

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: P940372

Luminaire Tested: **GALN-SB3B-930-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3B-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11651 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

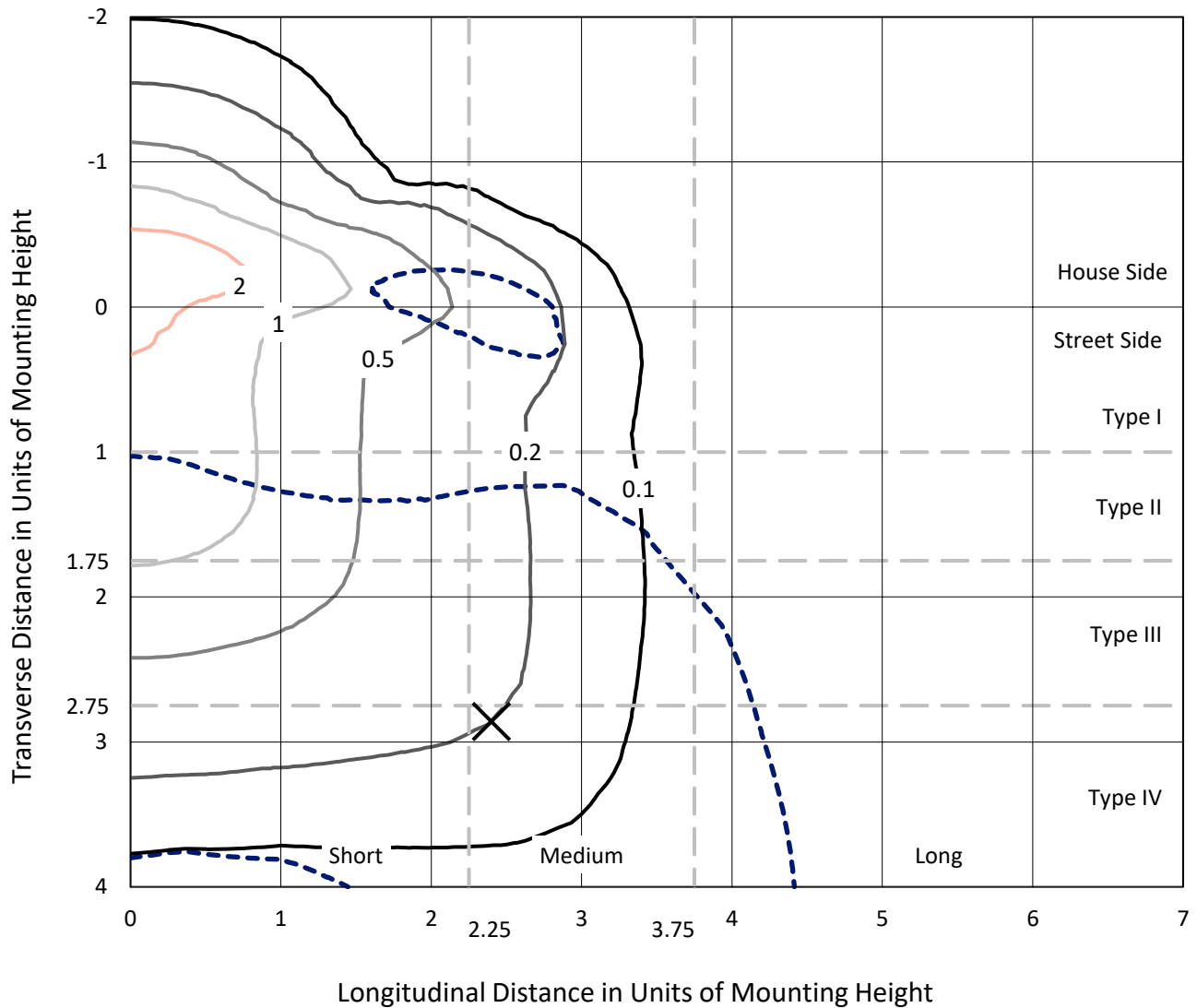
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

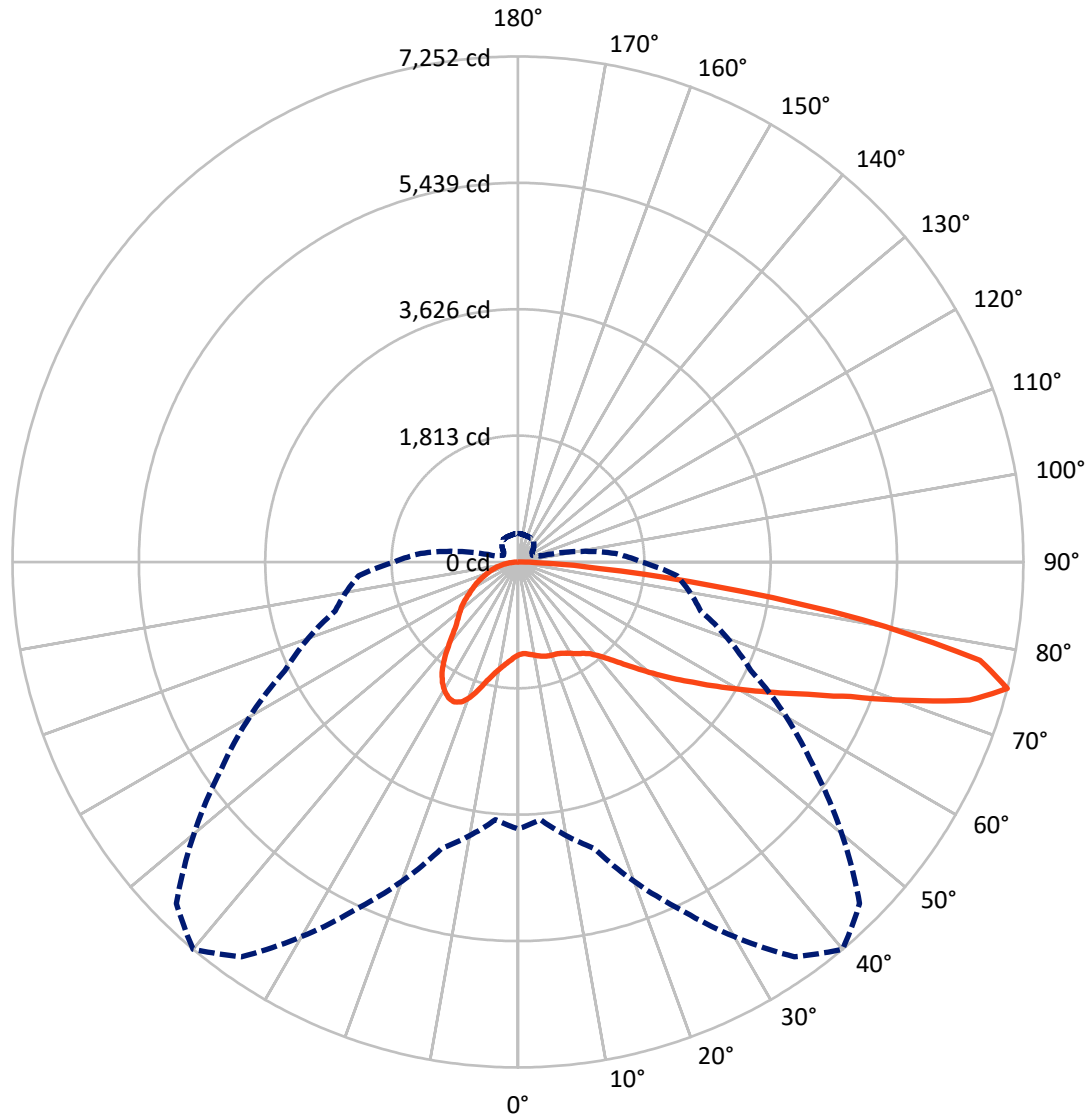
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3609.9	0.0	3609.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	8041.1	0.0	8041.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	11651.0	0.0	11651.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	1.1
10°-20°	446.5	3.8
20°-30°	815.3	7.0
30°-40°	1156.3	9.9
40°-50°	1561.4	13.4
50°-60°	2100.4	18.0
60°-70°	2665.9	22.9
70°-80°	2419.5	20.8
80°-90°	352.7	3.0
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°	11651.0	100.0
0°-180°	11651.0	100.0



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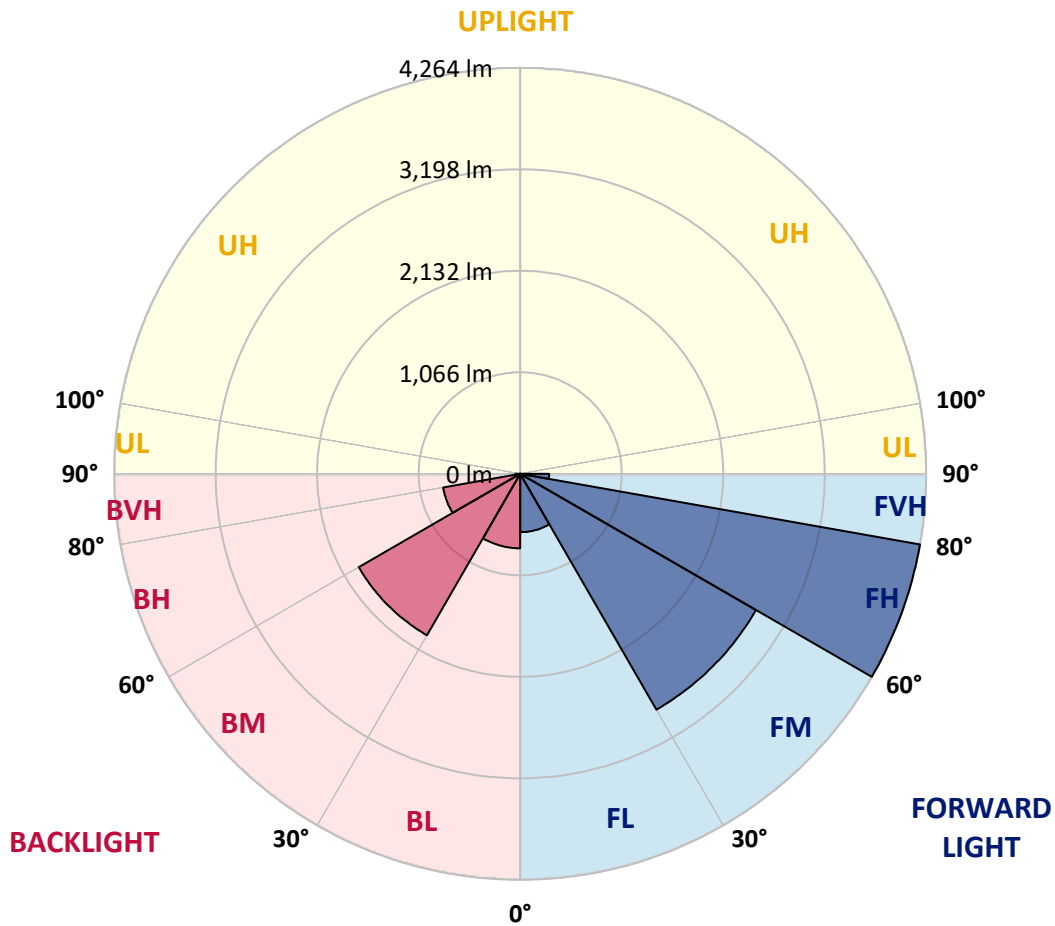
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	612.9	5.3			
FM (30°-60°)	2860.1	24.5			
FH (60°-80°)	4264.1	36.6			G2/5000
FVH (80°-90°)	304.1	2.6			G3/500
BL (0°-30°)	781.9	6.7	B2/1000		
BM (30°-60°)	1958.0	16.8	B2/2500		
BH (60°-80°)	821.4	7.0	B2/1000		G2/1000
BVH (80°-90°)	48.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3
2.5°	1311.9	1319.3	1317.5	1315.0	1315.0	1315.6	1315.0	1319.3	1323.7	1328.0
