

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: P852278

Luminaire Tested: **GLAN-SB2C-930-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852278  
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-SB2C-930-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 615mA 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: 7650 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

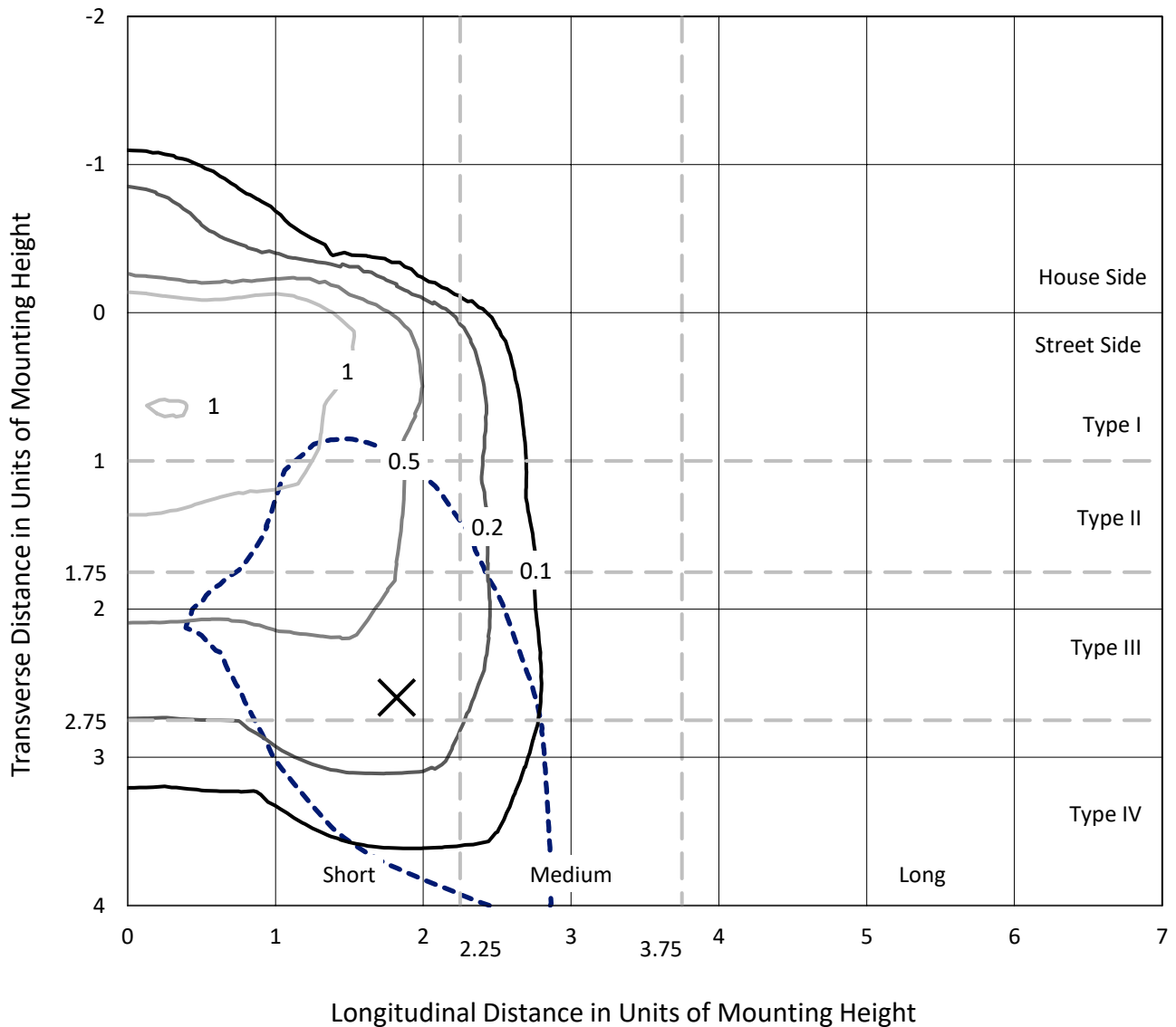
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

