

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: P852338

Luminaire Tested: **GLAN-SB3A-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852338  
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-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 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: 8437 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

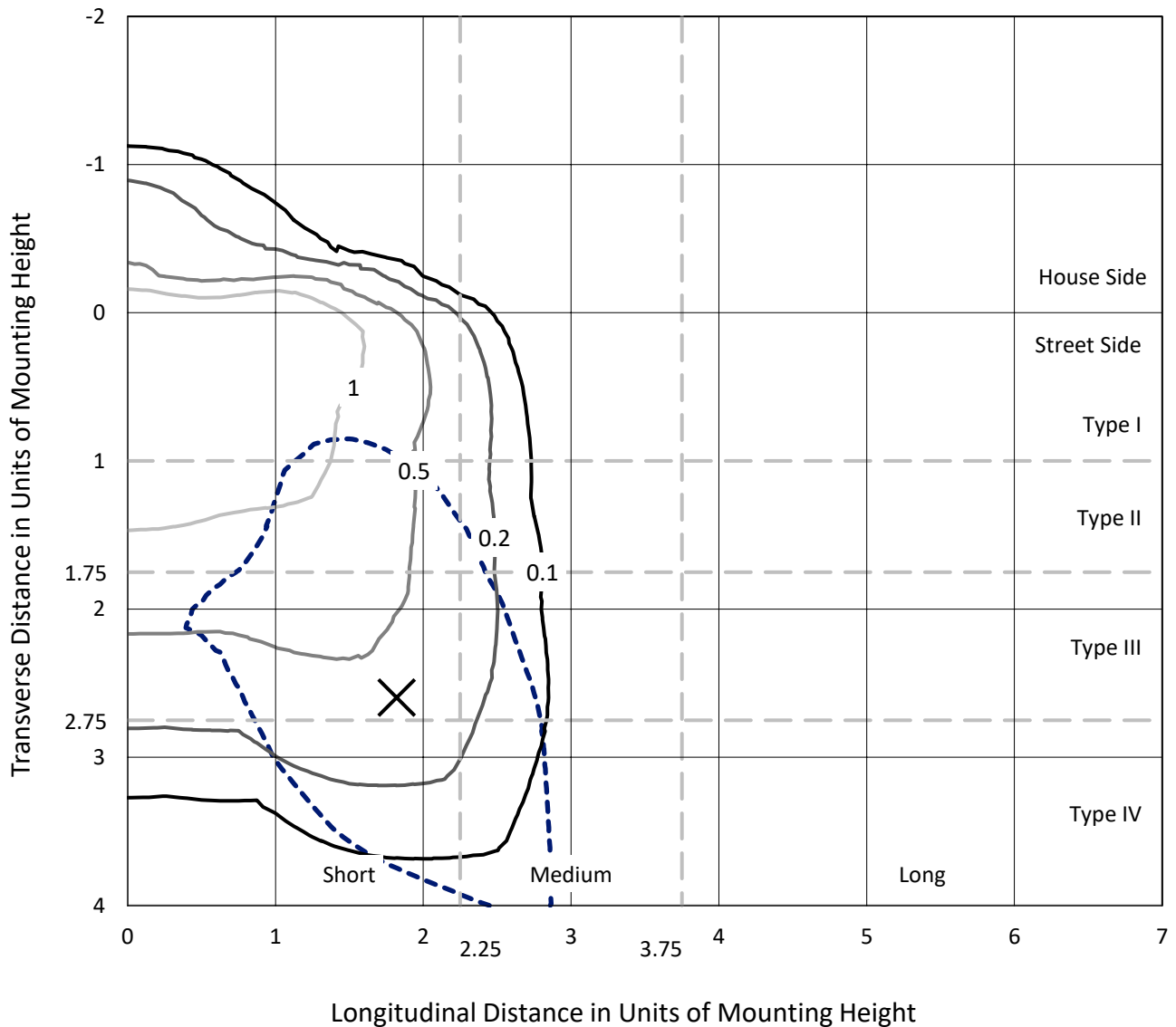
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

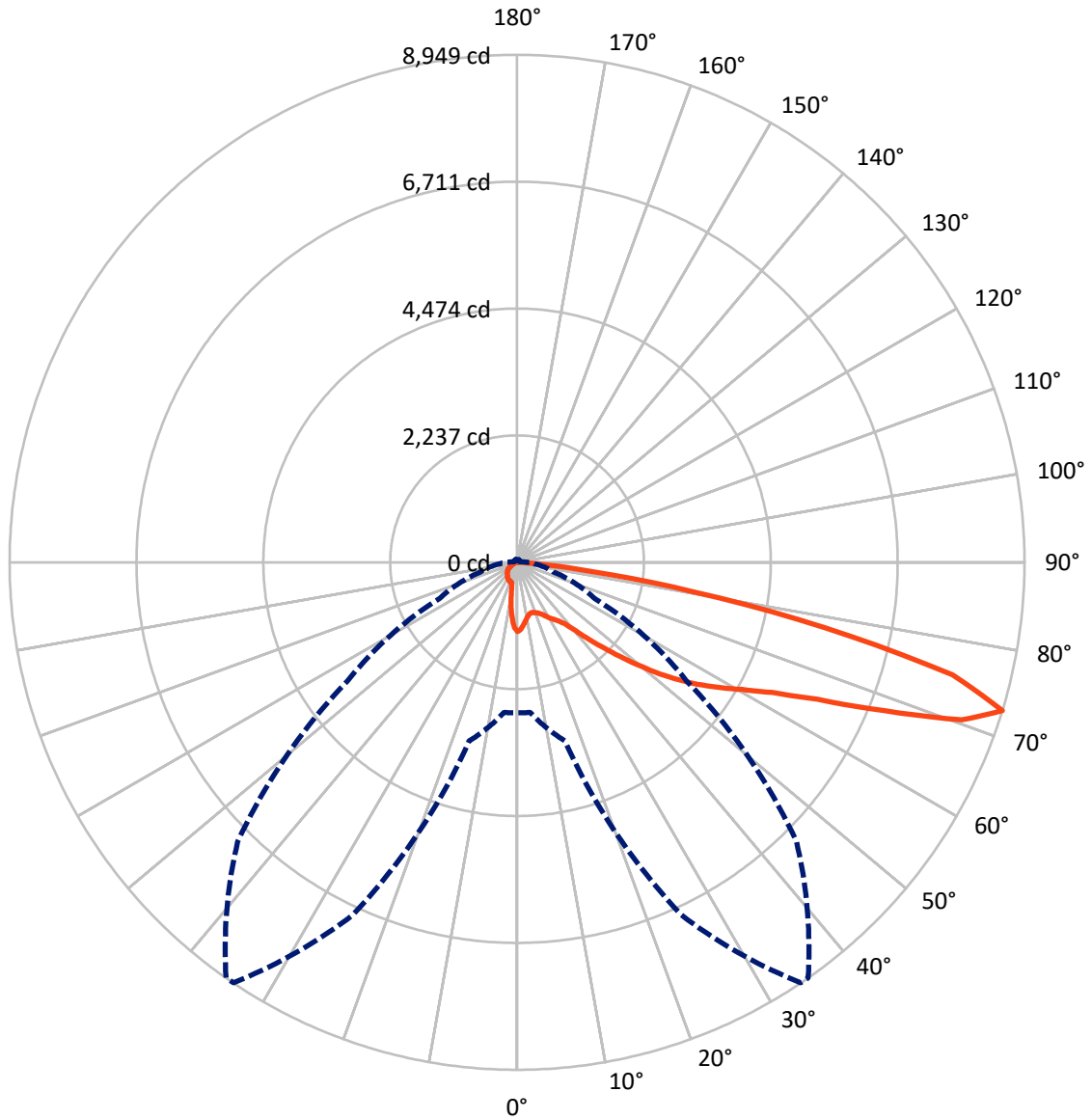
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	949.5	0.0	949.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	7487.5	0.0	7487.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	8437.0	0.0	8437.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.5	1.2
10°-20°	235.1	2.8
20°-30°	381.9	4.5
30°-40°	637.1	7.6
40°-50°	1205.5	14.3
50°-60°	1915.5	22.7
60°-70°	2369.6	28.1
70°-80°	1472.9	17.5
80°-90°	119.0	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°	8437.0	100.0
0°-180°	8437.0	100.0

**Coefficient of Utilization**



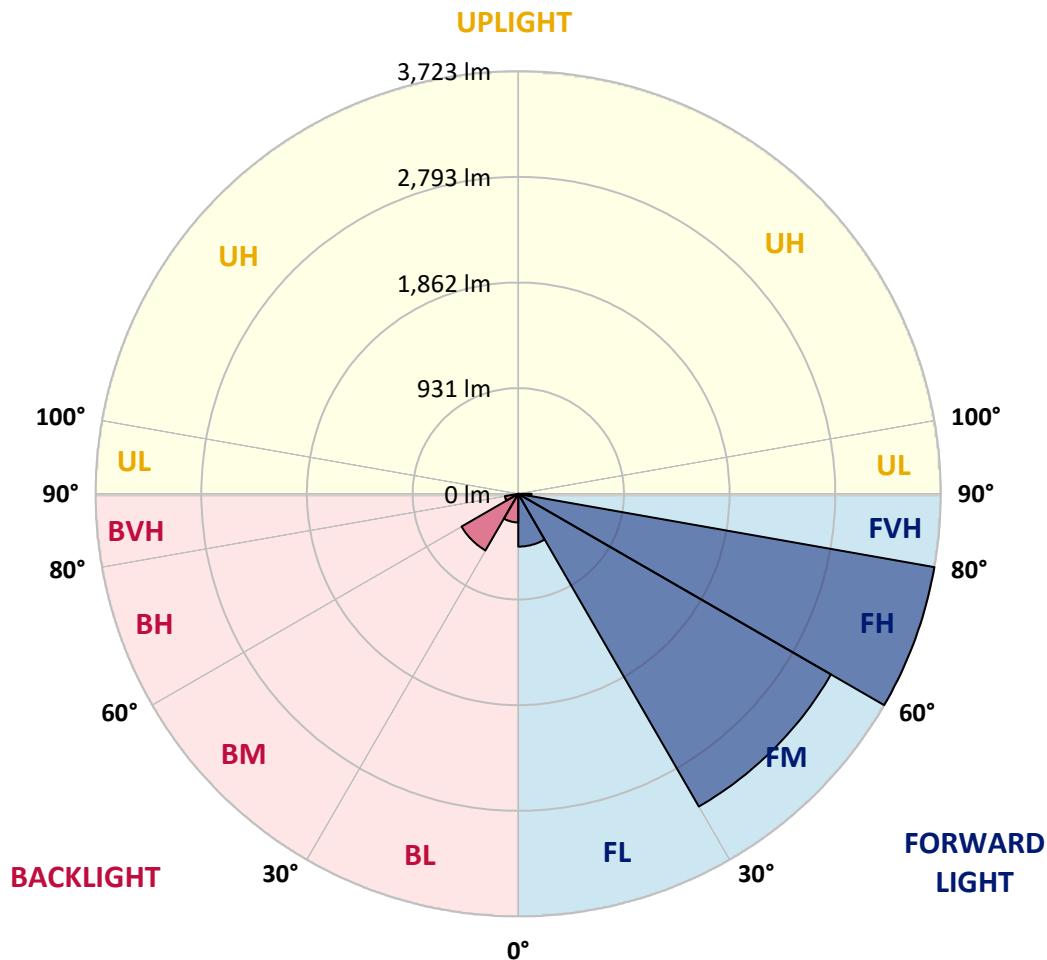
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.1	5.5			
FM (30°-60°)	3181.6	37.7			
FH (60°-80°)	3723.4	44.1			G2/5000
FVH (80°-90°)	117.4	1.4			G2/225
BL (0°-30°)	252.3	3.0	B1/500		
BM (30°-60°)	576.5	6.8	B1/1000		
