

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: P948142

Luminaire Tested: **GALN-SB3B-740-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948142
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-SB3B-740-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 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: 13661 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

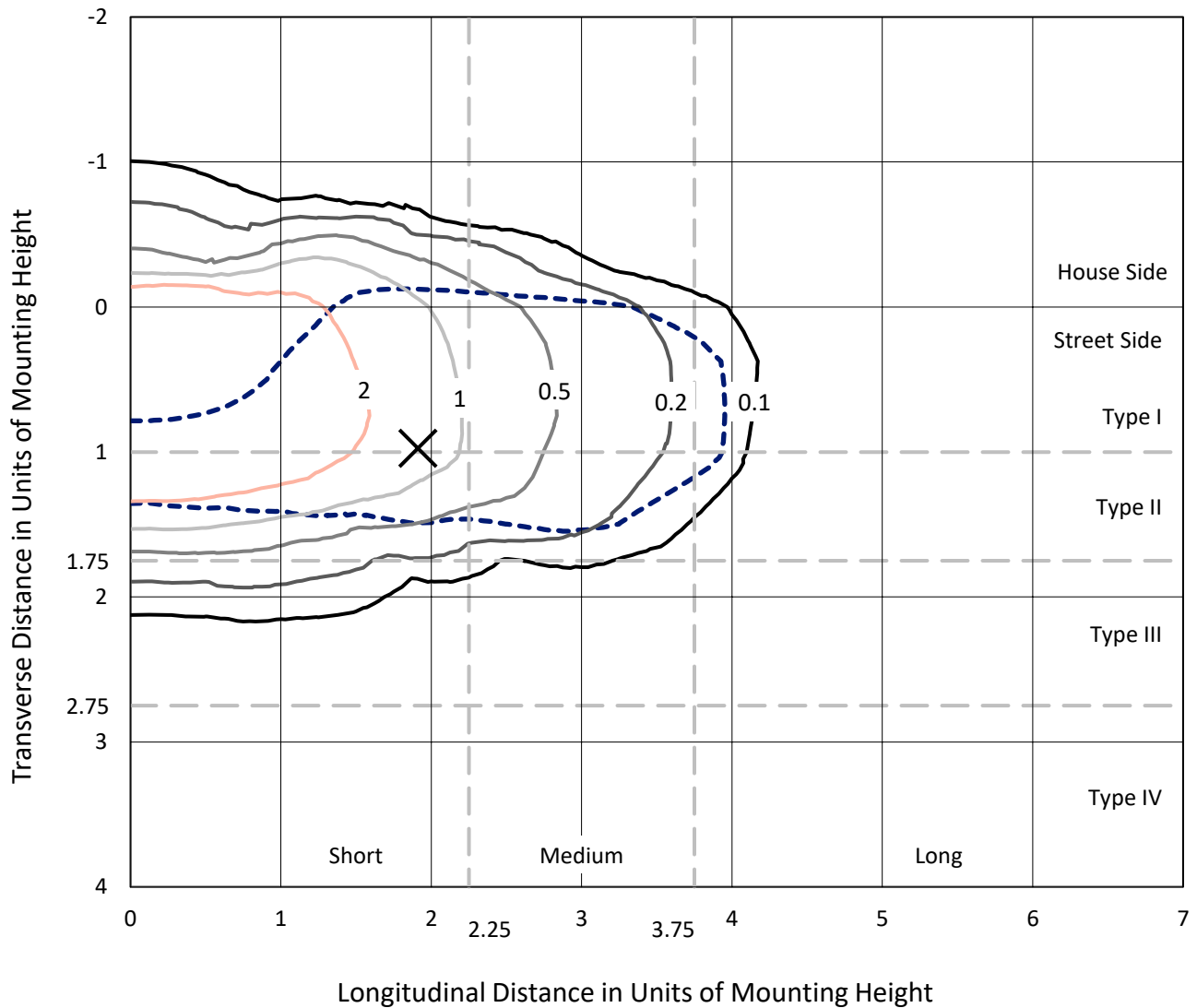
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

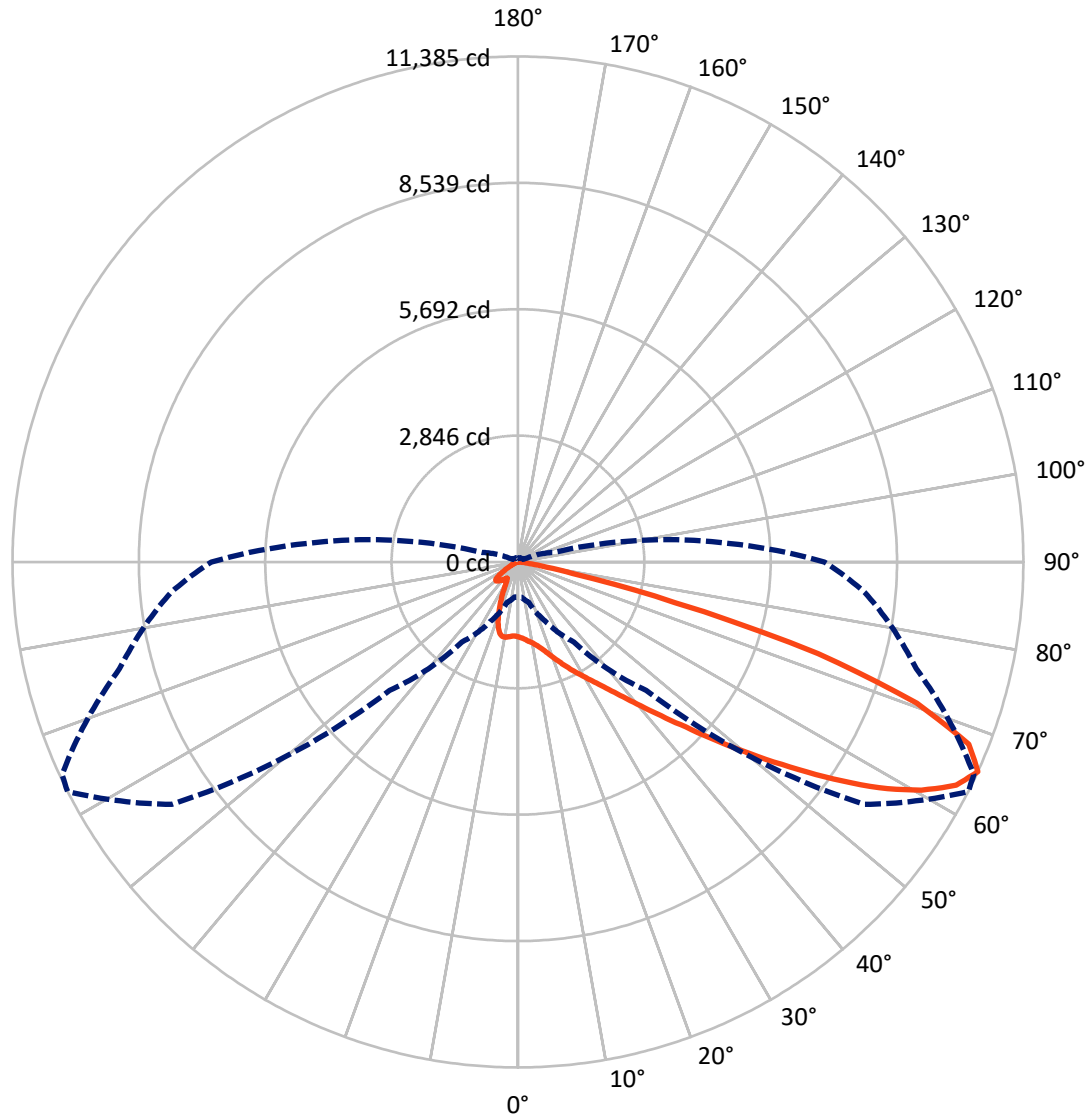
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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
House Side	Lumens	2008.1	0.0	2008.1
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	11652.9	0.0	11652.9
	% Fixture	85.3	0.0	85.3
Total	Lumens	13661.0	0.0	13661.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.9	1.2
10°-20°	440.8	3.2
20°-30°	767.5	5.6
30°-40°	1383.3	10.1
40°-50°	2743.5	20.1
50°-60°	3737.2	27.4
60°-70°	2983.0	21.8
70°-80°	1349.9	9.9
80°-90°	97.0	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°	13661.0	100.0
0°-180°	13661.0	100.0

Coefficient of Utilization



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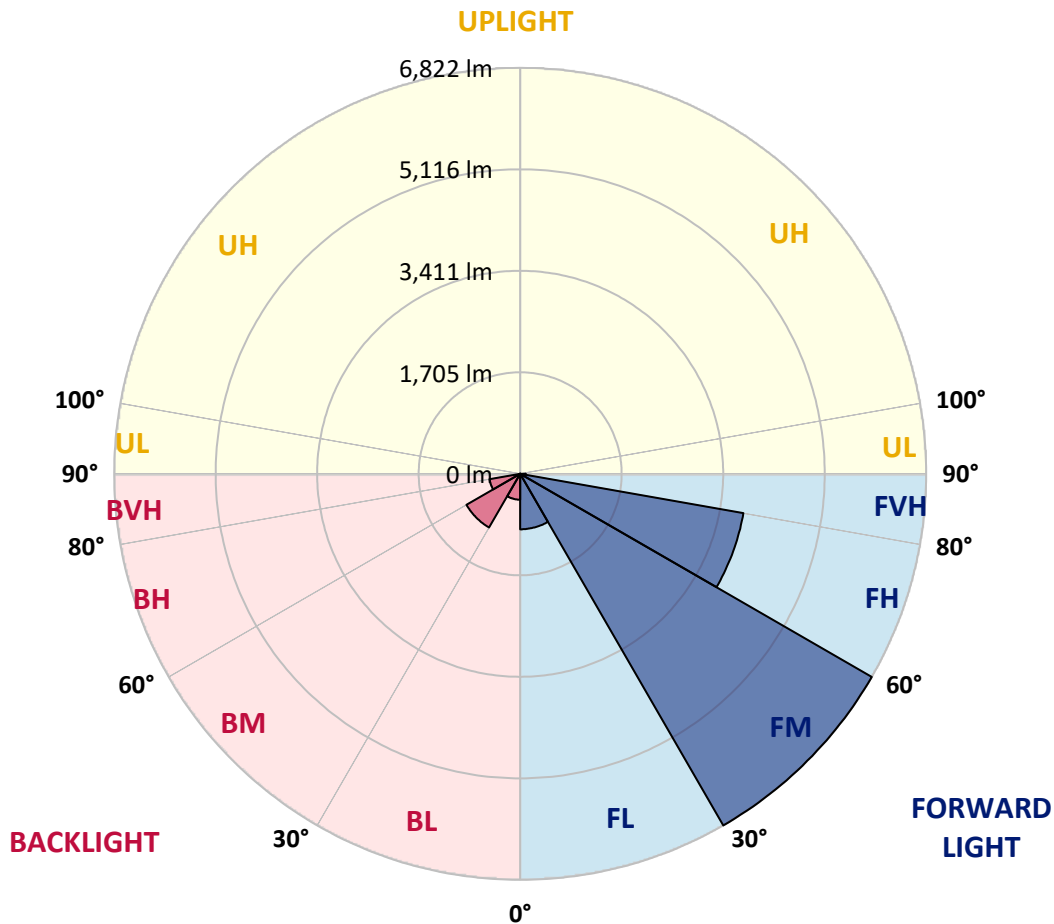
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	932.5	6.8			
FM (30°-60°)	6822.0	49.9			
FH (60°-80°)	3808.6	27.9			G2/5000
FVH (80°-90°)	89.8	0.7			G1/100
BL (0°-30°)	434.6	3.2	B1/500		
