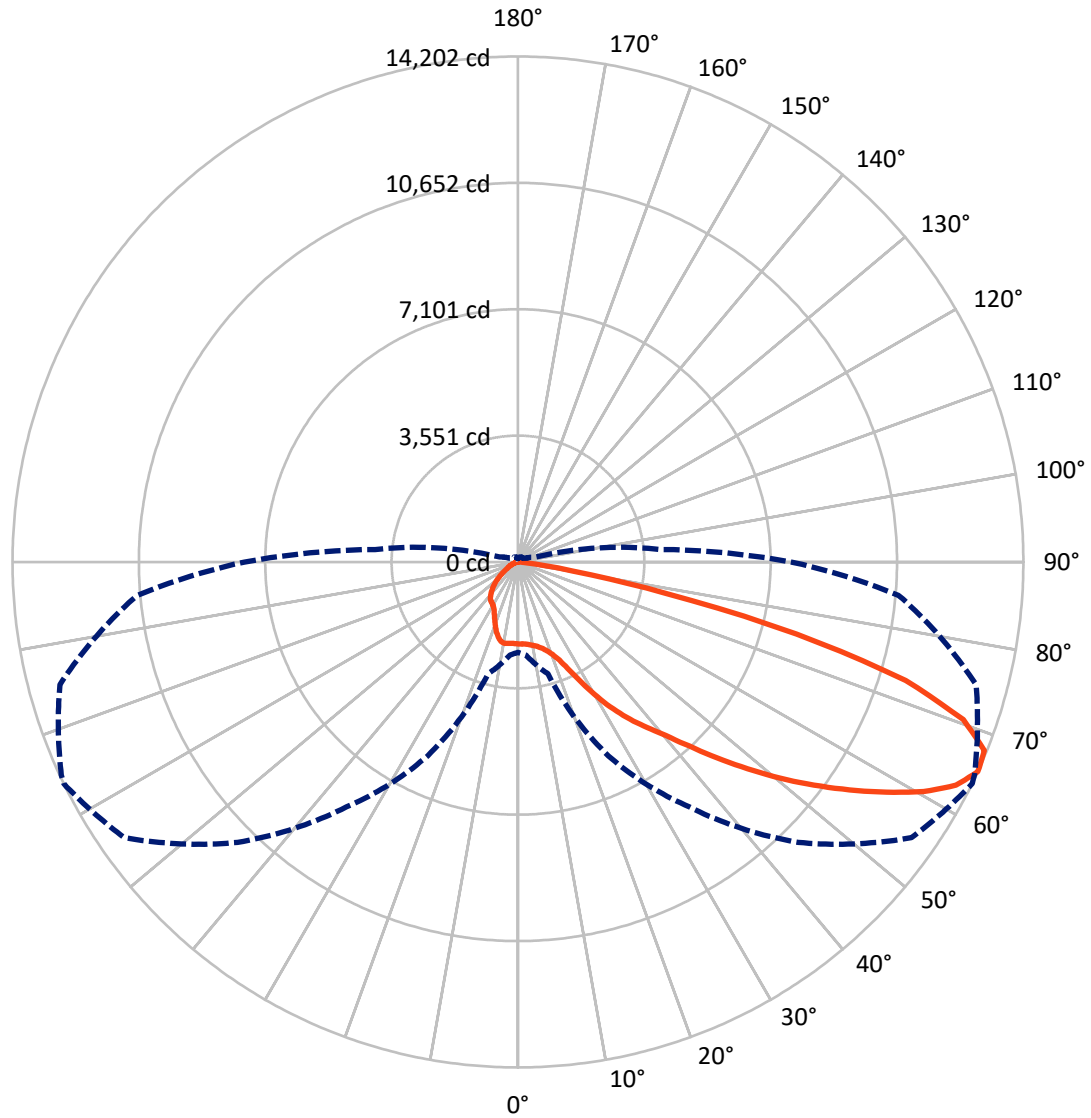
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - N/A

REPORT NUMBER: P942206
CATALOG NUMBER: GALN-SB6A-835-U-T3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P942206

CATALOG NUMBER: GALN-SB6A-835-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2646.3	0.0	2646.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	17141.7	0.0	17141.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	19788.0	0.0	19788.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.3	1.1
10°-20°	575.9	2.9
20°-30°	1091.3	5.5
30°-40°	2208.4	11.2
40°-50°	3761.9	19.0
50°-60°	5116.0	25.9
60°-70°	4804.1	24.3
70°-80°	1924.7	9.7
80°-90°	93.3	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°	19788.0	100.0
0°-180°	19788.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942206

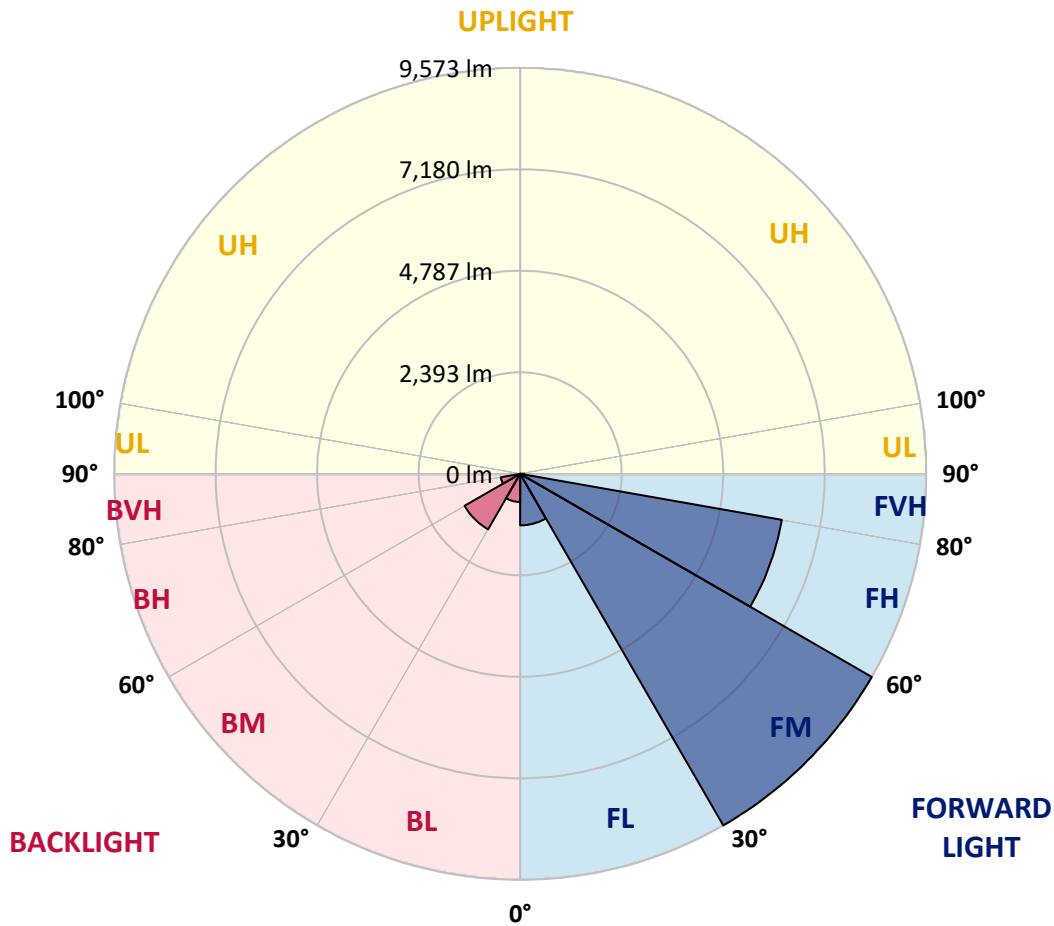
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1215.2	6.1			
FM (30°-60°)	9573.4	48.4			
FH (60°-80°)	6264.4	31.7			G3/7500
FVH (80°-90°)	88.7	0.4			G1/100
BL (0°-30°)	664.4	3.4	B2/1000		
BM (30°-60°)	1512.8	7.6	B2/2500		
BH (60°-80°)	464.5	2.3	B1/500		G1/500
BVH (80°-90°)	4.6	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



REPORT NUMBER: P942206

CATALOG NUMBER: GALN-SB6A-835-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5
2.5°	2293.6	2309.5	2305.5	2301.5	2300.2	2302.9	2304.2	2302.9	2302.9	2302.9
5°	2249.8	2263.1	2263.1	2272.4	2285.6	2301.5	2313.5	2316.1	2318.8	2322.8
7.5°	2166.2	2176.9	2184.8	2215.3	2248.5	2290.9	2326.8	2345.3	2348.0	2362.6
10°	2109.2	2122.5	2135.7	2167.6	2215.3	2279.0	2340.0	2385.1	2391.8	2426.2
12.5°	2106.5	2119.8	2137.1	2171.5	2227.3	2294.9	2369.2	2434.2	2446.1	2496.6
15°	2134.4	2150.3	2166.2	2208.7	2268.4	2350.6	2430.2	2511.1	2523.1	2594.7
