

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: STREETWORKS

Report Number: P847123

Luminaire Tested: **GLAN-SB3A-827-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-827-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 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: 10637 lumens  
Efficiency: N/A  
Efficacy: 125.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

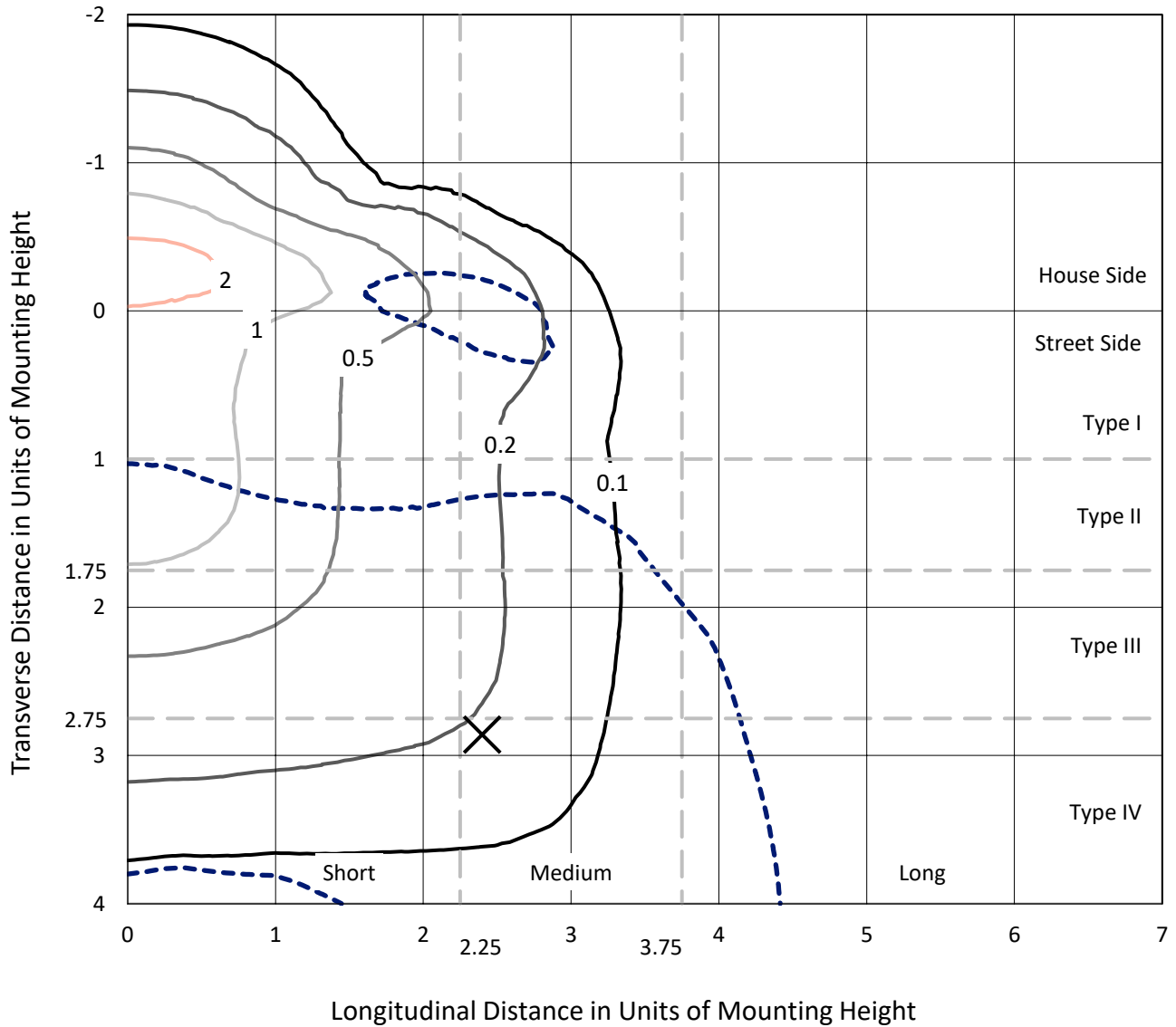
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

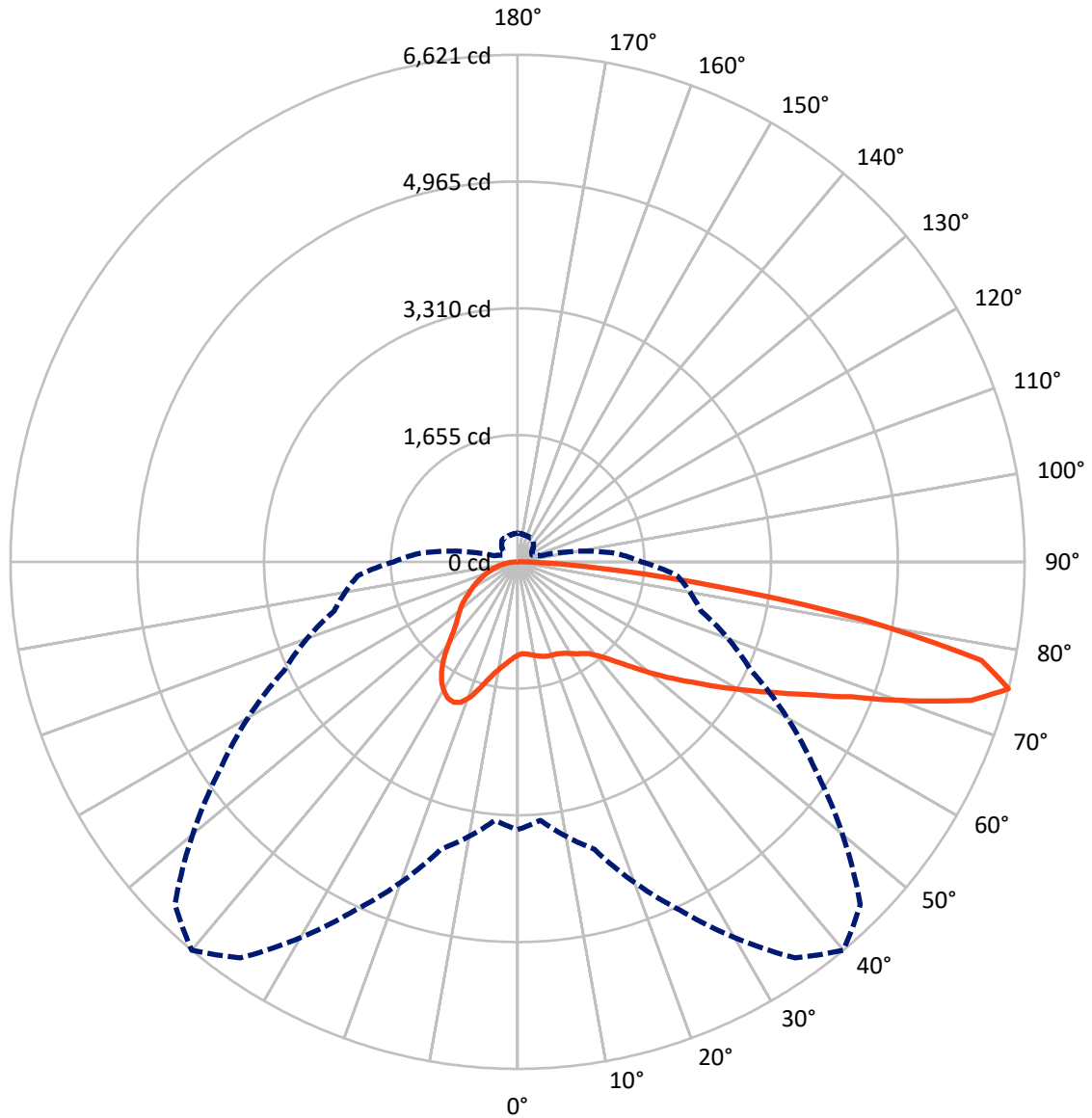
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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
<b>House Side</b>	Lumens	3295.7	0.0	3295.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	7341.3	0.0	7341.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	10637.0	0.0	10637.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.4	1.1
10°-20°	407.6	3.8
20°-30°	744.3	7.0
30°-40°	1055.7	9.9
40°-50°	1425.5	13.4
50°-60°	1917.6	18.0
60°-70°	2433.9	22.9
70°-80°	2208.9	20.8
80°-90°	322.0	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°	10637.0	100.0
0°-180°	10637.0	100.0

**Coefficient of Utilization**



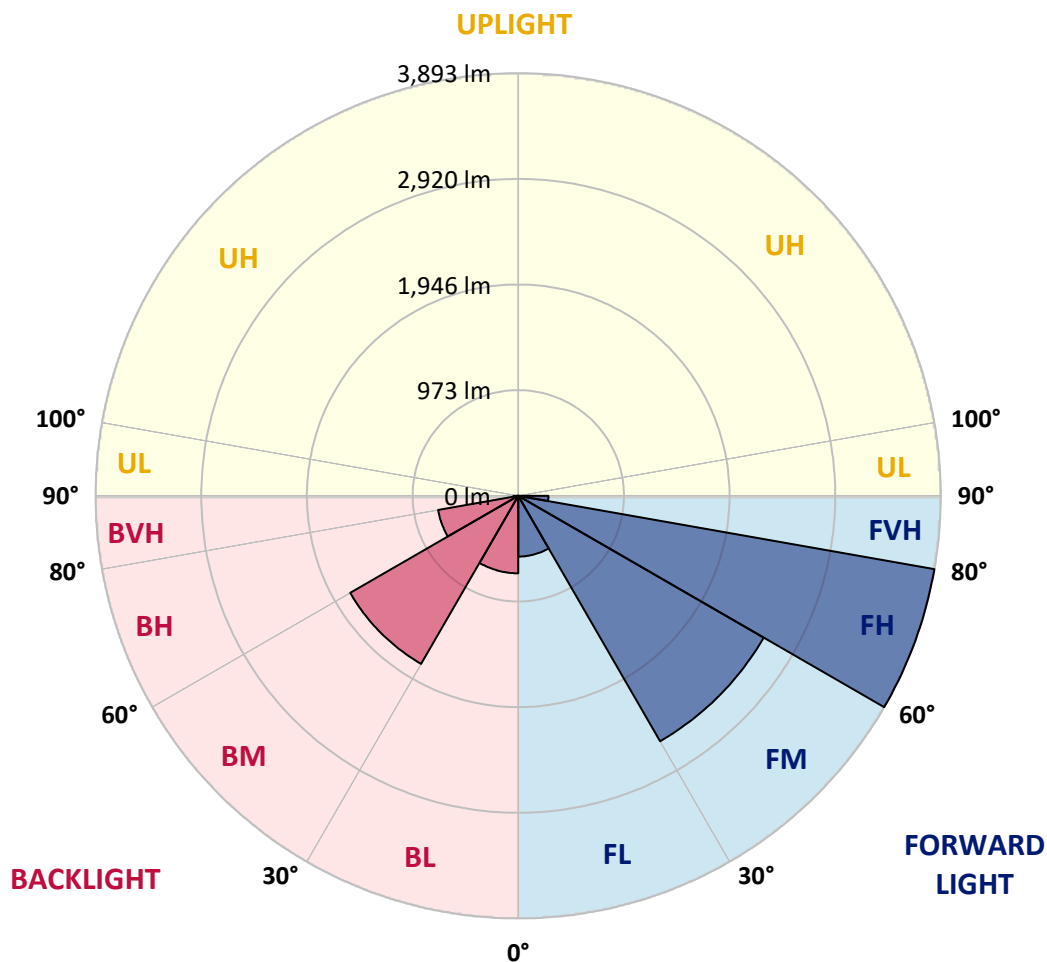
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.5	5.3			
FM (30°-60°)	2611.1	24.5			
FH (60°-80°)	3893.0	36.6			G2/5000
FVH (80°-90°)	277.7	2.6			G3/500
BL (0°-30°)	713.9	6.7	B2/1000		
BM (30°-60°)	1787.6	16.8	B2/2500		
BH (60°-80°)	749.9	7.0	B2/1000		G2/1000
