

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: P948396

Luminaire Tested: **GALN-SB3B-950-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-950-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9785 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

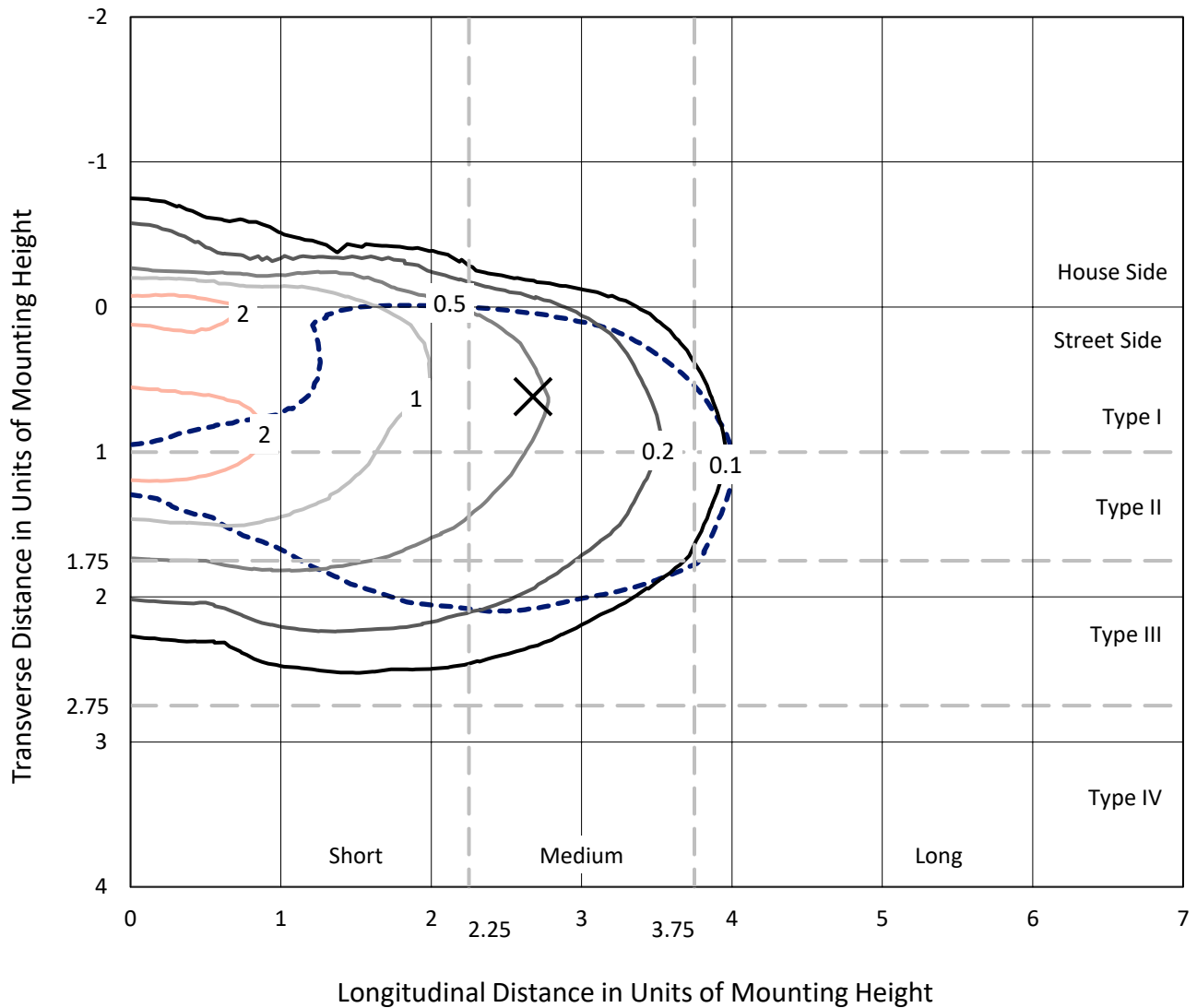
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

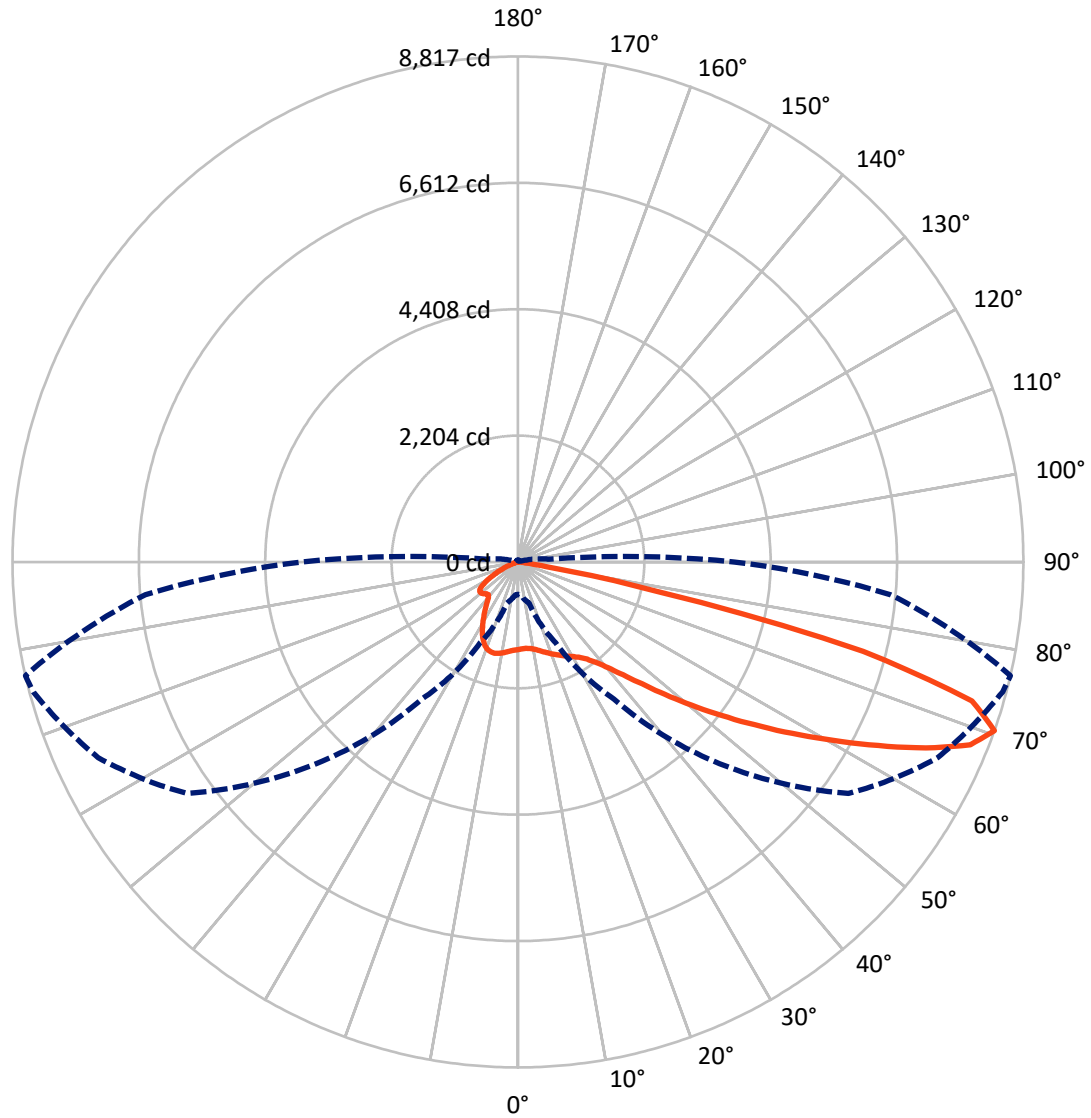
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1031.5	0.0	1031.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	8753.5	0.0	8753.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	9785.0	0.0	9785.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	1.3
10°-20°	312.3	3.2
20°-30°	483.0	4.9
30°-40°	876.4	9.0
40°-50°	1654.3	16.9
50°-60°	2390.4	24.4
60°-70°	2544.5	26.0
70°-80°	1348.4	13.8
80°-90°	44.3	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°	9785.0	100.0
0°-180°	9785.0	100.0

Coefficient of Utilization



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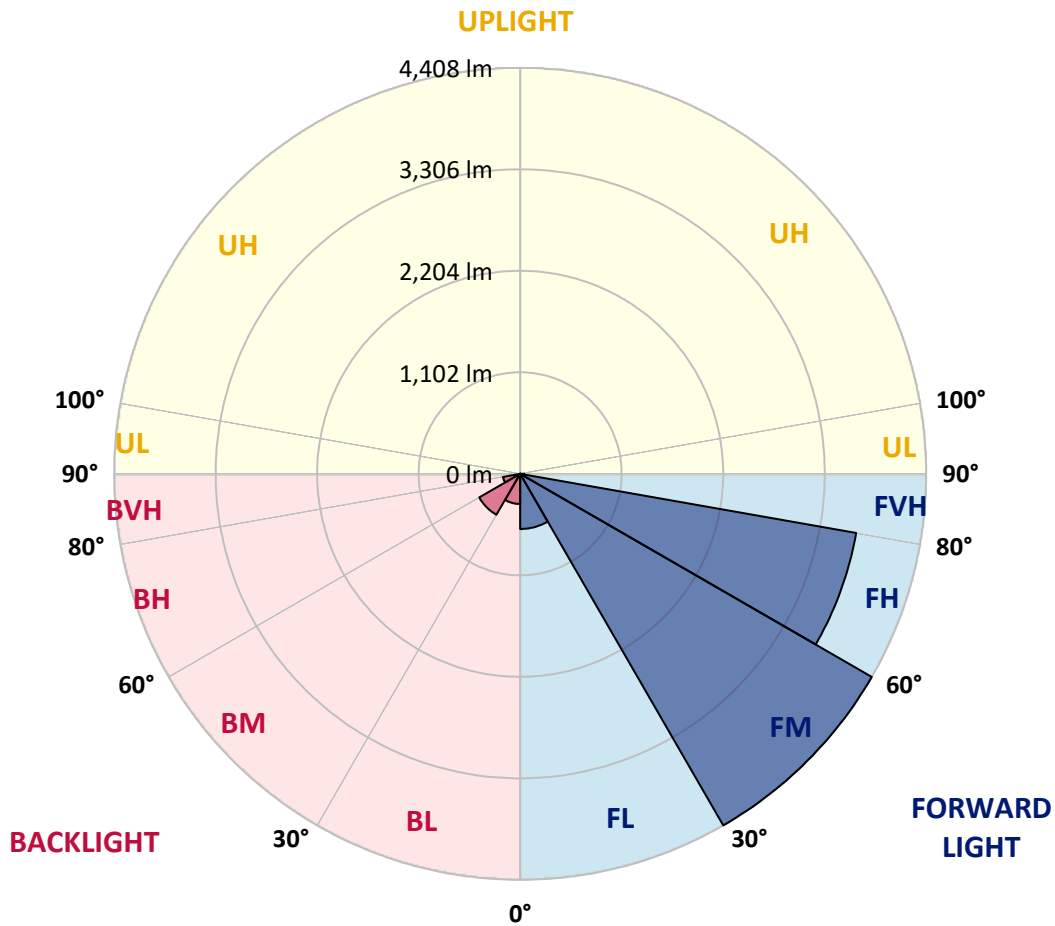
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	599.1	6.1			
FM (30°-60°)	4407.6	45.0			
FH (60°-80°)	3703.8	37.9			G2/5000
FVH (80°-90°)	43.1	0.4			G1/100
BL (0°-30°)	327.7	3.3	B1/500		
BM (30°-60°)	513.5	5.2	B1/1000		
BH (60°-80°)	189.1	1.9	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1526.3	1526.3	1526.3	1526.3	1526.3	1526.3	1526.3	1526.3	1526.3	1526.3
