

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: P940399

Luminaire Tested: **GALN-SB3B-940-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3B-940-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12101 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

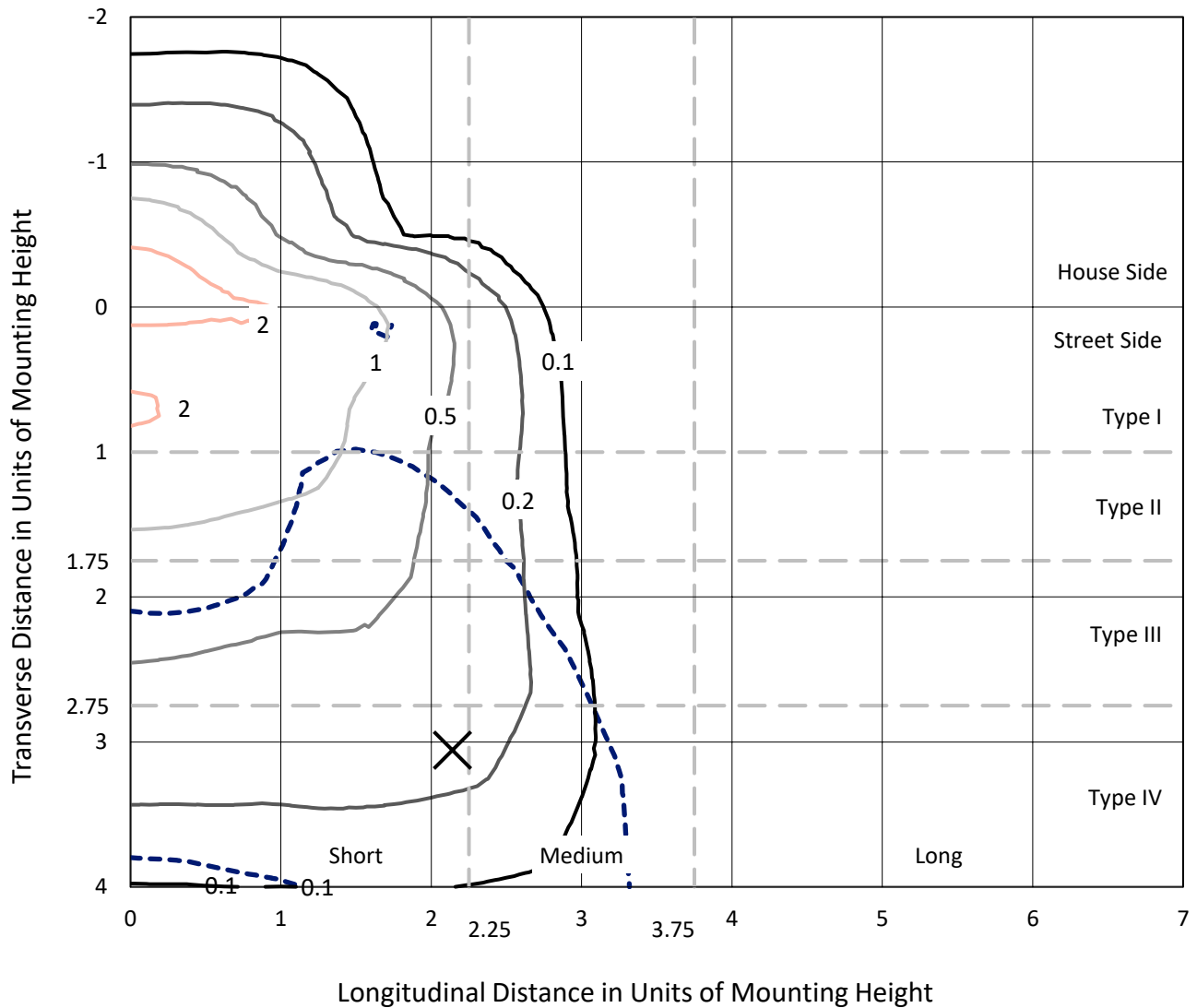
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940399
 CATALOG NUMBER: GALN-SB3B-940-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

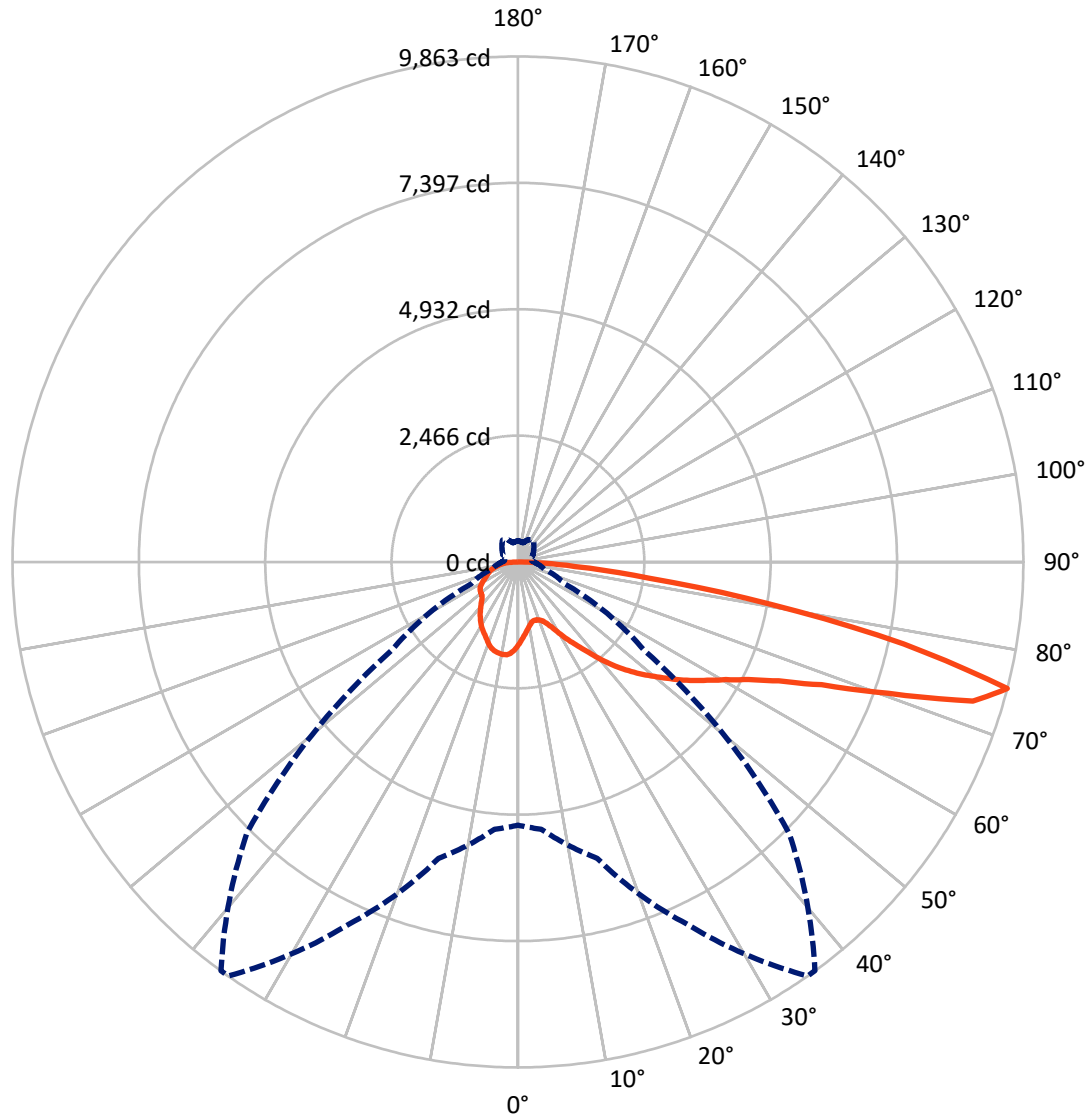
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P940399
CATALOG NUMBER: GALN-SB3B-940-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2879.7	0.0	2879.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	9221.3	0.0	9221.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	12101.0	0.0	12101.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	1.3
10°-20°	440.4	3.6
20°-30°	739.5	6.1
30°-40°	1149.3	9.5
40°-50°	1705.9	14.1
50°-60°	2355.1	19.5
60°-70°	2857.2	23.6
70°-80°	2361.3	19.5
80°-90°	339.6	2.8
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°	12101.0	100.0
0°-180°	12101.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940399

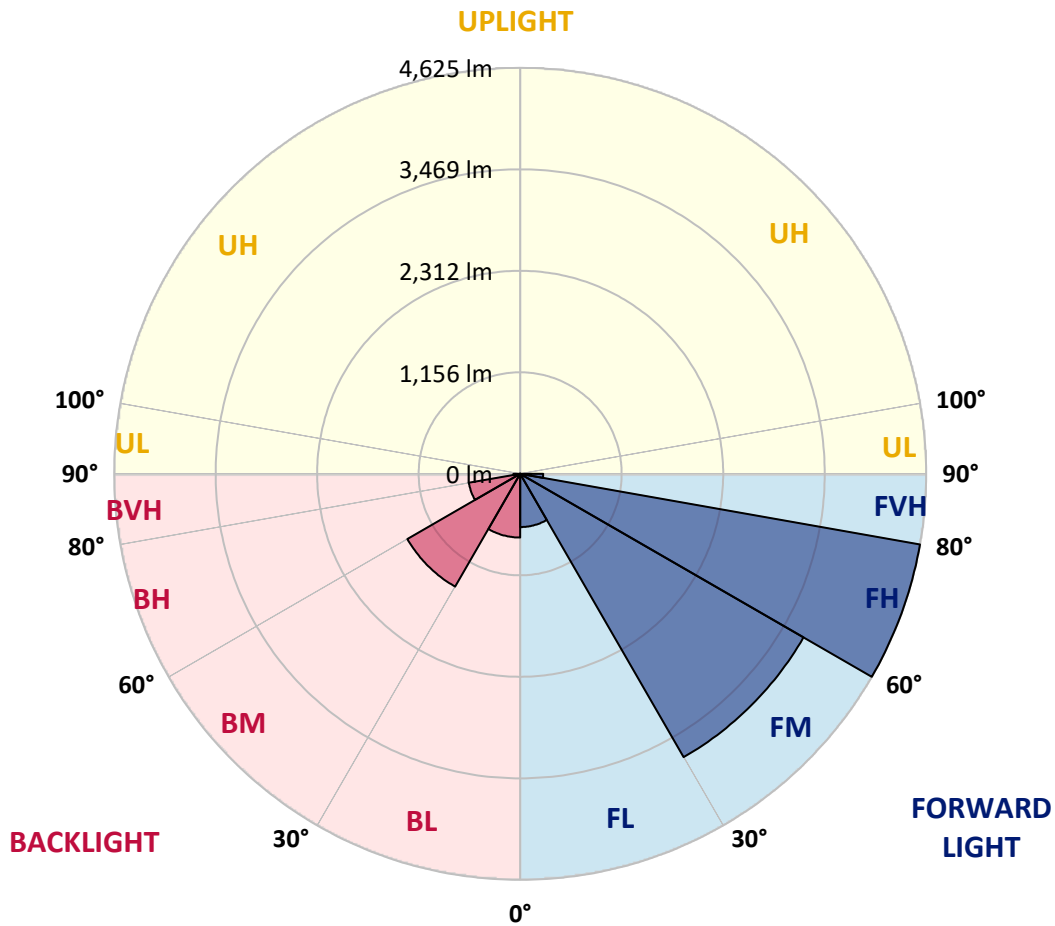
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	606.8	5.0			
FM (30°-60°)	3726.5	30.8			
FH (60°-80°)	4624.8	38.2			G2/5000
FVH (80°-90°)	263.2	2.2			G3/500
BL (0°-30°)	725.7	6.0	B2/1000		
BM (30°-60°)	1483.8	12.3	B2/2500		
BH (60°-80°)	593.7	4.9	B2/1000		G2/1000
BVH (80°-90°)	76.5	0.6			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 Short



