

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: P942266

Luminaire Tested: **GALN-SB6A-940-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942266
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-940-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 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: 15459 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

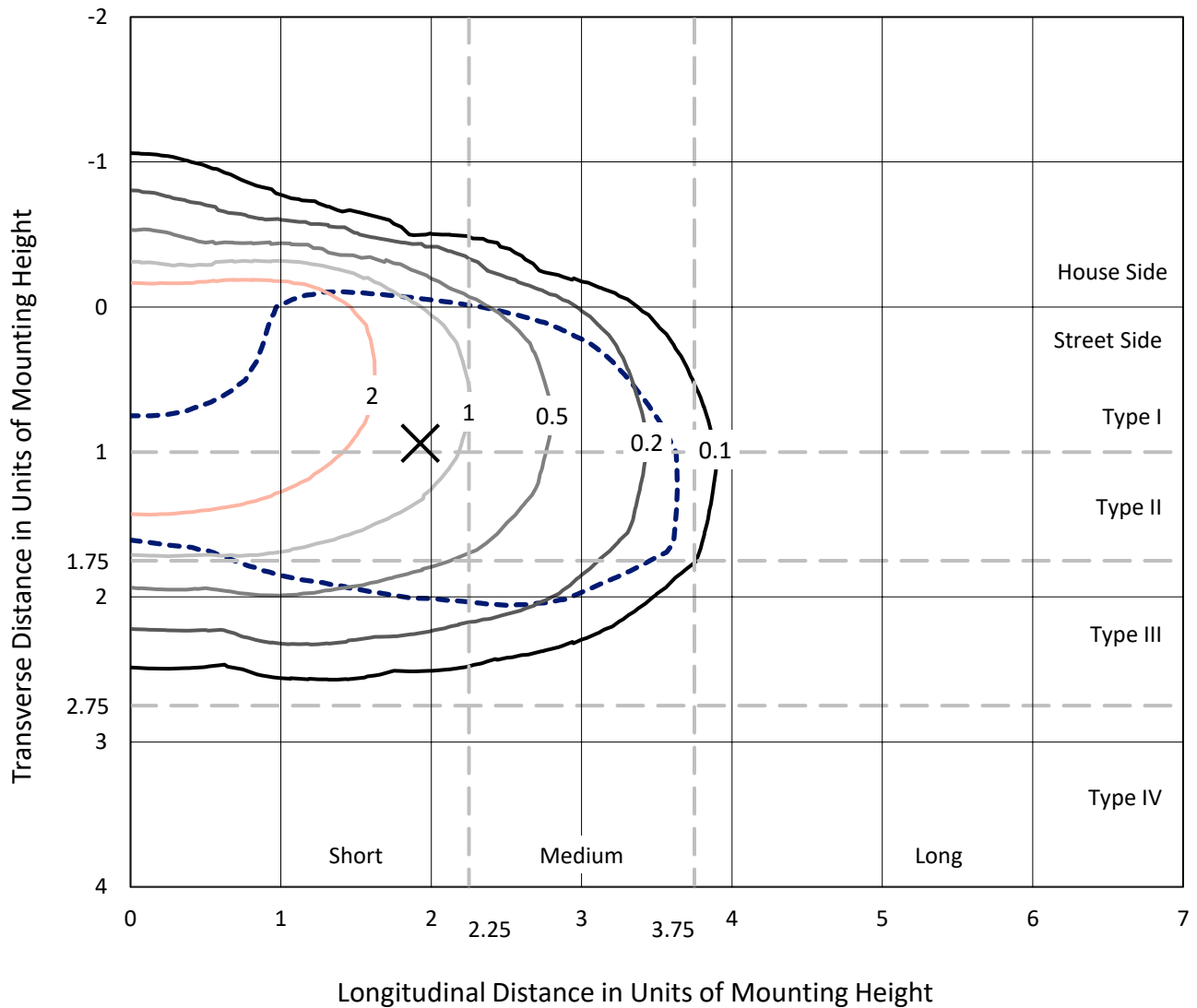
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

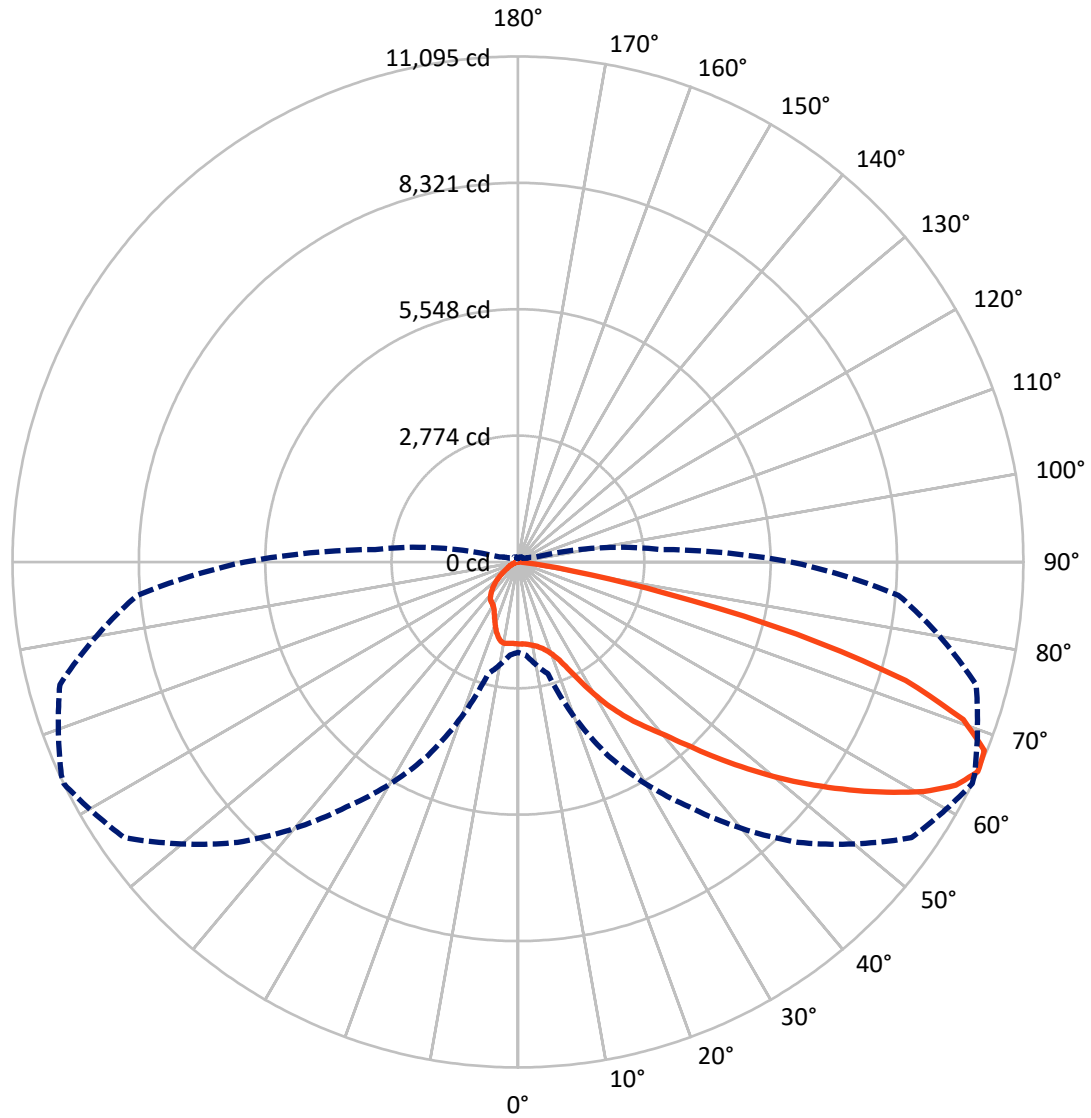
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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
House Side	Lumens	2067.3	0.0	2067.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13391.7	0.0	13391.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	15459.0	0.0	15459.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.9	1.1
10°-20°	449.9	2.9
20°-30°	852.6	5.5
30°-40°	1725.2	11.2
40°-50°	2938.9	19.0
50°-60°	3996.8	25.9
60°-70°	3753.1	24.3
70°-80°	1503.7	9.7
80°-90°	72.8	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°	15459.0	100.0
0°-180°	15459.0	100.0

Coefficient of Utilization



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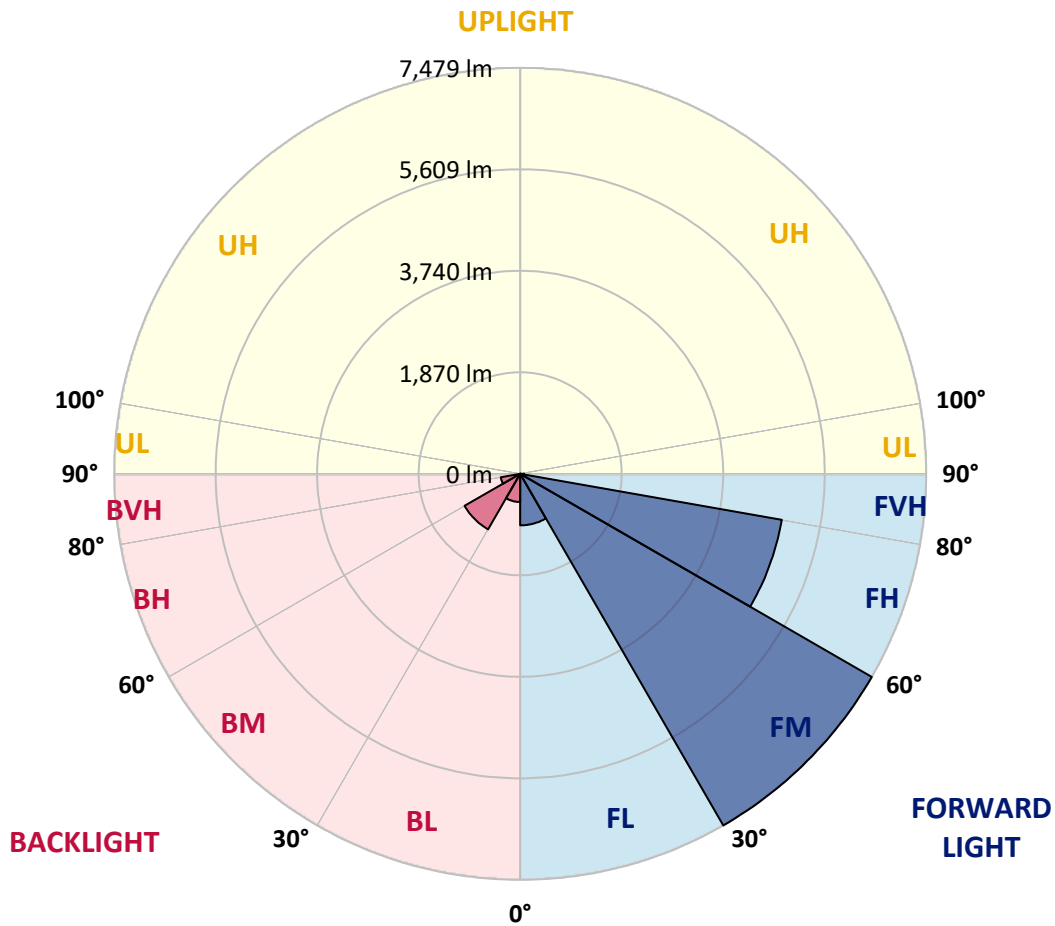
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	949.4	6.1			
FM (30°-60°)	7479.0	48.4			
FH (60°-80°)	4894.0	31.7			G2/5000
FVH (80°-90°)	69.3	0.4			G1/100
BL (0°-30°)	519.0	3.4	B2/1000		