BH (60°-80°)	119.2	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°	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8
2.5°	1168.4	1178.3	1180.1	1183.2	1183.2	1186.9	1193.1	1201.8	1216.0	1223.4
5°	1076.9	1084.3	1093.6	1101.0	1115.2	1117.1	1141.2	1164.7	1197.5	1222.2
7.5°	984.8	993.5	1005.8	1023.7	1042.3	1047.9	1084.3	1123.9	1175.8	1222.2
10°	919.9	920.5	931.6	949.6	979.2	986.0	1030.5	1086.8	1151.7	1214.8
12.5°	883.4	887.7	892.7	906.3	934.7	939.0	986.7	1052.8	1127.6	1210.4
15°	883.4	886.5	889.6	896.4	919.3	923.0	965.0	1031.2	1115.2	1212.3
17.5°	892.7	897.6	895.2	903.2	927.3	929.8	966.9	1025.0	1114.6	1224.0
20°	914.9	918.6	913.7	918.6	942.8	947.7	986.0	1036.7	1125.1	1244.4
22.5°	950.2	952.0	940.3	944.0	968.7	974.9	1019.4	1070.1	1150.5	1277.2
25°	994.7	998.4	980.5	984.8	1008.3	1015.7	1067.0	1120.2	1190.7	1322.3
27.5°	1046.0	1047.9	1032.4	1031.8	1062.1	1072.6	1124.5	1182.0	1244.4	1379.2
30°	1104.7	1110.3	1095.5	1093.0	1131.3	1140.0	1191.3	1258.0	1323.6	1464.5
32.5°	1151.1	1155.4	1146.8	1152.9	1191.9	1198.7	1272.3	1365.6	1447.8	1585.7
35°	1217.9	1220.3	1200.5	1211.7	1256.2	1273.5	1382.9	1516.5	1604.2	1737.8
37.5°	1459.6	1459.6	1375.5	1320.5	1363.1	1378.6	1534.4	1706.2	1797.1	1941.8
40°	1794.0	1788.5	1665.4	1552.9	1547.4	1577.7	1750.1	1945.5	2046.2	2186.6
42.5°	2150.7	2142.1	1974.5	1863.3	1844.7	1855.2	1999.3	2240.4	2343.0	2485.2
45°	2467.2	2464.8	2311.5	2161.9	2128.5	2161.9	2310.2	2585.3	2658.9	2808.5
