

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: P846548

Luminaire Tested: **GLAN-SB2B-722-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846548  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2B-722-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8812 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

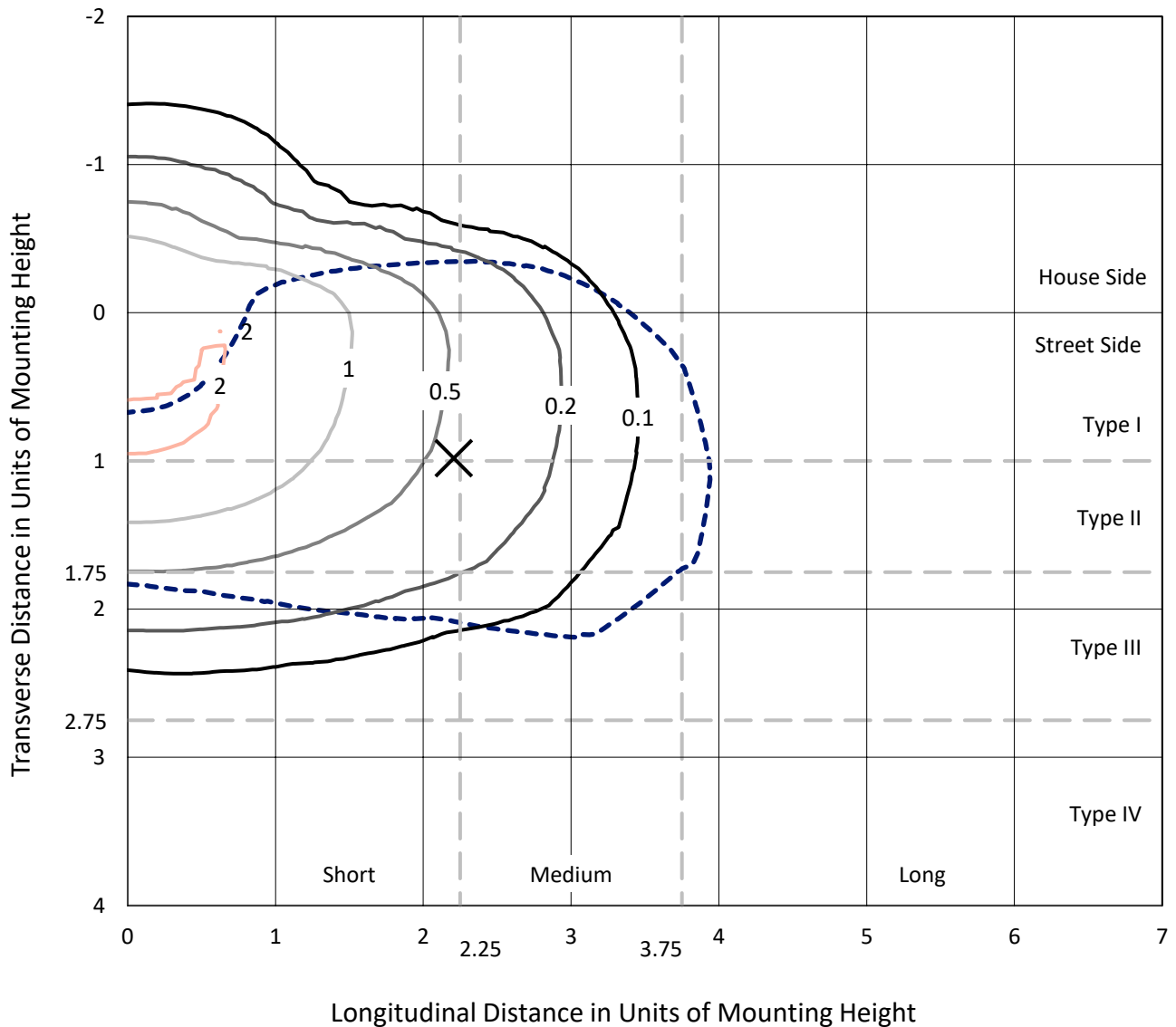
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

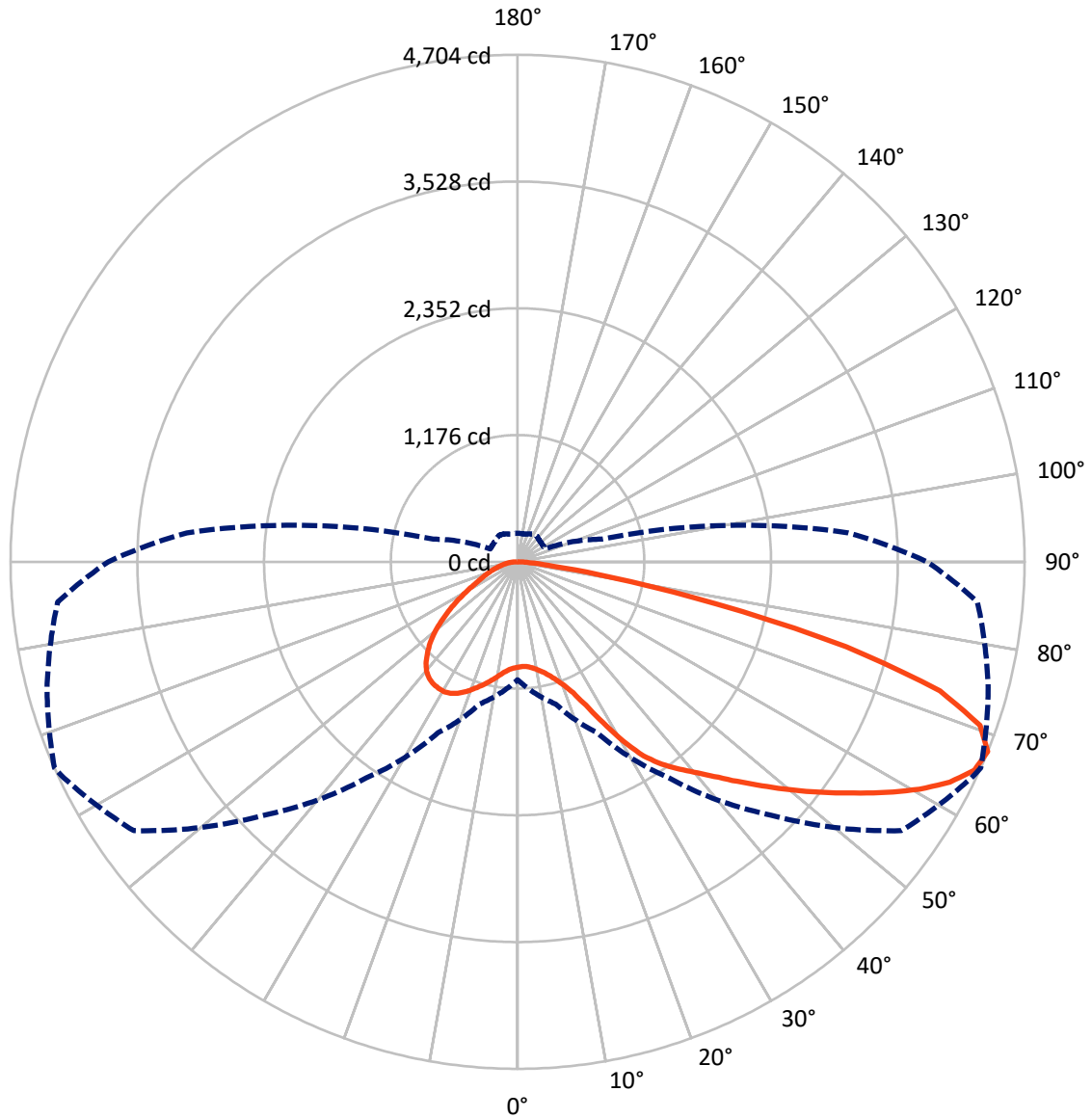
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2191.1	0.0	2191.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	6620.9	0.0	6620.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	8812.0	0.0	8812.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.9	1.1
10°-20°	320.2	3.6
20°-30°	617.1	7.0
30°-40°	1082.0	12.3
40°-50°	1608.5	18.3
50°-60°	2039.0	23.1
60°-70°	1995.1	22.6
70°-80°	951.7	10.8
80°-90°	101.7	1.2
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°	8812.0	100.0
0°-180°	8812.0	100.0

**Coefficient of Utilization**



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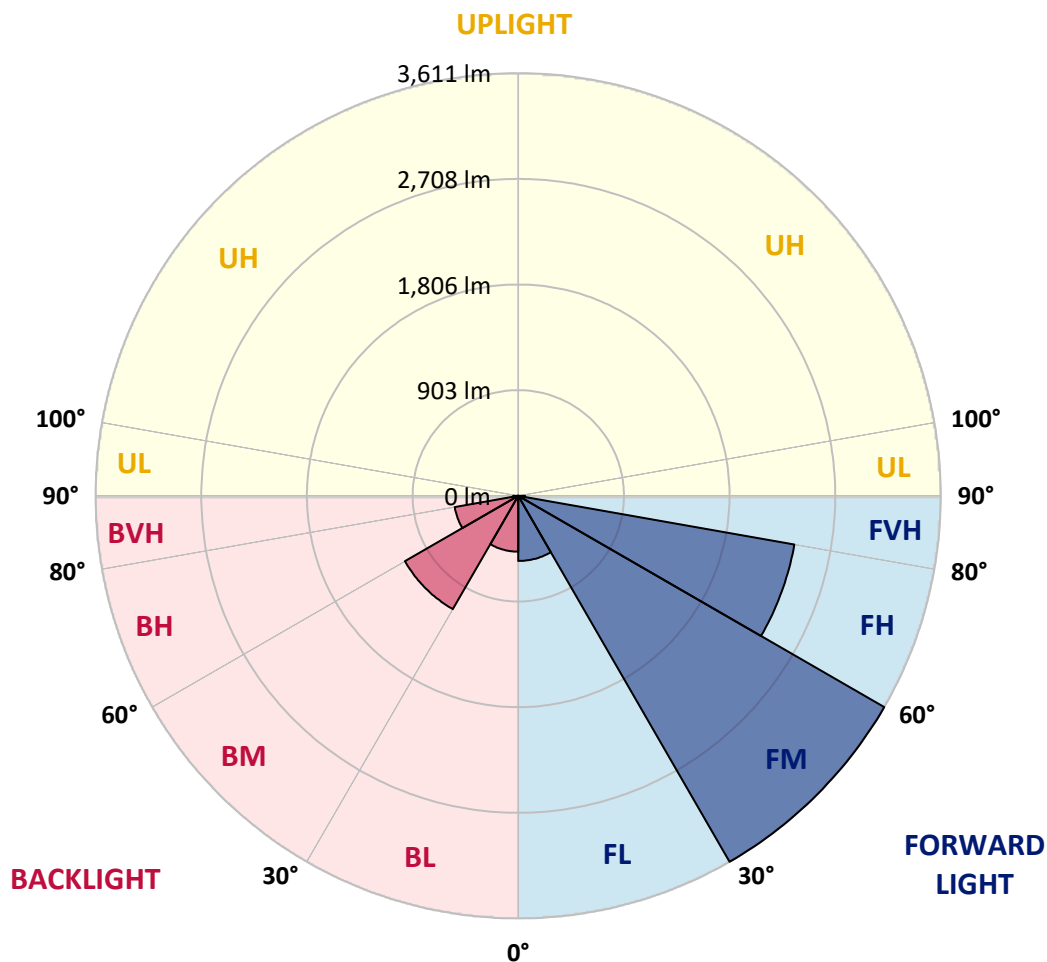
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.8	6.3			
FM (30°-60°)	3611.1	41.0			
FH (60°-80°)	2395.3	27.2			G2/5000
FVH (80°-90°)	57.7	0.7			G1/100
BL (0°-30°)	477.3	5.4	B1/500		
BM (30°-60°)	1118.4	12.7	B2/2500		
BH (60°-80°)	551.4	6.3	B2/1000		G2/1000