BM (30°-60°)	1181.9	7.6	B2/2500		
BH (60°-80°)	362.9	2.3	B1/500		G1/500
BVH (80°-90°)	3.6	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1798.0	1798.0	1798.0	1798.0	1798.0	1798.0	1798.0	1798.0	1798.0	1798.0
2.5°	1791.8	1804.3	1801.2	1798.0	1797.0	1799.1	1800.1	1799.1	1799.1	1799.1
5°	1757.6	1768.0	1768.0	1775.2	1785.6	1798.0	1807.4	1809.4	1811.5	1814.6
7.5°	1692.3	1700.6	1706.8	1730.7	1756.6	1789.8	1817.7	1832.2	1834.3	1845.7
10°	1647.8	1658.1	1668.5	1693.4	1730.7	1780.4	1828.1	1863.3	1868.5	1895.5
12.5°	1645.7	1656.1	1669.5	1696.5	1740.0	1792.9	1850.9	1901.7	1911.0	1950.4
15°	1667.5	1679.9	1692.3	1725.5	1772.1	1836.4	1898.6	1961.8	1971.1	2027.1
17.5°	1712.0	1728.6	1737.9	1771.1	1820.8	1892.3	1974.2	2046.8	2055.1	2120.3
20°	1800.1	1819.8	1822.9	1849.9	1898.6	1975.3	2072.7	2162.8	2173.2	2247.8
22.5°	1982.5	2010.5	1985.6	1999.1	2042.6	2119.3	2225.0	2339.0	2353.5	2438.5
25°	2303.8	2343.2	2278.9	2256.1	2274.8	2354.6	2487.2	2631.3	2647.8	2716.2
27.5°	2934.9	2884.1	2786.7	2691.4	2635.4	2681.0	2830.2	3008.5	3029.2	3095.5
30°	3628.2	3583.6	3452.0	3240.6	3108.0	3100.7	3238.5	3437.5	3461.4	3524.6
32.5°	4322.6	4280.1	4137.1	3876.9	3646.9	3532.9	3628.2	3849.0	3861.4	3901.8
35°	5005.5	4962.0	4819.0	4552.6	4269.7	4010.6	3992.0	4240.7	4244.8	4287.3
37.5°	5692.6	5656.3	5504.0	5242.8	4964.0	4606.5	4433.4	4611.7	4616.9	4658.3
40°	6182.8	6198.3	6093.7	5891.6	5652.2	5261.5	4928.8	5006.5	4975.4	5044.9
42.5°	6603.5	6634.6	6543.4	6441.9	6303.0	5958.9	5542.3	5528.9	5479.1	5516.4