5°	1325.5	1332.9	1329.2	1326.1	1323.7	1323.0	1321.2	1320.6	1323.0	1328.6
7.5°	1352.1	1359.5	1353.9	1348.4	1343.4	1341.0	1338.5	1334.8	1332.9	1336.0
10°	1381.7	1389.2	1382.4	1372.5	1364.4	1361.4	1358.9	1355.2	1352.7	1354.6
12.5°	1411.4	1418.8	1409.6	1396.0	1385.5	1383.6	1380.5	1379.3	1378.7	1378.0
15°	1439.2	1445.4	1433.7	1417.6	1406.5	1403.4	1400.3	1402.1	1405.2	1408.9
17.5°	1460.8	1467.0	1449.7	1428.7	1418.2	1417.0	1415.1	1421.3	1429.9	1439.2
20°	1480.6	1486.8	1464.5	1436.1	1423.8	1423.8	1424.4	1437.4	1449.7	1463.3
22.5°	1508.4	1513.4	1486.2	1447.2	1429.3	1430.6	1435.5	1448.5	1463.9	1482.5
25°	1549.8	1553.5	1520.2	1468.3	1447.9	1451.6	1455.9	1462.1	1476.9	1498.5
27.5°	1616.6	1619.7	1575.8	1505.3	1474.4	1480.6	1486.8	1482.5	1489.3	1507.8
30°	1710.5	1712.3	1656.7	1563.4	1519.5	1522.6	1523.9	1506.0	1493.0	1507.8
32.5°	1821.7	1821.1	1755.0	1633.9	1570.8	1567.7	1557.2	1522.0	1491.7	1504.7
35°	1994.1	1987.3	1902.1	1732.7	1628.9	1609.8	1585.1	1539.9	1497.9	1501.6
37.5°	2279.6	2258.6	2140.6	1894.6	1715.4	1666.6	1630.2	1569.0	1511.5	1500.4
40°	2601.6	2575.0	2445.2	2116.5	1845.2	1766.7	1708.0	1610.4	1533.8	1506.0
42.5°	2983.5	2945.8	2806.1	2377.9	2009.6	1895.9	1807.5	1662.9	1566.5	1523.9
45°	3452.5	3402.5	3204.7	2672.6	2216.6	2065.2	1947.2	1742.6	1616.6	1558.5
47.5°	3926.5	3938.8	3657.7	3010.1	2465.0	2274.1	2122.1	1862.5	1689.5	1614.1
50°	4430.1	4438.8	4108.2	3383.9	2746.8	2510.1	2318.6	1996.6	1790.8	1693.2