17.5°	2191.4	2212.7	2224.6	2267.1	2330.7	2422.3	2527.1	2619.9	2630.5	2714.1
20°	2304.2	2329.4	2333.4	2367.9	2430.2	2528.4	2653.1	2768.5	2781.8	2877.3
22.5°	2537.7	2573.5	2541.7	2558.9	2614.6	2712.8	2848.1	2994.0	3012.6	3121.4
25°	2948.9	2999.3	2917.1	2887.9	2911.8	3013.9	3183.7	3368.1	3389.3	3476.9
27.5°	3756.8	3691.8	3567.1	3445.0	3373.4	3431.8	3622.8	3851.0	3877.5	3962.4
30°	4644.2	4587.2	4418.7	4148.1	3978.3	3969.0	4145.4	4400.1	4430.6	4511.6
32.5°	5533.0	5478.6	5295.6	4962.6	4668.1	4522.2	4644.2	4926.8	4942.7	4994.4
35°	6407.2	6351.5	6168.4	5827.5	5465.4	5133.7	5109.8	5428.2	5433.5	5487.9
37.5°	7286.7	7240.3	7045.3	6711.0	6354.1	5896.5	5674.9	5903.1	5909.7	5962.8
40°	7914.1	7934.0	7800.1	7541.4	7235.0	6734.9	6309.0	6408.5	6368.7	6457.6
42.5°	8452.7	8492.5	8375.8	8245.8	8068.0	7627.6	7094.3	7077.1	7013.4	7061.2
45°	8918.3	8951.5	8846.7	8816.2	8812.2	8503.1	7952.6	7849.1	7760.3	7751.0
47.5°	9089.5	9153.1	9198.2	9300.4	9499.4	9369.4	8840.1	8679.6	8580.1	8507.1
50°	9154.5	9222.1	9376.0	9673.1	10144.1	10199.8	9723.6	9543.1	9421.1	9288.4
52.5°	9066.9	9187.6	9394.6	9894.7	10577.8	10865.7	10571.2	10413.4	10274.1	10057.8
55°	8550.9	8671.6	9094.8	9892.0	10794.1	11332.6	11372.4	11302.1	11145.6	10804.7
57.5°	7463.1	7642.2	8312.1	9555.1	10790.1	11734.6	12157.8	12208.2	12033.1	11544.9
60°	5956.2	6198.9	7016.1	8808.2	10457.1	11952.1	12846.2	13098.3	12912.6	12274.5
62.5°	4156.1	4437.3	5210.7	7638.2	9695.7	11795.6	13349.0	13814.6	13674.0	12927.1
65°	2535.0	2625.2	3248.7	6010.6	8401.0	11140.3	13504.2	14202.0	14155.5	13326.4
67.5°	1688.7	1764.3	1943.4	4121.6	6521.3	9831.0	13132.8	14134.3	14147.6	13261.4
70°	1017.5	1082.5	1199.2	2397.1	4226.4	7781.5	11982.7	13272.0	13349.0	12392.6
