

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: P852239

Luminaire Tested: **GLAN-SB2B-840-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852239  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-840-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

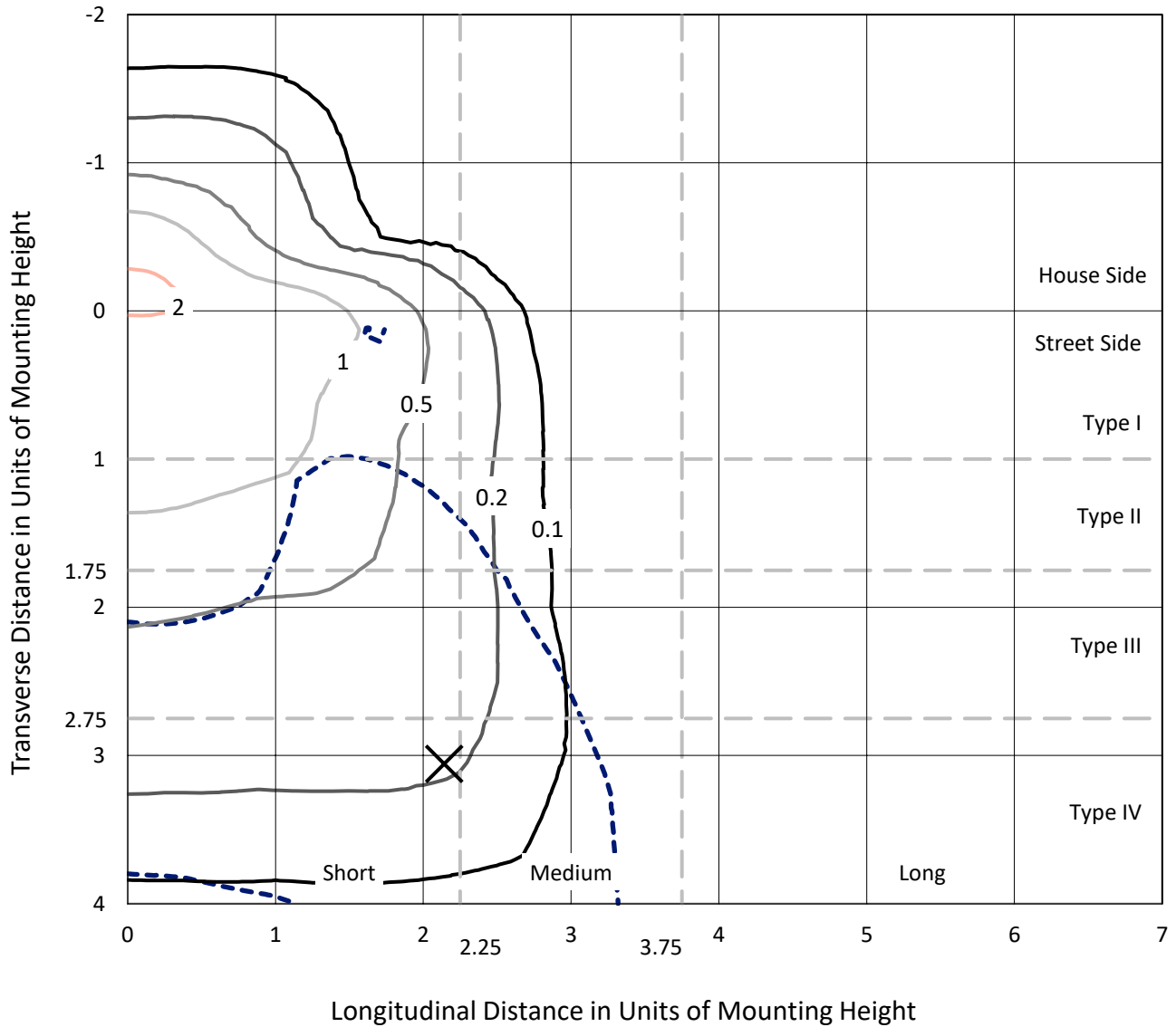
Lumens per Lamp: N/A  
Luminaire Lumens: 9898 lumens  
Efficiency: N/A  
Efficacy: 133.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

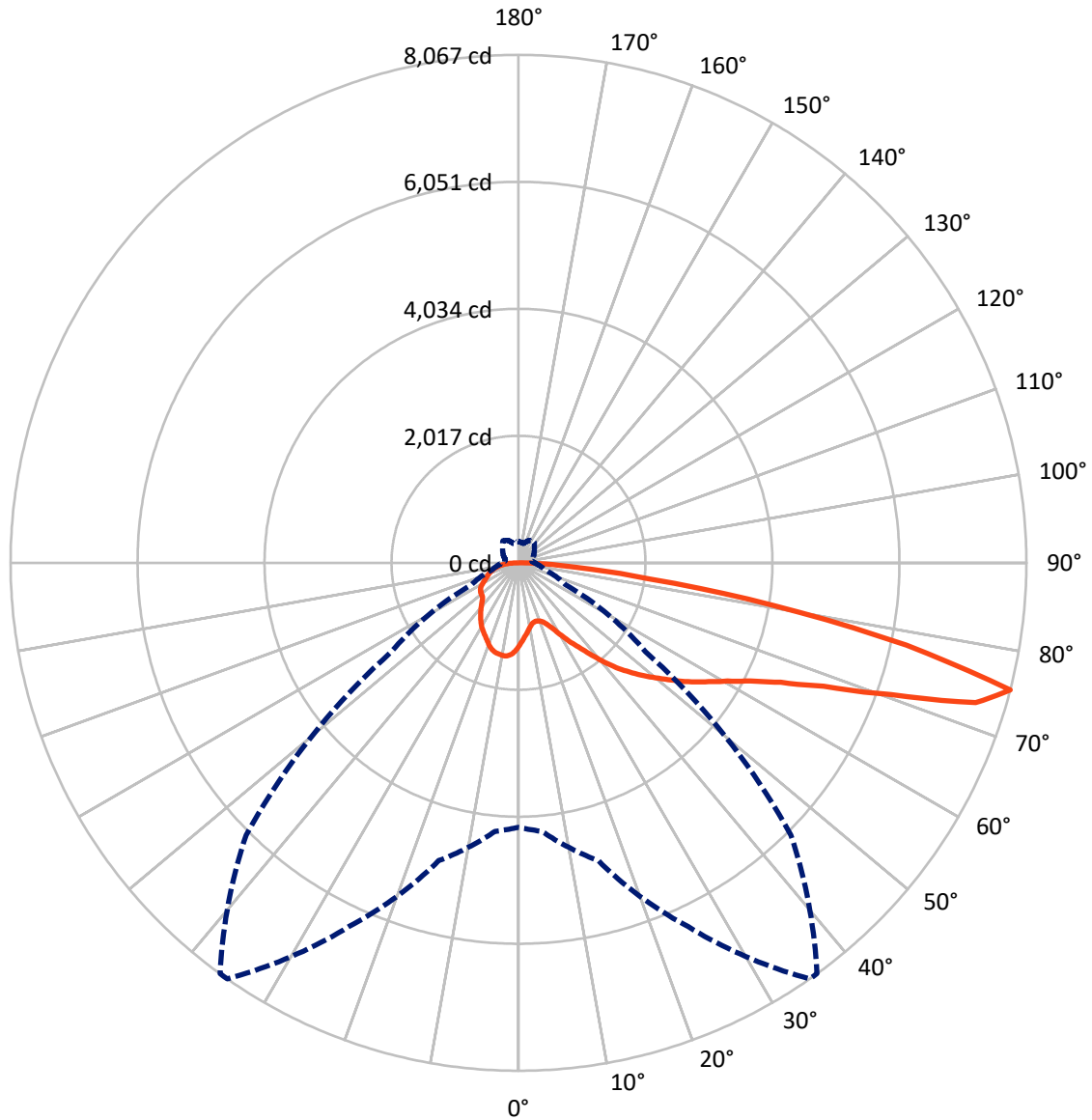
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type IV - Short - N/A

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### 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
<b>House Side</b>	Lumens	2355.5	0.0	2355.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	7542.5	0.0	7542.5
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	9898.0	0.0	9898.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.9	1.3
10°-20°	360.2	3.6
20°-30°	604.9	6.1
30°-40°	940.1	9.5
40°-50°	1395.3	14.1
50°-60°	1926.3	19.5
60°-70°	2337.1	23.6
70°-80°	1931.4	19.5
80°-90°	277.8	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°	9898.0	100.0
0°-180°	9898.0	100.0

**Coefficient of Utilization**



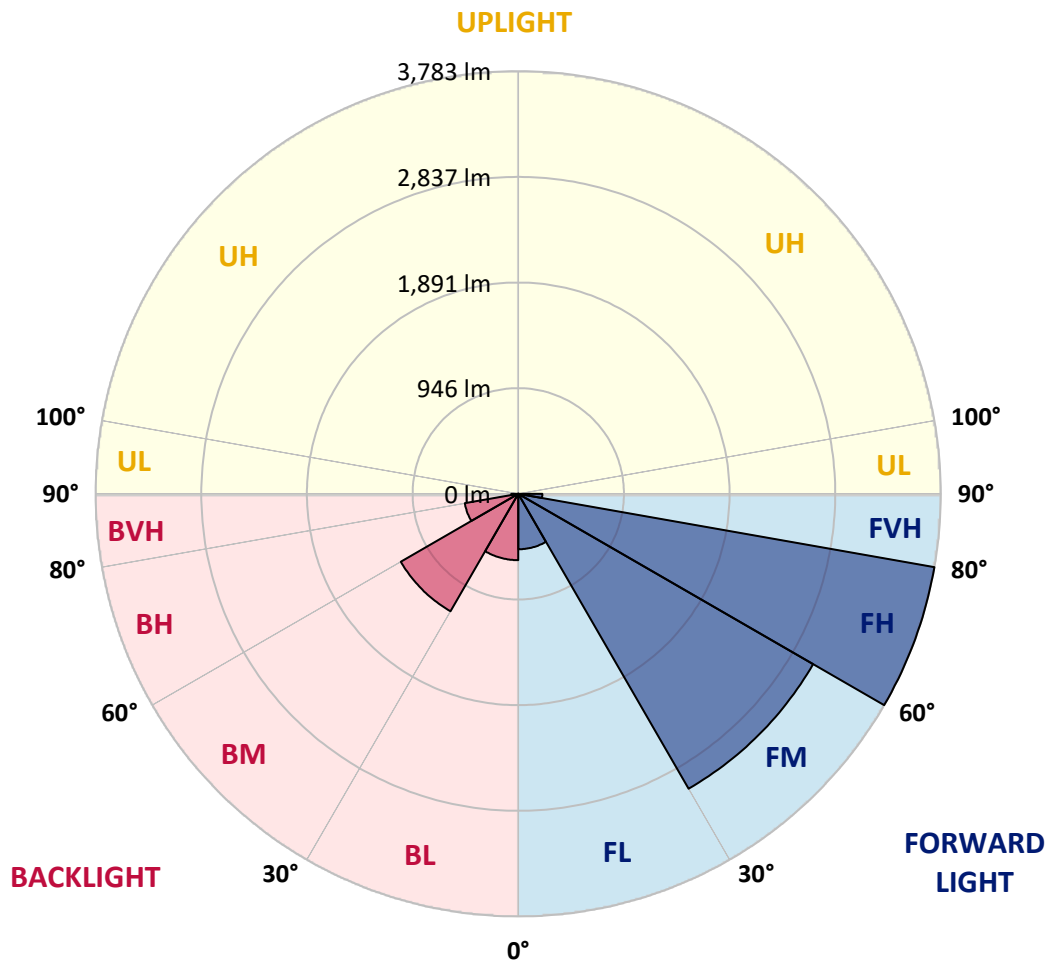
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	496.4	5.0			
FM (30°-60°)	3048.0	30.8			
FH (60°-80°)	3782.9	38.2			G2/5000
FVH (80°-90°)	215.2	2.2			G2/225
BL (0°-30°)	593.6	6.0	B2/1000		
BM (30°-60°)	1213.7	12.3	B2/2500		
BH (60°-80°)	485.6	4.9	B1/500		G1/500