BVH (80°-90°)	44.0	0.5			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	977.4	977.4	977.4	977.4	977.4	977.4	977.4	977.4	977.4	977.4
2.5°	967.2	972.7	971.3	969.0	968.6	969.5	970.9	972.3	971.8	974.1
5°	964.4	970.0	969.5	969.5	971.3	975.1	977.4	979.7	977.4	980.1
7.5°	966.3	970.4	972.3	974.1	978.8	985.7	991.3	996.3	993.6	996.8
10°	989.9	993.1	995.0	995.0	998.2	1006.1	1011.6	1020.9	1018.6	1023.7
12.5°	1032.9	1036.2	1036.2	1034.3	1036.6	1041.7	1043.6	1053.8	1049.6	1057.9
15°	1085.7	1092.2	1087.1	1083.9	1084.8	1089.9	1089.4	1097.3	1093.1	1100.1
17.5°	1144.0	1152.4	1144.0	1143.6	1141.7	1147.3	1147.7	1154.7	1147.3	1152.4
20°	1213.0	1224.6	1217.7	1220.0	1215.8	1218.1	1220.4	1230.6	1219.0	1222.8
22.5°	1310.3	1324.1	1316.7	1325.5	1322.8	1320.9	1320.4	1338.5	1320.4	1321.8
25°	1451.9	1468.6	1455.6	1467.7	1467.7	1473.7	1480.6	1503.8	1473.7	1464.9
27.5°	1661.2	1677.9	1652.4	1659.8	1657.5	1672.3	1664.9	1722.3	1689.9	1675.6
30°	1913.1	1942.7	1894.5	1892.7	1890.4	1914.0	1924.6	1962.6	1929.7	1915.4
32.5°	2185.3	2216.3	2158.9	2142.2	2133.4	2147.8	2139.0	2169.6	2146.9	2124.7
35°	2473.3	2503.8	2449.2	2416.8	2381.6	2351.5	2320.0	2327.9	2306.6	2272.8
37.5°	2745.5	2801.5	2743.7	2708.9	2644.1	2585.3	2497.4	2460.8	2440.9	2409.9
40°	3022.8	3054.8	3010.8	2981.2	2910.8	2818.7	2677.9	2600.6	2573.7	2543.7
42.5°	3227.0	3257.6	3234.0	3213.6	3158.5	3051.6	2869.6	2772.8	2733.9	2700.1
45°	3389.1	3411.8	3396.9	3404.3	3380.7	3277.0	3068.2	2957.6	2917.3	2876.1
47.5°	3454.4	3478.4	3502.0	3546.0	3586.3	3509.9	3281.7	3157.6	3115.0	3072.9