45°	6967.3	6993.2	6911.3	6887.5	6884.4	6642.9	6212.8	6132.0	6062.6	6055.3
47.5°	7101.0	7150.7	7186.0	7265.7	7421.2	7319.6	6906.1	6780.7	6703.0	6646.0
50°	7151.8	7204.6	7324.8	7557.0	7924.9	7968.4	7596.3	7455.4	7360.1	7256.4
52.5°	7083.4	7177.7	7339.3	7730.0	8263.7	8488.6	8258.6	8135.2	8026.4	7857.5
55°	6680.2	6774.5	7105.1	7728.0	8432.7	8853.4	8884.5	8829.6	8707.3	8441.0
57.5°	5830.4	5970.3	6493.7	7464.7	8429.6	9167.4	9498.0	9537.4	9400.6	9019.2
60°	4653.1	4842.8	5481.2	6881.3	8169.4	9337.4	10035.9	10232.8	10087.7	9589.2
62.5°	3246.8	3466.5	4070.7	5967.2	7574.6	9215.1	10428.6	10792.4	10682.5	10099.1
65°	1980.4	2050.9	2538.0	4695.6	6563.1	8703.1	10549.9	11095.0	11058.7	10411.0
67.5°	1319.3	1378.3	1518.2	3219.9	5094.6	7680.3	10259.7	11042.2	11052.5	10360.2
70°	794.9	845.6	936.8	1872.7	3301.8	6079.1	9361.2	10368.5	10428.6	9681.4
72.5°	327.5	361.7	444.6	848.8	1710.0	3858.3	7454.4	8902.1	9042.0	8140.4
75°	185.5	203.1	261.2	425.9	742.0	1798.0	4515.3	6319.6	6525.8	5610.7
77.5°	123.3	131.6	168.9	275.7	417.6	613.5	1929.7	3292.4	3686.2	3064.4
80°	82.9	90.2	116.1	184.5	271.5	263.2	614.5	1219.8	1500.6	1052.9
82.5°	56.0	57.0	82.9	121.3	172.0	127.5	181.4	379.3	476.7	304.7
85°	32.1	31.1	61.1	70.5	76.7	52.9	54.9	114.0	149.2	128.5
87.5°	4.1	6.2	23.8	18.7	10.4	11.4	11.4	19.7	29.0	31.1
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°
1798.0	0°	1798.0	1798.0	1798.0	1798.0	1798.0	1798.0	1798.0	1798.0	1798.0	1798.0