2.5°	1433.0	1446.0	1444.1	1452.7	1455.8	1468.2	1480.6	1497.2	1515.8	1515.2
5°	1352.0	1365.0	1368.1	1379.8	1394.7	1413.8	1439.2	1472.5	1507.1	1512.7
7.5°	1256.2	1269.8	1277.9	1301.4	1328.5	1368.1	1409.5	1458.3	1515.8	1523.8
10°	1160.5	1172.8	1183.3	1216.7	1260.0	1318.7	1386.0	1456.5	1533.7	1545.4
12.5°	1101.1	1112.9	1124.6	1153.7	1207.4	1279.1	1370.6	1465.1	1563.4	1580.0
15°	1080.1	1090.6	1099.9	1125.9	1175.9	1257.5	1367.5	1483.0	1601.1	1623.3
17.5°	1083.2	1088.8	1095.0	1114.7	1163.6	1247.6	1373.0	1513.9	1645.5	1665.3
20°	1101.1	1104.2	1104.9	1118.5	1161.7	1246.4	1384.2	1543.6	1687.6	1714.1
22.5°	1124.0	1125.2	1124.0	1133.3	1173.4	1255.6	1399.0	1579.4	1734.5	1759.2
25°	1230.9	1207.4	1177.8	1159.9	1193.2	1273.6	1421.2	1627.6	1785.8	1809.9
27.5°	1562.7	1495.4	1389.1	1269.8	1234.0	1299.5	1452.1	1676.4	1837.7	1859.3
30°	2101.6	2013.2	1832.8	1564.0	1365.0	1353.9	1492.3	1725.3	1892.7	1916.2
32.5°	2641.6	2620.0	2411.8	2039.8	1659.8	1475.0	1559.0	1791.4	1965.6	1984.2
35°	3187.9	3144.0	2973.5	2605.8	2113.9	1721.5	1670.3	1877.9	2061.4	2082.4
37.5°	3606.2	3579.7	3474.0	3171.2	2652.8	2102.2	1860.6	2012.0	2200.4	2223.9
40°	3975.8	3963.4	3927.6	3728.0	3255.2	2600.2	2156.6	2219.6	2393.2	2421.0
42.5°	4266.2	4295.2	4315.6	4260.0	3876.3	3168.7	2554.5	2511.3	2662.0	2690.5
45°	4563.4	4573.3	4655.5	4735.8	4493.0	3763.2	3003.1	2853.0	2996.3	3031.6