47.5°	2732.5	2732.5	2620.6	2522.9	2505.6	2525.4	2731.2	2968.0	2961.2	3152.8
50°	3037.8	3035.4	2929.0	2887.0	2904.9	2932.8	3215.9	3371.1	3274.0	3491.0
52.5°	3251.7	3266.6	3230.1	3223.3	3314.8	3363.0	3708.0	3765.5	3554.0	3811.8
55°	3421.1	3438.4	3480.5	3528.1	3704.3	3767.3	4184.6	4139.5	3788.3	4090.0
57.5°	3661.0	3636.3	3701.2	3795.1	4080.1	4156.2	4646.4	4492.5	3976.9	4315.7
60°	3952.2	3955.9	3967.0	4085.7	4455.4	4553.1	5101.4	4826.3	4098.1	4454.1
62.5°	4302.1	4307.6	4330.5	4512.9	4959.2	5051.3	5586.1	5099.6	4153.7	4415.2
65°	4278.0	4301.5	4556.8	5180.5	5725.2	5816.0	6151.7	5291.2	4069.6	4059.1
67.5°	3897.1	3935.5	4362.7	5978.0	6880.0	6981.4	6835.5	5328.9	3706.7	3156.5
70°	3397.6	3411.2	3925.0	6695.1	8217.1	8319.8	7447.5	4914.1	2812.8	1760.6
72.5°	2653.3	2656.4	3259.2	6861.4	8942.9	8948.5	6967.1	3648.0	1512.7	676.3
75°	1895.4	1876.9	2182.9	5564.4	7867.9	7930.9	5223.2	1711.2	578.0	319.6
77.5°	1016.3	1036.7	1235.2	3300.0	5435.2	5542.8	2849.9	493.3	294.3	217.6
80°	314.0	331.4	506.3	1510.9	3078.6	3143.6	1056.5	219.5	205.2	155.2
82.5°	98.9	102.6	236.2	634.9	1277.8	1307.5	306.0	124.3	140.3	102.6
85°	28.4	29.1	105.1	236.8	315.9	322.1	85.9	48.2	80.4	63.7
87.5°	3.1	9.9	39.6	39.6	27.8	27.2	9.3	10.5	22.9	8.0
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°
1222.8	0°	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8	1222.8