1800.1	2.5°	1800.1	1799.1	1796.0	1792.9	1785.6	1781.5	1783.5	1781.5	1780.4	1781.5
1813.6	5°	1813.6	1810.5	1802.2	1791.8	1777.3	1759.7	1748.3	1731.7	1716.2	1706.8
1849.9	7.5°	1849.9	1846.7	1835.4	1806.3	1759.7	1686.1	1618.8	1559.7	1515.1	1489.2
1907.9	10°	1907.9	1902.7	1885.1	1820.8	1698.6	1537.9	1404.2	1293.3	1220.8	1186.6
1976.3	12.5°	1976.3	1970.1	1939.0	1807.4	1582.5	1331.7	1147.2	1023.9	956.5	926.5
2055.1	15°	2057.1	2048.8	1987.7	1743.1	1413.6	1103.7	934.8	842.5	799.0	772.1
2155.6	17.5°	2157.7	2143.1	2024.0	1646.7	1230.1	929.6	804.2	734.8	696.4	670.5
2287.2	20°	2288.2	2264.4	2053.0	1531.7	1061.2	819.7	716.1	658.1	629.1	606.3
2473.7	22.5°	2470.6	2436.4	2088.2	1407.3	942.0	744.1	650.8	608.3	584.5	558.6
2733.9	25°	2696.5	2656.1	2131.7	1292.3	860.2	678.8	603.1	567.9	539.9	509.9
3074.8	27.5°	3012.6	2940.1	2183.6	1198.0	789.7	622.8	559.6	520.2	488.1	463.2
3461.4	30°	3365.0	3245.8	2229.2	1141.0	725.4	571.0	502.6	463.2	433.2	415.6
3808.5	32.5°	3698.7	3537.0	2259.2	1116.1	667.4	511.9	440.4	398.0	375.2	370.0
4148.5	35°	4013.7	3800.2	2256.1	1092.3	615.6	452.9	379.3	335.8	318.2	321.3
4514.3	37.5°	4376.4	4081.1	2234.3	1055.0	573.1	399.0	326.4	288.1	272.6	273.6
4958.9	40°	4798.2	4405.5	2220.9	984.5	526.5	349.2	282.9	251.8	240.4	236.3
5427.3	42.5°	5248.0	4719.5	2222.9	904.7	468.4	304.7	252.9	227.0	216.6	213.5
5948.6	45°	5699.8	5019.0	2226.0	821.8	407.3	270.5	231.1	209.3	203.1	199.0