47.5°	4754.3	4793.9	4938.5	5080.0	5011.4	4352.7	3485.1	3256.5	3383.8	3449.9
50°	4768.6	4843.3	5042.3	5288.8	5389.0	4913.8	4009.1	3716.2	3851.5	3924.5
52.5°	4531.9	4648.1	4956.4	5317.3	5592.9	5389.0	4551.0	4176.0	4349.6	4444.8
55°	3474.6	3626.6	4633.2	5162.8	5600.9	5749.2	5078.8	4654.9	4904.5	5012.0
57.5°	3027.2	3103.9	3642.7	4894.6	5452.0	5894.4	5555.8	5110.9	5508.2	5641.7
60°	2518.7	2619.4	3055.0	4455.9	5249.9	5908.6	5977.2	5699.2	6162.6	6312.8
62.5°	1711.7	1821.0	2254.2	3702.0	4973.7	5901.8	6322.6	6304.7	6889.9	7051.2
65°	1060.4	1129.0	1414.4	3022.9	4587.5	5909.2	6684.1	7040.1	7657.4	7821.1
67.5°	837.9	869.4	1018.3	2320.9	3922.0	5742.4	7045.0	7731.5	8379.7	8509.5
70°	562.9	582.1	740.9	1555.9	2917.9	4972.5	7038.2	8078.8	8751.7	8816.6
72.5°	296.6	311.4	433.2	720.5	1762.3	3534.6	5932.7	7663.5	8381.6	8283.9
75°	148.3	173.0	291.7	365.8	752.6	1971.2	3684.1	6042.1	6597.0	6218.8
77.5°	112.5	135.9	241.0	241.0	262.0	663.7	1560.3	3295.4	3039.6	2531.0
80°	71.7	92.7	210.7	182.3	109.4	168.7	406.6	923.2	645.7	491.3
82.5°	42.0	60.6	175.5	120.5	61.2	62.4	114.9	196.5	167.5	130.4
85°	16.7	39.5	120.5	47.6	24.1	15.4	34.6	42.0	34.6	26.0
87.5°	0.0	9.3	21.0	0.0	1.9	1.2	2.5	3.1	3.1	2.5
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°
1526.3	0°	1526.3	1526.3	1526.3	1526.3	1526.3	1526.3	1526.3	1526.3	1526.3	1526.3