BVH (80°-90°)	62.6	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-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1319.0	1319.0	1319.0	1319.0	1319.0	1319.0	1319.0	1319.0	1319.0	1319.0
2.5°	1216.2	1223.7	1226.9	1225.3	1233.4	1232.3	1243.5	1257.4	1276.7	1295.4
5°	1122.6	1130.6	1137.6	1144.0	1159.5	1164.3	1182.0	1208.7	1244.1	1279.9
7.5°	1035.4	1042.3	1053.0	1064.8	1091.0	1095.8	1125.3	1167.0	1216.2	1268.7
10°	964.2	971.2	982.4	995.8	1028.4	1034.3	1071.8	1127.4	1191.6	1258.0
12.5°	933.7	935.9	942.3	955.7	984.0	987.8	1029.0	1092.6	1167.5	1249.9
15°	932.1	936.4	936.9	943.9	967.4	969.0	1007.0	1070.2	1152.6	1248.3
17.5°	948.2	951.4	946.6	950.8	970.6	973.3	1003.3	1059.5	1147.7	1255.3
20°	991.0	993.6	979.2	973.3	987.8	989.9	1019.3	1066.4	1152.6	1269.7
22.5°	1081.9	1083.5	1048.2	1024.1	1025.2	1026.3	1052.0	1094.8	1171.3	1296.0
25°	1223.7	1222.7	1166.5	1119.9	1093.2	1087.3	1104.4	1140.8	1202.9	1330.7
27.5°	1389.6	1381.6	1325.4	1255.8	1197.5	1189.0	1185.2	1200.7	1247.8	1376.8
30°	1576.9	1569.4	1508.9	1418.0	1337.2	1323.3	1287.9	1279.9	1314.7	1439.4
32.5°	1782.4	1777.5	1705.3	1595.1	1487.0	1470.9	1411.5	1390.1	1417.4	1534.1
35°	1954.7	1950.4	1890.4	1777.0	1644.8	1625.0	1564.6	1540.5	1554.4	1655.5
37.5°	2110.4	2108.2	2056.9	1967.5	1831.0	1807.0	1739.0	1731.0	1728.3	1815.5
40°	2254.8	2249.5	2196.0	2148.9	2047.8	2025.8	1965.9	1958.9	1938.6	2012.4
42.5°	2414.8	2400.9	2323.3	2301.4	2274.1	2255.9	2220.1	2221.1	2176.2	2234.5
