

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: P852157

Luminaire Tested: **GLAN-SB1D-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852157
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-SB1D-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9873 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

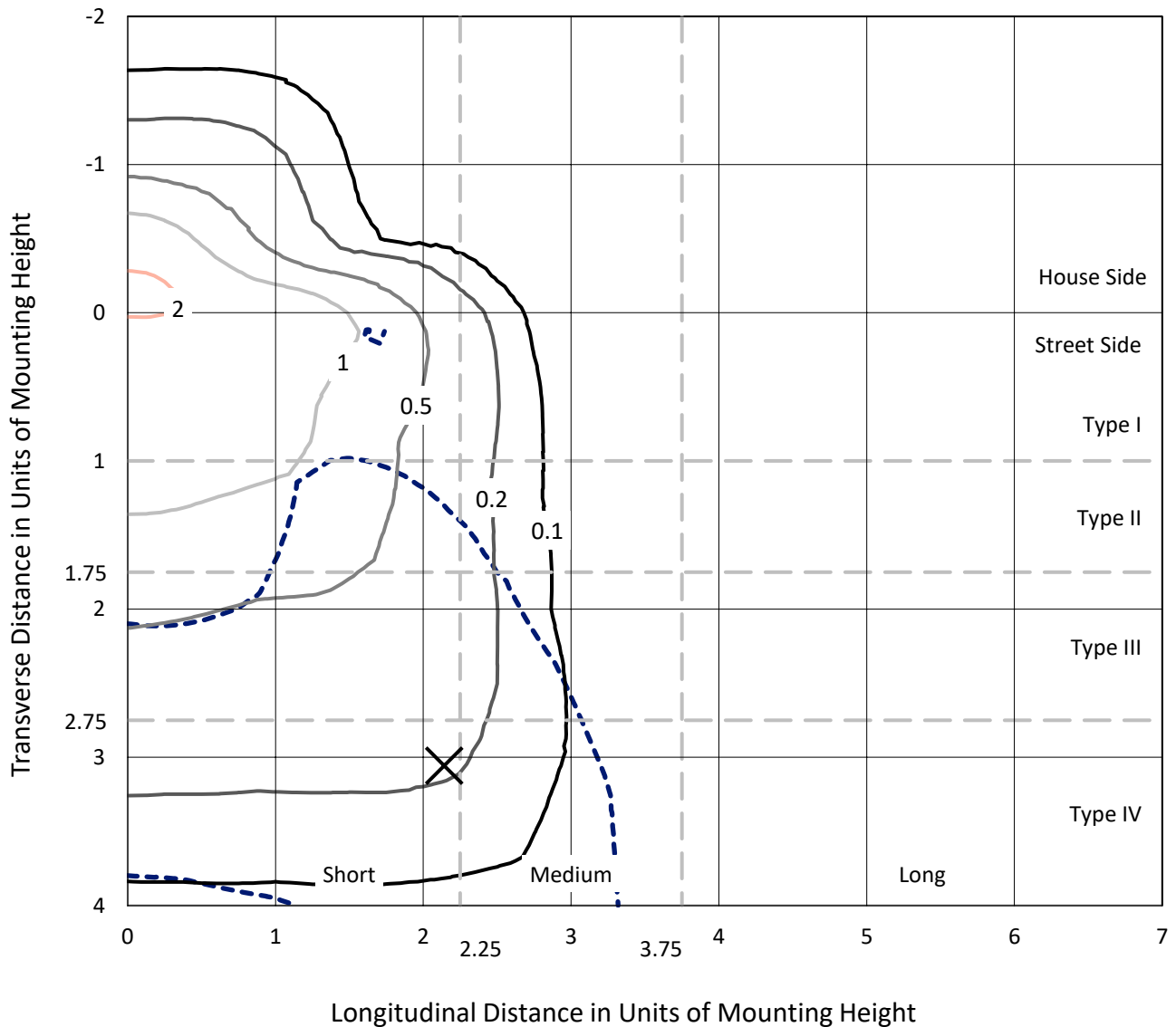
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

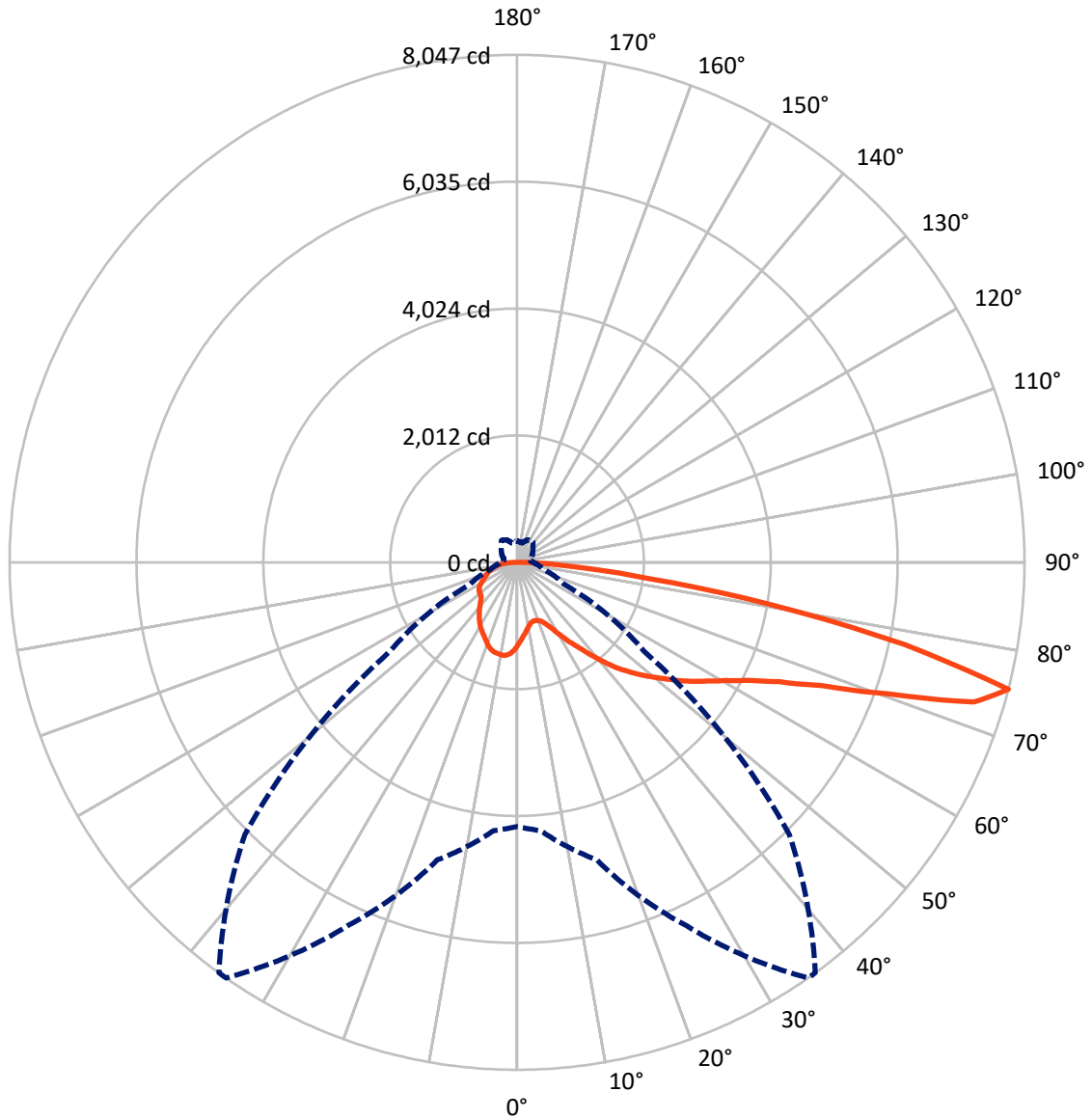
× Max cd
 - - - 1/2 Max cd



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
House Side	Lumens	2349.5	0.0	2349.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	7523.5	0.0	7523.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	9873.0	0.0	9873.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.6	1.3
10°-20°	359.3	3.6
20°-30°	603.4	6.1
30°-40°	937.7	9.5
40°-50°	1391.8	14.1
50°-60°	1921.5	19.5
60°-70°	2331.2	23.6
70°-80°	1926.5	19.5
80°-90°	277.1	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°	9873.0	100.0
0°-180°	9873.0	100.0

Coefficient of Utilization



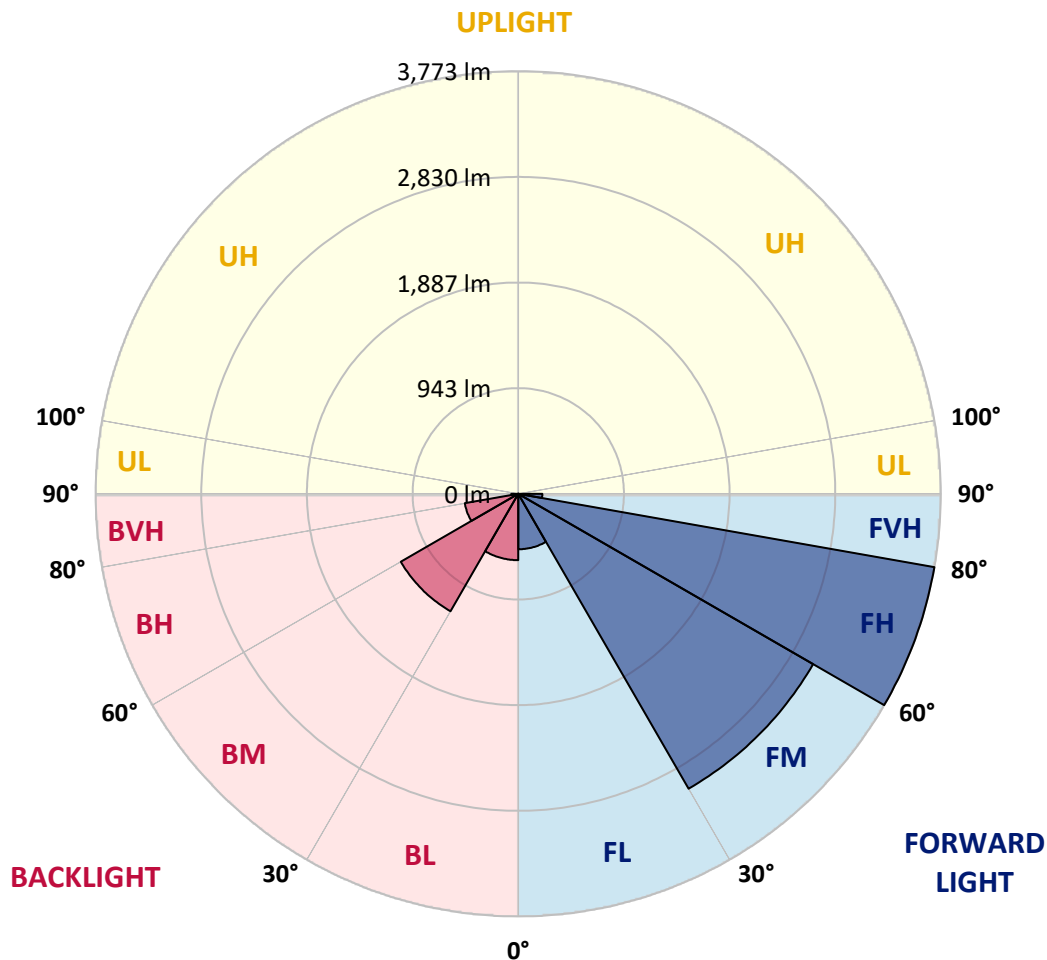
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	495.1	5.0			
FM (30°-60°)	3040.4	30.8			
FH (60°-80°)	3773.3	38.2			G2/5000
FVH (80°-90°)	214.7	2.2			G2/225
BL (0°-30°)	592.1	6.0	B2/1000		
BM (30°-60°)	1210.6	12.3	B2/2500		
BH (60°-80°)	484.4	4.9	B1/500		G1/500
BVH (80°-90°)	62.4	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°	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6
