

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: P940286

Luminaire Tested: **GALN-SB3B-740-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940286
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-SB3B-740-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 450mA 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: 14019 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

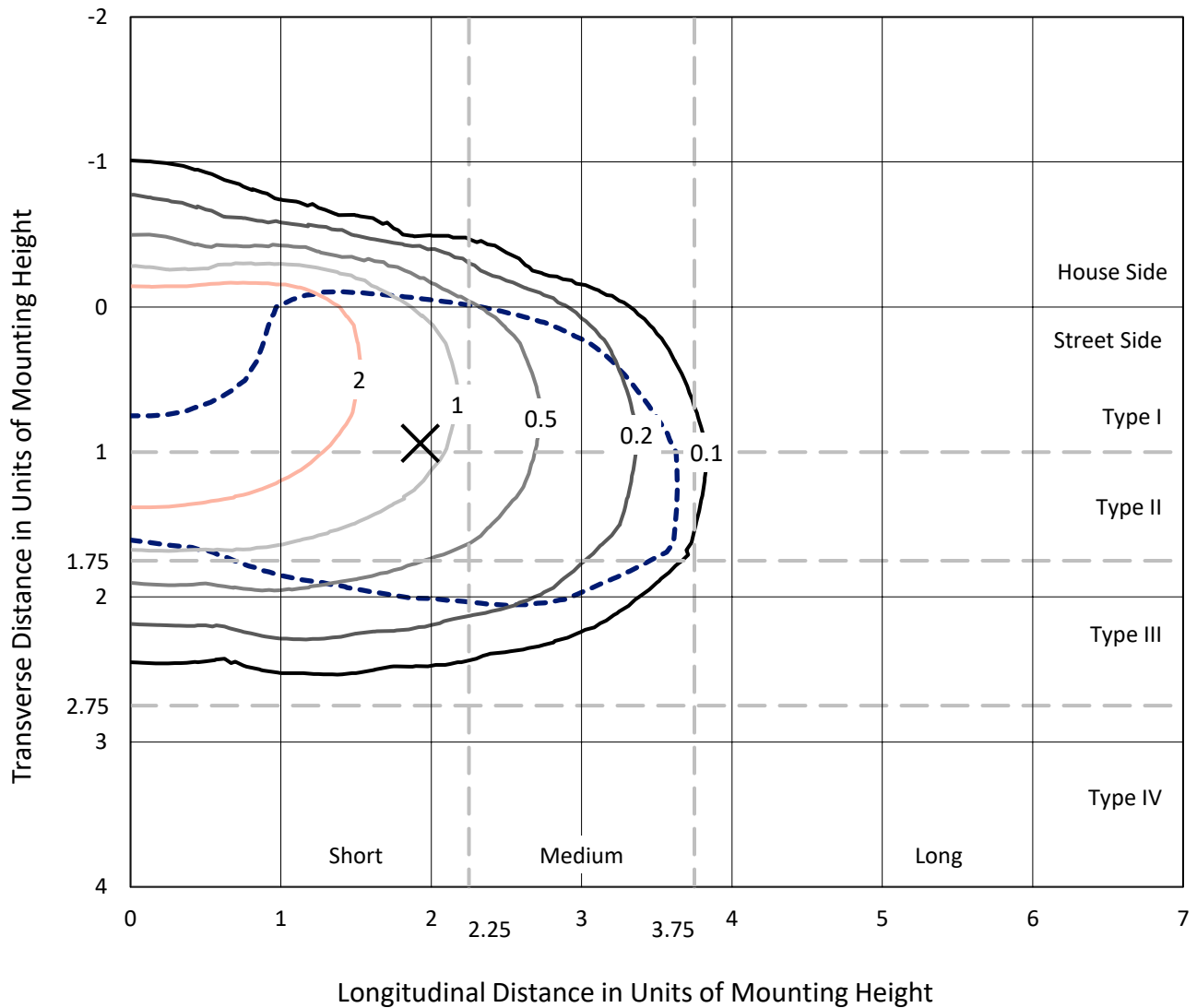
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

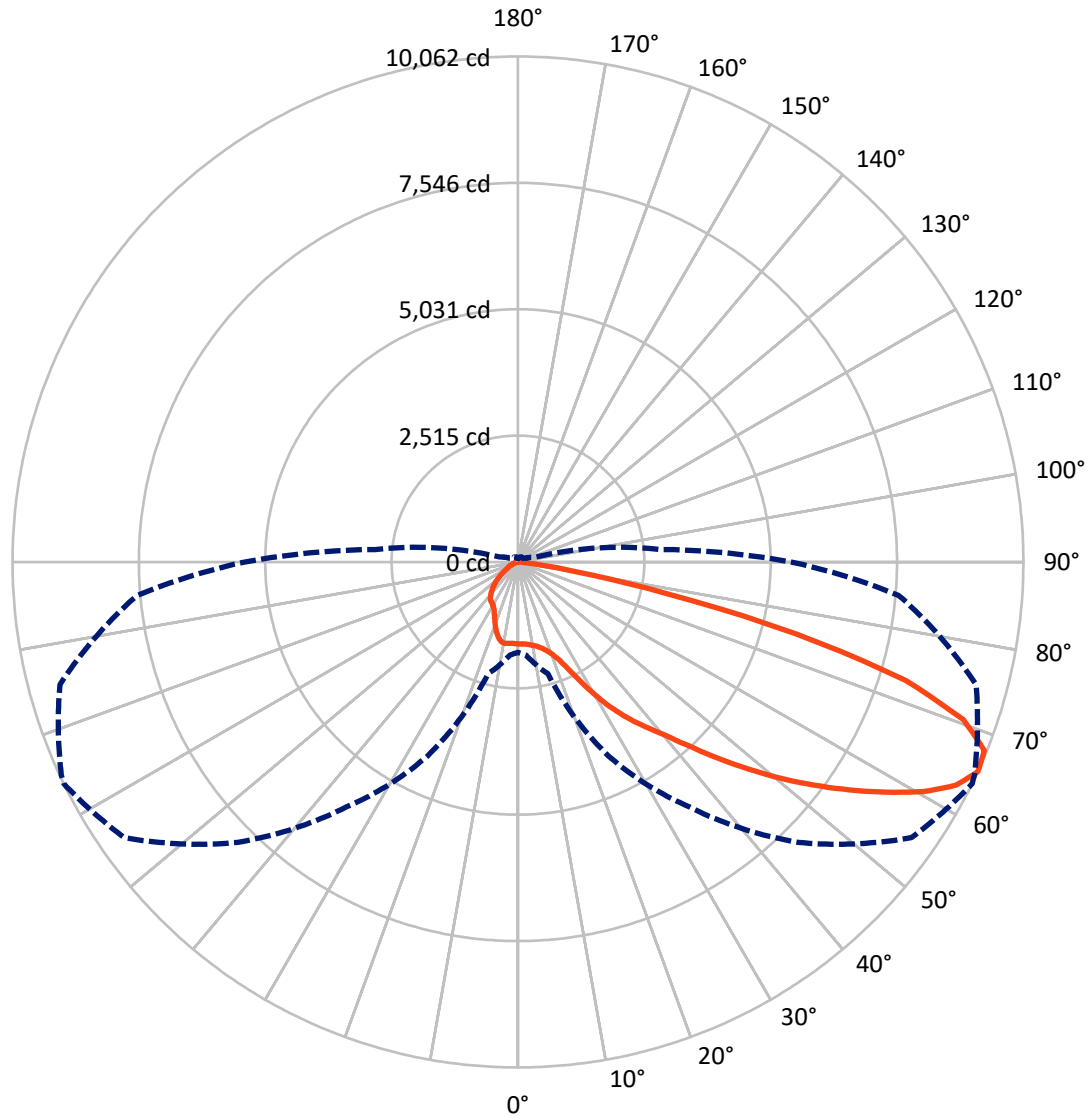
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	1874.8	0.0	1874.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12144.2	0.0	12144.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	14019.0	0.0	14019.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	1.1
10°-20°	408.0	2.9
20°-30°	773.2	5.5
30°-40°	1564.5	11.2
40°-50°	2665.2	19.0
50°-60°	3624.5	25.9
60°-70°	3403.5	24.3
70°-80°	1363.6	9.7
80°-90°	66.1	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°	14019.0	100.0
0°-180°	14019.0	100.0

Coefficient of Utilization



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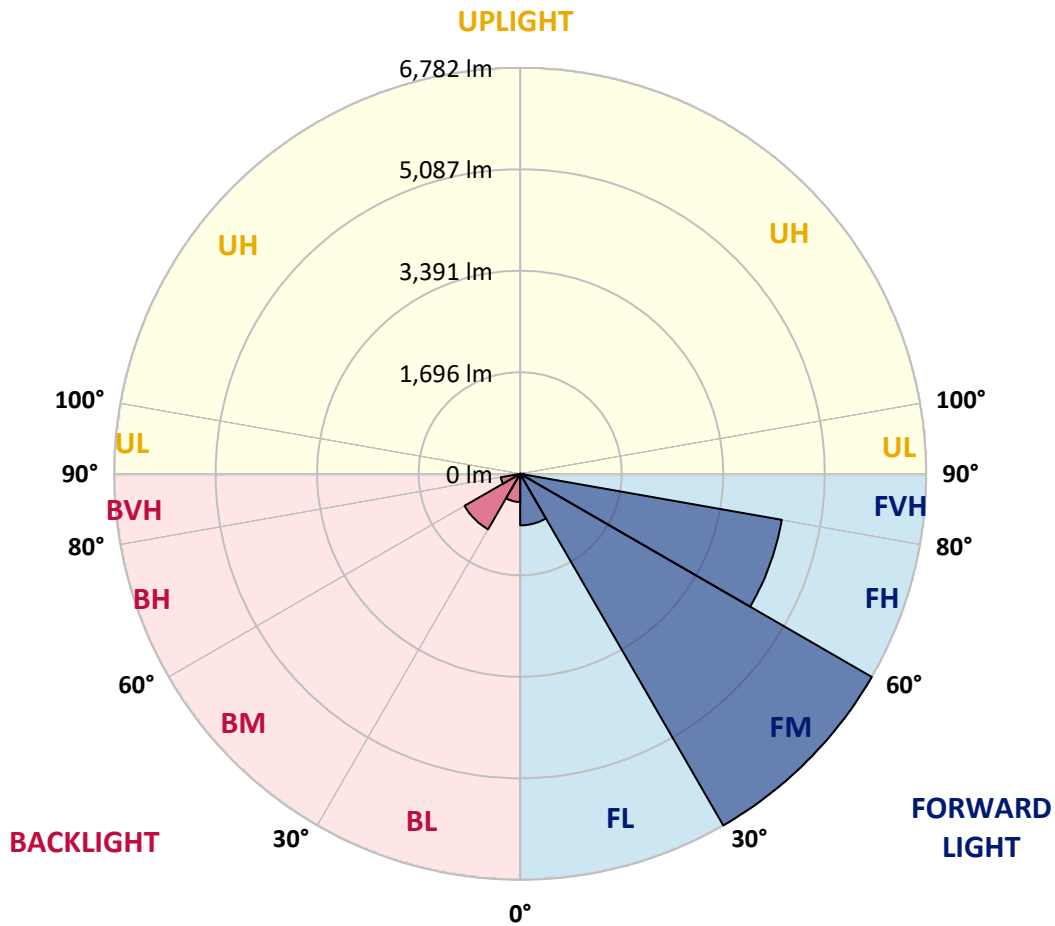
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	860.9	6.1			
FM (30°-60°)	6782.4	48.4			
FH (60°-80°)	4438.1	31.7			G2/5000
FVH (80°-90°)	62.8	0.4			G1/100
BL (0°-30°)	470.7	3.4	B1/500		
BM (30°-60°)	1071.8	7.6	B2/2500		