45°	2545.4	2537.4	2457.6	2444.8	2474.2	2466.7	2497.8	2505.8	2418.6	2467.3
47.5°	2685.6	2678.1	2610.7	2601.6	2681.3	2683.4	2793.1	2795.8	2655.1	2709.1
50°	2858.4	2847.7	2780.8	2792.1	2881.4	2889.4	3090.1	3071.9	2872.9	2954.7
52.5°	2972.4	2978.8	2964.4	2982.5	3104.5	3112.0	3382.2	3335.7	3088.5	3197.1
55°	3056.4	3069.2	3114.2	3155.9	3340.0	3347.5	3657.8	3586.7	3267.2	3421.8
57.5°	3164.5	3146.3	3230.3	3311.6	3563.6	3583.4	3925.9	3828.5	3425.6	3615.5
60°	3319.6	3306.8	3372.1	3492.5	3814.1	3845.6	4209.5	4046.3	3541.7	3769.1
62.5°	3634.3	3602.2	3612.3	3718.8	4129.8	4171.5	4529.5	4236.2	3599.5	3829.0
65°	4104.6	4049.5	3998.1	4072.0	4574.4	4615.6	4890.6	4385.5	3578.1	3712.9
67.5°	4696.9	4642.4	4579.2	4648.8	5229.3	5262.0	5336.4	4469.5	3409.5	3265.6
70°	5185.5	5165.1	5240.6	5526.9	6275.4	6276.5	5907.8	4400.0	2947.8	2315.3
72.5°	5120.7	5108.4	5506.0	6391.0	7593.9	7565.5	6448.8	3873.5	1985.7	1044.5
75°	4200.9	4280.7	4896.5	6375.5	8067.4	8063.7	6117.6	2462.4	821.3	432.9
77.5°	2252.7	2379.0	3178.9	4707.1	6297.9	6392.6	4301.0	861.5	352.6	277.2
80°	734.7	844.9	1267.1	2396.6	4092.3	4074.6	1843.4	338.2	241.3	196.4
82.5°	312.0	324.8	566.1	1131.7	2100.2	2067.6	587.0	194.2	169.6	134.3
85°	122.0	136.4	249.9	523.3	909.6	889.8	211.9	96.3	108.6	87.8
87.5°	40.1	48.7	89.4	179.3	283.1	272.9	51.9	33.2	47.1	40.1
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°
1319.0	0°	1319.0	1319.0	1319.0	1319.0	1319.0	1319.0	1319.0	1319.0	1319.0	1319.0
1322.7	2.5°	1330.2	1338.8	1348.9	1363.9	1376.8	1387.5	1398.7	1405.7	1408.3	1416.4
