

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: P940872

Luminaire Tested: **GALN-SB4A-927-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940872  
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-SB4A-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

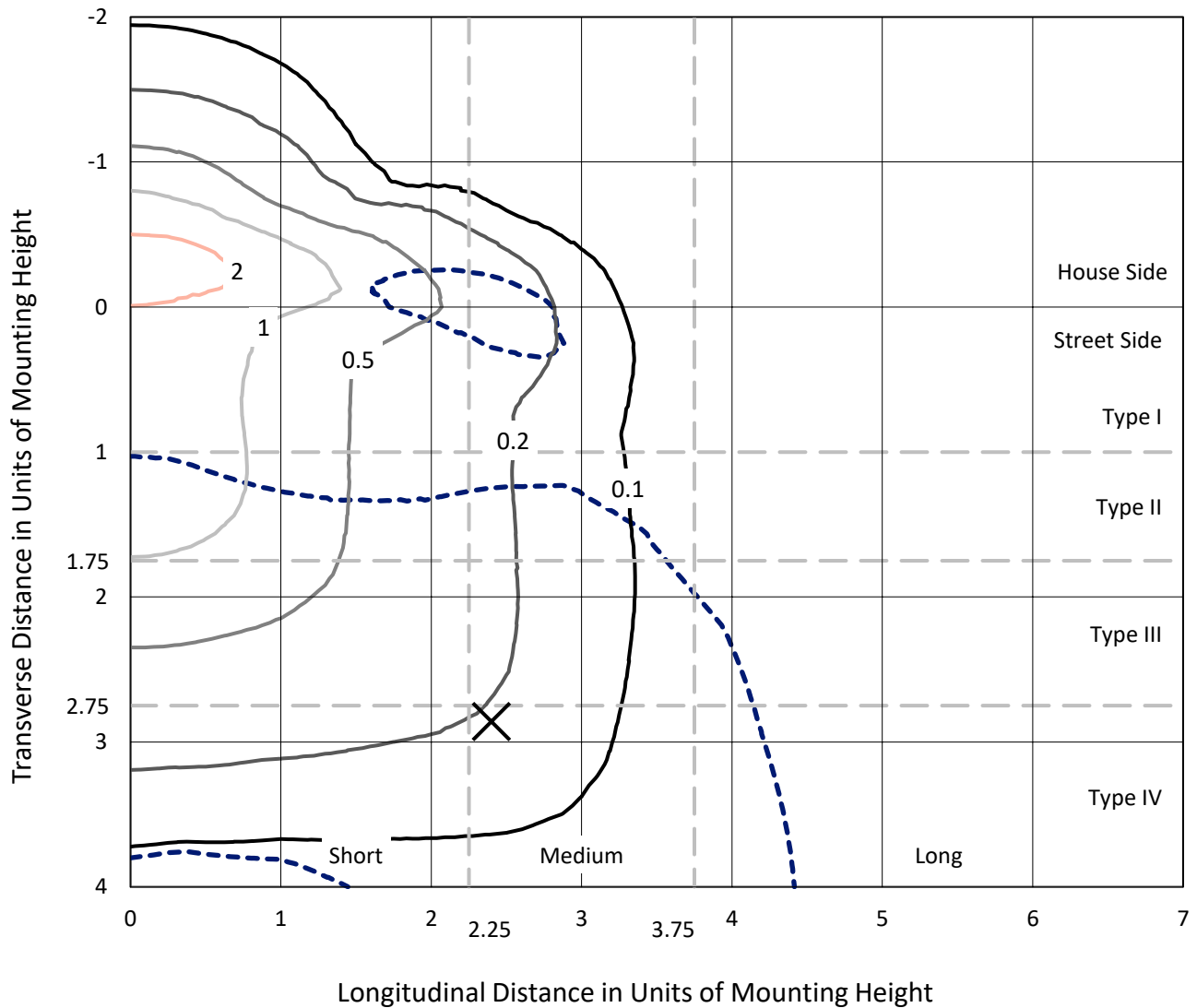
Lumens per Lamp: N/A  
Luminaire Lumens: 10848 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

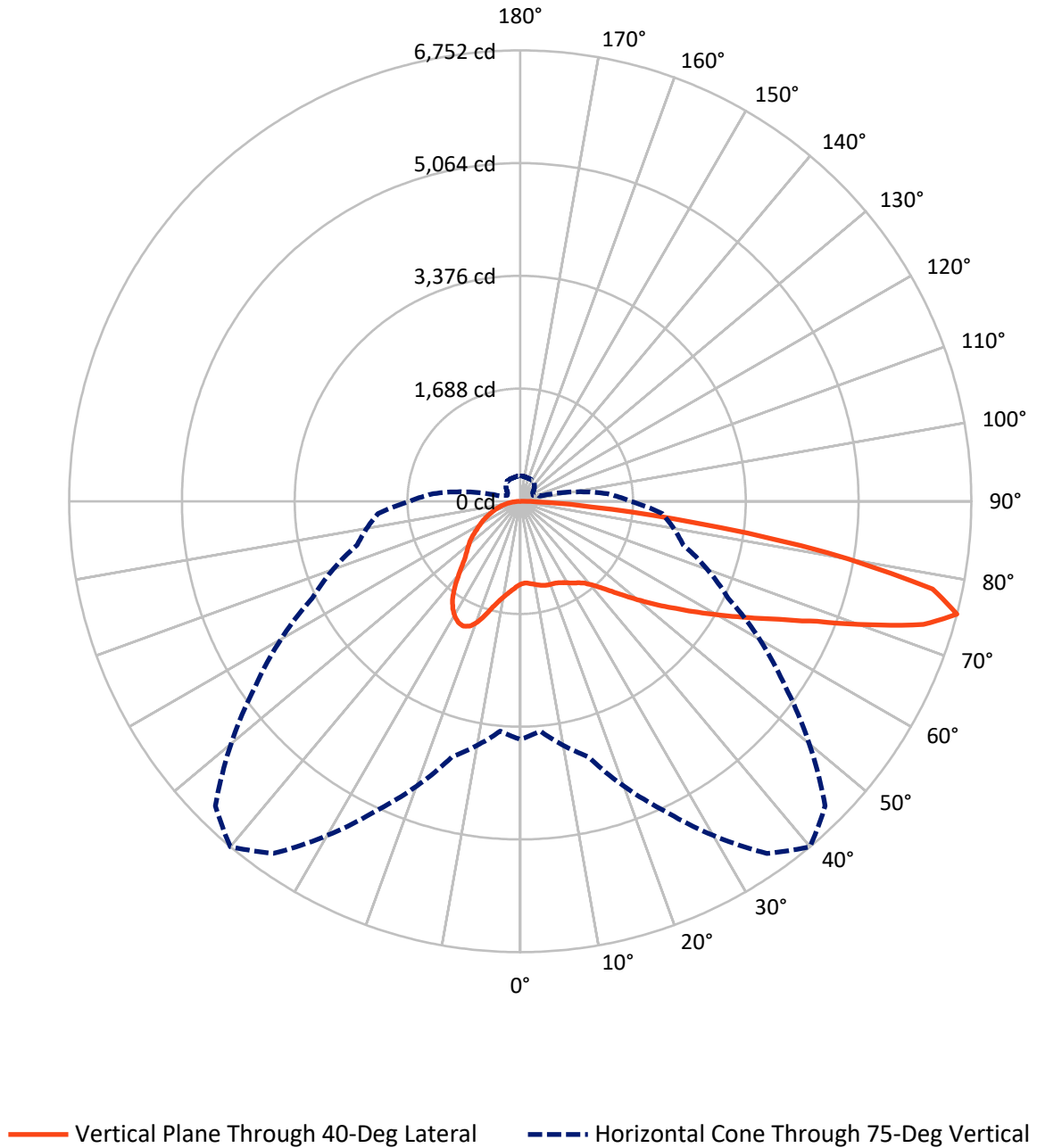
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3361.1	0.0	3361.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	7486.9	0.0	7486.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	10848.0	0.0	10848.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.8	1.1
10°-20°	415.7	3.8
20°-30°	759.1	7.0
30°-40°	1076.6	9.9
40°-50°	1453.7	13.4
50°-60°	1955.7	18.0
60°-70°	2482.2	22.9
70°-80°	2252.7	20.8
80°-90°	328.4	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°	10848.0	100.0
0°-180°	10848.0	100.0

**Coefficient of Utilization**



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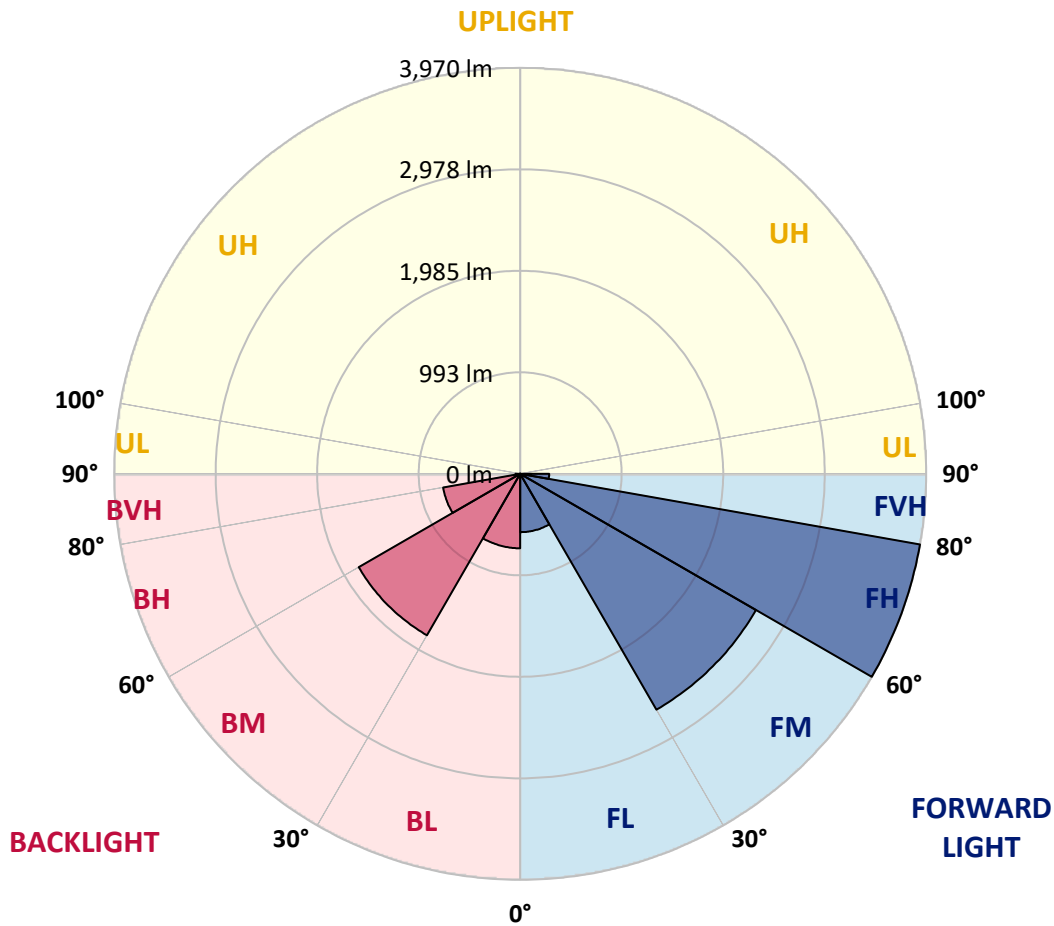
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	570.6	5.3			
FM (30°-60°)	2662.9	24.5			
FH (60°-80°)	3970.2	36.6			G2/5000
FVH (80°-90°)	283.2	2.6			G3/500
BL (0°-30°)	728.0	6.7	B2/1000		
BM (30°-60°)	1823.1	16.8	B2/2500		
BH (60°-80°)	764.7	7.0	B2/1000		G2/1000
BVH (80°-90°)	45.2	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°	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5