50°	3446.9	3471.5	3540.0	3633.5	3758.5	3733.1	3506.7	3370.6	3331.2	3283.0
52.5°	3387.7	3415.5	3503.4	3659.0	3858.1	3900.2	3735.8	3590.5	3553.4	3496.0
55°	3232.1	3248.8	3380.7	3601.1	3881.7	4016.9	3960.4	3824.7	3787.7	3707.6
57.5°	2943.7	2967.8	3159.9	3445.1	3822.4	4096.1	4157.6	4071.1	4035.4	3920.1
60°	2567.3	2605.7	2825.6	3183.0	3671.5	4095.6	4336.8	4313.2	4283.6	4129.4
62.5°	2141.3	2185.8	2397.4	2812.7	3407.6	3979.4	4448.8	4516.0	4500.7	4322.5
65°	1644.5	1675.1	1885.7	2333.5	2996.9	3729.8	4461.8	4654.4	4657.2	4469.2
67.5°	1095.0	1182.9	1365.8	1751.0	2446.9	3321.9	4347.9	4677.1	4704.0	4519.7
70°	534.3	650.0	829.2	1138.0	1751.0	2696.4	4050.2	4491.0	4550.7	4372.5
72.5°	221.8	259.3	357.0	561.6	1005.1	1819.5	3452.0	3986.3	4097.0	3874.3
75°	149.5	162.0	204.2	288.0	457.9	897.3	2489.5	2972.4	3150.6	2926.1
77.5°	115.3	123.2	148.6	201.4	272.2	339.4	1332.5	1791.3	1883.4	1743.6
80°	90.7	96.8	111.1	146.8	193.1	181.5	454.2	811.6	864.9	725.5
82.5°	78.7	81.0	79.6	99.5	128.2	106.0	149.1	299.6	330.6	239.8
85°	56.9	63.4	66.2	61.6	68.1	53.7	61.1	106.0	116.7	104.2
87.5°	23.1	34.3	42.1	39.8	25.0	15.3	19.0	31.0	35.7	38.9
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°
977.4	0°	977.4	977.4	977.4	977.4	977.4	977.4	977.4	977.4	977.4	977.4
977.8	2.5°	978.3	981.5	983.8	986.6	988.5	991.3	996.8	1000.1	1000.5	1002.8
985.2	5°	987.1	991.7	996.8	1004.2	1012.6	1019.5	1030.1	1037.6	1040.3	1042.6
