

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: P852324

Luminaire Tested: **GLAN-SB3A-730-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852324  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3A-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9844 lumens  
Efficiency: N/A  
Efficacy: 116.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

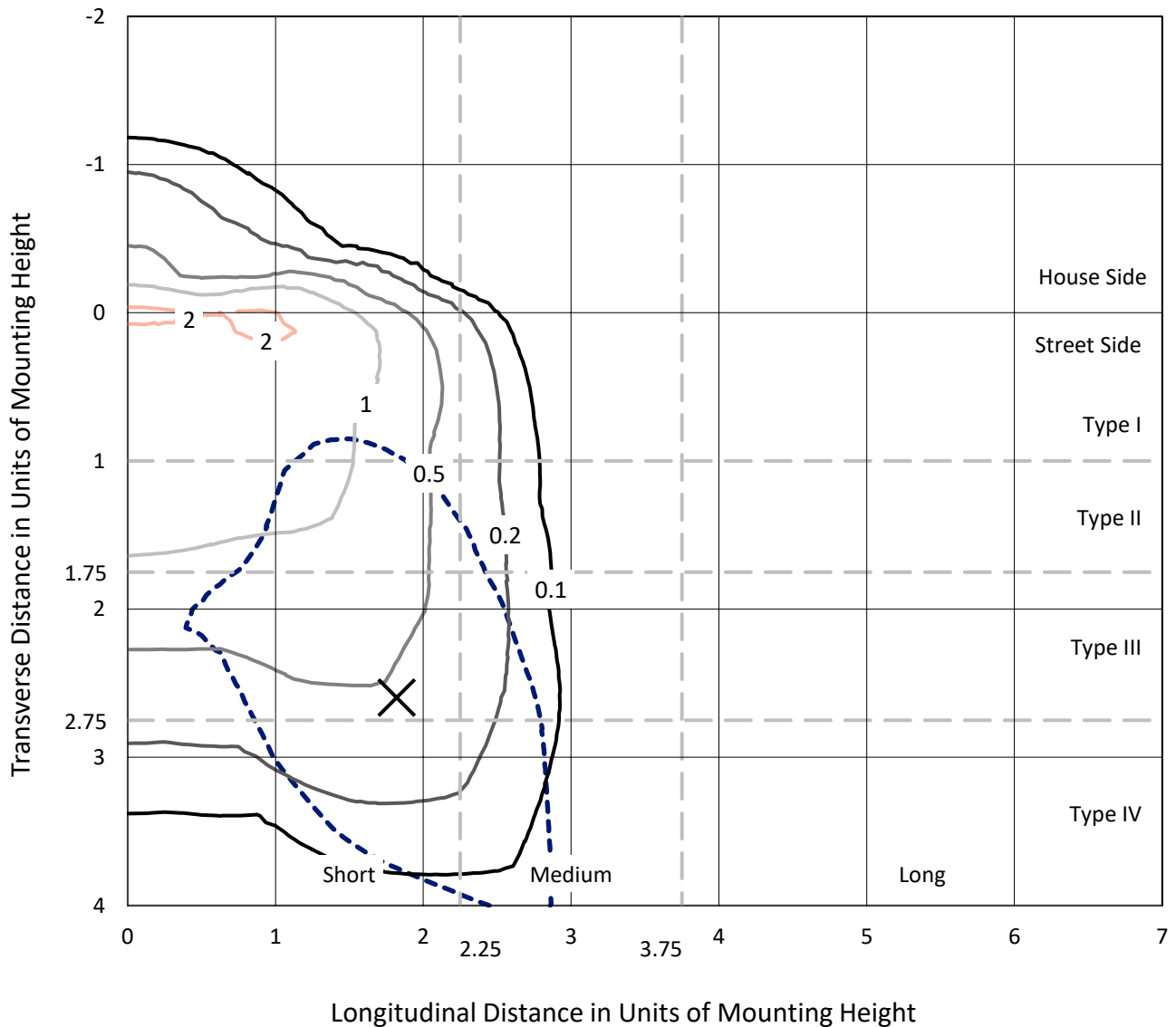
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

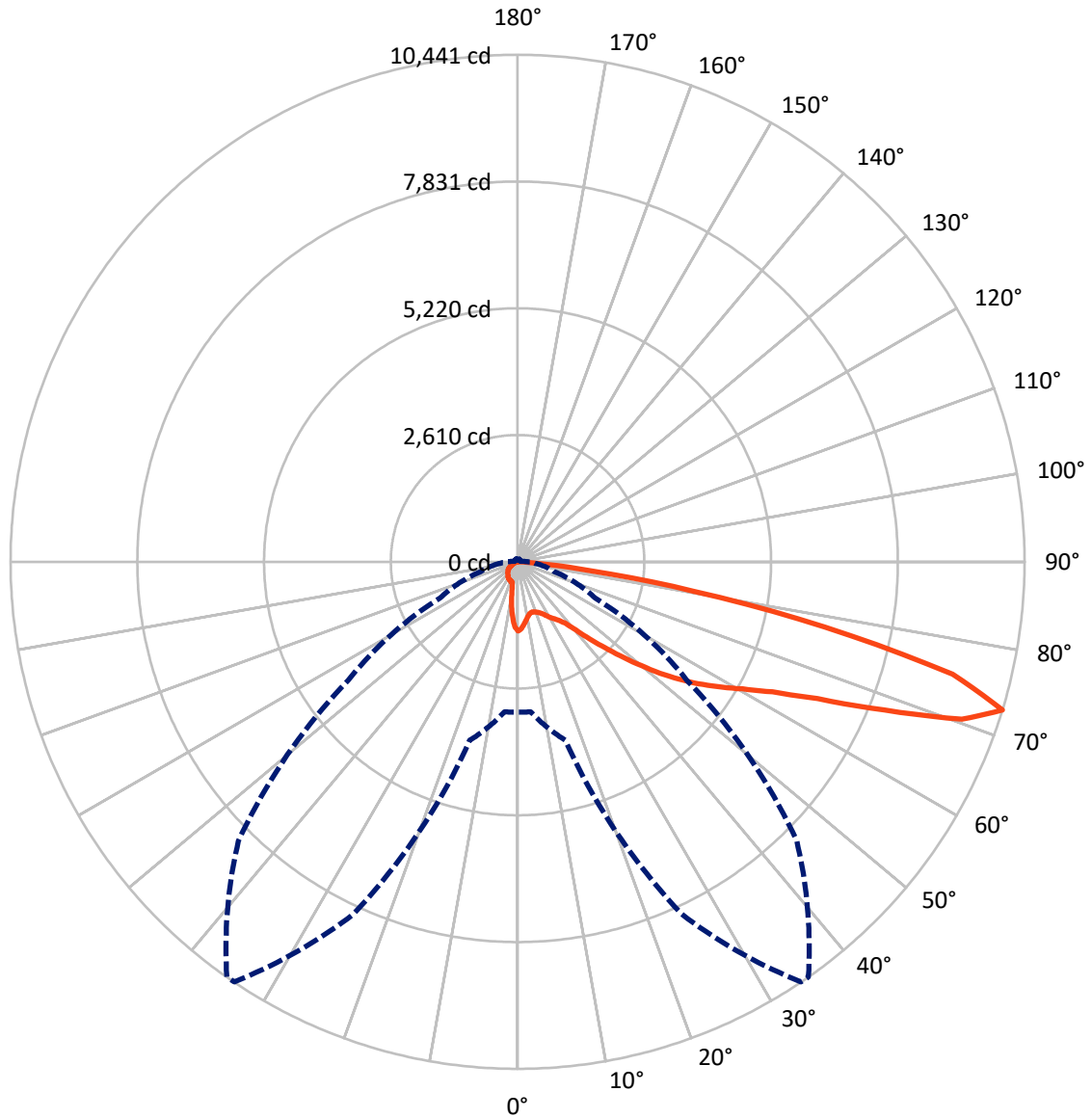
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1107.9	0.0	1107.9
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	8736.1	0.0	8736.1
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	9844.0	0.0	9844.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.2	1.2
10°-20°	274.3	2.8
20°-30°	445.5	4.5
30°-40°	743.4	7.6
40°-50°	1406.5	14.3
50°-60°	2234.9	22.7
60°-70°	2764.7	28.1
70°-80°	1718.6	17.5
80°-90°	138.9	1.4
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°	9844.0	100.0
0°-180°	9844.0	100.0

**Coefficient of Utilization**

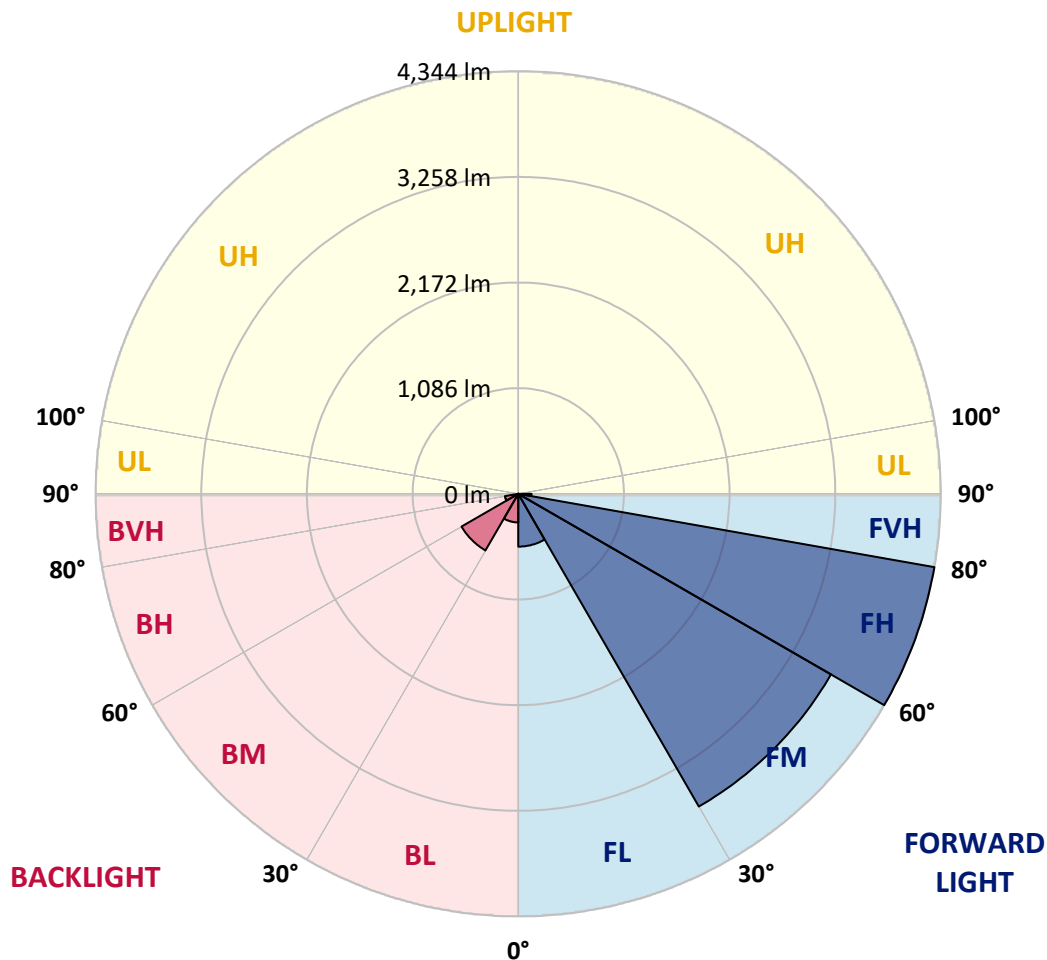


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	542.7	5.5			
FM (30°-60°)	3712.2	37.7			
FH (60°-80°)	4344.3	44.1			G2/5000
FVH (80°-90°)	137.0	1.4			G2/225
BL (0°-30°)	294.4	3.0	B1/500		
BM (30°-60°)	672.6	6.8	B1/1000		
BH (60°-80°)	139.0	1.4	B1/500		G1/500