REPORT NUMBER: P940399

CATALOG NUMBER: GALN-SB3B-940-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1612.5	1612.5	1612.5	1612.5	1612.5	1612.5	1612.5	1612.5	1612.5	1612.5
2.5°	1486.9	1496.1	1500.0	1498.1	1507.9	1506.6	1520.3	1537.3	1560.9	1583.8
5°	1372.5	1382.3	1390.8	1398.6	1417.6	1423.5	1445.1	1477.8	1521.0	1564.8
7.5°	1265.8	1274.3	1287.4	1301.8	1333.9	1339.7	1375.7	1426.8	1486.9	1551.0
10°	1178.8	1187.3	1201.1	1217.4	1257.3	1264.5	1310.3	1378.3	1456.8	1538.0
12.5°	1141.5	1144.2	1152.0	1168.4	1203.0	1207.6	1258.0	1335.8	1427.4	1528.2
15°	1139.6	1144.8	1145.5	1154.0	1182.7	1184.7	1231.2	1308.3	1409.1	1526.2
17.5°	1159.2	1163.1	1157.2	1162.5	1186.7	1189.9	1226.6	1295.3	1403.2	1534.7
20°	1211.5	1214.8	1197.1	1189.9	1207.6	1210.2	1246.2	1303.8	1409.1	1552.4
22.5°	1322.7	1324.7	1281.5	1252.1	1253.4	1254.7	1286.1	1338.4	1432.0	1584.4
25°	1496.1	1494.8	1426.1	1369.2	1336.5	1329.3	1350.2	1394.7	1470.6	1626.9
27.5°	1698.9	1689.1	1620.4	1535.3	1464.0	1453.6	1449.0	1468.0	1525.5	1683.2
30°	1927.9	1918.7	1844.8	1733.6	1634.8	1617.8	1574.6	1564.8	1607.3	1759.7
32.5°	2179.1	2173.2	2084.9	1950.1	1818.0	1798.3	1725.7	1699.5	1732.9	1875.5
35°	2389.7	2384.5	2311.2	2172.5	2010.9	1986.7	1912.8	1883.4	1900.4	2024.0
37.5°	2580.1	2577.4	2514.6	2405.4	2238.6	2209.1	2126.1	2116.3	2113.0	2219.6
40°	2756.7	2750.1	2684.7	2627.2	2503.5	2476.7	2403.4	2394.9	2370.1	2460.4
42.5°	2952.3	2935.3	2840.4	2813.6	2780.2	2758.0	2714.2	2715.5	2660.5	2731.8