BH (60°-80°)	329.1	2.3	B1/500		G1/500
BVH (80°-90°)	3.2	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°	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6
2.5°	1624.9	1636.2	1633.4	1630.6	1629.6	1631.5	1632.4	1631.5	1631.5	1631.5
5°	1593.9	1603.3	1603.3	1609.9	1619.3	1630.6	1639.0	1640.9	1642.8	1645.6
7.5°	1534.7	1542.2	1547.9	1569.5	1593.0	1623.0	1648.4	1661.6	1663.4	1673.8
10°	1494.3	1503.7	1513.1	1535.6	1569.5	1614.6	1657.8	1689.8	1694.5	1718.9
12.5°	1492.4	1501.8	1514.0	1538.5	1577.9	1625.9	1678.5	1724.5	1733.0	1768.7
15°	1512.1	1523.4	1534.7	1564.8	1607.1	1665.3	1721.7	1779.0	1787.5	1838.3
17.5°	1552.6	1567.6	1576.0	1606.1	1651.2	1716.1	1790.3	1856.1	1863.6	1922.8
20°	1632.4	1650.3	1653.1	1677.5	1721.7	1791.3	1879.6	1961.4	1970.8	2038.4
22.5°	1797.8	1823.2	1800.7	1812.9	1852.3	1921.9	2017.8	2121.1	2134.3	2211.4
25°	2089.2	2124.9	2066.6	2045.9	2062.9	2135.2	2255.5	2386.2	2401.2	2463.2
27.5°	2661.5	2615.5	2527.1	2440.7	2389.9	2431.3	2566.6	2728.2	2747.0	2807.2
30°	3290.2	3249.8	3130.5	2938.8	2818.5	2811.9	2936.9	3117.3	3138.9	3196.3
32.5°	3919.9	3881.4	3751.7	3515.8	3307.2	3203.8	3290.2	3490.4	3501.7	3538.4
35°	4539.2	4499.8	4370.1	4128.5	3872.0	3637.0	3620.1	3845.7	3849.4	3888.0
37.5°	5162.3	5129.4	4991.3	4754.5	4501.6	4177.4	4020.5	4182.1	4186.8	4224.4
40°	5606.9	5621.0	5526.0	5342.8	5125.7	4771.4	4469.7	4540.2	4512.0	4575.0
42.5°	5988.4	6016.6	5933.9	5841.8	5715.9	5403.9	5026.1	5013.8	4968.7	5002.6