1228.4	2.5°	1225.3	1225.9	1217.9	1204.3	1189.4	1177.1	1161.6	1149.2	1140.6	1138.1
1239.5	5°	1233.9	1229.6	1206.7	1165.3	1115.9	1073.2	1025.6	987.9	963.2	952.6
1251.2	7.5°	1246.9	1234.6	1184.5	1102.9	1008.3	924.2	838.9	772.8	730.7	709.7
1262.4	10°	1258.0	1233.3	1147.4	1012.6	868.0	740.6	625.6	545.9	501.4	480.3
1275.4	12.5°	1268.6	1232.7	1099.2	905.7	709.7	553.9	447.0	407.4	395.0	390.7
1296.4	15°	1288.3	1234.6	1038.6	783.3	552.1	418.5	379.6	379.0	381.4	380.2
1328.5	17.5°	1315.5	1236.4	970.0	653.4	425.9	369.1	367.2	372.8	376.5	374.6
1368.7	20°	1350.8	1243.8	897.0	524.9	366.0	356.7	361.0	366.0	369.1	366.0
1422.5	22.5°	1400.2	1256.8	817.3	421.6	346.8	349.3	353.0	358.6	361.6	357.3
1491.1	25°	1460.8	1277.2	738.8	366.6	337.5	340.6	346.2	352.4	356.1	351.8
1577.7	27.5°	1539.3	1310.0	666.4	354.2	328.3	330.1	338.2	347.4	352.4	346.8
1700.7	30°	1653.1	1363.8	604.0	359.8	322.7	318.4	329.5	342.5	348.0	343.1
1868.2	32.5°	1803.9	1439.8	565.7	368.4	320.2	304.8	315.3	332.0	341.2	338.2
2087.1	35°	2001.7	1555.4	550.8	378.3	318.4	290.6	298.0	315.9	332.0	335.1
2362.8	37.5°	2241.6	1716.1	555.1	382.7	312.8	278.8	282.5	298.0	319.0	328.9
2673.1	40°	2514.2	1903.4	579.9	378.3	306.6	268.9	269.5	281.3	299.8	314.7
3006.9	42.5°	2795.5	2122.3	625.6	362.3	301.1	260.3	258.4	266.4	278.8	289.3
3340.1	45°	3063.2	2347.3	670.7	340.0	294.3	251.6	247.3	250.4	252.8	257.2
3664.7	47.5°	3296.9	2505.6	657.8	319.6	285.0	241.7	234.3	233.1	225.6	225.0