2.5°	1221.5	1228.4	1226.7	1224.4	1224.4	1224.4	1224.4	1228.4	1232.4	1236.5
5°	1234.2	1241.1	1237.6	1234.7	1232.4	1232.4	1230.1	1229.6	1231.9	1237.0
7.5°	1258.9	1265.8	1260.6	1255.4	1250.8	1250.8	1246.2	1242.8	1241.1	1243.9
10°	1286.5	1293.4	1287.1	1277.9	1270.4	1270.4	1265.2	1261.8	1259.5	1261.2
12.5°	1314.1	1321.0	1312.4	1299.7	1290.0	1290.0	1285.4	1284.2	1283.6	1283.1
15°	1340.0	1345.8	1334.8	1319.9	1309.5	1309.5	1303.8	1305.5	1308.4	1311.8
17.5°	1360.2	1365.9	1349.8	1330.2	1320.5	1320.5	1317.6	1323.3	1331.4	1340.0
20°	1378.6	1384.3	1363.6	1337.1	1325.6	1325.6	1326.2	1338.3	1349.8	1362.5
22.5°	1404.5	1409.1	1383.7	1347.5	1330.8	1330.8	1336.6	1348.7	1363.0	1380.3
25°	1443.0	1446.5	1415.4	1367.1	1348.1	1348.1	1355.6	1361.3	1375.1	1395.3
27.5°	1505.2	1508.0	1467.2	1401.6	1372.8	1372.8	1384.3	1380.3	1386.6	1403.9
30°	1592.6	1594.3	1542.5	1455.7	1414.8	1414.8	1418.8	1402.2	1390.1	1403.9
32.5°	1696.2	1695.6	1634.0	1521.3	1462.6	1462.6	1449.9	1417.1	1388.9	1401.0
35°	1856.7	1850.4	1771.0	1613.3	1516.7	1516.7	1475.8	1433.8	1394.7	1398.1
37.5°	2122.5	2103.0	1993.1	1764.1	1597.2	1597.2	1517.8	1460.8	1407.3	1397.0
40°	2422.3	2397.5	2276.7	1970.6	1718.0	1718.0	1590.3	1499.4	1428.1	1402.2
42.5°	2777.9	2742.8	2612.7	2214.0	1871.1	1871.1	1682.9	1548.3	1458.5	1418.8
45°	3214.6	3168.0	2983.8	2488.4	2063.8	2063.8	1813.0	1622.5	1505.2	1451.1
47.5°	3655.9	3667.4	3405.6	2802.6	2295.1	2295.1	1975.8	1734.1	1573.0	1502.8