BVH (80°-90°)	1.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1426.7	1426.7	1426.7	1426.7	1426.7	1426.7	1426.7	1426.7	1426.7	1426.7
2.5°	1363.3	1374.8	1377.0	1380.6	1380.6	1384.9	1392.1	1402.2	1418.8	1427.4
5°	1256.5	1265.2	1276.0	1284.6	1301.2	1303.4	1331.5	1358.9	1397.2	1426.0
7.5°	1149.0	1159.1	1173.6	1194.5	1216.1	1222.6	1265.2	1311.3	1371.9	1426.0
10°	1073.3	1074.0	1087.0	1107.9	1142.5	1150.5	1202.4	1268.0	1343.8	1417.3
12.5°	1030.7	1035.8	1041.6	1057.4	1090.6	1095.7	1151.2	1228.4	1315.6	1412.3
15°	1030.7	1034.3	1037.9	1045.9	1072.6	1076.9	1125.9	1203.1	1301.2	1414.5
17.5°	1041.6	1047.3	1044.4	1053.8	1081.9	1084.8	1128.1	1195.9	1300.5	1428.2
20°	1067.5	1071.8	1066.1	1071.8	1100.0	1105.7	1150.5	1209.6	1312.8	1452.0
22.5°	1108.6	1110.8	1097.1	1101.4	1130.3	1137.5	1189.4	1248.6	1342.3	1490.2
25°	1160.6	1164.9	1144.0	1149.0	1176.4	1185.1	1245.0	1307.0	1389.2	1542.9
27.5°	1220.4	1222.6	1204.6	1203.8	1239.2	1251.5	1312.0	1379.1	1452.0	1609.2
30°	1289.0	1295.4	1278.1	1275.3	1320.0	1330.1	1389.9	1467.8	1544.3	1708.8
32.5°	1343.1	1348.1	1338.0	1345.2	1390.7	1398.6	1484.4	1593.3	1689.3	1850.1
35°	1421.0	1423.8	1400.8	1413.7	1465.7	1485.9	1613.5	1769.3	1871.8	2027.6
37.5°	1703.0	1703.0	1604.9	1540.7	1590.5	1608.5	1790.3	1990.8	2096.8	2265.6
40°	2093.2	2086.7	1943.2	1811.9	1805.4	1840.8	2042.0	2269.9	2387.5	2551.2