1324.9	5°	1339.8	1358.6	1383.7	1408.3	1432.4	1446.9	1459.7	1466.1	1472.0	1476.3
1330.7	7.5°	1355.9	1380.0	1419.6	1451.7	1472.0	1483.8	1492.3	1490.2	1492.3	1493.4
1337.2	10°	1369.8	1403.5	1450.6	1481.1	1496.6	1497.2	1495.0	1487.5	1483.8	1484.3
1346.8	12.5°	1386.4	1423.9	1474.7	1500.4	1504.6	1492.9	1483.8	1470.9	1466.1	1464.0
1361.2	15°	1408.9	1451.7	1500.9	1510.5	1499.8	1484.9	1469.3	1448.5	1437.8	1429.2
1385.9	17.5°	1436.2	1483.2	1521.2	1514.3	1491.3	1466.7	1441.5	1409.9	1388.0	1378.9
1419.6	20°	1474.1	1516.4	1536.8	1506.3	1471.5	1434.0	1391.2	1352.7	1332.4	1323.3
1462.4	22.5°	1520.2	1560.8	1551.7	1492.3	1443.1	1383.2	1329.7	1301.3	1291.2	1284.7
1517.5	25°	1575.3	1610.1	1562.4	1472.0	1396.6	1315.8	1274.6	1265.5	1260.7	1255.8
1584.9	27.5°	1647.0	1665.7	1570.5	1442.0	1323.8	1244.1	1229.1	1230.7	1229.1	1221.1
1678.6	30°	1741.7	1737.9	1578.0	1393.4	1240.3	1179.3	1180.4	1187.3	1188.4	1183.1
1809.1	32.5°	1866.4	1828.4	1581.7	1330.2	1160.6	1122.6	1123.7	1131.2	1136.5	1127.4
1979.8	35°	2017.3	1933.8	1575.8	1251.0	1099.1	1068.6	1060.5	1062.7	1064.3	1055.7
2186.9	37.5°	2193.3	2052.0	1549.6	1163.3	1048.2	1015.6	998.5	984.0	975.5	967.4
2421.2	40°	2386.5	2181.0	1501.4	1077.7	991.5	959.4	933.7	906.4	877.5	866.8
2669.5	42.5°	2588.7	2313.7	1443.1	995.8	926.2	900.0	872.7	833.1	789.8	767.8
2927.4	45°	2798.5	2449.6	1385.9	915.0	859.3	848.1	816.5	768.9	721.8	694.0
3185.9	47.5°	3003.9	2578.0	1301.9	833.7	796.7	809.0	784.4	740.6	688.1	644.2
3442.2	50°	3200.3	2698.4	1164.3	751.3	745.9	797.3	773.7	710.6	650.7	594.5
