

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: P940566

Luminaire Tested: **GALN-SB3C-940-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940566
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-940-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 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: 12770 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

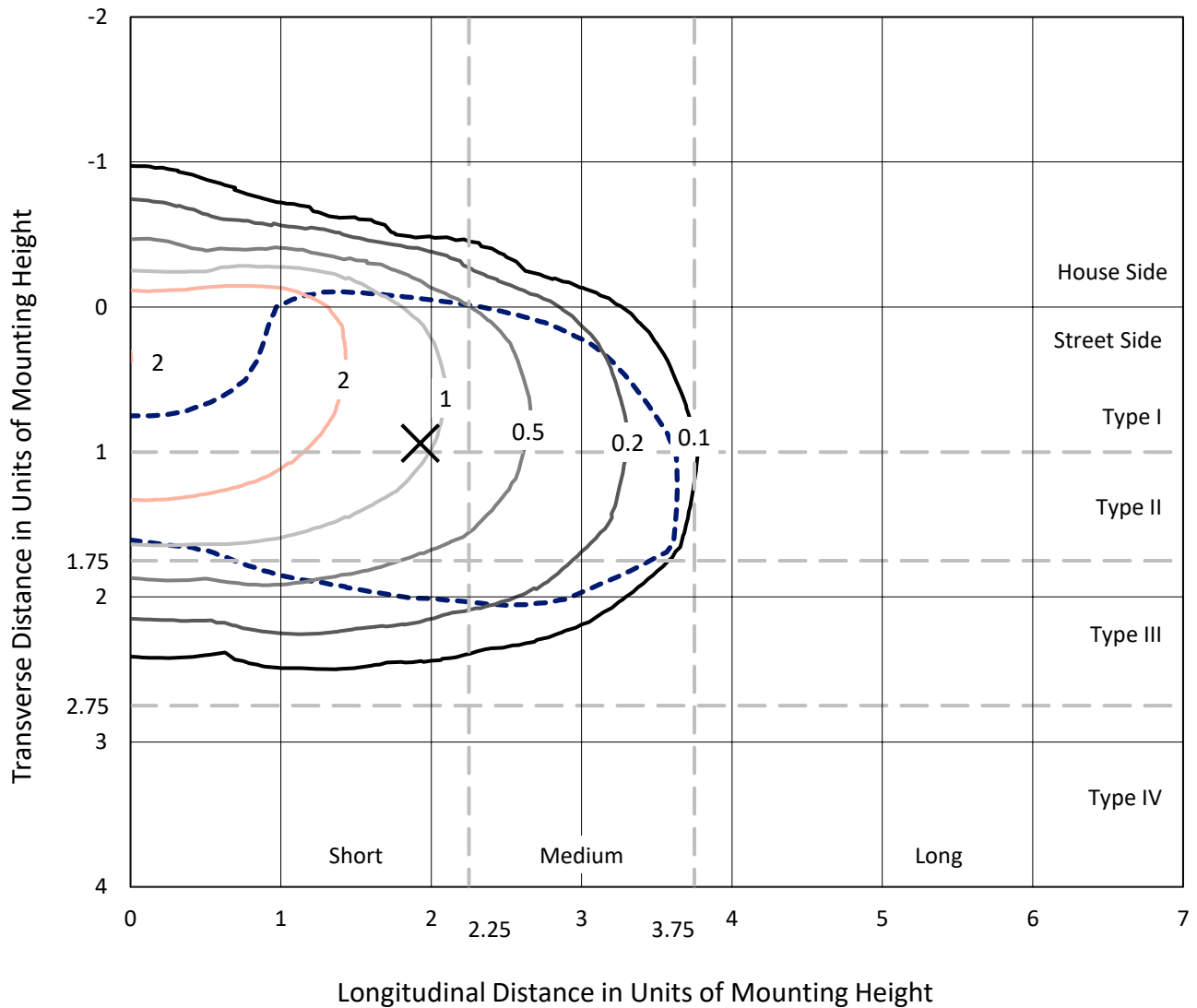
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

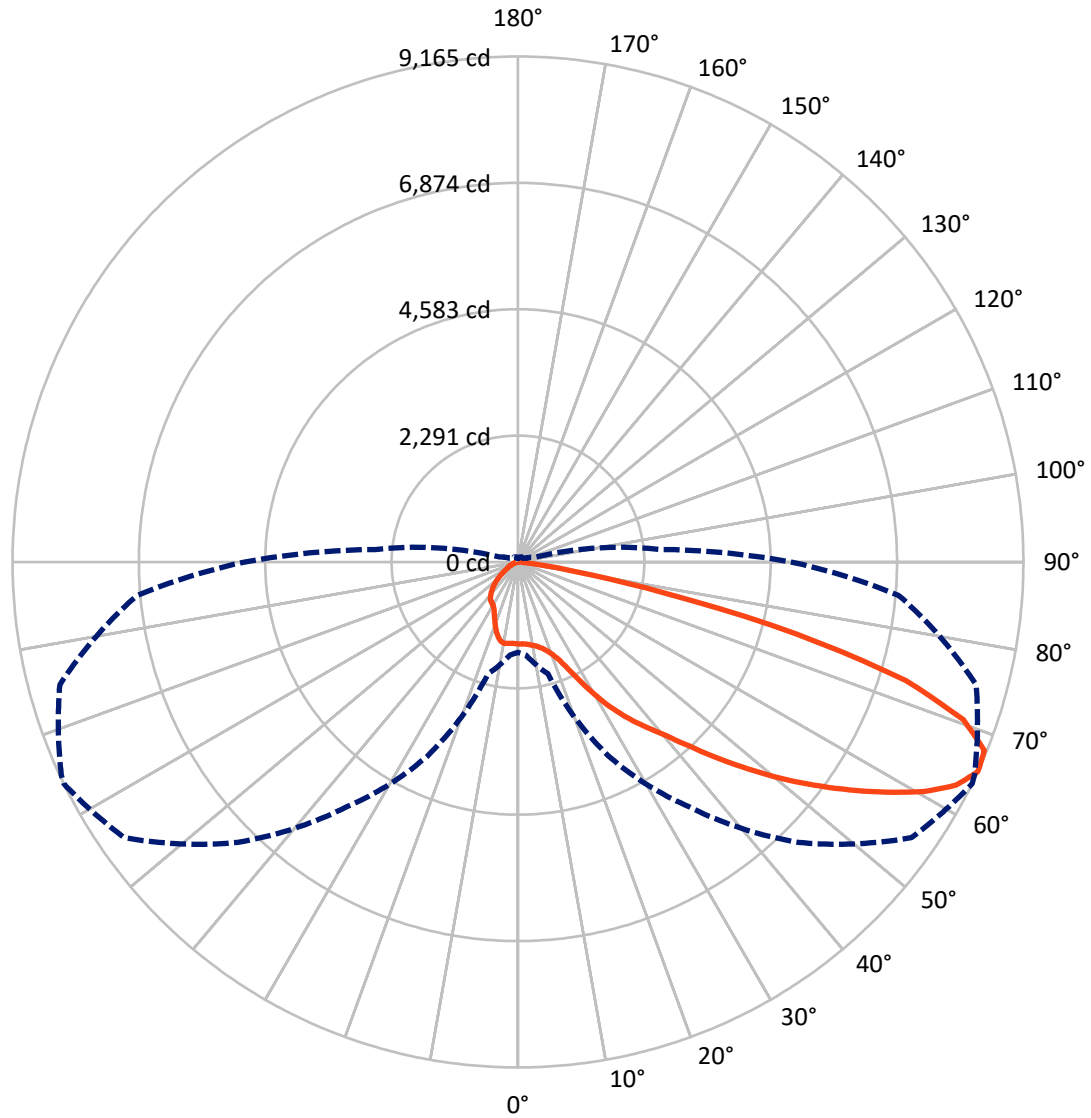
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	1707.7	0.0	1707.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	11062.3	0.0	11062.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	12770.0	0.0	12770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	1.1
10°-20°	371.7	2.9
20°-30°	704.3	5.5
30°-40°	1425.1	11.2
40°-50°	2427.7	19.0
50°-60°	3301.5	25.9
60°-70°	3100.3	24.3
70°-80°	1242.1	9.7
80°-90°	60.2	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°	12770.0	100.0
0°-180°	12770.0	100.0

Coefficient of Utilization



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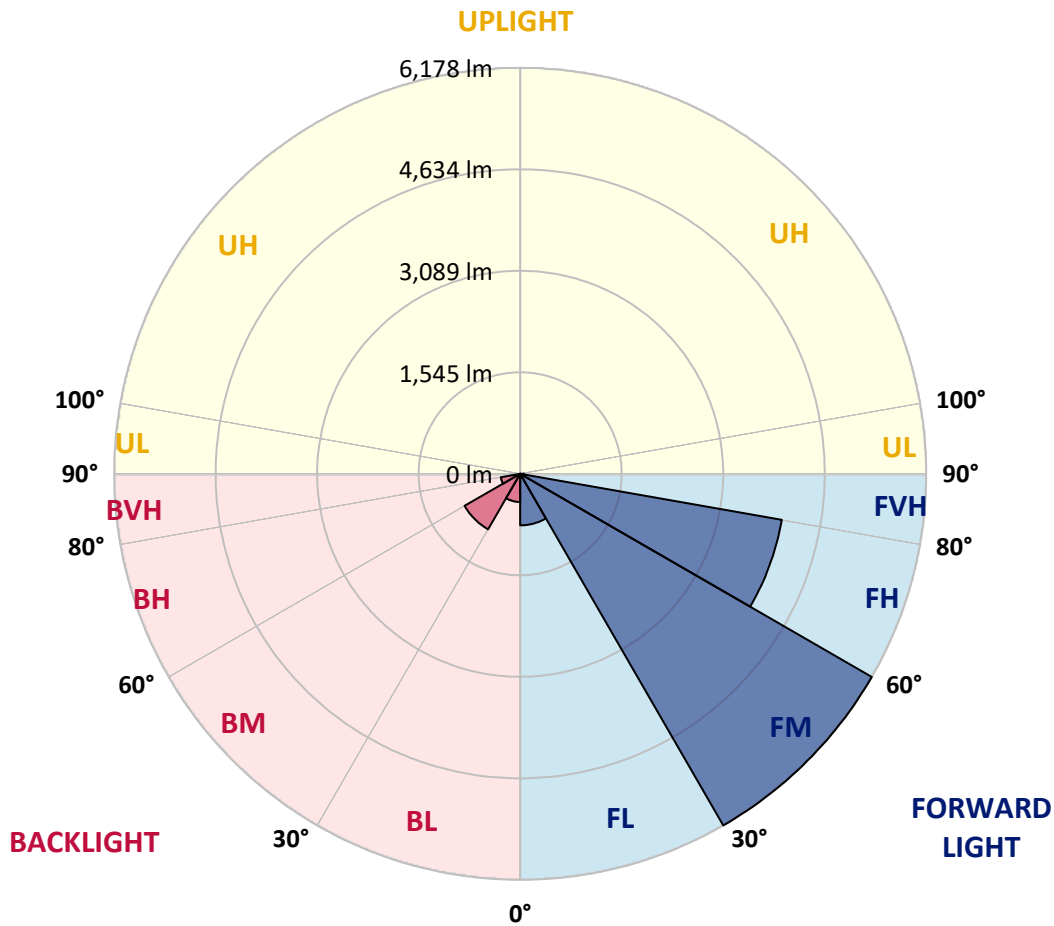
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	784.2	6.1			
FM (30°-60°)	6178.1	48.4			
FH (60°-80°)	4042.7	31.7			G2/5000
FVH (80°-90°)	57.2	0.4			G1/100
BL (0°-30°)	428.8	3.4	B1/500		
BM (30°-60°)	976.3	7.6	B1/1000		