52.5°	4823.1	4824.4	4517.2	3775.1	3040.3	2769.7	2530.5	2149.9	1908.2	1798.2
55°	5069.1	5066.0	4804.0	4145.2	3377.7	3042.2	2765.3	2324.1	2051.6	1921.8
57.5°	5247.7	5238.4	5001.7	4463.5	3737.4	3364.1	3031.1	2521.9	2220.9	2068.9
60°	5315.6	5310.1	5135.8	4738.5	4115.6	3720.1	3337.6	2743.1	2413.1	2242.6
62.5°	5341.6	5352.1	5267.4	5004.8	4520.3	4114.3	3674.4	3007.6	2629.4	2439.1
65°	5433.0	5452.2	5434.9	5353.3	4977.6	4575.9	4121.1	3322.1	2865.4	2649.8
67.5°	5614.1	5633.3	5640.7	5770.4	5536.2	5151.3	4678.5	3713.9	3141.7	2868.5
70°	5609.8	5604.2	5735.2	6102.3	6235.8	5947.8	5430.0	4195.9	3471.0	3050.2
72.5°	5106.1	5061.7	5371.3	6098.6	6817.9	6779.6	6347.6	4817.6	3755.3	3072.5
75°	3830.7	3712.0	4258.9	5496.1	6914.9	7251.7	6931.0	5203.2	3687.9	2714.7
77.5°	1638.2	1518.9	2163.5	4068.6	6188.8	6778.9	6395.8	4539.5	2943.9	1795.2
80°	428.9	428.2	653.8	1844.6	4208.9	5006.0	4391.8	2931.6	1682.1	641.4
82.5°	177.4	173.0	240.4	717.4	2056.5	2809.2	2292.6	1307.6	607.4	173.6
85°	66.1	65.5	116.8	247.8	725.5	1158.7	838.6	334.3	151.4	84.7
87.5°	18.5	17.9	25.3	85.9	176.7	268.2	143.4	55.0	42.6	33.4
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°
1332.3	0°	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3	1332.3
1334.8	2.5°	1336.6	1339.7	1345.3	1349.6	1355.2	1361.4	1370.0	1375.6	1381.1	1384.8
1337.9	5°	1342.2	1349.0	1363.2	1377.4	1394.1	1409.6	1427.5	1440.4	1451.0	1454.0
1349.0	7.5°	1354.6	1365.7	1389.8	1413.9	1440.4	1465.8	1491.7	1514.0	1531.9	1538.7
