

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: P940496

Luminaire Tested: **GALN-SB3C-830-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940496
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-SB3C-830-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 615mA 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: 15835 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

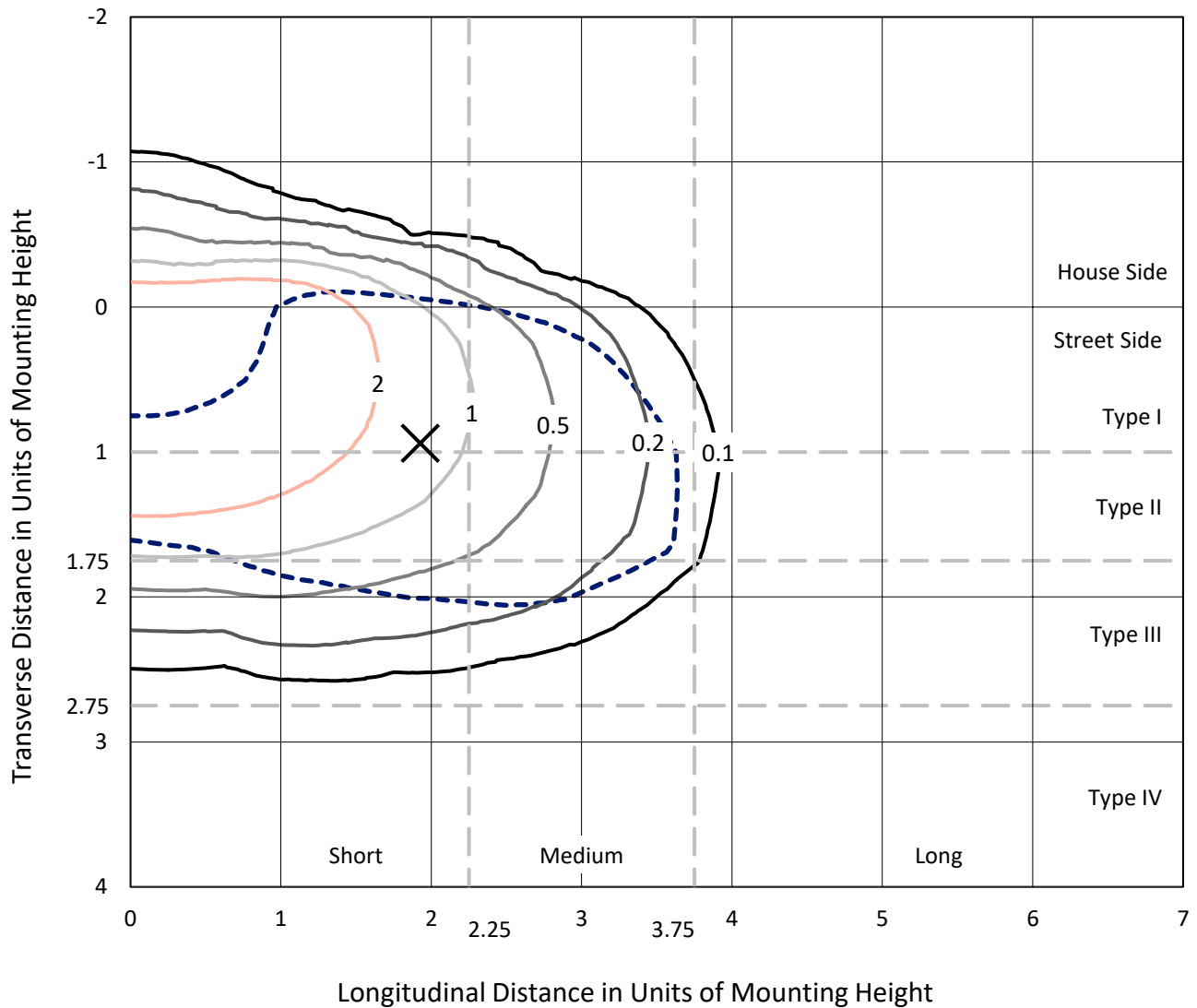
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

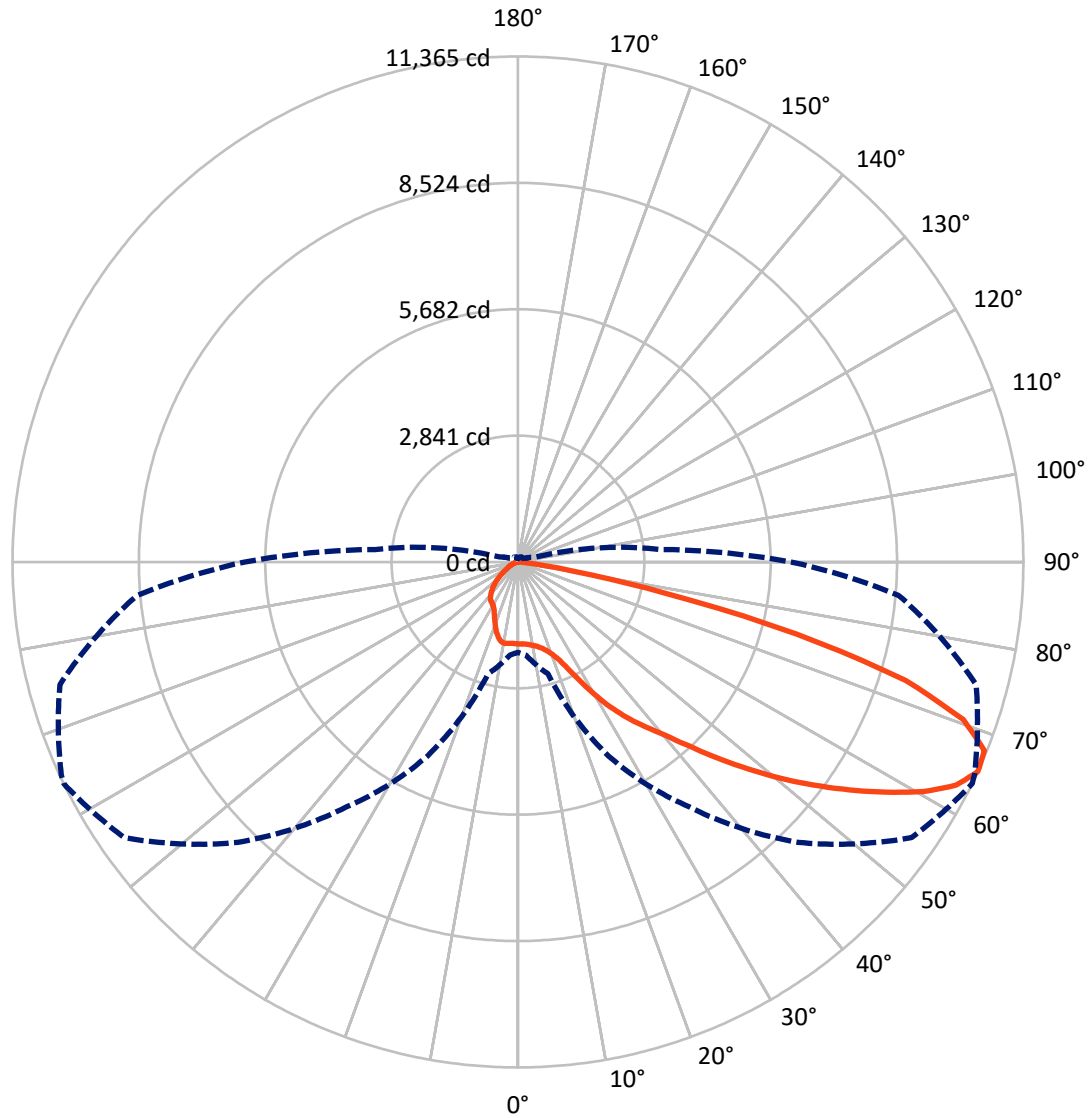
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type 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	2117.6	0.0	2117.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13717.4	0.0	13717.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	15835.0	0.0	15835.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.9	1.1
10°-20°	460.9	2.9
20°-30°	873.3	5.5
30°-40°	1767.2	11.2
40°-50°	3010.4	19.0
50°-60°	4094.0	25.9
60°-70°	3844.4	24.3
70°-80°	1540.2	9.7
80°-90°	74.6	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°	15835.0	100.0
0°-180°	15835.0	100.0

Coefficient of Utilization



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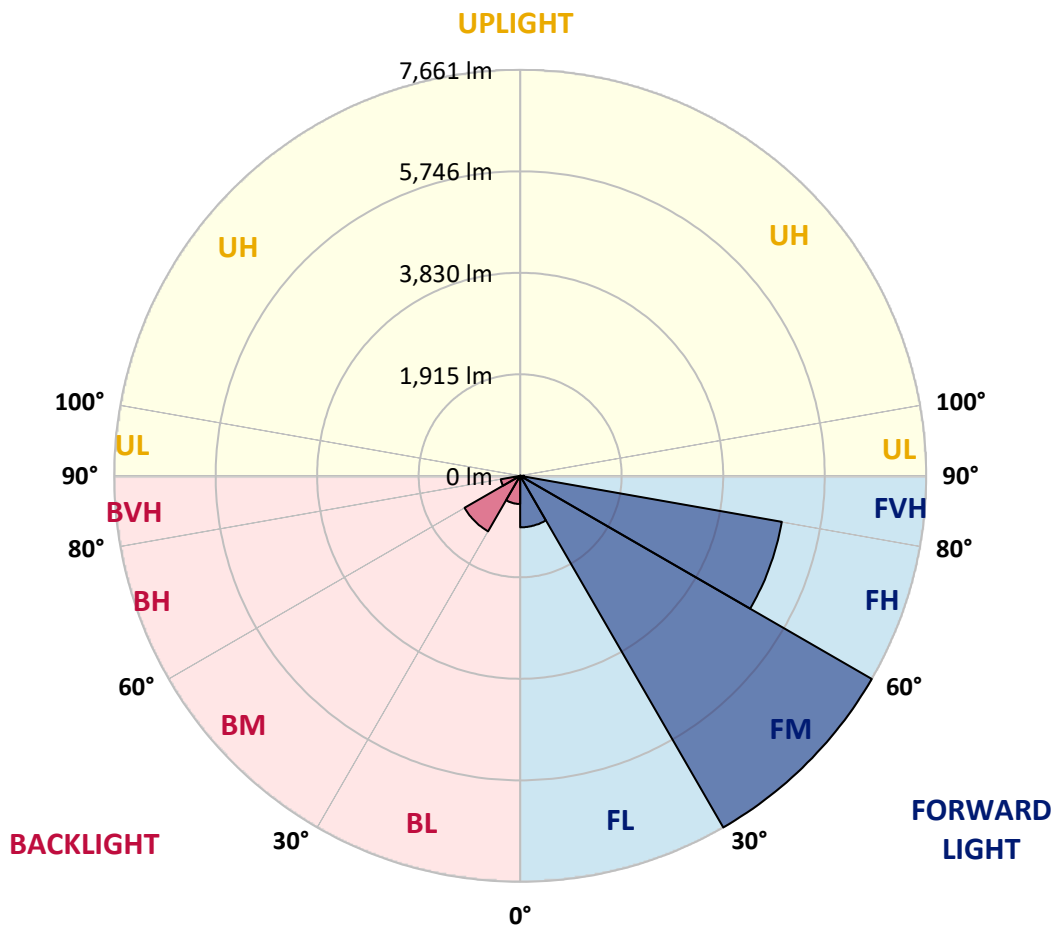
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	972.5	6.1			
FM (30°-60°)	7661.0	48.4			
FH (60°-80°)	5013.0	31.7			G3/7500
FVH (80°-90°)	71.0	0.4			G1/100