45°	6318.3	6341.8	6267.5	6245.9	6243.1	6024.1	5634.1	5560.8	5497.8	5491.3
47.5°	6439.5	6484.6	6516.6	6588.9	6729.9	6637.8	6262.8	6149.1	6078.6	6026.9
50°	6485.6	6533.5	6642.5	6853.0	7186.7	7226.1	6888.7	6760.9	6674.5	6580.5
52.5°	6423.5	6509.1	6655.7	7010.0	7494.0	7697.9	7489.3	7377.4	7278.8	7125.6
55°	6058.0	6143.5	6443.3	7008.1	7647.2	8028.7	8056.9	8007.1	7896.2	7654.7
57.5°	5287.3	5414.2	5888.8	6769.4	7644.3	8313.5	8613.3	8649.0	8524.9	8179.1
60°	4219.7	4391.7	4970.6	6240.3	7408.5	8467.6	9101.0	9279.6	9148.0	8696.0
62.5°	2944.4	3143.6	3691.5	5411.4	6869.0	8356.7	9457.2	9787.1	9687.5	9158.4
65°	1796.0	1859.9	2301.6	4258.2	5951.8	7892.5	9567.2	10061.5	10028.6	9441.2
67.5°	1196.4	1249.9	1376.8	2920.0	4620.1	6964.9	9304.0	10013.6	10023.0	9395.2
70°	720.8	766.9	849.6	1698.2	2994.2	5512.9	8489.2	9402.7	9457.2	8779.6
72.5°	297.0	328.0	403.2	769.7	1550.7	3498.9	6760.0	8072.9	8199.8	7382.1
75°	168.2	184.2	236.8	386.3	672.9	1630.6	4094.7	5730.9	5917.9	5088.1
77.5°	111.8	119.4	153.2	250.0	378.7	556.4	1749.9	2985.7	3342.9	2779.0
80°	75.2	81.8	105.3	167.3	246.2	238.7	557.3	1106.1	1360.8	954.8
82.5°	50.7	51.7	75.2	110.0	156.0	115.6	164.5	344.0	432.3	276.3
85°	29.1	28.2	55.4	63.9	69.5	47.9	49.8	103.4	135.3	116.5
87.5°	3.8	5.6	21.6	16.9	9.4	10.3	10.3	17.9	26.3	28.2
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°
1630.6	0°	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6	1630.6