BVH (80°-90°)	44.3	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°	1216.4	1216.4	1216.4	1216.4	1216.4	1216.4	1216.4	1216.4	1216.4	1216.4
2.5°	1197.7	1204.5	1202.8	1200.6	1200.6	1201.1	1200.6	1204.5	1208.5	1212.4
5°	1210.1	1216.9	1213.5	1210.7	1208.5	1207.9	1206.2	1205.6	1207.9	1213.0
7.5°	1234.4	1241.2	1236.1	1231.0	1226.5	1224.3	1222.0	1218.6	1216.9	1219.7
10°	1261.5	1268.3	1262.1	1253.0	1245.7	1242.9	1240.6	1237.2	1235.0	1236.7
12.5°	1288.6	1295.3	1286.9	1274.5	1264.9	1263.2	1260.4	1259.2	1258.7	1258.1
15°	1314.0	1319.6	1308.9	1294.2	1284.1	1281.2	1278.4	1280.1	1282.9	1286.3
17.5°	1333.7	1339.3	1323.5	1304.4	1294.8	1293.6	1292.0	1297.6	1305.5	1314.0
20°	1351.8	1357.4	1337.1	1311.1	1299.9	1299.9	1300.4	1312.3	1323.5	1336.0
22.5°	1377.1	1381.7	1356.8	1321.3	1304.9	1306.1	1310.6	1322.4	1336.5	1353.4
25°	1414.9	1418.3	1387.9	1340.5	1321.9	1325.2	1329.2	1334.8	1348.4	1368.1
27.5°	1475.9	1478.7	1438.6	1374.3	1346.1	1351.8	1357.4	1353.4	1359.7	1376.6
30°	1561.6	1563.3	1512.5	1427.4	1387.3	1390.1	1391.2	1374.9	1363.0	1376.6
32.5°	1663.2	1662.6	1602.2	1491.7	1434.1	1431.3	1421.7	1389.6	1361.9	1373.8
35°	1820.6	1814.4	1736.5	1581.9	1487.2	1469.7	1447.1	1405.9	1367.6	1370.9
37.5°	2081.2	2062.0	1954.3	1729.8	1566.1	1521.6	1488.3	1432.4	1380.0	1369.8
40°	2375.2	2350.9	2232.4	1932.3	1684.6	1613.0	1559.4	1470.2	1400.3	1374.9
42.5°	2723.8	2689.4	2561.9	2170.9	1834.7	1730.9	1650.2	1518.2	1430.2	1391.2
45°	3152.0	3106.3	2925.8	2440.0	2023.7	1885.5	1777.7	1591.0	1475.9	1422.8
47.5°	3584.7	3596.0	3339.3	2748.1	2250.5	2076.2	1937.4	1700.4	1542.4	1473.6