BM (30°-60°)	1042.1	7.6	B2/2500		
BH (60°-80°)	524.2	3.8	B2/1000		G2/1000
BVH (80°-90°)	7.2	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	1686.0	1686.0	1686.0	1686.0	1686.0	1686.0	1686.0	1686.0	1686.0	1686.0
2.5°	1725.5	1720.8	1727.4	1724.6	1722.7	1718.9	1717.0	1715.2	1711.4	1708.6
5°	1730.2	1727.4	1734.0	1739.6	1745.2	1750.9	1753.7	1757.5	1753.7	1746.2
7.5°	1690.7	1688.8	1702.9	1719.9	1745.2	1766.8	1790.3	1803.5	1804.4	1801.6
10°	1687.9	1683.2	1697.3	1718.0	1750.9	1789.4	1830.8	1859.0	1862.7	1874.9
12.5°	1732.1	1727.4	1747.1	1769.7	1803.5	1843.9	1894.7	1934.1	1939.8	1956.7
15°	1806.3	1799.7	1822.3	1851.4	1894.7	1940.7	1994.3	2030.0	2034.7	2055.4
17.5°	1892.8	1886.2	1912.5	1943.5	1990.5	2053.5	2115.5	2155.0	2160.6	2173.8
20°	2003.7	1995.2	2015.9	2044.1	2093.9	2169.1	2243.3	2299.7	2298.8	2298.8
22.5°	2132.4	2119.3	2137.1	2159.7	2206.7	2297.8	2396.5	2463.3	2463.3	2436.9
25°	2270.6	2257.4	2277.2	2297.8	2339.2	2442.6	2558.2	2640.9	2644.6	2599.5
27.5°	2443.5	2426.6	2441.6	2466.1	2490.5	2595.8	2733.0	2828.8	2830.7	2761.2
30°	2776.2	2728.3	2681.3	2655.0	2666.3	2770.6	2917.2	3023.4	3032.8	2936.9
32.5°	3385.2	3375.8	3210.4	2994.2	2881.5	2958.5	3123.0	3250.8	3256.5	3133.3
35°	4331.6	4320.3	4054.4	3642.7	3275.3	3210.4	3373.0	3524.3	3520.5	3381.4
37.5°	5461.3	5450.9	5100.4	4549.6	3954.7	3591.0	3695.3	3854.2	3877.7	3695.3
40°	6426.4	6387.9	6166.1	5635.1	4857.0	4222.6	4154.0	4259.2	4283.7	4067.5