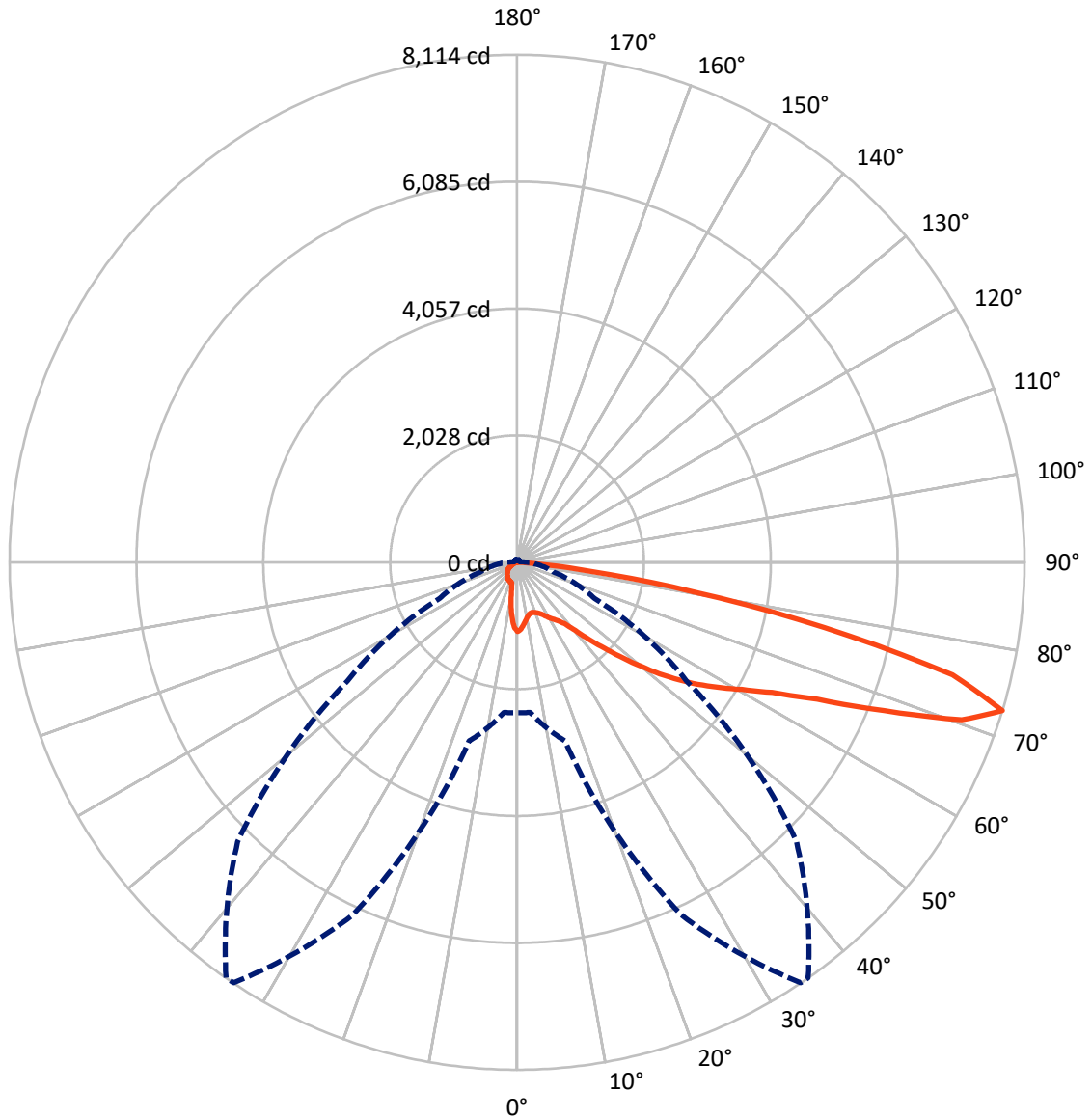
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	861.0	0.0	861.0
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	6789.0	0.0	6789.0
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	7650.0	0.0	7650.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.1	1.2
10°-20°	213.1	2.8
20°-30°	346.2	4.5
30°-40°	577.7	7.6
40°-50°	1093.0	14.3
50°-60°	1736.8	22.7
60°-70°	2148.5	28.1
70°-80°	1335.5	17.5
80°-90°	107.9	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°	7650.0	100.0
0°-180°	7650.0	100.0