50°	4044.6	4052.4	3750.6	3089.4	2507.7	2291.7	2116.8	1822.8	1635.0	1545.8
52.5°	4403.4	4404.5	4124.1	3446.5	2775.7	2528.6	2310.3	1962.8	1742.2	1641.7
55°	4627.9	4625.1	4385.9	3784.5	3083.8	2777.4	2524.7	2121.9	1873.1	1754.6
57.5°	4790.9	4782.5	4566.4	4075.0	3412.1	3071.4	2767.3	2302.4	2027.6	1888.8
60°	4853.0	4847.9	4688.8	4326.1	3757.4	3396.3	3047.1	2504.4	2203.1	2047.4
62.5°	4876.7	4886.3	4809.0	4569.2	4126.9	3756.3	3354.6	2745.8	2400.6	2226.8
65°	4960.2	4977.7	4961.9	4887.4	4544.4	4177.7	3762.5	3033.0	2616.1	2419.2
67.5°	5125.5	5143.0	5149.8	5268.2	5054.4	4702.9	4271.3	3390.7	2868.3	2618.9
70°	5121.6	5116.5	5236.1	5571.2	5693.1	5430.2	4957.4	3830.7	3169.0	2784.8
72.5°	4661.8	4621.1	4903.8	5567.8	6224.5	6189.5	5795.2	4398.3	3428.5	2805.1
75°	3497.3	3389.0	3888.3	5017.7	6313.1	6620.6	6327.8	4750.3	3367.0	2478.4
77.5°	1495.6	1386.7	1975.2	3714.5	5650.2	6189.0	5839.2	4144.4	2687.7	1638.9
80°	391.5	391.0	596.9	1684.1	3842.6	4570.4	4009.6	2676.4	1535.7	585.6
82.5°	161.9	158.0	219.5	655.0	1877.6	2564.7	2093.1	1193.8	554.6	158.5
85°	60.4	59.8	106.6	226.2	662.3	1057.8	765.6	305.2	138.2	77.3
87.5°	16.9	16.4	23.1	78.4	161.4	244.9	130.9	50.2	38.9	30.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847123  
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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1216.4	0°	1216.4	1216.4	1216.4	1216.4	1216.4	1216.4	1216.4	1216.4	1216.4	1216.4
1218.6	2.5°	1220.3	1223.1	1228.2	1232.2	1237.2	1242.9	1250.8	1255.8	1260.9	1264.3