50°	4124.8	4132.8	3825.0	3150.7	2557.5	2557.5	2158.8	1859.0	1667.4	1576.5
52.5°	4490.7	4491.9	4205.9	3514.9	2830.8	2830.8	2356.1	2001.7	1776.7	1674.3
55°	4719.7	4716.8	4472.9	3859.5	3144.9	3144.9	2574.8	2163.9	1910.2	1789.4
57.5°	4886.0	4877.4	4657.0	4155.8	3479.8	3479.8	2822.2	2348.1	2067.9	1926.3
60°	4949.3	4944.1	4781.8	4411.9	3831.9	3831.9	3107.5	2554.0	2246.8	2088.0
62.5°	4973.4	4983.2	4904.4	4659.9	4208.8	4208.8	3421.1	2800.3	2448.2	2271.0
65°	5058.6	5076.4	5060.3	4984.4	4634.6	4634.6	3837.1	3093.2	2668.0	2467.2
67.5°	5227.2	5245.0	5251.9	5372.7	5154.7	5154.7	4356.1	3457.9	2925.1	2670.8
70°	5223.1	5218.0	5339.9	5681.7	5806.0	5806.0	5055.7	3906.7	3231.8	2840.0
72.5°	4754.2	4712.8	5001.1	5678.3	6348.0	6348.0	5910.1	4485.5	3496.5	2860.7
75°	3566.7	3456.2	3965.4	5117.3	6438.3	6751.9	6453.3	4844.6	3433.8	2527.6
77.5°	1525.3	1414.2	2014.3	3788.2	5762.3	6311.7	5955.0	4226.6	2741.0	1671.4
80°	399.3	398.7	608.7	1717.5	3918.8	4661.0	4089.1	2729.5	1566.1	597.2
82.5°	165.1	161.1	223.8	668.0	1914.8	2615.6	2134.6	1217.5	565.6	161.7
85°	61.6	61.0	108.7	230.7	675.5	1078.8	780.8	311.3	141.0	78.8
87.5°	17.3	16.7	23.6	80.0	164.6	249.7	133.5	51.2	39.7	31.1
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°
1240.5	0°	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5	1240.5
1242.8	2.5°	1244.5	1247.4	1252.6	1256.6	1261.8	1267.5	1275.6	1280.8	1285.9	1289.4
1245.7	5°	1249.7	1256.0	1269.3	1282.5	1298.0	1312.4	1329.1	1341.2	1351.0	1353.8