6477.1	47.5°	6124.7	5273.9	2168.0	732.7	347.2	244.6	213.5	199.0	193.8	188.6
7007.7	50°	6520.6	5443.9	2028.1	629.1	299.5	223.8	200.0	189.6	184.5	179.3
7488.6	52.5°	6828.4	5470.8	1797.0	522.3	266.3	208.3	191.7	182.4	176.2	171.0
7877.2	55°	6965.2	5301.9	1468.5	422.8	240.4	194.8	183.4	174.1	166.9	161.7
8182.9	57.5°	6930.0	4946.4	1145.2	339.9	215.6	181.4	173.1	166.9	158.6	150.3
8430.6	60°	6756.9	4470.8	863.3	282.9	192.8	166.9	161.7	156.5	145.1	132.7
8525.9	62.5°	6457.4	3872.8	615.6	234.2	167.9	150.3	148.2	144.1	127.5	104.7
8385.0	65°	5999.3	3146.3	414.5	194.8	144.1	131.6	132.7	125.4	103.6	77.7
7868.9	67.5°	5329.9	2300.7	265.3	159.6	120.2	109.9	110.9	106.7	88.1	66.3
6890.6	70°	4477.0	1523.4	173.1	121.3	96.4	85.0	91.2	92.2	74.6	53.9
5288.4	72.5°	3282.1	899.5	121.3	90.2	70.5	59.1	74.6	76.7	60.1	40.4
3181.6	75°	1870.6	427.0	91.2	65.3	43.5	41.5	58.0	58.0	41.5	26.9
1377.3	77.5°	785.5	178.2	64.3	42.5	24.9	23.8	39.4	36.3	20.7	12.4
335.8	80°	227.0	79.8	34.2	20.7	10.4	9.3	15.5	11.4	5.2	2.1
127.5	82.5°	89.1	35.2	13.5	8.3	4.1	4.1	2.1	0.0	0.0	0.0
72.5	85°	52.9	14.5	6.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0
15.5	87.5°	13.5	3.1	2.1	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>
1798.0
1785.6
1708.9
1490.3
1183.5
923.4
773.1
668.4
602.1
554.4
506.8
458.1
412.5
373.1
321.3
277.7
235.2
212.4
199.0
188.6
179.3
170.0
160.6
149.2
130.6
102.6
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63.2
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