42.5°	7157.6	7124.7	7011.9	6680.2	5949.0	5156.8	4694.4	4734.8	4762.0	4502.6
45°	7536.4	7528.8	7574.0	7542.9	7061.8	6303.3	5466.9	5298.7	5309.0	4984.8
47.5°	7589.9	7586.2	7792.0	8083.3	8018.5	7596.5	6458.4	6001.6	5965.0	5528.9
50°	7274.2	7266.6	7661.4	8207.4	8657.6	8682.9	7584.3	6793.9	6713.1	6091.9
52.5°	6265.7	6263.9	6912.3	7821.1	8882.2	9634.0	8697.0	7664.2	7528.8	6687.7
55°	4821.2	4856.0	5599.4	6673.6	8472.4	10091.7	9696.1	8630.3	8422.6	7287.3
57.5°	3415.3	3466.0	4201.0	5157.7	7201.8	9821.1	10371.8	9598.3	9374.6	7885.0
60°	1834.5	1879.6	2615.5	3757.4	5357.9	8811.7	10728.0	10438.5	10227.1	8452.7
62.5°	1093.0	1108.0	1412.5	2425.7	3623.9	6731.9	10576.7	11078.5	10904.7	8929.2
65°	784.7	787.6	940.8	1481.1	2200.1	4090.1	9515.6	11384.9	11331.3	9288.2
67.5°	660.7	658.8	722.7	984.0	1499.0	2048.8	7293.0	10951.6	11179.1	9515.6
70°	566.7	569.5	644.7	720.8	1126.8	1159.7	3625.8	9535.3	10020.3	9575.8
72.5°	422.0	431.4	500.9	656.9	850.5	797.9	1251.8	7070.2	7947.1	9022.2
75°	297.9	302.6	352.4	552.6	634.4	580.8	639.1	3654.9	4779.0	6917.0
77.5°	229.3	237.8	266.9	386.3	625.0	407.9	391.0	1265.0	1943.5	4178.4
80°	124.1	139.1	192.7	279.1	438.9	288.5	193.6	503.7	658.8	1953.9
82.5°	63.9	71.4	134.4	201.1	250.0	251.9	95.9	209.6	271.6	603.4
85°	25.4	31.0	90.2	110.9	128.8	124.1	43.2	84.6	97.7	167.3
87.5°	5.6	9.4	32.9	25.4	24.4	26.3	10.3	19.7	18.8	19.7
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°
1686.0	0°	1686.0	1686.0	1686.0	1686.0	1686.0	1686.0	1686.0	1686.0	1686.0	1686.0