72.5°	419.2	463.0	569.1	1086.4	2188.8	4938.7	9541.8	11395.0	11574.1	10420.0
75°	237.5	260.0	334.3	545.2	949.8	2301.5	5779.7	8089.3	8353.2	7181.9
77.5°	157.9	168.5	216.2	352.9	534.6	785.3	2470.0	4214.4	4718.5	3922.6
80°	106.1	115.4	148.6	236.1	347.6	336.9	786.6	1561.3	1920.8	1347.8
82.5°	71.6	73.0	106.1	155.2	220.2	163.2	232.1	485.5	610.2	390.0
85°	41.1	39.8	78.3	90.2	98.2	67.7	70.3	145.9	191.0	164.5
87.5°	5.3	8.0	30.5	23.9	13.3	14.6	14.6	25.2	37.1	39.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942206
 CATALOG NUMBER: GALN-SB6A-835-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2301.5	0°	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5	2301.5
2304.2	2.5°	2304.2	2302.9	2298.9	2294.9	2285.6	2280.3	2283.0	2280.3	2279.0	2280.3
2321.4	5°	2321.4	2317.5	2306.9	2293.6	2275.0	2252.5	2237.9	2216.7	2196.8	2184.8
2367.9	7.5°	2367.9	2363.9	2349.3	2312.2	2252.5	2158.3	2072.1	1996.4	1939.4	1906.2
2442.2	10°	2442.2	2435.5	2413.0	2330.7	2174.2	1968.6	1797.5	1655.5	1562.7	1518.9
2529.7	12.5°	2529.7	2521.8	2482.0	2313.5	2025.6	1704.6	1468.5	1310.6	1224.4	1185.9
2630.5	15°	2633.2	2622.6	2544.3	2231.2	1809.4	1412.8	1196.5	1078.5	1022.8	988.3
2759.2	17.5°	2761.9	2743.3	2590.7	2107.9	1574.6	1189.9	1029.4	940.5	891.4	858.3
2927.7	20°	2929.0	2898.5	2627.9	1960.6	1358.4	1049.3	916.6	842.4	805.2	776.0
3166.5	22.5°	3162.5	3118.7	2673.0	1801.4	1205.8	952.5	833.1	778.7	748.2	715.0
3499.4	25°	3451.7	3399.9	2728.7	1654.2	1101.0	868.9	772.0	726.9	691.1	652.7
3935.8	27.5°	3856.3	3763.4	2795.0	1533.5	1010.8	797.3	716.3	665.9	624.8	593.0
4430.6	30°	4307.3	4154.7	2853.4	1460.5	928.6	730.9	643.4	593.0	554.5	531.9
4875.0	32.5°	4734.4	4527.5	2891.9	1428.7	854.3	655.3	563.8	509.4	480.2	473.6
5310.1	35°	5137.7	4864.4	2887.9	1398.2	788.0	579.7	485.5	429.8	407.2	411.2