2.5°	1213.2	1220.6	1223.8	1222.2	1230.2	1229.2	1240.4	1254.3	1273.5	1292.2
5°	1119.8	1127.8	1134.7	1141.1	1156.6	1161.4	1179.0	1205.7	1240.9	1276.7
7.5°	1032.8	1039.7	1050.4	1062.1	1088.3	1093.1	1122.4	1164.1	1213.2	1265.5
10°	961.8	968.7	979.9	993.3	1025.8	1031.7	1069.1	1124.6	1188.6	1254.8
12.5°	931.4	933.5	939.9	953.2	981.5	985.3	1026.4	1089.9	1164.6	1246.8
15°	929.8	934.0	934.6	941.5	965.0	966.6	1004.5	1067.5	1149.7	1245.2
17.5°	945.8	949.0	944.2	948.4	968.2	970.9	1000.7	1056.8	1144.9	1252.1
20°	988.5	991.1	976.7	970.9	985.3	987.4	1016.8	1063.7	1149.7	1266.5
22.5°	1079.2	1080.8	1045.6	1021.6	1022.6	1023.7	1049.3	1092.0	1168.3	1292.7
25°	1220.6	1219.6	1163.5	1117.1	1090.4	1084.5	1101.6	1137.9	1199.8	1327.4
27.5°	1386.1	1378.1	1322.0	1252.7	1194.5	1185.9	1182.2	1197.7	1244.7	1373.3
30°	1572.9	1565.4	1505.1	1414.4	1333.8	1319.9	1284.7	1276.7	1311.4	1435.7
32.5°	1777.9	1773.1	1701.0	1591.0	1483.2	1467.2	1408.0	1386.6	1413.9	1530.2
35°	1949.7	1945.4	1885.7	1772.5	1640.7	1620.9	1560.6	1536.6	1550.5	1651.4
37.5°	2105.0	2102.9	2051.7	1962.5	1826.4	1802.4	1734.6	1726.6	1723.9	1810.9
40°	2249.1	2243.8	2190.4	2143.5	2042.6	2020.7	1960.9	1954.0	1933.7	2007.4
42.5°	2408.7	2394.8	2317.5	2295.6	2268.4	2250.2	2214.4	2215.5	2170.7	2228.9
45°	2539.0	2530.9	2451.4	2438.6	2468.0	2460.5	2491.5	2499.5	2412.5	2461.0
47.5°	2678.8	2671.3	2604.1	2595.0	2674.5	2676.7	2786.1	2788.7	2648.4	2702.3
