

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: P852378

Luminaire Tested: **GLAN-SB3B-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852378  
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-SB3B-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 450mA 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: 8238 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

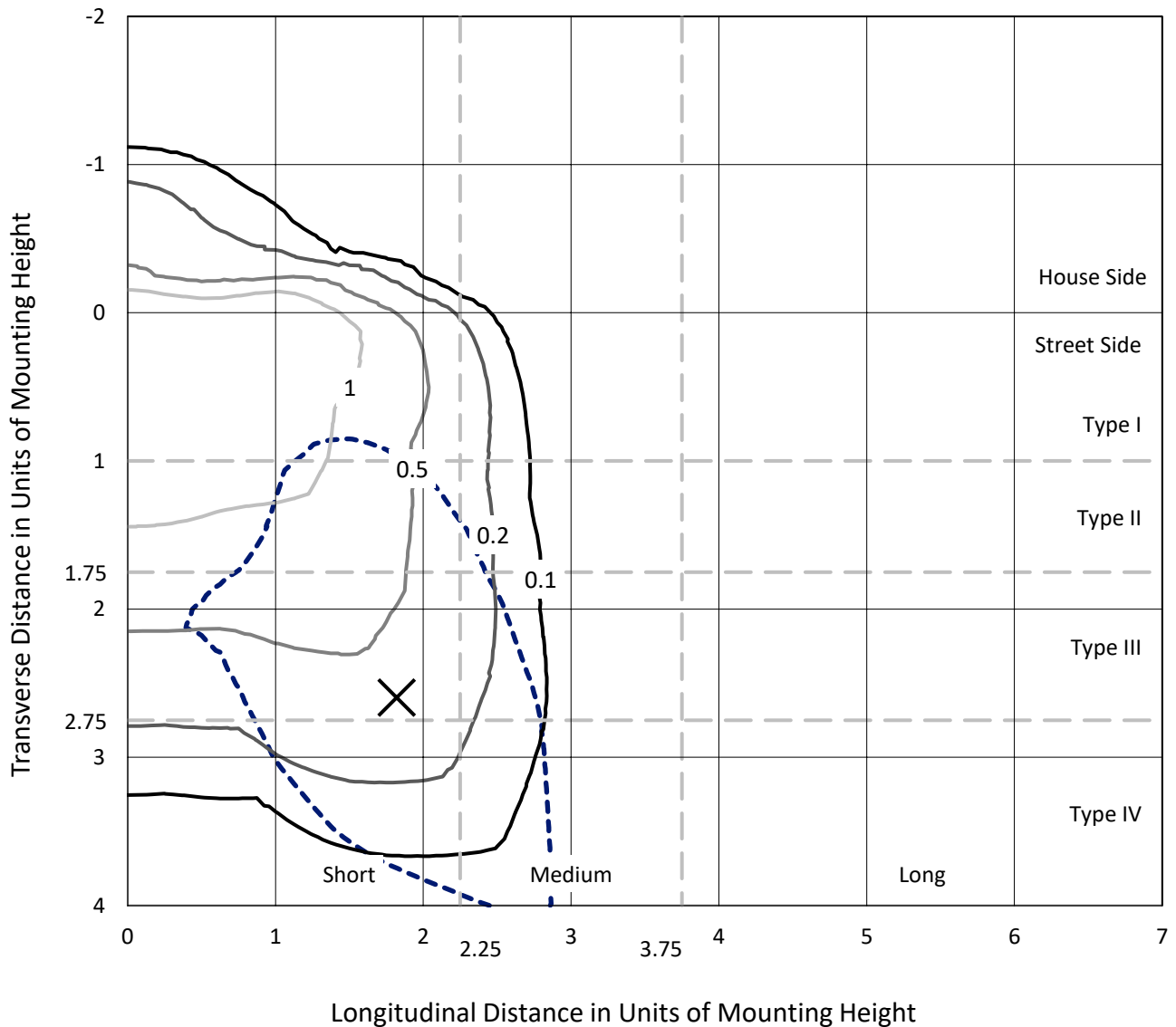
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

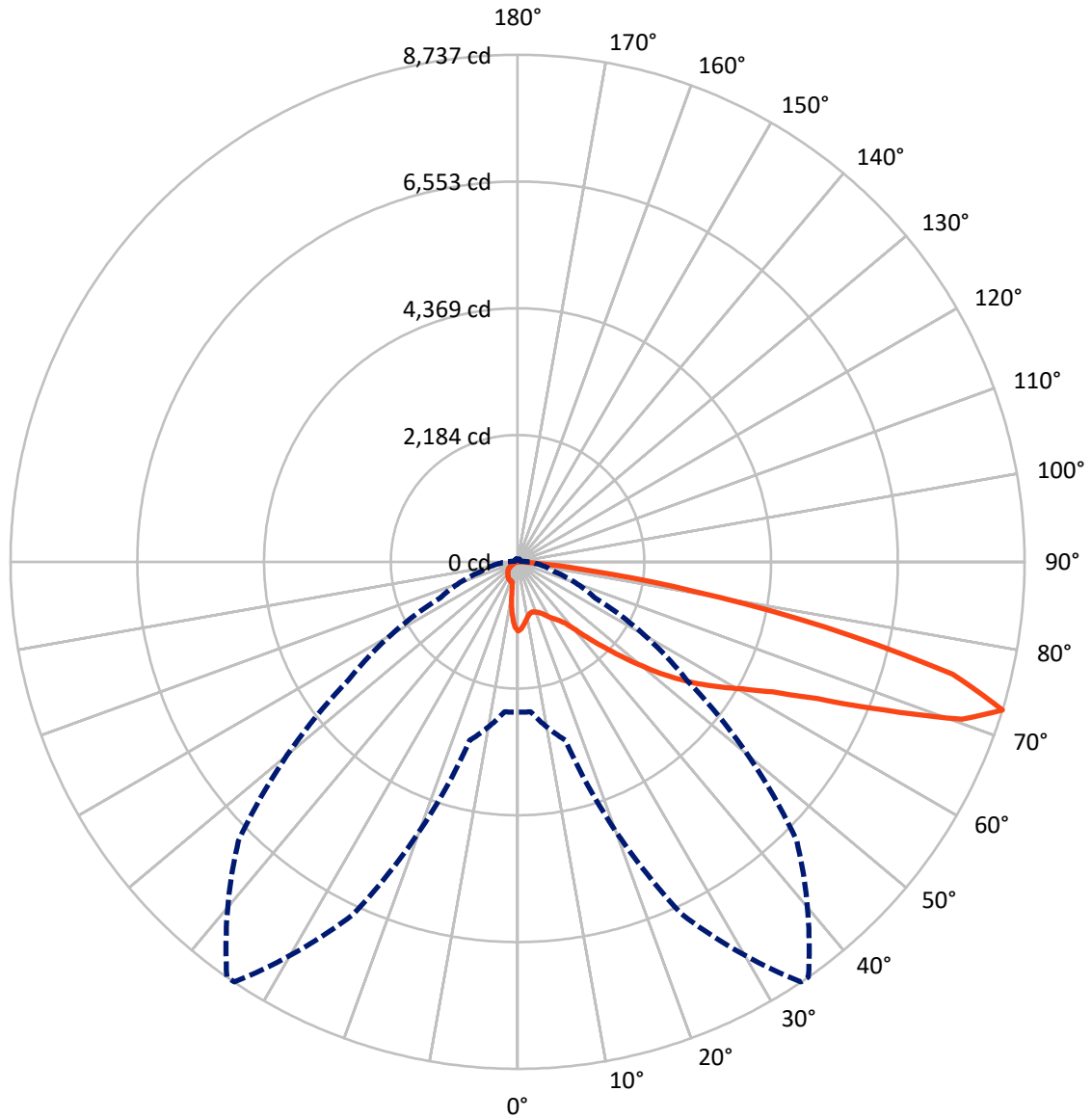
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	927.1	0.0	927.1
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	7310.9	0.0	7310.9
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	8238.0	0.0	8238.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.1	1.2
10°-20°	229.5	2.8
20°-30°	372.9	4.5
30°-40°	622.1	7.6
40°-50°	1177.0	14.3
50°-60°	1870.3	22.7
60°-70°	2313.7	28.1
70°-80°	1438.2	17.5
80°-90°	116.2	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°	8238.0	100.0
0°-180°	8238.0	100.0

**Coefficient of Utilization**



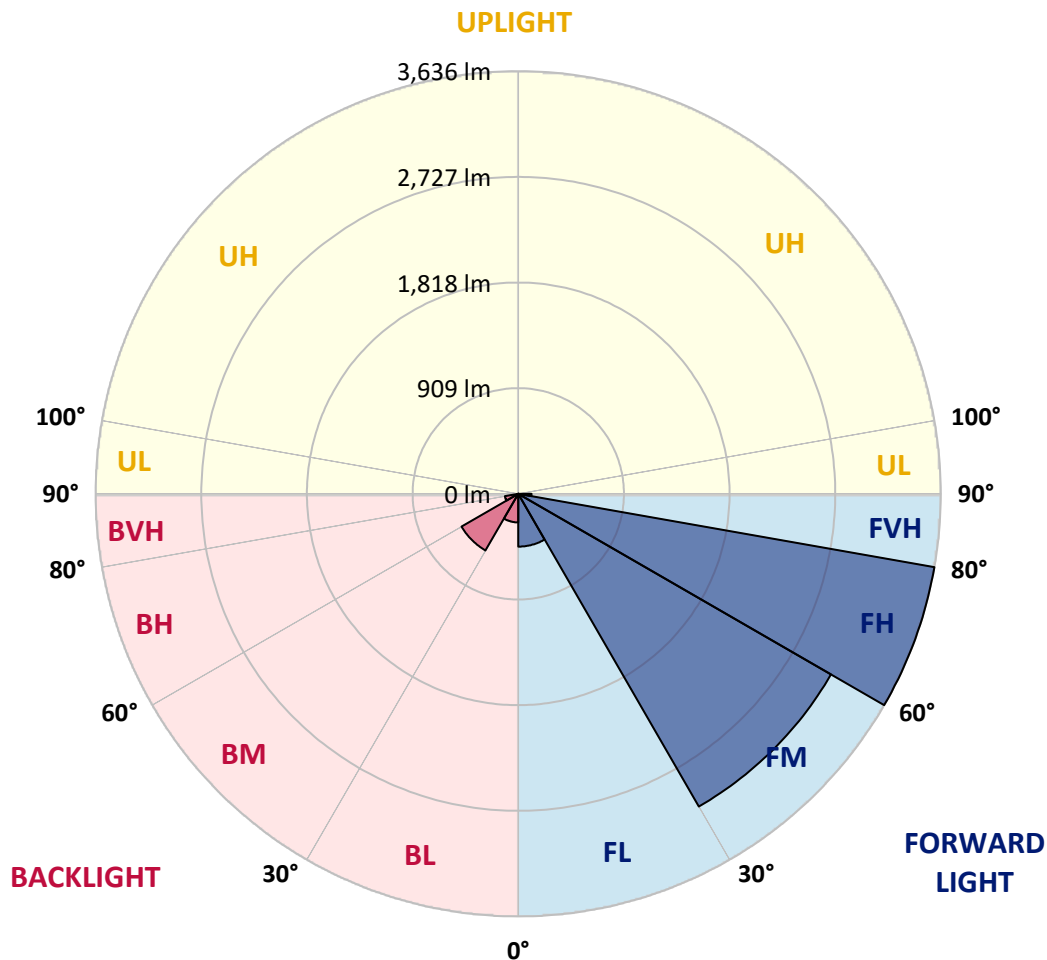
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	454.1	5.5			
FM (30°-60°)	3106.6	37.7			
FH (60°-80°)	3635.5	44.1			G2/5000
FVH (80°-90°)	114.6	1.4			G2/225
BL (0°-30°)	246.4	3.0	B1/500		
BM (30°-60°)	562.9	6.8	B1/1000		