BL (0°-30°)	531.7	3.4	B2/1000		
BM (30°-60°)	1210.6	7.6	B2/2500		
BH (60°-80°)	371.7	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8
2.5°	1835.4	1848.1	1845.0	1841.8	1840.7	1842.8	1843.9	1842.8	1842.8	1842.8
5°	1800.4	1811.0	1811.0	1818.4	1829.0	1841.8	1851.3	1853.5	1855.6	1858.8
7.5°	1733.5	1742.0	1748.4	1772.8	1799.3	1833.3	1861.9	1876.8	1878.9	1890.6
10°	1687.9	1698.5	1709.1	1734.6	1772.8	1823.7	1872.6	1908.7	1914.0	1941.6
12.5°	1685.7	1696.3	1710.1	1737.7	1782.3	1836.5	1895.9	1947.9	1957.5	1997.8
15°	1708.0	1720.8	1733.5	1767.5	1815.2	1881.1	1944.7	2009.5	2019.1	2076.4
17.5°	1753.7	1770.7	1780.2	1814.2	1865.1	1938.4	2022.2	2096.5	2105.0	2171.9
20°	1843.9	1864.1	1867.3	1894.9	1944.7	2023.3	2123.1	2215.4	2226.1	2302.5
22.5°	2030.7	2059.4	2033.9	2047.7	2092.3	2170.9	2279.1	2395.9	2410.8	2497.8
25°	2359.8	2400.1	2334.3	2311.0	2330.1	2411.8	2547.7	2695.3	2712.2	2782.3
27.5°	3006.3	2954.3	2854.5	2756.8	2699.5	2746.2	2899.1	3081.7	3102.9	3170.8
30°	3716.5	3670.8	3536.0	3319.4	3183.6	3176.1	3317.3	3521.1	3545.5	3610.3
32.5°	4427.7	4384.2	4237.7	3971.2	3735.6	3618.8	3716.5	3942.6	3955.3	3996.7
35°	5127.2	5082.7	4936.2	4663.4	4373.6	4108.2	4089.1	4343.8	4348.1	4391.6
37.5°	5831.0	5793.9	5637.8	5370.3	5084.8	4718.6	4541.3	4723.9	4729.2	4771.6
40°	6333.2	6349.1	6241.9	6034.9	5789.6	5389.4	5048.7	5128.3	5096.5	5167.6
42.5°	6764.1	6796.0	6702.6	6598.5	6456.3	6103.9	5677.1	5663.3	5612.4	5650.6
