

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: P948308

Luminaire Tested: **GALN-SB3B-927-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-927-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8707 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

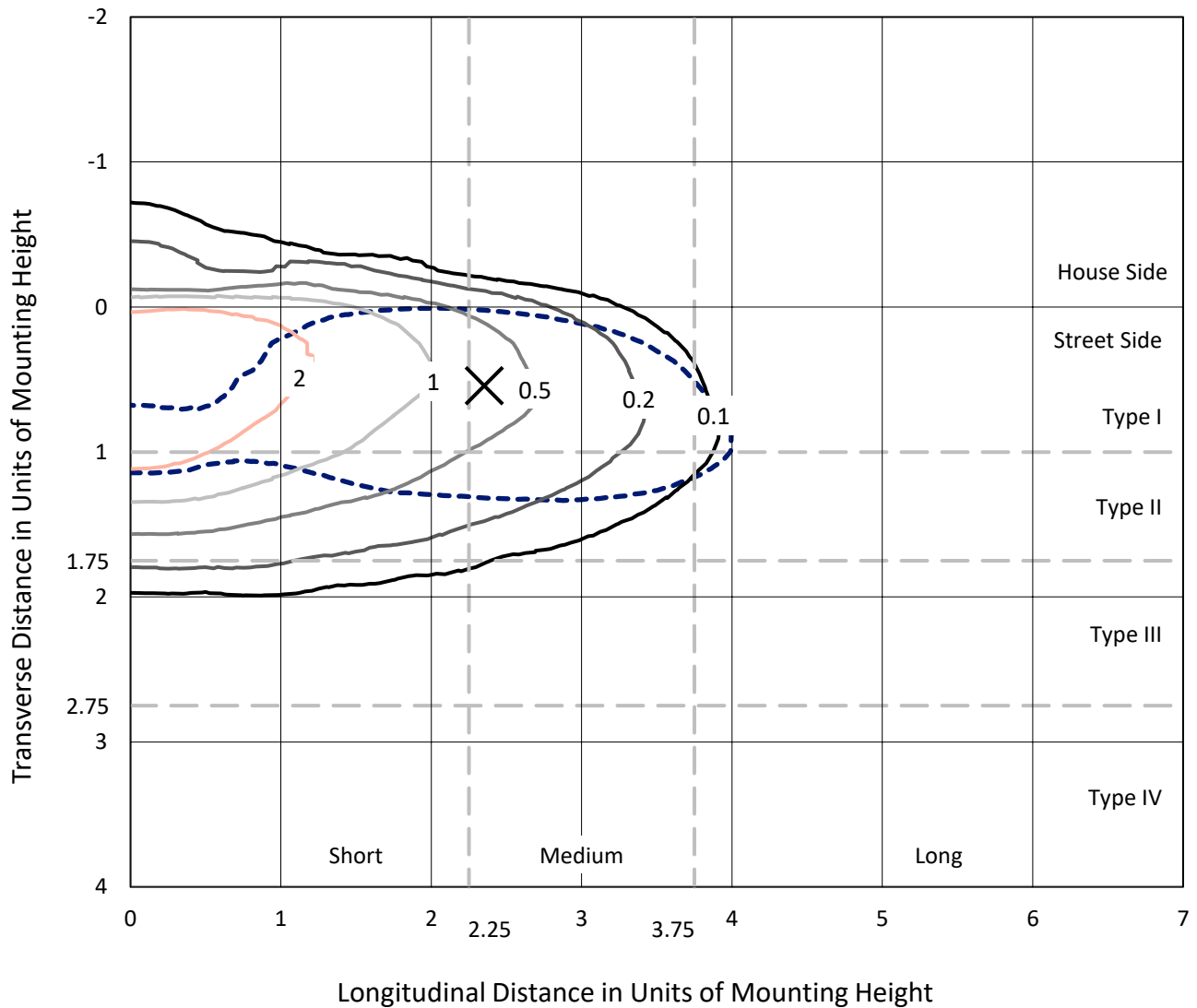
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

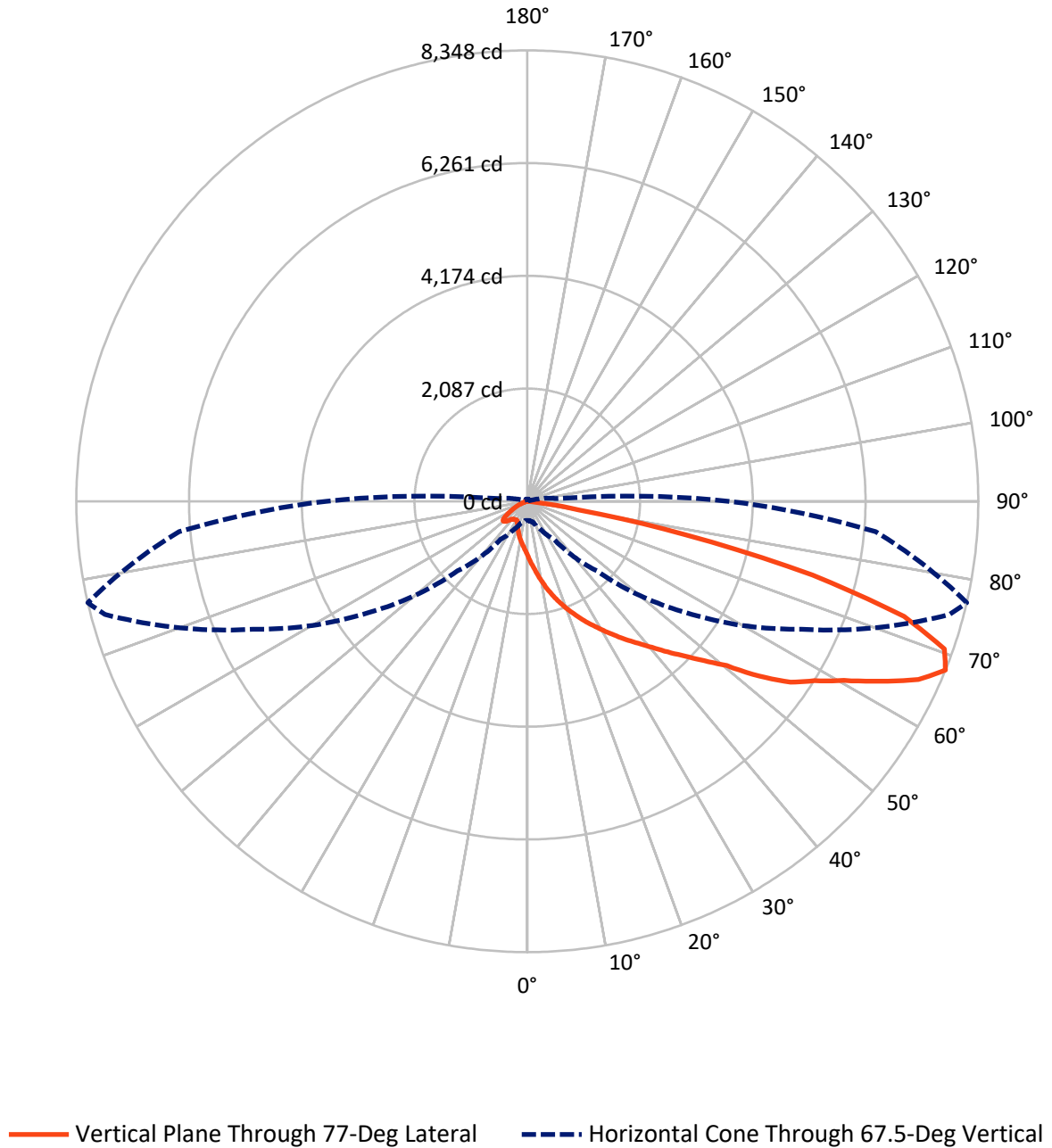
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	640.6	0.0	640.6
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	8066.4	0.0	8066.4
	% Fixture	92.6	0.0	92.6
Total	Lumens	8707.0	0.0	8707.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.5	1.2
10°-20°	358.9	4.1
20°-30°	692.5	8.0
30°-40°	1202.3	13.8
40°-50°	1745.6	20.0
50°-60°	2004.6	23.0
60°-70°	1740.4	20.0
70°-80°	819.7	9.4
80°-90°	40.5	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°	8707.0	100.0
0°-180°	8707.0	100.0

Coefficient of Utilization



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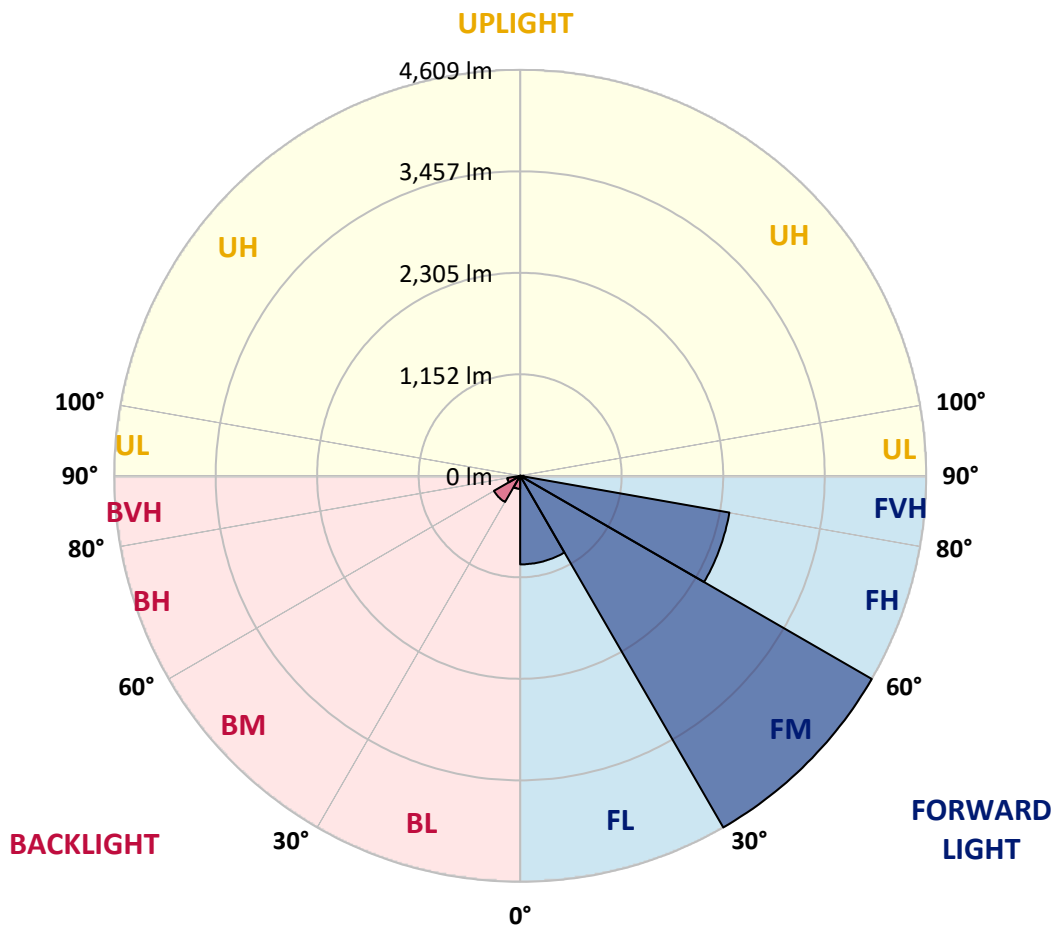
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1005.6	11.5			
FM (30°-60°)	4609.3	52.9			
FH (60°-80°)	2411.8	27.7			G2/5000
FVH (80°-90°)	39.8	0.5			G1/100
BL (0°-30°)	148.3	1.7	B1/500		
BM (30°-60°)	343.2	3.9	B1/1000		
BH (60°-80°)	148.3	1.7	B1/500		G1/500
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0