BH (60°-80°)	299.7	2.3	B1/500		G1/500
BVH (80°-90°)	2.9	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3
2.5°	1480.1	1490.4	1487.9	1485.3	1484.4	1486.1	1487.0	1486.1	1486.1	1486.1
5°	1451.9	1460.5	1460.5	1466.5	1475.0	1485.3	1493.0	1494.7	1496.4	1499.0
7.5°	1398.0	1404.8	1409.9	1429.6	1451.0	1478.4	1501.5	1513.5	1515.2	1524.7
10°	1361.2	1369.7	1378.3	1398.8	1429.6	1470.7	1510.1	1539.2	1543.5	1565.8
12.5°	1359.4	1368.0	1379.1	1401.4	1437.3	1481.0	1528.9	1570.9	1578.6	1611.1
15°	1377.4	1387.7	1398.0	1425.4	1463.9	1517.0	1568.3	1620.5	1628.2	1674.5
17.5°	1414.2	1427.9	1435.6	1463.0	1504.1	1563.2	1630.8	1690.7	1697.6	1751.5
20°	1487.0	1503.3	1505.8	1528.1	1568.3	1631.7	1712.1	1786.6	1795.2	1856.8
22.5°	1637.7	1660.8	1640.2	1651.4	1687.3	1750.7	1838.0	1932.2	1944.1	2014.3
25°	1903.0	1935.6	1882.5	1863.7	1879.1	1945.0	2054.6	2173.6	2187.3	2243.8
27.5°	2424.4	2382.4	2302.0	2223.2	2177.0	2214.7	2337.9	2485.2	2502.3	2557.1
30°	2997.1	2960.3	2851.6	2676.9	2567.4	2561.4	2675.2	2839.6	2859.3	2911.5
32.5°	3570.7	3535.6	3417.4	3202.6	3012.5	2918.3	2997.1	3179.4	3189.7	3223.1
35°	4134.8	4098.9	3980.7	3760.7	3527.0	3313.0	3297.6	3503.0	3506.5	3541.6
37.5°	4702.4	4672.4	4546.6	4330.9	4100.6	3805.2	3662.3	3809.5	3813.8	3848.0
40°	5107.3	5120.2	5033.7	4866.8	4669.0	4346.3	4071.5	4135.7	4110.0	4167.4
42.5°	5454.9	5480.6	5405.2	5321.3	5206.6	4922.4	4578.3	4567.1	4526.0	4556.9