45°	3111.9	3102.1	3004.6	2988.9	3024.9	3015.7	3053.7	3063.5	2956.9	3016.4
47.5°	3283.3	3274.1	3191.7	3180.6	3278.1	3280.7	3414.8	3418.1	3246.0	3312.1
50°	3494.6	3481.5	3399.7	3413.5	3522.7	3532.5	3777.9	3755.6	3512.3	3612.4
52.5°	3633.9	3641.8	3624.1	3646.4	3795.5	3804.7	4135.0	4078.1	3775.9	3908.7
55°	3736.6	3752.3	3807.3	3858.3	4083.4	4092.5	4471.9	4384.9	3994.4	4183.4
57.5°	3868.8	3846.5	3949.3	4048.7	4356.8	4381.0	4799.7	4680.6	4188.0	4420.3
60°	4058.5	4042.8	4122.6	4269.8	4663.0	4701.6	5146.4	4946.9	4330.0	4608.0
62.5°	4443.2	4403.9	4416.3	4546.5	5048.9	5099.9	5537.6	5179.1	4400.6	4681.3
65°	5018.2	4950.8	4888.0	4978.3	5592.5	5642.9	5979.2	5361.6	4374.5	4539.3
67.5°	5742.3	5675.6	5598.4	5683.5	6393.2	6433.2	6524.1	5464.3	4168.4	3992.4
70°	6339.6	6314.7	6407.0	6757.0	7672.2	7673.5	7222.7	5379.3	3603.8	2830.6
72.5°	6260.4	6245.4	6731.5	7813.5	9284.0	9249.4	7884.1	4735.6	2427.6	1276.9
75°	5135.9	5233.4	5986.4	7794.5	9863.0	9858.4	7479.2	3010.5	1004.2	529.2
77.5°	2754.1	2908.5	3886.5	5754.8	7699.6	7815.4	5258.3	1053.2	431.1	338.9
80°	898.2	1032.9	1549.1	2930.0	5003.1	4981.5	2253.6	413.4	295.0	240.1
82.5°	381.4	397.1	692.1	1383.6	2567.6	2527.7	717.6	237.5	207.4	164.2
85°	149.2	166.8	305.5	639.8	1112.1	1087.9	259.1	117.8	132.8	107.3
87.5°	49.1	59.5	109.2	219.1	346.1	333.6	63.5	40.6	57.6	49.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940399
 CATALOG NUMBER: GALN-SB3B-940-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1612.5	0°	1612.5	1612.5	1612.5	1612.5	1612.5	1612.5	1612.5	1612.5	1612.5	1612.5