42.5°	2509.4	2499.3	2303.8	2174.0	2152.4	2164.6	2332.7	2614.0	2733.7	2899.6
45°	2878.7	2875.8	2696.9	2522.4	2483.4	2522.4	2695.5	3016.5	3102.3	3276.9
47.5°	3188.1	3188.1	3057.6	2943.6	2923.4	2946.5	3186.7	3462.9	3455.0	3678.6
50°	3544.5	3541.6	3417.5	3368.5	3389.4	3421.8	3752.2	3933.2	3820.0	4073.2
52.5°	3794.0	3811.3	3768.8	3760.8	3867.6	3923.9	4326.3	4393.4	4146.7	4447.5
55°	3991.7	4011.9	4060.9	4116.4	4322.0	4395.6	4882.5	4829.8	4420.1	4772.1
57.5°	4271.5	4242.7	4318.4	4428.0	4760.6	4849.3	5421.3	5241.7	4640.1	5035.4
60°	4611.3	4615.6	4628.6	4767.1	5198.4	5312.4	5952.1	5631.2	4781.5	5196.9
62.5°	5019.5	5026.0	5052.7	5265.5	5786.2	5893.7	6517.6	5950.0	4846.4	5151.5
65°	4991.4	5018.8	5316.7	6044.5	6679.9	6786.0	7177.6	6173.6	4748.3	4736.0
67.5°	4547.1	4591.8	5090.2	6974.9	8027.3	8145.6	7975.4	6217.6	4324.9	3682.9
70°	3964.2	3980.1	4579.5	7811.6	9587.5	9707.2	8689.5	5733.6	3281.9	2054.3
72.5°	3095.8	3099.4	3802.7	8005.7	10434.3	10440.8	8129.0	4256.4	1765.0	789.1
75°	2211.5	2189.9	2546.9	6492.4	9179.9	9253.5	6094.2	1996.6	674.4	372.9
77.5°	1185.8	1209.6	1441.2	3850.3	6341.6	6467.1	3325.2	575.6	343.3	253.9
80°	366.4	386.6	590.7	1762.9	3592.1	3667.8	1232.7	256.1	239.5	181.0
82.5°	115.4	119.7	275.5	740.8	1490.9	1525.5	357.0	145.0	163.7	119.7
85°	33.2	33.9	122.6	276.3	368.6	375.8	100.3	56.3	93.8	74.3
87.5°	3.6	11.5	46.2	46.2	32.5	31.7	10.8	12.3	26.7	9.4