45°	5755.4	5776.8	5709.1	5689.4	5686.9	5487.4	5132.1	5065.4	5008.0	5002.0
47.5°	5865.8	5906.9	5936.0	6001.9	6130.3	6046.4	5704.9	5601.3	5537.1	5490.0
50°	5907.7	5951.4	6050.7	6242.5	6546.4	6582.3	6275.0	6158.6	6079.8	5994.2
52.5°	5851.2	5929.1	6062.7	6385.4	6826.3	7012.1	6822.0	6720.2	6630.3	6490.7
55°	5518.2	5596.1	5869.2	6383.7	6965.9	7313.4	7339.1	7293.7	7192.7	6972.7
57.5°	4816.3	4931.8	5364.1	6166.3	6963.3	7572.8	7845.9	7878.4	7765.4	7450.4
60°	3843.8	4000.4	4527.8	5684.3	6748.4	7713.2	8290.2	8452.8	8333.0	7921.2
62.5°	2682.1	2863.6	3362.6	4929.3	6257.0	7612.2	8614.6	8915.1	8824.4	8342.4
65°	1636.0	1694.2	2096.5	3878.9	5421.5	7189.3	8714.8	9165.1	9135.1	8600.1
67.5°	1089.8	1138.6	1254.1	2659.8	4208.4	6344.3	8475.1	9121.4	9130.0	8558.1
70°	656.6	698.6	773.9	1546.9	2727.4	5021.7	7732.9	8565.0	8614.6	7997.4
72.5°	270.5	298.8	367.3	701.1	1412.5	3187.2	6157.7	7353.7	7469.2	6724.4
75°	153.2	167.8	215.7	351.8	612.9	1485.3	3729.9	5220.3	5390.7	4634.8
77.5°	101.9	108.7	139.5	227.7	345.0	506.8	1594.0	2719.7	3045.0	2531.4
80°	68.5	74.5	95.9	152.4	224.3	217.4	507.7	1007.6	1239.6	869.8
82.5°	46.2	47.1	68.5	100.2	142.1	105.3	149.8	313.3	393.8	251.7
85°	26.5	25.7	50.5	58.2	63.3	43.7	45.4	94.2	123.3	106.2
87.5°	3.4	5.1	19.7	15.4	8.6	9.4	9.4	16.3	24.0	25.7
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°
1485.3	0°	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3	1485.3