1368.8	10°	1376.2	1391.0	1425.0	1459.0	1494.2	1533.1	1566.5	1598.6	1624.0	1634.5
1392.2	12.5°	1403.4	1421.9	1466.4	1513.4	1562.2	1615.9	1659.2	1698.8	1730.3	1744.5
1425.0	15°	1438.6	1462.7	1519.5	1582.6	1654.3	1729.0	1784.0	1827.9	1863.1	1880.4
1459.0	17.5°	1476.9	1509.0	1580.7	1675.9	1778.5	1876.7	1941.0	1973.1	2009.6	2026.3
1490.5	20°	1514.0	1553.5	1656.1	1794.5	1931.1	2035.5	2087.4	2096.1	2098.6	2100.4
1520.2	22.5°	1552.3	1605.4	1750.7	1944.1	2090.5	2162.8	2170.3	2133.2	2081.3	2057.2
1549.2	25°	1594.3	1664.8	1874.3	2109.1	2227.7	2236.4	2179.5	2089.3	1991.0	1945.9
1572.7	27.5°	1635.1	1733.4	2022.6	2266.7	2326.6	2250.6	2128.2	2000.3	1881.7	1834.1
1589.4	30°	1675.9	1811.8	2186.3	2404.5	2371.7	2215.4	2047.3	1904.5	1785.3	1735.2
1604.2	32.5°	1717.3	1903.3	2374.8	2503.9	2363.7	2140.6	1946.6	1797.0	1692.0	1639.4
1617.2	35°	1764.3	2015.8	2553.4	2558.3	2309.9	2030.6	1813.7	1668.5	1577.0	1535.0
1632.6	37.5°	1825.4	2158.5	2711.0	2571.9	2216.0	1869.3	1648.7	1516.5	1441.1	1421.9
1655.5	40°	1901.4	2330.3	2831.5	2550.3	2076.9	1673.4	1468.3	1362.6	1319.9	1324.3
1686.4	42.5°	2000.3	2522.5	2916.1	2494.7	1883.5	1471.3	1310.1	1263.1	1283.5	1300.8
1732.7	45°	2128.8	2722.1	2968.6	2400.1	1664.8	1300.2	1216.8	1227.9	1243.3	1245.2
1807.5	47.5°	2293.2	2924.2	3003.3	2257.4	1441.7	1179.7	1157.4	1159.9	1156.8	1143.8
1919.4	50°	2498.4	3120.7	3034.2	2068.3	1252.0	1104.3	1074.6	1066.0	1023.3	981.3