1256.0	7.5°	1261.2	1271.6	1294.0	1316.4	1341.2	1364.8	1388.9	1409.6	1426.3	1432.7
1274.4	10°	1281.3	1295.1	1326.8	1358.4	1391.2	1427.5	1458.5	1488.5	1512.1	1521.8
1296.3	12.5°	1306.7	1323.9	1365.3	1409.1	1454.5	1504.6	1544.9	1581.7	1611.0	1624.3
1326.8	15°	1339.4	1361.9	1414.8	1473.5	1540.2	1609.9	1661.1	1701.9	1734.7	1750.8
1358.4	17.5°	1375.1	1405.0	1471.8	1560.4	1655.9	1747.4	1807.2	1837.1	1871.1	1886.6
1387.8	20°	1409.6	1446.5	1542.0	1670.9	1798.0	1895.2	1943.6	1951.6	1953.9	1955.7
1415.4	22.5°	1445.3	1494.8	1630.0	1810.1	1946.5	2013.8	2020.7	1986.2	1937.8	1915.4
1442.4	25°	1484.4	1550.0	1745.1	1963.7	2074.2	2082.2	2029.3	1945.3	1853.8	1811.8
1464.3	27.5°	1522.4	1613.9	1883.2	2110.4	2166.2	2095.5	1981.6	1862.5	1752.0	1707.7
1479.8	30°	1560.4	1687.0	2035.6	2238.7	2208.2	2062.7	1906.2	1773.3	1662.2	1615.6
1493.6	32.5°	1598.9	1772.1	2211.1	2331.4	2200.8	1993.1	1812.4	1673.2	1575.3	1526.4
1505.7	35°	1642.7	1876.8	2377.4	2382.0	2150.7	1890.6	1688.7	1553.5	1468.3	1429.2
1520.1	37.5°	1699.6	2009.7	2524.1	2394.7	2063.3	1740.5	1535.1	1411.9	1341.7	1323.9
1541.4	40°	1770.4	2169.7	2636.3	2374.5	1933.8	1558.1	1367.1	1268.7	1229.0	1233.0
1570.2	42.5°	1862.5	2348.6	2715.1	2322.7	1753.7	1369.9	1219.8	1176.0	1195.0	1211.1
1613.3	45°	1982.1	2534.5	2764.0	2234.7	1550.0	1210.6	1132.9	1143.2	1157.6	1159.4
1682.9	47.5°	2135.2	2722.6	2796.3	2101.8	1342.3	1098.4	1077.7	1080.0	1077.1	1065.0
1787.1	50°	2326.2	2905.6	2825.0	1925.7	1165.7	1028.2	1000.6	992.5	952.8	913.7