1527.5	2.5°	1533.1	1534.3	1538.0	1538.6	1530.0	1518.9	1514.5	1512.7	1505.3	1504.7
1537.4	5°	1551.6	1557.2	1551.6	1535.6	1497.2	1443.5	1402.7	1369.3	1339.1	1329.8
1571.4	7.5°	1588.7	1594.3	1577.6	1514.5	1418.1	1311.2	1214.8	1146.9	1085.7	1062.8
1612.8	10°	1641.8	1649.3	1596.7	1469.4	1298.9	1127.1	964.0	849.0	759.4	723.0
1669.0	12.5°	1708.6	1711.7	1607.2	1400.8	1143.8	898.5	667.4	544.4	464.7	435.0
1737.0	15°	1782.1	1777.8	1608.5	1307.5	932.5	635.2	435.6	357.8	325.6	315.8
1805.0	17.5°	1859.3	1841.4	1583.8	1172.8	700.7	434.4	323.2	304.6	299.1	296.6
1872.3	20°	1935.4	1895.2	1538.6	996.7	503.0	324.4	293.5	288.0	284.9	283.6
1940.3	22.5°	2004.6	1936.0	1461.4	792.2	365.2	286.7	277.4	272.5	266.9	264.5
2006.4	25°	2071.9	1959.5	1352.6	601.2	292.3	268.2	260.8	251.5	244.1	241.0
2077.5	27.5°	2137.4	1974.3	1216.7	444.9	260.8	250.9	237.3	224.3	218.7	217.5
2153.5	30°	2207.2	1979.2	1062.2	331.8	241.6	229.3	209.5	194.6	191.6	192.2
2256.1	32.5°	2292.5	1986.6	906.5	271.9	225.5	203.3	179.8	164.4	161.9	164.4
2405.6	35°	2394.5	2001.5	756.3	250.3	211.3	176.7	151.4	138.4	135.9	137.8
2597.2	37.5°	2532.9	2025.6	616.1	245.9	199.6	154.5	127.3	116.8	116.8	117.4
2832.0	40°	2717.0	2089.8	490.6	242.8	193.4	137.8	107.5	103.2	105.0	106.3
3131.0	42.5°	2941.3	2226.4	406.0	239.1	186.6	130.4	97.6	95.8	98.9	100.1
3489.4	45°	3192.8	2399.4	376.3	233.0	180.4	135.3	93.3	90.8	94.5	95.2