BH (60°-80°)	116.3	1.4	B1/500		G1/500
BVH (80°-90°)	1.6	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°	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0
2.5°	1140.8	1150.5	1152.3	1155.3	1155.3	1159.0	1165.0	1173.4	1187.3	1194.6
5°	1051.5	1058.8	1067.8	1075.0	1088.9	1090.7	1114.3	1137.2	1169.2	1193.4
7.5°	961.6	970.0	982.1	999.6	1017.7	1023.1	1058.8	1097.4	1148.1	1193.4
10°	898.2	898.8	909.7	927.2	956.1	962.8	1006.2	1061.2	1124.5	1186.1
12.5°	862.6	866.8	871.6	884.9	912.7	916.9	963.4	1028.0	1101.0	1181.9
15°	862.6	865.6	868.6	875.3	897.6	901.2	942.3	1006.8	1088.9	1183.7
17.5°	871.6	876.5	874.0	881.9	905.4	907.8	944.1	1000.8	1088.3	1195.2
20°	893.4	897.0	892.2	897.0	920.5	925.4	962.8	1012.3	1098.6	1215.1
22.5°	927.8	929.6	918.1	921.7	945.9	951.9	995.4	1044.9	1123.3	1247.1
25°	971.2	974.8	957.3	961.6	984.5	991.7	1041.8	1093.8	1162.6	1291.1
27.5°	1021.3	1023.1	1008.0	1007.4	1037.0	1047.3	1098.0	1154.1	1215.1	1346.7
30°	1078.7	1084.1	1069.6	1067.2	1104.6	1113.1	1163.2	1228.4	1292.4	1430.0
32.5°	1123.9	1128.2	1119.7	1125.8	1163.8	1170.4	1242.3	1333.4	1413.7	1548.3
35°	1189.1	1191.5	1172.2	1183.1	1226.6	1243.5	1350.3	1480.7	1566.4	1696.8
37.5°	1425.1	1425.1	1343.1	1289.3	1331.0	1346.1	1498.2	1666.0	1754.7	1896.0
40°	1751.7	1746.3	1626.2	1516.3	1510.9	1540.4	1708.9	1899.6	1998.0	2135.0
42.5°	2100.0	2091.5	1928.0	1819.3	1801.2	1811.5	1952.1	2187.5	2287.7	2426.6