1925.7	52.5°	2543.7	3073.6	2837.1	1707.1	1028.2	969.5	924.6	874.0	799.8	787.7
2100.1	55°	2785.3	3228.9	2806.0	1438.4	912.5	894.1	826.2	765.2	757.2	746.8
2329.6	57.5°	3074.2	3396.4	2742.8	1138.6	794.0	806.1	739.9	746.8	732.4	716.3
2624.8	60°	3390.0	3569.6	2631.7	865.3	671.4	696.2	717.5	716.9	712.9	699.6
2936.1	62.5°	3674.3	3683.5	2413.1	662.8	563.9	611.0	669.1	668.6	665.1	657.6
3261.2	65°	3843.4	3666.2	2048.3	521.9	475.3	540.8	603.6	608.2	608.7	608.2
3505.7	67.5°	3813.5	3464.3	1547.7	415.4	402.2	469.5	538.5	544.9	549.5	550.6
3536.8	70°	3475.2	3020.7	1009.2	331.4	337.2	406.8	477.0	483.3	487.3	491.9
3069.0	72.5°	2708.8	2220.9	577.7	268.1	280.2	352.7	416.0	423.5	425.8	434.4
2135.7	75°	1650.7	1306.1	311.8	211.2	230.1	301.5	355.6	364.2	368.2	378.6
1048.9	77.5°	784.8	565.6	177.8	164.6	185.3	246.3	300.3	310.1	299.2	304.9
289.4	80°	265.2	210.0	112.2	125.4	141.5	192.2	240.5	250.3	227.3	226.1
96.1	82.5°	92.6	85.2	71.3	83.4	91.5	137.5	181.8	194.5	169.2	168.6
43.2	85°	36.2	34.5	39.7	45.5	54.7	84.6	119.7	126.0	104.1	84.0
12.7	87.5°	7.5	8.1	9.8	10.4	16.7	29.3	43.2	52.9	42.0	35.7
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>
1240.5
1287.1
1355.0
1433.2
1522.4
1624.3
1749.7
1886.0
1960.3
1921.7
1818.1
1712.9
1620.8
1532.8
1437.8
1336.6
1246.8
1226.1
1170.9
1074.2
918.9
791.7
748.5
713.5
695.0
654.8
608.2
551.8
494.2
437.9
379.7
300.3
223.8
160.5
82.9
32.8
0.0

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