2.5°	1390.1	1398.7	1386.3	1362.5	1326.8	1303.6	1246.8	1193.3	1133.8	1114.9
5°	1694.5	1702.1	1688.0	1662.1	1614.5	1569.1	1494.4	1382.5	1266.3	1229.0
7.5°	1920.0	1924.3	1918.9	1895.1	1849.7	1798.3	1715.0	1582.6	1410.1	1369.0
10°	2082.2	2096.2	2094.6	2085.4	2055.1	2013.5	1924.8	1774.0	1571.2	1518.2
12.5°	2189.8	2205.4	2214.6	2235.2	2233.6	2207.1	2129.2	1969.7	1731.8	1669.6
15°	2221.1	2237.9	2273.0	2320.6	2362.8	2376.3	2321.7	2161.6	1908.6	1829.1
17.5°	2203.3	2229.2	2271.4	2346.6	2439.0	2500.1	2494.2	2347.1	2069.2	1978.4
20°	2242.7	2267.6	2300.6	2363.9	2471.5	2582.3	2626.6	2524.4	2228.7	2133.5
22.5°	2461.2	2456.9	2460.1	2470.4	2534.7	2644.5	2735.8	2685.6	2386.6	2289.2
25°	2807.2	2787.8	2754.8	2699.1	2682.9	2735.8	2831.0	2828.3	2553.1	2448.7
27.5°	3204.1	3200.8	3123.5	2989.4	2913.7	2893.2	2938.6	2967.3	2718.0	2606.6
30°	3584.2	3592.8	3488.5	3339.2	3200.3	3119.7	3078.6	3099.2	2885.6	2776.9
32.5°	3915.1	3924.3	3810.7	3636.1	3464.1	3366.8	3280.3	3229.5	3068.4	2950.0
35°	4194.6	4203.8	4073.5	3880.5	3697.2	3609.0	3511.2	3372.2	3252.2	3141.9
37.5°	4444.4	4441.7	4267.1	4072.4	3892.4	3822.6	3771.3	3548.0	3441.4	3334.9
40°	4592.0	4603.4	4454.1	4239.5	4064.8	4014.0	4010.8	3765.8	3659.9	3556.6
42.5°	4635.3	4655.3	4547.1	4370.9	4212.4	4157.3	4242.2	4001.6	3914.0	3813.4
45°	4557.4	4576.9	4527.7	4405.5	4313.0	4277.3	4441.2	4246.0	4185.4	4085.9