3891.1	47.5°	3453.0	2568.7	372.6	226.2	174.3	142.7	92.1	86.5	90.8	91.5
4319.9	50°	3716.2	2679.3	376.3	215.7	164.4	142.7	92.7	82.2	85.9	87.7
4764.8	52.5°	3981.3	2730.0	373.8	192.8	147.1	134.1	92.7	78.5	82.2	83.4
5245.6	55°	4238.4	2720.1	336.2	158.8	124.8	118.6	90.2	75.4	77.9	78.5
5699.8	57.5°	4441.7	2582.3	266.3	123.6	101.3	98.9	82.2	71.7	73.5	72.9
6116.3	60°	4548.0	2279.5	190.3	95.2	79.7	77.9	72.3	66.7	68.0	64.9
6469.1	62.5°	4549.2	1879.1	127.3	75.4	63.6	61.8	61.8	59.9	58.7	52.5
6742.2	65°	4452.2	1434.8	84.7	59.9	51.3	48.2	51.9	51.3	47.0	38.3
6825.6	67.5°	4232.2	940.5	64.3	47.0	39.5	37.7	41.4	43.3	40.2	32.1
6521.6	70°	3779.9	547.5	53.1	36.5	29.7	27.8	33.4	37.1	33.4	26.0
5574.3	72.5°	3139.7	295.4	43.3	27.2	20.4	18.5	26.6	30.3	26.6	19.2
3576.6	75°	2037.3	158.2	33.4	17.9	10.5	11.7	19.8	22.2	18.5	12.4
1049.9	77.5°	684.0	69.8	21.0	8.7	4.9	4.9	11.7	13.6	8.7	4.3
190.9	80°	152.6	29.0	8.7	3.7	1.9	1.9	2.5	2.5	1.2	0.0
58.7	82.5°	50.1	11.7	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
14.8	85°	19.2	4.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.9	87.5°	7.4	0.6	0.0	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>
1526.3
1505.9
1324.2
1053.6
707.5
425.8
315.8
296.0
282.4
263.9
239.8
216.3
192.2
163.8
137.2
116.8
106.3
100.1
95.8
92.1
88.4
83.4
78.5
72.9
64.3
50.7
37.1
31.5
24.7
18.5
11.1
3.7
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