1632.4	2.5°	1632.4	1631.5	1628.7	1625.9	1619.3	1615.5	1617.4	1615.5	1614.6	1615.5
1644.7	5°	1644.7	1641.8	1634.3	1624.9	1611.8	1595.8	1585.4	1570.4	1556.3	1547.9
1677.5	7.5°	1677.5	1674.7	1664.4	1638.1	1595.8	1529.1	1468.0	1414.4	1374.0	1350.5
1730.2	10°	1730.2	1725.5	1709.5	1651.2	1540.3	1394.7	1273.4	1172.9	1107.1	1076.1
1792.2	12.5°	1792.2	1786.6	1758.4	1639.0	1435.1	1207.6	1040.4	928.5	867.4	840.2
1863.6	15°	1865.5	1858.0	1802.5	1580.7	1281.9	1000.9	847.7	764.1	724.6	700.2
1954.8	17.5°	1956.7	1943.5	1835.4	1493.3	1115.5	843.0	729.3	666.3	631.5	608.1
2074.1	20°	2075.1	2053.5	1861.7	1389.0	962.4	743.4	649.4	596.8	570.5	549.8
2243.3	22.5°	2240.5	2209.5	1893.7	1276.3	854.3	674.8	590.2	551.7	530.0	506.6
2479.2	25°	2445.4	2408.7	1933.2	1171.9	780.0	615.6	547.0	515.0	489.6	462.4
2788.4	27.5°	2732.0	2666.2	1980.2	1086.4	716.1	564.8	507.5	471.8	442.6	420.1
3138.9	30°	3051.5	2943.5	2021.5	1034.7	657.9	517.8	455.8	420.1	392.8	376.9
3453.8	32.5°	3354.2	3207.5	2048.8	1012.2	605.2	464.3	399.4	360.9	340.2	335.5
3762.0	35°	3639.9	3446.3	2045.9	990.6	558.2	410.7	344.0	304.5	288.5	291.3
4093.8	37.5°	3968.8	3700.9	2026.2	956.7	519.7	361.8	296.0	261.3	247.2	248.1
4496.9	40°	4351.3	3995.1	2014.0	892.8	477.4	316.7	256.6	228.4	218.0	214.3
4921.7	42.5°	4759.2	4279.9	2015.9	820.4	424.8	276.3	229.3	205.8	196.4	193.6
5394.5	45°	5168.9	4551.5	2018.7	745.3	369.3	245.3	209.6	189.8	184.2	180.4