45°	7136.7	7163.3	7079.4	7055.0	7051.8	6804.5	6363.9	6281.1	6210.0	6202.6
47.5°	7273.7	7324.6	7360.7	7442.5	7601.7	7497.7	7074.1	6945.7	6866.1	6807.7
50°	7325.7	7379.8	7503.0	7740.8	8117.6	8162.2	7781.1	7636.7	7539.1	7432.9
52.5°	7255.6	7352.2	7517.8	7918.0	8464.7	8695.1	8459.4	8333.1	8221.6	8048.6
55°	6842.7	6939.3	7277.9	7915.9	8637.8	9068.8	9100.6	9044.3	8919.1	8646.3
57.5°	5972.2	6115.5	6651.6	7646.3	8634.6	9390.4	9729.0	9769.4	9629.2	9238.6
60°	4766.3	4960.6	5614.5	7048.6	8368.1	9564.5	10280.0	10481.7	10333.0	9822.4
62.5°	3325.8	3550.9	4169.7	6112.4	7758.8	9439.2	10682.3	11054.9	10942.4	10344.7
65°	2028.6	2100.8	2599.7	4809.8	6722.7	8914.8	10806.5	11364.9	11327.7	10664.2
67.5°	1351.3	1411.9	1555.2	3298.2	5218.5	7867.1	10509.3	11310.7	11321.3	10612.2
70°	814.2	866.2	959.6	1918.2	3382.1	6227.0	9588.9	10620.7	10682.3	9916.9
72.5°	335.4	370.5	455.4	869.4	1751.5	3952.1	7635.7	9118.6	9262.0	8338.4
75°	190.0	208.1	267.5	436.3	760.1	1841.8	4625.1	6473.3	6684.5	5747.2
77.5°	126.3	134.8	173.0	282.4	427.8	628.4	1976.6	3372.5	3775.9	3139.0
80°	84.9	92.4	118.9	189.0	278.1	269.6	629.5	1249.4	1537.1	1078.5
82.5°	57.3	58.4	84.9	124.2	176.2	130.6	185.8	388.5	488.3	312.1
85°	32.9	31.8	62.6	72.2	78.6	54.1	56.3	116.8	152.9	131.6
87.5°	4.2	6.4	24.4	19.1	10.6	11.7	11.7	20.2	29.7	31.8
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°
1841.8	0°	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8	1841.8