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°
1426.7	0°	1426.7	1426.7	1426.7	1426.7	1426.7	1426.7	1426.7	1426.7	1426.7	1426.7
1433.2	2.5°	1429.6	1430.3	1421.0	1405.1	1387.8	1373.3	1355.3	1340.9	1330.8	1327.9
1446.2	5°	1439.7	1434.7	1408.0	1359.6	1301.9	1252.2	1196.6	1152.6	1123.8	1111.5
1459.9	7.5°	1454.9	1440.4	1382.0	1286.8	1176.4	1078.3	978.8	901.6	852.6	828.0
1472.9	10°	1467.8	1439.0	1338.7	1181.5	1012.7	864.1	730.0	636.9	585.0	560.4
1488.0	12.5°	1480.1	1438.3	1282.5	1056.7	828.0	646.3	521.5	475.3	460.9	455.9
1512.6	15°	1503.2	1440.4	1211.8	913.9	644.1	488.3	442.9	442.2	445.0	443.6
1550.1	17.5°	1534.9	1442.6	1131.7	762.4	497.0	430.6	428.5	434.9	439.3	437.1
1597.0	20°	1576.0	1451.2	1046.6	612.4	427.0	416.2	421.2	427.0	430.6	427.0
1659.7	22.5°	1633.7	1466.4	953.6	491.9	404.6	407.5	411.9	418.4	422.0	416.9
1739.8	25°	1704.4	1490.2	862.0	427.7	393.8	397.4	403.9	411.1	415.5	410.4
1840.8	27.5°	1796.0	1528.4	777.6	413.3	383.0	385.2	394.5	405.4	411.1	404.6
1984.3	30°	1928.7	1591.2	704.7	419.8	376.5	371.5	384.5	399.6	406.1	400.3
2179.8	32.5°	2104.7	1679.9	660.0	429.9	373.6	355.6	367.9	387.3	398.2	394.5
2435.1	35°	2335.6	1814.8	642.7	441.4	371.5	339.0	347.7	368.6	387.3	390.9
2756.8	37.5°	2615.4	2002.3	647.7	446.5	365.0	325.3	329.6	347.7	372.2	383.7
3118.9	40°	2933.5	2220.9	676.6	441.4	357.8	313.8	314.5	328.2	349.8	367.1