1003.3	7.5°	1006.1	1012.6	1021.8	1034.8	1046.8	1056.1	1069.0	1077.8	1086.6	1089.9
1032.0	10°	1034.3	1043.6	1057.0	1074.6	1087.6	1099.6	1113.0	1120.4	1129.2	1132.9
1066.3	12.5°	1069.5	1079.2	1096.8	1121.4	1133.4	1141.7	1146.4	1144.5	1146.4	1149.6
1107.5	15°	1109.8	1120.4	1140.3	1166.7	1175.1	1167.7	1157.5	1148.2	1146.8	1147.7
1157.5	17.5°	1157.5	1165.3	1188.5	1210.7	1204.7	1174.1	1151.9	1137.1	1129.7	1127.4
1221.4	20°	1224.1	1224.1	1243.1	1257.0	1216.7	1164.9	1130.2	1106.1	1090.8	1084.3
1308.4	22.5°	1305.2	1297.8	1309.8	1300.1	1214.4	1138.9	1090.8	1049.1	1026.0	1016.7
1430.2	25°	1407.9	1399.1	1395.9	1335.7	1197.7	1097.7	1019.5	969.0	948.7	943.6
1605.6	27.5°	1563.0	1540.8	1498.7	1355.2	1167.2	1032.9	936.2	889.4	877.8	878.3
1831.1	30°	1769.5	1725.1	1621.8	1358.4	1117.2	941.3	851.0	817.6	812.1	814.4
2020.5	32.5°	1960.8	1918.6	1747.8	1343.6	1040.3	851.4	774.6	752.4	744.0	746.8
2164.9	35°	2110.8	2099.2	1864.5	1322.8	945.9	767.2	706.1	687.1	670.9	667.2
2301.0	37.5°	2252.4	2247.8	1952.0	1293.6	852.4	707.4	651.0	626.0	602.3	589.4
2451.5	40°	2408.0	2403.4	2009.4	1248.7	769.5	655.6	601.4	568.5	539.4	515.8
2621.9	42.5°	2583.0	2555.7	2036.7	1184.3	699.1	611.6	561.1	516.7	478.3	456.5
2814.5	45°	2774.2	2712.6	2036.2	1102.4	639.8	571.3	518.1	455.1	419.5	399.1
3012.2	47.5°	2977.0	2862.7	2011.2	1011.6	582.4	526.9	451.4	403.3	379.6	367.1
3227.0	50°	3186.3	3002.9	1968.6	907.5	523.6	476.4	409.7	376.9	358.8	347.2