47.5°	4330.3	4354.6	4366.5	4340.6	4339.5	4375.7	4619.6	4503.3	4507.7	4406.0
50°	3890.7	3931.8	4041.1	4133.0	4275.2	4453.6	4793.1	4782.3	4871.0	4783.4
52.5°	3091.6	3150.0	3526.3	3777.7	4097.3	4439.0	4984.0	5230.0	5508.5	5380.3
55°	2484.4	2484.4	2790.5	3260.8	3750.2	4342.8	5067.3	5520.9	5942.6	5912.3
57.5°	2025.4	2049.7	2244.9	2660.7	3247.9	4113.5	5118.6	5703.6	6292.4	6270.3
60°	1250.1	1302.5	1671.2	2081.6	2676.4	3705.3	5086.2	5888.6	6716.9	6734.7
62.5°	704.0	723.4	887.8	1497.7	2081.1	3156.5	4838.0	5991.8	7259.7	7335.4
65°	486.1	495.8	559.1	932.1	1442.5	2513.1	4353.0	5927.5	7803.7	7956.7
67.5°	353.1	357.9	397.4	569.3	855.9	1822.1	3592.8	5603.1	8091.8	8347.6
70°	271.4	274.7	303.3	374.2	505.5	1124.6	2609.3	4958.0	7883.1	8188.6
72.5°	220.6	223.8	246.0	276.8	335.2	665.0	1581.5	4026.5	6961.8	7291.6
75°	186.0	190.3	210.3	230.3	262.8	427.1	741.8	2804.0	5235.4	5451.7
77.5°	103.3	95.2	170.9	190.9	221.7	270.3	347.1	1650.2	2932.1	2992.1
80°	64.3	66.5	135.7	153.6	170.3	136.3	159.0	635.3	1016.5	965.7
82.5°	3.8	8.7	104.4	110.8	116.8	58.4	60.0	215.7	244.9	224.9
85°	0.0	0.0	47.6	38.4	40.6	16.8	17.3	50.3	33.0	35.7
87.5°	0.0	0.0	0.0	1.1	0.0	1.6	3.2	4.3	1.6	2.2
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°
1004.0	0°	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0	1004.0