1617.1	2.5°	1626.3	1636.7	1649.2	1667.5	1683.2	1696.3	1710.0	1718.5	1721.8	1731.6
1619.7	5°	1638.1	1660.9	1691.7	1721.8	1751.2	1768.9	1784.6	1792.4	1799.6	1804.9
1626.9	7.5°	1657.7	1687.1	1735.5	1774.8	1799.6	1814.0	1824.5	1821.9	1824.5	1825.8
1634.8	10°	1674.7	1715.9	1773.5	1810.8	1829.7	1830.4	1827.8	1818.6	1814.0	1814.7
1646.6	12.5°	1695.0	1740.8	1802.9	1834.3	1839.5	1825.1	1814.0	1798.3	1792.4	1789.8
1664.2	15°	1722.4	1774.8	1835.0	1846.7	1833.7	1815.3	1796.4	1770.9	1757.8	1747.3
1694.3	17.5°	1755.8	1813.4	1859.8	1851.3	1823.2	1793.1	1762.3	1723.7	1696.9	1685.8
1735.5	20°	1802.3	1853.9	1878.8	1841.5	1799.0	1753.2	1700.9	1653.8	1628.9	1617.8
1787.9	22.5°	1858.5	1908.2	1897.1	1824.5	1764.3	1691.0	1625.6	1591.0	1578.5	1570.7
1855.2	25°	1925.9	1968.4	1910.2	1799.6	1707.4	1608.6	1558.2	1547.1	1541.2	1535.3
1937.7	27.5°	2013.5	2036.4	1920.0	1763.0	1618.4	1521.0	1502.6	1504.6	1502.6	1492.8
2052.1	30°	2129.3	2124.8	1929.2	1703.5	1516.4	1441.8	1443.1	1451.6	1452.9	1446.4
2211.8	32.5°	2281.8	2235.3	1933.7	1626.3	1418.9	1372.5	1373.8	1382.9	1389.5	1378.3
2420.4	35°	2466.2	2364.2	1926.5	1529.5	1343.7	1306.4	1296.6	1299.2	1301.2	1290.7
2673.6	37.5°	2681.5	2508.8	1894.5	1422.2	1281.5	1241.6	1220.7	1203.0	1192.6	1182.7
2960.1	40°	2917.6	2666.4	1835.6	1317.5	1212.2	1172.9	1141.5	1108.2	1072.8	1059.8
3263.7	42.5°	3164.9	2828.7	1764.3	1217.4	1132.4	1100.3	1067.0	1018.5	965.6	938.7
3579.0	45°	3421.3	2994.8	1694.3	1118.6	1050.6	1036.9	998.3	940.0	882.5	848.5
3895.0	47.5°	3672.5	3151.8	1591.6	1019.2	974.1	989.1	959.0	905.4	841.3	787.6