1697.3	2.5°	1696.4	1692.6	1682.3	1671.0	1657.8	1650.3	1645.6	1644.7	1638.1	1633.4
1734.9	5°	1724.6	1720.8	1701.1	1677.6	1652.2	1632.5	1613.7	1596.7	1572.3	1567.6
1789.4	7.5°	1780.9	1770.6	1738.7	1706.7	1658.8	1601.4	1531.9	1452.0	1380.6	1359.0
1861.8	10°	1850.5	1836.4	1796.0	1739.6	1633.4	1477.4	1309.2	1153.2	1029.1	994.3
1947.3	12.5°	1929.4	1917.2	1863.7	1759.3	1527.2	1244.3	986.8	793.2	672.9	642.8
2038.5	15°	2023.4	2005.6	1931.3	1729.3	1337.4	945.5	677.6	562.9	519.7	514.1
2142.8	17.5°	2123.0	2093.9	1991.5	1621.2	1081.7	672.0	523.5	490.6	471.8	466.1
2248.0	20°	2214.2	2176.6	2027.2	1457.7	808.2	523.5	469.0	447.4	430.4	423.9
2353.3	22.5°	2305.4	2251.8	2027.2	1234.9	606.2	464.3	430.4	410.7	391.0	382.5
2466.1	25°	2400.3	2328.9	1991.5	986.8	487.8	425.7	393.8	372.2	355.2	344.9
2573.2	27.5°	2492.4	2393.7	1909.7	751.9	434.2	391.9	359.9	339.3	323.3	315.8
2689.7	30°	2579.8	2457.6	1795.0	570.5	399.4	359.0	328.9	311.1	295.1	287.6
2841.1	32.5°	2698.2	2538.4	1672.9	468.0	369.3	328.0	300.7	283.8	269.7	264.1
3037.5	35°	2862.7	2657.8	1567.6	459.6	344.0	302.6	275.4	259.4	245.3	240.6
3291.2	37.5°	3095.7	2850.5	1512.2	516.0	323.3	280.1	254.7	237.8	224.6	220.9
3613.6	40°	3383.3	3111.7	1542.2	572.3	309.2	260.3	235.9	219.0	207.7	203.0
3983.9	42.5°	3724.5	3434.1	1708.6	615.6	299.8	243.4	218.0	199.2	191.7	189.8
4404.0	45°	4116.4	3788.4	1963.3	661.6	284.8	227.4	200.2	186.1	180.4	179.5