3954.6	50°	3458.2	2540.2	584.2	299.2	271.4	230.6	218.8	211.4	198.4	192.3
4171.6	52.5°	3509.5	2403.6	477.3	278.8	249.1	215.8	199.1	187.3	171.2	165.7
4296.5	55°	3441.5	2135.9	381.4	254.1	218.2	196.0	177.4	162.0	149.0	142.2
4310.1	57.5°	3275.2	1795.3	301.7	225.0	185.5	173.7	155.2	139.7	128.6	121.8
4159.3	60°	2999.5	1425.6	238.6	190.4	158.3	149.6	130.4	120.5	110.7	102.6
3769.8	62.5°	2581.0	1017.6	187.3	150.8	132.3	122.4	111.3	103.9	92.1	81.0
3069.4	65°	2014.1	622.5	144.7	110.7	106.3	101.4	94.6	87.8	73.6	62.4
2002.4	67.5°	1270.4	294.9	103.2	83.5	84.1	81.6	78.5	72.9	62.4	52.5
897.0	70°	559.5	142.8	68.0	63.7	62.4	62.4	64.9	63.1	53.2	43.9
311.6	72.5°	190.4	76.7	50.7	48.2	45.1	44.5	54.4	52.5	42.7	34.0
155.2	75°	99.5	51.3	37.1	34.6	27.2	32.8	43.3	40.8	30.3	22.3
102.6	77.5°	64.9	36.5	25.3	22.3	15.5	21.6	32.1	28.4	17.9	11.1
67.4	80°	40.8	24.1	14.8	10.5	7.4	11.7	17.3	12.4	6.8	2.5
39.6	82.5°	21.6	12.4	5.6	3.7	3.1	3.7	4.3	3.1	1.2	0.0
20.4	85°	8.7	4.3	1.9	1.2	0.6	0.0	1.2	0.6	0.0	0.0
3.7	87.5°	3.1	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°
<hr/>
1222.8
1142.4
956.4
712.8
481.0
389.5
379.6
374.0
365.4
356.7
351.1
346.8
342.5
338.2
335.1
331.4
319.6
293.6
259.6
224.4
192.9
165.1
142.2
120.5
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79.1
60.6
51.3
42.0
32.1
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