4208.3	50°	3912.6	3299.0	1423.5	918.5	911.9	974.7	945.9	868.7	795.5	726.8
4515.8	52.5°	4150.7	3418.1	1208.3	826.9	878.6	970.8	928.9	843.9	754.3	682.3
4804.9	55°	4352.9	3479.6	1000.9	748.4	830.1	937.4	908.6	814.4	696.0	619.5
5003.1	57.5°	4468.0	3429.8	828.2	671.2	763.4	882.5	874.0	751.6	626.7	567.8
5041.7	60°	4418.3	3228.4	686.9	603.8	700.0	823.0	813.8	689.5	573.7	518.1
4835.0	62.5°	4144.2	2844.4	575.0	544.9	642.4	762.1	753.6	641.7	533.2	479.5
4286.2	65°	3592.1	2313.8	488.0	495.9	584.2	688.8	701.3	601.8	501.1	448.8
3316.0	67.5°	2739.7	1676.0	420.0	453.3	527.3	616.9	652.9	573.1	474.3	424.6
1918.7	70°	1561.5	951.8	362.4	412.1	476.9	550.2	615.6	550.2	445.5	404.3
718.9	72.5°	592.0	437.0	313.3	370.9	428.5	493.9	574.4	514.2	412.1	381.4
371.6	75°	316.0	266.2	263.6	322.5	372.9	439.0	522.7	478.9	387.3	403.0
257.1	77.5°	215.2	188.4	220.5	276.1	312.0	378.1	467.7	425.2	335.6	334.3
177.9	80°	149.2	133.5	179.2	222.4	241.4	317.9	408.2	365.0	273.4	255.1
109.9	82.5°	89.6	87.0	134.1	166.2	170.7	245.3	338.2	306.2	223.7	194.9
65.4	85°	49.1	51.7	85.7	97.5	99.4	171.4	264.9	236.8	172.0	144.6
23.6	87.5°	13.7	17.7	31.4	38.6	47.8	89.0	157.7	140.6	86.4	60.2
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>
1612.5
1730.9
1806.2
1827.8
1816.0
1788.5
1750.6
1686.5
1616.5
1572.0
1535.3
1494.8
1449.7
1383.6
1297.9
1189.3
1065.7
942.0
845.8
781.7
720.9
674.5
613.0
560.0
510.3
471.0
440.3
416.7
399.0
376.2
<i>416.1</i>
308.1
244.0
196.3
145.9
60.2
0.0

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