1843.9	2.5°	1843.9	1842.8	1839.7	1836.5	1829.0	1824.8	1826.9	1824.8	1823.7	1824.8
1857.7	5°	1857.7	1854.5	1846.0	1835.4	1820.5	1802.5	1790.8	1773.8	1757.9	1748.4
1894.9	7.5°	1894.9	1891.7	1880.0	1850.3	1802.5	1727.1	1658.1	1597.6	1552.0	1525.4
1954.3	10°	1954.3	1949.0	1930.9	1865.1	1739.9	1575.3	1438.4	1324.8	1250.5	1215.5
2024.4	12.5°	2024.4	2018.0	1986.1	1851.3	1621.0	1364.1	1175.1	1048.8	979.8	949.0
2105.0	15°	2107.2	2098.7	2036.0	1785.5	1447.9	1130.5	957.5	863.0	818.4	790.8
2208.0	17.5°	2210.1	2195.3	2073.2	1686.8	1260.1	952.2	823.8	752.6	713.4	686.8
2342.8	20°	2343.9	2319.5	2102.9	1569.0	1087.0	839.7	733.5	674.1	644.4	621.0
2533.9	22.5°	2530.7	2495.7	2139.0	1441.6	964.9	762.2	666.6	623.1	598.7	572.2
2800.3	25°	2762.1	2720.7	2183.6	1323.7	881.1	695.3	617.8	581.7	553.1	522.3
3149.6	27.5°	3085.9	3011.6	2236.7	1227.1	808.9	638.0	573.2	532.9	500.0	474.5
3545.5	30°	3446.8	3324.7	2283.4	1168.8	743.1	584.9	514.8	474.5	443.7	425.7
3901.2	32.5°	3788.6	3623.0	2314.2	1143.3	683.6	524.4	451.2	407.6	384.3	379.0
4249.4	35°	4111.4	3892.7	2311.0	1118.9	630.6	463.9	388.5	343.9	325.9	329.1
4624.1	37.5°	4482.9	4180.4	2288.7	1080.6	587.0	408.7	334.4	295.1	279.2	280.2
5079.5	40°	4914.9	4512.6	2274.9	1008.5	539.3	357.7	289.8	258.0	246.3	242.0
5559.3	42.5°	5375.6	4834.3	2277.0	926.7	479.8	312.1	259.0	232.5	221.9	218.7
6093.2	45°	5838.5	5141.0	2280.2	841.8	417.2	277.1	236.7	214.4	208.1	203.8