1487.0	2.5°	1487.0	1486.1	1483.6	1481.0	1475.0	1471.6	1473.3	1471.6	1470.7	1471.6
1498.1	5°	1498.1	1495.6	1488.7	1480.1	1468.2	1453.6	1444.2	1430.5	1417.7	1409.9
1528.1	7.5°	1528.1	1525.5	1516.1	1492.1	1453.6	1392.8	1337.2	1288.4	1251.6	1230.2
1576.0	10°	1576.0	1571.7	1557.2	1504.1	1403.1	1270.4	1160.0	1068.4	1008.5	980.2
1632.5	12.5°	1632.5	1627.4	1601.7	1493.0	1307.2	1100.1	947.7	845.8	790.2	765.3
1697.6	15°	1699.3	1692.5	1641.9	1439.9	1167.7	911.7	772.2	696.0	660.0	637.8
1780.6	17.5°	1782.3	1770.4	1671.9	1360.3	1016.2	767.9	664.3	607.0	575.3	553.9
1889.3	20°	1890.2	1870.5	1695.9	1265.3	876.6	677.2	591.5	543.6	519.6	500.8
2043.4	22.5°	2040.9	2012.6	1725.0	1162.5	778.2	614.7	537.6	502.5	482.8	461.4
2258.3	25°	2227.5	2194.1	1760.9	1067.5	710.5	560.7	498.2	469.1	446.0	421.2
2540.0	27.5°	2488.6	2428.7	1803.7	989.6	652.3	514.5	462.3	429.7	403.2	382.7
2859.3	30°	2779.7	2681.2	1841.4	942.5	599.2	471.7	415.2	382.7	357.8	343.3
3146.1	32.5°	3055.3	2921.8	1866.2	922.0	551.3	422.9	363.8	328.7	309.9	305.6
3426.9	35°	3315.6	3139.2	1863.7	902.3	508.5	374.1	313.3	277.4	262.8	265.4
3729.0	37.5°	3615.2	3371.2	1845.7	871.5	473.4	329.6	269.7	238.0	225.1	226.0
4096.3	40°	3963.6	3639.2	1834.6	813.3	434.9	288.5	233.7	208.0	198.6	195.2
4483.2	42.5°	4335.1	3898.5	1836.3	747.4	386.9	251.7	208.9	187.5	178.9	176.4
4913.8	45°	4708.4	4146.0	1838.8	678.9	336.4	223.4	190.9	172.9	167.8	164.4