1055.4	2.5°	1017.6	979.7	902.9	827.8	766.7	709.9	669.4	631.0	611.5	610.4
1123.5	5°	1048.4	968.9	815.3	679.6	570.4	482.8	426.1	385.5	365.0	357.9
1207.3	7.5°	1091.6	972.1	738.6	549.9	421.2	346.0	313.6	300.6	296.3	291.4
1302.0	10°	1146.2	979.7	669.9	442.8	332.0	294.1	281.2	275.7	272.5	269.3
1408.5	12.5°	1207.3	986.7	601.8	367.7	292.0	272.5	263.3	256.8	252.5	248.7
1517.7	15°	1266.8	991.1	530.9	315.2	271.4	255.7	246.0	239.0	233.0	228.7
1624.7	17.5°	1325.8	997.0	464.4	283.9	254.7	239.0	229.2	220.6	215.7	210.9
1737.2	20°	1391.2	995.9	401.7	261.7	237.9	222.2	211.9	203.8	199.0	193.6
1856.2	22.5°	1451.7	990.5	346.6	242.8	220.6	205.5	194.1	186.0	181.1	176.8
1977.8	25°	1521.5	986.2	300.6	225.5	204.4	189.2	176.8	169.2	163.8	160.0
2100.0	27.5°	1588.5	979.7	267.1	209.8	188.7	174.1	162.2	153.6	148.7	146.0
2226.0	30°	1654.5	978.1	254.7	194.6	174.6	160.0	148.1	140.0	136.3	135.2
2364.4	32.5°	1734.0	982.4	260.1	189.2	161.7	147.1	135.7	129.8	126.0	126.0
2518.5	35°	1818.9	981.3	268.2	194.1	153.0	134.1	125.4	121.7	117.9	117.9
2689.3	37.5°	1925.4	983.0	274.7	202.2	149.8	123.3	118.4	113.5	111.4	111.4
2876.4	40°	2084.3	1036.5	271.4	209.2	148.7	115.7	106.0	104.4	102.7	102.7
3087.8	42.5°	2279.0	1152.7	275.7	209.8	148.1	110.3	97.3	100.6	96.8	96.2
3326.3	45°	2492.0	1279.8	303.3	198.4	147.6	107.6	93.0	96.8	90.8	90.8
3602.6	47.5°	2703.4	1405.8	331.4	182.2	146.0	107.1	89.2	87.0	85.4	86.0