6634.6	47.5°	6273.7	5402.2	2220.7	750.5	355.6	250.5	218.7	203.8	198.5	193.2
7178.1	50°	6679.2	5576.3	2077.4	644.4	306.8	229.3	204.9	194.3	189.0	183.6
7670.7	52.5°	6994.5	5603.9	1840.7	535.0	272.8	213.4	196.4	186.8	180.5	175.2
8068.8	55°	7134.6	5430.8	1504.2	433.1	246.3	199.6	187.9	178.3	170.9	165.6
8381.9	57.5°	7098.5	5066.7	1173.0	348.2	220.8	185.8	177.3	170.9	162.4	153.9
8635.6	60°	6921.3	4579.5	884.3	289.8	197.4	170.9	165.6	160.3	148.6	135.9
8733.3	62.5°	6614.5	3967.0	630.6	239.9	172.0	153.9	151.8	147.6	130.6	107.2
8588.9	65°	6145.3	3222.8	424.6	199.6	147.6	134.8	135.9	128.4	106.2	79.6
8060.3	67.5°	5459.5	2356.6	271.8	163.5	123.1	112.5	113.6	109.3	90.2	67.9
7058.2	70°	4585.9	1560.5	177.3	124.2	98.7	87.0	93.4	94.5	76.4	55.2
5417.0	72.5°	3361.9	921.4	124.2	92.4	72.2	60.5	76.4	78.6	61.6	41.4
3258.9	75°	1916.1	437.4	93.4	66.9	44.6	42.5	59.4	59.4	42.5	27.6
1410.8	77.5°	804.6	182.6	65.8	43.5	25.5	24.4	40.3	37.2	21.2	12.7
343.9	80°	232.5	81.7	35.0	21.2	10.6	9.6	15.9	11.7	5.3	2.1
130.6	82.5°	91.3	36.1	13.8	8.5	4.2	4.2	2.1	0.0	0.0	0.0
74.3	85°	54.1	14.9	6.4	3.2	1.1	0.0	0.0	0.0	0.0	0.0
15.9	87.5°	13.8	3.2	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>
1841.8
1829.0
1750.5
1526.5
1212.3
945.8
791.9
684.7
616.8
567.9
519.1
469.2
422.5
382.2
329.1
284.5
241.0
217.6
203.8
193.2
183.6
174.1
164.5
152.9
133.8
105.1
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