1221.4	5°	1225.4	1231.6	1244.6	1257.5	1272.8	1286.9	1303.2	1315.1	1324.7	1327.5
1231.6	7.5°	1236.7	1246.8	1268.8	1290.8	1315.1	1338.2	1361.9	1382.2	1398.6	1404.8
1249.6	10°	1256.4	1270.0	1301.0	1332.0	1364.2	1399.7	1430.2	1459.5	1482.6	1492.2
1271.1	12.5°	1281.2	1298.2	1338.8	1381.7	1426.2	1475.3	1514.8	1550.9	1579.7	1592.7
1301.0	15°	1313.4	1335.4	1387.3	1444.8	1510.3	1578.6	1628.8	1668.8	1701.0	1716.8
1332.0	17.5°	1348.4	1377.7	1443.2	1530.0	1623.7	1713.4	1772.1	1801.4	1834.7	1849.9
1360.8	20°	1382.2	1418.3	1512.0	1638.4	1763.0	1858.4	1905.8	1913.7	1915.9	1917.6
1387.9	22.5°	1417.2	1465.7	1598.3	1774.9	1908.6	1974.6	1981.4	1947.5	1900.1	1878.1
1414.4	25°	1455.6	1519.9	1711.1	1925.5	2033.8	2041.7	1989.8	1907.5	1817.8	1776.6
1435.8	27.5°	1492.8	1582.5	1846.5	2069.4	2124.1	2054.7	1943.0	1826.2	1717.9	1674.5
1451.1	30°	1530.0	1654.2	1996.0	2195.2	2165.3	2022.6	1869.1	1738.8	1629.9	1584.2
1464.6	32.5°	1567.8	1737.7	2168.1	2286.0	2158.0	1954.3	1777.1	1640.6	1544.7	1496.7
1476.4	35°	1610.7	1840.3	2331.2	2335.7	2108.9	1853.9	1655.8	1523.3	1439.8	1401.4
1490.5	37.5°	1666.6	1970.7	2475.0	2348.1	2023.1	1706.6	1505.2	1384.5	1315.6	1298.2
1511.4	40°	1736.0	2127.5	2585.0	2328.3	1896.2	1527.8	1340.5	1244.0	1205.1	1209.0
1539.6	42.5°	1826.2	2303.0	2662.3	2277.6	1719.6	1343.3	1196.0	1153.2	1171.8	1187.6
1581.9	45°	1943.6	2485.2	2710.3	2191.2	1519.9	1187.0	1110.9	1121.0	1135.1	1136.8
1650.2	47.5°	2093.6	2669.7	2741.9	2060.9	1316.2	1077.0	1056.7	1059.0	1056.1	1044.3
1752.3	50°	2280.9	2849.1	2770.1	1888.3	1143.0	1008.2	981.1	973.2	934.3	895.9