50°	2851.2	2840.5	2773.8	2785.0	2874.1	2882.1	3082.3	3064.1	2865.6	2947.3
52.5°	2964.9	2971.3	2956.9	2975.0	3096.7	3104.2	3373.7	3327.3	3080.7	3189.0
55°	3048.7	3061.5	3106.3	3147.9	3331.5	3339.0	3648.6	3577.6	3259.0	3413.2
57.5°	3156.5	3138.3	3222.1	3303.3	3554.6	3574.4	3916.0	3818.8	3416.9	3606.4
60°	3311.3	3298.5	3363.6	3483.7	3804.4	3835.9	4198.9	4036.1	3532.8	3759.6
62.5°	3625.1	3593.1	3603.2	3709.4	4119.3	4161.0	4518.0	4225.5	3590.4	3819.4
65°	4094.2	4039.3	3988.0	4061.7	4562.9	4604.0	4878.3	4374.4	3569.1	3703.6
67.5°	4685.1	4630.6	4567.7	4637.0	5216.1	5248.7	5322.9	4458.2	3400.9	3257.4
70°	5172.4	5152.1	5227.3	5512.9	6259.6	6260.7	5892.9	4388.9	2940.3	2309.4
72.5°	5107.8	5095.5	5492.1	6374.9	7574.7	7546.4	6432.5	3863.7	1980.7	1041.8
75°	4190.3	4269.8	4884.2	6359.4	8047.0	8043.3	6102.1	2456.2	819.3	431.8
77.5°	2247.0	2373.0	3170.9	4695.2	6282.0	6376.5	4290.1	859.3	351.7	276.5
80°	732.8	842.8	1263.9	2390.6	4082.0	4064.4	1838.7	337.3	240.7	195.9
82.5°	311.2	324.0	564.7	1128.8	2094.9	2062.3	585.5	193.7	169.2	134.0
85°	121.7	136.1	249.3	522.0	907.3	887.6	211.4	96.1	108.3	87.5
87.5°	40.0	48.6	89.1	178.8	282.3	272.2	51.8	33.1	47.0	40.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1315.6	0°	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6	1315.6
1319.4	2.5°	1326.9	1335.4	1345.5	1360.5	1373.3	1384.0	1395.2	1402.1	1404.8	1412.8
1321.5	5°	1336.5	1355.1	1380.2	1404.8	1428.8	1443.2	1456.0	1462.4	1468.3	1472.6