45°	2409.1	2406.6	2256.9	2110.9	2078.3	2110.9	2255.7	2524.3	2596.2	2742.3
47.5°	2668.0	2668.0	2558.7	2463.4	2446.5	2465.8	2666.8	2898.0	2891.3	3078.5
50°	2966.2	2963.8	2860.0	2818.9	2836.4	2863.6	3140.0	3291.5	3196.8	3408.6
52.5°	3175.0	3189.5	3153.9	3147.3	3236.6	3283.7	3620.5	3676.7	3470.2	3721.9
55°	3340.4	3357.3	3398.4	3444.9	3616.9	3678.5	4085.9	4041.8	3699.0	3993.6
57.5°	3574.6	3550.5	3613.9	3705.6	3983.9	4058.1	4536.8	4386.5	3883.1	4213.9
60°	3858.9	3862.6	3873.4	3989.3	4350.3	4445.7	4981.1	4712.5	4001.4	4349.1
62.5°	4200.6	4206.0	4228.4	4406.4	4842.2	4932.2	5454.3	4979.3	4055.7	4311.1
65°	4177.1	4200.0	4449.3	5058.3	5590.1	5678.9	6006.6	5166.4	3973.6	3963.4
67.5°	3805.2	3842.7	4259.8	5837.0	6717.7	6816.7	6674.2	5203.2	3619.3	3082.1
70°	3317.5	3330.8	3832.4	6537.2	8023.3	8123.5	7271.8	4798.2	2746.5	1719.1
72.5°	2590.7	2593.8	3182.3	6699.6	8732.0	8737.4	6802.8	3562.0	1477.1	660.4
75°	1850.7	1832.6	2131.4	5433.2	7682.3	7743.9	5100.0	1670.8	564.4	312.1
77.5°	992.4	1012.3	1206.0	3222.1	5307.0	5412.1	2782.7	481.7	287.3	212.5
80°	306.6	323.5	494.4	1475.2	3006.0	3069.4	1031.6	214.3	200.4	151.5
82.5°	96.6	100.2	230.6	619.9	1247.7	1276.7	298.8	121.3	137.0	100.2
85°	27.8	28.4	102.6	231.2	308.5	314.5	83.9	47.1	78.5	62.2
87.5°	3.0	9.7	38.6	38.6	27.2	26.6	9.1	10.3	22.3	7.8