3508.4	42.5°	3261.7	2476.2	730.0	422.7	351.3	303.7	301.5	310.9	325.3	337.6
3897.2	45°	3574.0	2738.8	782.6	396.7	343.3	293.6	288.5	292.1	295.0	300.1
4275.8	47.5°	3846.7	2923.4	767.5	372.9	332.5	282.0	273.4	271.9	263.3	262.6
4614.1	50°	4034.9	2963.8	681.6	349.1	316.6	269.0	255.3	246.7	231.5	224.3
4867.3	52.5°	4094.8	2804.4	556.8	325.3	290.7	251.7	232.3	218.6	199.8	193.3
5013.0	55°	4015.5	2492.1	445.0	296.5	254.6	228.7	207.0	189.0	173.8	165.9
5028.9	57.5°	3821.4	2094.6	352.0	262.6	216.4	202.7	181.0	163.0	150.0	142.1
4852.9	60°	3499.7	1663.3	278.4	222.2	184.7	174.6	152.2	140.7	129.1	119.7
4398.5	62.5°	3011.4	1187.3	218.6	176.0	154.4	142.8	129.8	121.2	107.5	94.5
3581.2	65°	2350.0	726.3	168.8	129.1	124.1	118.3	110.4	102.4	85.8	72.9
2336.3	67.5°	1482.3	344.1	120.5	97.4	98.1	95.2	91.6	85.1	72.9	61.3
1046.6	70°	652.8	166.6	79.3	74.3	72.9	72.9	75.7	73.6	62.0	51.2
363.5	72.5°	222.2	89.4	59.1	56.3	52.7	51.9	63.5	61.3	49.8	39.7
181.0	75°	116.1	59.9	43.3	40.4	31.7	38.2	50.5	47.6	35.3	26.0
119.7	77.5°	75.7	42.6	29.6	26.0	18.0	25.2	37.5	33.2	20.9	13.0
78.6	80°	47.6	28.1	17.3	12.3	8.7	13.7	20.2	14.4	7.9	2.9
46.2	82.5°	25.2	14.4	6.5	4.3	3.6	4.3	5.0	3.6	1.4	0.0
23.8	85°	10.1	5.0	2.2	1.4	0.7	0.0	1.4	0.7	0.0	0.0
4.3	87.5°	3.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
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1426.7
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