2068.3	52.5°	2732.0	3301.1	3047.1	1833.5	1104.3	1041.3	993.1	938.7	859.0	846.0
2255.5	55°	2991.5	3468.0	3013.8	1544.9	980.1	960.3	887.4	821.9	813.2	802.1
2502.1	57.5°	3301.7	3647.8	2945.8	1222.9	852.8	865.8	794.7	802.1	786.7	769.4
2819.1	60°	3641.0	3833.8	2826.5	929.4	721.2	747.7	770.6	770.0	765.6	751.4
3153.4	62.5°	3946.2	3956.1	2591.7	711.9	605.6	656.3	718.7	718.1	714.4	706.3
3502.6	65°	4127.9	3937.6	2199.9	560.5	510.4	580.9	648.2	653.2	653.8	653.2
3765.2	67.5°	4095.8	3720.7	1662.3	446.2	431.9	504.2	578.4	585.2	590.1	591.4
3798.6	70°	3732.4	3244.3	1083.9	355.9	362.1	436.9	512.3	519.1	523.4	528.4
3296.2	72.5°	2909.3	2385.3	620.4	288.0	300.9	378.8	446.8	454.8	457.3	466.6
2293.8	75°	1772.9	1402.8	334.9	226.8	247.2	323.8	381.9	391.2	395.5	406.6
1126.5	77.5°	842.9	607.4	190.9	176.7	199.0	264.5	322.6	333.1	321.3	327.5
310.8	80°	284.9	225.6	120.5	134.7	152.0	206.4	258.3	268.8	244.1	242.9
103.2	82.5°	99.5	91.5	76.6	89.6	98.3	147.7	195.3	208.9	181.7	181.1
46.3	85°	38.9	37.1	42.6	48.8	58.7	90.8	128.5	135.3	111.8	90.2
13.6	87.5°	8.0	8.7	10.5	11.1	17.9	31.5	46.3	56.9	45.1	38.3
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>
1332.3
1382.4
1455.3
1539.3
1635.1
1744.5
1879.2
2025.7
2105.4
2064.0
1952.7
1839.6
1740.8
1646.2
1544.3
1435.5
1339.1
1316.9
1257.5
1153.7
986.9
850.3
804.0
766.3
746.5
703.2
653.2
592.6
530.8
470.3
407.8
322.6
240.4
172.4
89.0
35.2
0.0

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