1888.3	52.5°	2494.2	3013.8	2781.9	1673.9	1008.2	950.6	906.6	857.0	784.2	772.4
2059.2	55°	2731.2	3166.1	2751.5	1410.4	894.8	876.7	810.2	750.3	742.5	732.3
2284.3	57.5°	3014.4	3330.3	2689.4	1116.5	778.6	790.4	725.5	732.3	718.2	702.4
2573.8	60°	3324.1	3500.1	2580.5	848.5	658.4	682.6	703.5	703.0	699.0	686.0
2879.0	62.5°	3602.8	3611.8	2366.1	649.9	552.9	599.2	656.1	655.6	652.2	644.8
3197.7	65°	3768.7	3594.9	2008.5	511.7	466.0	530.3	591.8	596.3	596.9	596.3
3437.5	67.5°	3739.3	3396.9	1517.6	407.3	394.4	460.4	528.1	534.3	538.8	539.9
3468.0	70°	3407.6	2961.9	989.6	325.0	330.6	398.9	467.7	473.9	477.9	482.4
3009.3	72.5°	2656.1	2177.7	566.4	262.9	274.8	345.8	407.9	415.2	417.5	425.9
2094.2	75°	1618.6	1280.7	305.8	207.1	225.7	295.6	348.7	357.1	361.1	371.2
1028.5	77.5°	769.5	554.6	174.3	161.4	181.7	241.5	294.5	304.1	293.4	299.0
283.8	80°	260.1	205.9	110.0	123.0	138.8	188.4	235.8	245.4	222.8	221.7
94.2	82.5°	90.8	83.5	70.0	81.8	89.7	134.8	178.3	190.7	165.9	165.3
42.3	85°	35.5	33.9	38.9	44.6	53.6	82.9	117.3	123.6	102.1	82.4
12.4	87.5°	7.3	7.9	9.6	10.2	16.4	28.8	42.3	51.9	41.2	35.0
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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180°
1216.4
1262.1
1328.6
1405.4
1492.8
1592.7
1715.6
1849.4
1922.1
1884.3
1782.8
1679.5
1589.3
1503.0
1409.9
1310.6
1222.6
1202.3
1148.1
1053.3
901.0
776.3
734.0
699.6
681.5
642.0
596.3
541.0
484.6
429.3
372.4
294.5
219.5
157.4
81.2
32.2
0.0

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