5350.4	47.5°	5059.4	4356.5	1790.9	605.2	286.8	202.0	176.4	164.4	160.1	155.8
5788.8	50°	5386.4	4496.9	1675.3	519.6	247.4	184.9	165.2	156.7	152.4	148.1
6186.0	52.5°	5640.7	4519.2	1484.4	431.5	220.0	172.1	158.4	150.7	145.5	141.3
6507.0	55°	5753.7	4379.7	1213.1	349.3	198.6	160.9	151.5	143.8	137.8	133.5
6759.5	57.5°	5724.5	4086.0	946.0	280.8	178.1	149.8	143.0	137.8	131.0	124.1
6964.1	60°	5581.6	3693.1	713.1	233.7	159.2	137.8	133.5	129.3	119.8	109.6
7042.9	62.5°	5334.2	3199.1	508.5	193.5	138.7	124.1	122.4	119.0	105.3	86.5
6926.5	65°	4955.8	2599.0	342.4	160.9	119.0	108.7	109.6	103.6	85.6	64.2
6500.1	67.5°	4402.8	1900.5	219.2	131.8	99.3	90.7	91.6	88.2	72.8	54.8
5692.0	70°	3698.2	1258.4	143.0	100.2	79.6	70.2	75.3	76.2	61.6	44.5
4368.5	72.5°	2711.2	743.1	100.2	74.5	58.2	48.8	61.6	63.3	49.7	33.4
2628.1	75°	1545.2	352.7	75.3	53.9	36.0	34.2	47.9	47.9	34.2	22.3
1137.7	77.5°	648.9	147.2	53.1	35.1	20.5	19.7	32.5	30.0	17.1	10.3
277.4	80°	187.5	65.9	28.3	17.1	8.6	7.7	12.8	9.4	4.3	1.7
105.3	82.5°	73.6	29.1	11.1	6.8	3.4	3.4	1.7	0.0	0.0	0.0
59.9	85°	43.7	12.0	5.1	2.6	0.9	0.0	0.0	0.0	0.0	0.0
12.8	87.5°	11.1	2.6	1.7	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>
1485.3
1475.0
1411.7
1231.0
977.6
762.8
638.6
552.2
497.4
458.0
418.6
378.4
340.7
308.2
265.4
229.4
194.3
175.5
164.4
155.8
148.1
140.4
132.7
123.3
107.9
84.8
62.5
52.2
42.8
31.7
20.5
10.3
1.7
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