3962.7	50°	2994.8	1508.5	342.3	160.0	142.2	106.0	82.2	82.7	81.6	82.7
4470.4	52.5°	3312.2	1530.1	329.3	135.2	131.4	102.7	77.3	79.5	78.9	80.0
4827.7	55°	3510.1	1506.9	272.0	112.5	114.6	89.8	72.5	76.8	76.8	76.8
5177.0	57.5°	3714.5	1407.9	193.0	91.4	95.2	73.5	68.1	74.1	73.5	73.0
5597.7	60°	3861.5	1247.9	127.1	75.2	75.7	60.6	63.3	69.7	69.2	66.5
6031.3	62.5°	3971.3	1071.1	81.6	63.8	57.9	54.6	57.9	63.3	61.1	55.1
6399.0	65°	3958.9	826.2	62.7	54.6	47.6	47.6	50.3	55.1	48.7	38.9
6469.3	67.5°	3728.0	559.1	51.9	46.0	40.0	39.5	41.6	46.0	41.6	33.0
6109.2	70°	3315.5	365.5	41.6	35.7	31.9	29.2	33.5	39.5	35.1	26.5
5200.8	72.5°	2691.0	222.8	31.4	26.0	23.2	18.9	26.5	32.4	28.1	19.5
3616.6	75°	1741.0	113.5	21.6	16.8	12.4	11.4	19.5	24.3	19.5	11.9
1604.7	77.5°	666.1	47.6	11.9	7.6	6.5	5.4	10.8	14.6	8.1	2.7
310.9	80°	128.1	20.0	5.9	3.8	3.2	2.2	1.6	1.1	0.0	0.0
55.1	82.5°	22.2	6.5	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
10.8	85°	7.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.8	87.5°	2.7	0.0	0.0	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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180°
1004.0
609.3
356.8
290.3
268.2
247.6
228.2
210.3
193.0
176.3
159.5
146.0
134.6
126.0
117.9
111.4
102.7
95.7
90.8
86.0
82.7
80.0
76.8
73.0
66.5
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