1327.4	7.5°	1352.5	1376.5	1416.0	1448.0	1468.3	1480.0	1488.6	1486.4	1488.6	1489.6
1333.8	10°	1366.3	1400.0	1446.9	1477.4	1492.8	1493.4	1491.2	1483.8	1480.0	1480.6
1343.4	12.5°	1382.9	1420.3	1471.0	1496.6	1500.8	1489.1	1480.0	1467.2	1462.4	1460.3
1357.8	15°	1405.3	1448.0	1497.1	1506.7	1496.0	1481.1	1465.6	1444.8	1434.1	1425.6
1382.4	17.5°	1432.5	1479.5	1517.4	1510.5	1487.5	1463.0	1437.9	1406.4	1384.5	1375.4
1416.0	20°	1470.4	1512.6	1532.9	1502.4	1467.8	1430.4	1387.7	1349.3	1329.0	1319.9
1458.7	22.5°	1516.3	1556.9	1547.8	1488.6	1439.5	1379.7	1326.3	1298.0	1287.9	1281.5
1513.7	25°	1571.3	1606.0	1558.5	1468.3	1393.0	1312.4	1271.3	1262.3	1257.5	1252.7
1580.9	27.5°	1642.8	1661.5	1566.5	1438.4	1320.4	1240.9	1226.0	1227.6	1226.0	1218.0
1674.3	30°	1737.3	1733.6	1574.0	1389.8	1237.2	1176.3	1177.4	1184.3	1185.4	1180.1
1804.5	32.5°	1861.6	1823.8	1577.7	1326.9	1157.7	1119.8	1120.8	1128.3	1133.6	1124.6
1974.8	35°	2012.2	1928.9	1571.8	1247.9	1096.3	1065.9	1057.9	1060.0	1061.6	1053.0
2181.4	37.5°	2187.8	2046.9	1545.7	1160.3	1045.6	1013.0	995.9	981.5	973.0	965.0
2415.1	40°	2380.4	2175.5	1497.6	1074.9	989.0	957.0	931.4	904.1	875.3	864.6
2662.8	42.5°	2582.2	2307.8	1439.5	993.3	923.9	897.7	870.5	831.0	787.8	765.9
2920.0	45°	2791.4	2443.4	1382.4	912.7	857.2	846.0	814.5	767.0	720.0	692.2
3177.8	47.5°	2996.4	2571.5	1298.6	831.6	794.7	807.0	782.4	738.7	686.4	642.6
3433.5	50°	3192.2	2691.6	1161.4	749.4	744.0	795.3	771.8	708.8	649.0	593.0