4860.7	47.5°	4561.9	4177.5	2258.4	719.0	269.7	212.4	186.1	176.7	172.0	170.1
5337.2	50°	5003.6	4569.4	2561.9	750.9	257.5	198.3	174.8	167.3	163.5	162.6
5840.9	52.5°	5466.0	4972.6	2807.2	720.8	247.2	187.0	165.4	159.8	156.0	155.1
6305.2	55°	5906.7	5298.7	2849.5	611.8	226.5	175.7	155.1	152.2	147.6	147.6
6776.1	57.5°	6286.4	5462.2	2550.7	449.2	205.8	158.8	144.7	141.9	138.2	137.2
7200.9	60°	6635.1	5415.2	1968.9	302.6	183.3	141.9	131.6	129.7	125.9	121.2
7570.2	62.5°	6831.5	5208.4	1346.8	197.4	160.7	124.1	116.5	115.6	107.1	97.7
7843.7	65°	6905.8	4783.7	840.2	143.8	134.4	106.2	100.6	98.7	86.5	76.1
7998.8	67.5°	6840.9	4084.4	423.9	113.7	106.2	88.3	82.7	82.7	74.2	64.8
7989.4	70°	6581.5	3061.9	178.6	91.2	81.8	67.7	67.7	71.4	63.0	52.6
7574.9	72.5°	6018.6	2060.1	94.9	69.5	61.1	47.9	55.4	58.3	49.8	39.5
6200.0	75°	4784.6	1256.5	65.8	51.7	38.5	33.8	42.3	44.2	33.8	26.3
4250.8	77.5°	3272.4	721.8	44.2	32.9	24.4	19.7	29.1	27.3	17.9	12.2
1639.0	80°	1437.0	300.7	25.4	15.0	9.4	7.5	10.3	7.5	5.6	3.8
224.6	82.5°	168.2	70.5	9.4	5.6	3.8	1.9	0.9	0.0	0.0	0.0
68.6	85°	34.8	8.5	4.7	1.9	0.9	0.0	0.0	0.0	0.0	0.0
12.2	87.5°	6.6	1.9	0.9	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>
1686.0
1638.1
1565.7
1348.6
981.2
634.4
508.4
463.3
420.1
377.8
341.2
315.8
288.5
264.1
240.6
219.9
202.1
189.8
178.6
170.1
162.6
155.1
146.6
136.3
120.3
95.9
75.2
63.9
51.7
39.5
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13.2
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