3693.7	52.5°	3395.1	2795.8	988.3	676.3	718.6	794.1	759.8	690.3	616.9	558.1
3930.2	55°	3560.4	2846.1	818.7	612.1	679.0	766.8	743.2	666.2	569.3	506.7
4092.3	57.5°	3654.6	2805.4	677.4	549.0	624.4	721.8	714.9	614.8	512.6	464.5
4123.9	60°	3613.9	2640.6	561.8	493.9	572.5	673.1	665.6	564.0	469.3	423.8
3954.8	62.5°	3389.7	2326.5	470.3	445.7	525.4	623.4	616.4	524.9	436.1	392.2
3505.9	65°	2938.1	1892.6	399.2	405.6	477.8	563.4	573.6	492.3	409.9	367.1
2712.3	67.5°	2240.9	1370.9	343.5	370.8	431.3	504.6	534.0	468.7	387.9	347.3
1569.4	70°	1277.2	778.5	296.4	337.1	390.1	450.0	503.5	450.0	364.4	330.7
588.1	72.5°	484.2	357.4	256.3	303.4	350.5	404.0	469.8	420.6	337.1	312.0
303.9	75°	258.4	217.8	215.6	263.8	305.0	359.0	427.5	391.7	316.8	329.6
210.3	77.5°	176.0	154.1	180.3	225.8	255.2	309.3	382.6	347.8	274.5	273.4
145.5	80°	122.0	109.2	146.6	181.9	197.4	260.0	333.9	298.6	223.7	208.7
89.9	82.5°	73.3	71.2	109.7	135.9	139.7	200.7	276.6	250.4	183.0	159.5
53.5	85°	40.1	42.3	70.1	79.7	81.3	140.2	216.7	193.7	140.7	118.3
19.3	87.5°	11.2	14.4	25.7	31.6	39.1	72.8	129.0	115.0	70.6	49.2
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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180°
1319.0
1415.8
1477.4
1495.0
1485.4
1462.9
1431.9
1379.4
1322.2
1285.8
1255.8
1222.7
1185.7
1131.7
1061.6
972.8
871.6
770.5
691.9
639.4
589.7
551.7
501.4
458.0
417.4
385.3
360.1
340.8
326.4
307.7
340.3
252.0
199.6
160.5
119.3
49.2
0.0

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