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°
1194.0	0°	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0
1199.4	2.5°	1196.4	1197.0	1189.1	1175.9	1161.4	1149.3	1134.2	1122.1	1113.7	1111.3
1210.3	5°	1204.8	1200.6	1178.3	1137.8	1089.5	1047.9	1001.4	964.6	940.4	930.2
1221.7	7.5°	1217.5	1205.4	1156.5	1076.9	984.5	902.4	819.1	754.5	713.5	693.0
1232.6	10°	1228.4	1204.2	1120.3	988.7	847.5	723.1	610.9	533.0	489.5	469.0
1245.3	12.5°	1238.6	1203.6	1073.2	884.3	693.0	540.8	436.4	397.8	385.7	381.5
1265.8	15°	1257.9	1205.4	1014.1	764.8	539.0	408.7	370.6	370.0	372.4	371.2
1297.2	17.5°	1284.5	1207.2	947.1	638.0	415.9	360.4	358.6	364.0	367.6	365.8
1336.4	20°	1318.9	1214.5	875.9	512.5	357.3	348.3	352.5	357.3	360.4	357.3
1388.9	22.5°	1367.2	1227.2	798.0	411.7	338.6	341.0	344.7	350.1	353.1	348.9
1455.9	25°	1426.4	1247.1	721.3	357.9	329.6	332.6	338.0	344.1	347.7	343.5
1540.4	27.5°	1503.0	1279.1	650.7	345.9	320.5	322.3	330.2	339.2	344.1	338.6
1660.6	30°	1614.1	1331.6	589.7	351.3	315.1	310.9	321.7	334.4	339.8	335.0
1824.1	32.5°	1761.4	1405.8	552.3	359.8	312.7	297.6	307.8	324.1	333.2	330.2
2037.8	35°	1954.5	1518.7	537.8	369.4	310.9	283.7	290.9	308.5	324.1	327.2
2307.0	37.5°	2188.7	1675.7	542.1	373.6	305.4	272.2	275.9	290.9	311.5	321.1
2610.1	40°	2454.9	1858.5	566.2	369.4	299.4	262.6	263.2	274.6	292.8	307.2
2936.0	42.5°	2729.6	2072.2	610.9	353.7	294.0	254.1	252.3	260.2	272.2	282.5