5778.4	37.5°	5602.0	5223.9	2860.0	1350.4	733.6	510.7	417.9	368.8	348.9	350.2
6347.5	40°	6141.9	5639.1	2842.8	1260.2	673.9	447.0	362.1	322.3	307.8	302.5
6947.1	42.5°	6717.6	6041.1	2845.4	1158.1	599.6	390.0	323.7	290.5	277.2	273.3
7614.3	45°	7296.0	6424.4	2849.4	1051.9	521.3	346.2	295.8	268.0	260.0	254.7
8290.9	47.5°	7839.9	6750.8	2775.1	937.9	444.4	313.1	273.3	254.7	248.1	241.4
8970.1	50°	8346.6	6968.3	2596.0	805.2	383.4	286.5	256.0	242.8	236.1	229.5
9585.6	52.5°	8740.6	7002.8	2300.2	668.6	340.9	266.6	245.4	233.5	225.5	218.9
10083.0	55°	8915.7	6786.6	1879.7	541.2	307.8	249.4	234.8	222.9	213.6	206.9
10474.4	57.5°	8870.6	6331.6	1465.8	435.1	275.9	232.1	221.5	213.6	203.0	192.3
10791.4	60°	8649.1	5722.7	1105.0	362.1	246.7	213.6	206.9	200.3	185.7	169.8
10913.5	62.5°	8265.7	4957.3	788.0	299.8	214.9	192.3	189.7	184.4	163.2	134.0
10733.0	65°	7679.3	4027.4	530.6	249.4	184.4	168.5	169.8	160.5	132.7	99.5
10072.4	67.5°	6822.4	2944.9	339.6	204.3	153.9	140.6	141.9	136.6	112.8	84.9
8820.2	70°	5730.7	1950.0	221.5	155.2	123.4	108.8	116.7	118.1	95.5	69.0
6769.3	72.5°	4201.2	1151.4	155.2	115.4	90.2	75.6	95.5	98.2	76.9	51.7
4072.5	75°	2394.4	546.5	116.7	83.6	55.7	53.1	74.3	74.3	53.1	34.5
1763.0	77.5°	1005.5	228.2	82.2	54.4	31.8	30.5	50.4	46.4	26.5	15.9
429.8	80°	290.5	102.1	43.8	26.5	13.3	11.9	19.9	14.6	6.6	2.7
163.2	82.5°	114.1	45.1	17.2	10.6	5.3	5.3	2.7	0.0	0.0	0.0
92.9	85°	67.7	18.6	8.0	4.0	1.3	0.0	0.0	0.0	0.0	0.0
19.9	87.5°	17.2	4.0	2.7	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>
2301.5
2285.6
2187.5
1907.6
1514.9
1181.9
989.6
855.6
770.7
709.7
648.7
586.3
528.0
477.6
411.2
355.5
301.1
271.9
254.7
241.4
229.5
217.6
205.6
191.0
167.1
131.3
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