3440.0	52.5°	3383.1	3130.3	1917.2	789.4	463.9	427.3	391.2	365.8	346.8	333.8
3646.5	55°	3565.9	3240.0	1844.5	668.6	415.3	394.5	382.4	361.1	339.4	324.1
3856.2	57.5°	3728.4	3311.3	1719.1	555.1	380.6	371.8	373.2	353.3	328.3	315.3
4062.7	60°	3863.6	3363.6	1533.4	450.0	352.3	349.6	358.8	338.4	309.3	294.5
4237.3	62.5°	3944.7	3362.7	1305.6	368.5	328.3	329.2	339.8	319.9	290.3	276.4
4328.5	65°	3937.7	3280.3	1055.6	315.3	305.1	306.0	319.9	299.6	274.6	266.2
4282.6	67.5°	3798.4	3079.3	809.8	280.6	279.6	283.8	300.0	285.7	264.8	263.9
4009.5	70°	3421.0	2662.2	583.4	252.8	253.3	259.3	280.6	276.9	259.7	261.6
3371.0	72.5°	2743.2	2029.7	391.7	223.6	224.1	233.8	262.1	269.9	254.6	279.2
2391.8	75°	1826.9	1265.8	251.9	192.6	193.1	205.6	245.8	256.5	240.8	278.3
1244.5	77.5°	877.8	569.0	182.4	162.0	162.0	173.6	212.5	229.6	205.1	216.2
400.0	80°	303.3	213.9	143.5	130.6	127.8	135.7	179.2	199.1	176.9	163.0
130.6	82.5°	119.5	111.1	115.3	101.4	92.1	97.2	139.4	164.4	130.1	117.6
73.6	85°	68.5	72.2	81.5	67.1	53.2	59.7	102.3	118.1	98.2	86.6
24.1	87.5°	18.5	25.5	37.5	34.7	24.1	25.5	48.6	65.3	56.5	43.5
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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977.4
1002.4
1042.2
1090.3
1134.8
1150.5
1151.0
1130.6
1082.9
1015.3
944.5
879.7
822.3
750.5
669.9
589.8
518.1
457.9
398.2
364.4
343.1
328.3
318.1
307.0
288.0
272.2
265.8
265.3
261.1
282.9
280.6
198.2
152.8
117.1
88.4
44.9
0.0

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