3261.4	45°	2990.9	2291.9	654.9	332.0	287.3	245.7	241.4	244.5	246.9	251.1
3578.3	47.5°	3219.1	2446.5	642.3	312.1	278.3	236.0	228.8	227.6	220.3	219.7
3861.4	50°	3376.7	2480.3	570.4	292.2	265.0	225.2	213.7	206.4	193.8	187.7
4073.2	52.5°	3426.8	2346.9	466.0	272.2	243.3	210.7	194.4	182.9	167.2	161.8
4195.2	55°	3360.4	2085.5	372.4	248.1	213.1	191.3	173.2	158.1	145.5	138.8
4208.4	57.5°	3198.0	1752.9	294.6	219.7	181.1	169.6	151.5	136.4	125.6	118.9
4061.2	60°	2928.8	1392.0	233.0	185.9	154.5	146.1	127.4	117.7	108.0	100.2
3680.9	62.5°	2520.1	993.6	182.9	147.3	129.2	119.5	108.7	101.4	89.9	79.1
2997.0	65°	1966.6	607.8	141.2	108.0	103.8	99.0	92.4	85.7	71.8	61.0
1955.1	67.5°	1240.4	287.9	100.8	81.5	82.1	79.7	76.7	71.2	61.0	51.3
875.9	70°	546.3	139.4	66.4	62.2	61.0	61.0	63.4	61.6	51.9	42.9
304.2	72.5°	185.9	74.8	49.5	47.1	44.1	43.5	53.1	51.3	41.6	33.2
151.5	75°	97.2	50.1	36.2	33.8	26.6	32.0	42.3	39.8	29.6	21.7
100.2	77.5°	63.4	35.6	24.7	21.7	15.1	21.1	31.4	27.8	17.5	10.9
65.8	80°	39.8	23.5	14.5	10.3	7.2	11.5	16.9	12.1	6.6	2.4
38.6	82.5°	21.1	12.1	5.4	3.6	3.0	3.6	4.2	3.0	1.2	0.0
19.9	85°	8.5	4.2	1.8	1.2	0.6	0.0	1.2	0.6	0.0	0.0
3.6	87.5°	3.0	0.6	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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1194.0
1115.5
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