3684.3	52.5°	3386.5	2788.7	985.8	674.6	716.8	792.1	757.9	688.5	615.4	556.7
3920.2	55°	3551.4	2838.9	816.6	610.6	677.3	764.8	741.4	664.5	567.9	505.4
4082.0	57.5°	3645.4	2798.3	675.7	547.6	622.9	720.0	713.1	613.3	511.3	463.3
4113.5	60°	3604.8	2634.0	560.4	492.6	571.1	671.4	664.0	562.6	468.1	422.7
3944.8	62.5°	3381.2	2320.7	469.1	444.6	524.1	621.8	614.9	523.6	435.0	391.2
3497.0	65°	2930.7	1887.8	398.2	404.6	476.6	562.0	572.2	491.0	408.8	366.1
2705.5	67.5°	2235.3	1367.4	342.7	369.9	430.2	503.3	532.7	467.5	387.0	346.4
1565.4	70°	1274.0	776.6	295.7	336.2	389.1	448.9	502.2	448.9	363.5	329.8
586.6	72.5°	483.0	356.5	255.7	302.6	349.6	403.0	468.6	419.5	336.2	311.2
303.2	75°	257.8	217.2	215.1	263.1	304.2	358.1	426.5	390.7	316.0	328.8
209.8	77.5°	175.6	153.7	179.9	225.2	254.6	308.5	381.6	346.9	273.8	272.7
145.2	80°	121.7	108.9	146.2	181.5	196.9	259.4	333.0	297.8	223.1	208.2
89.7	82.5°	73.1	71.0	109.4	135.6	139.3	200.1	275.9	249.8	182.5	159.1
53.4	85°	40.0	42.2	69.9	79.5	81.1	139.8	216.2	193.2	140.4	118.0
19.2	87.5°	11.2	14.4	25.6	31.5	39.0	72.6	128.6	114.8	70.5	49.1
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°
1315.6
1412.2
1473.6
1491.2
1481.6
1459.2
1428.3
1376.0
1318.8
1282.6
1252.7
1219.6
1182.7
1128.8
1058.9
970.3
869.4
768.6
690.1
637.8
588.2
550.3
500.1
456.9
416.3
384.3
359.2
340.0
325.6
306.9
339.5
251.4
199.1
160.1
119.0
49.1
0.0

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