5873.8	47.5°	5554.2	4782.6	1966.1	664.4	314.8	221.8	193.6	180.4	175.7	171.0
6354.9	50°	5913.2	4936.8	1839.2	570.5	271.6	203.0	181.4	172.0	167.3	162.6
6791.0	52.5°	6192.4	4961.2	1629.6	473.7	241.5	188.9	173.9	165.4	159.8	155.1
7143.4	55°	6316.4	4808.0	1331.7	383.4	218.0	176.7	166.3	157.9	151.3	146.6
7420.7	57.5°	6284.5	4485.7	1038.5	308.3	195.5	164.5	156.9	151.3	143.8	136.3
7645.3	60°	6127.5	4054.3	782.9	256.6	174.8	151.3	146.6	141.9	131.6	120.3
7731.7	62.5°	5855.9	3512.0	558.2	212.4	152.2	136.3	134.4	130.6	115.6	94.9
7603.9	65°	5440.5	2853.2	375.9	176.7	130.6	119.4	120.3	113.7	94.0	70.5
7135.9	67.5°	4833.4	2086.4	240.6	144.7	109.0	99.6	100.6	96.8	79.9	60.1
6248.7	70°	4059.9	1381.5	156.9	110.0	87.4	77.1	82.7	83.6	67.7	48.9
4795.8	72.5°	2976.4	815.7	110.0	81.8	63.9	53.6	67.7	69.5	54.5	36.7
2885.2	75°	1696.3	387.2	82.7	59.2	39.5	37.6	52.6	52.6	37.6	24.4
1249.0	77.5°	712.4	161.6	58.3	38.5	22.6	21.6	35.7	32.9	18.8	11.3
304.5	80°	205.8	72.4	31.0	18.8	9.4	8.5	14.1	10.3	4.7	1.9
115.6	82.5°	80.8	32.0	12.2	7.5	3.8	3.8	1.9	0.0	0.0	0.0
65.8	85°	47.9	13.2	5.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0
14.1	87.5°	12.2	2.8	1.9	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>
1630.6
1619.3
1549.7
1351.4
1073.3
837.4
701.1
606.2
546.0
502.8
459.6
415.4
374.0
338.3
291.3
251.9
213.3
192.7
180.4
171.0
162.6
154.1
145.7
135.3
118.4
93.0
68.6
57.3
47.0
34.8
22.6
11.3
1.9
0.0
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