**Coefficient of Utilization**



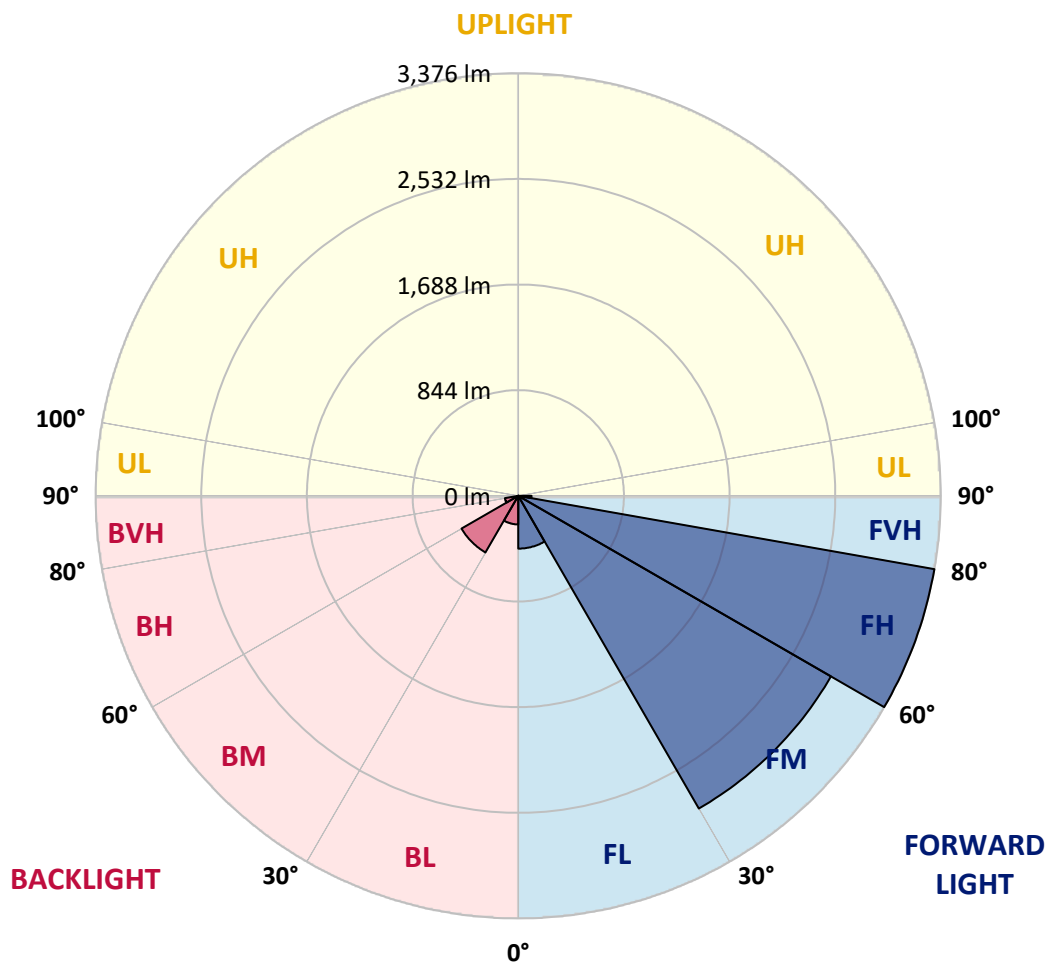
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.7	5.5			
FM (30°-60°)	2884.8	37.7			
FH (60°-80°)	3376.0	44.1			G2/5000
FVH (80°-90°)	106.5	1.4			G2/225
BL (0°-30°)	228.8	3.0	B1/500		
BM (30°-60°)	522.7	6.8	B1/1000		
BH (60°-80°)	108.0	1.4	B0/110		G0/110
BVH (80°-90°)	1.5	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°	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7
2.5°	1059.4	1068.4	1070.1	1072.9	1072.9	1076.2	1081.8	1089.7	1102.6	1109.3
5°	976.5	983.2	991.6	998.3	1011.2	1012.9	1034.8	1056.1	1085.8	1108.2
7.5°	892.9	900.8	912.0	928.2	945.1	950.1	983.2	1019.1	1066.1	1108.2
10°	834.1	834.6	844.7	861.0	887.9	894.1	934.4	985.4	1044.3	1101.5
12.5°	801.0	804.9	809.4	821.7	847.5	851.5	894.6	954.6	1022.4	1097.5
15°	801.0	803.8	806.6	812.8	833.5	836.9	875.0	935.0	1011.2	1099.2
17.5°	809.4	813.9	811.7	818.9	840.8	843.0	876.7	929.4	1010.6	1109.9
20°	829.6	833.0	828.5	833.0	854.8	859.3	894.1	940.0	1020.2	1128.4
22.5°	861.5	863.2	852.6	855.9	878.4	884.0	924.3	970.3	1043.2	1158.1
25°	901.9	905.3	889.0	892.9	914.2	921.0	967.5	1015.7	1079.6	1199.0
27.5°	948.4	950.1	936.1	935.5	963.0	972.5	1019.6	1071.7	1128.4	1250.6
30°	1001.7	1006.7	993.3	991.0	1025.8	1033.6	1080.2	1140.7	1200.1	1327.9
32.5°	1043.7	1047.6	1039.8	1045.4	1080.7	1086.9	1153.6	1238.2	1312.8	1437.8
35°	1104.3	1106.5	1088.6	1098.7	1139.0	1154.7	1253.9	1375.0	1454.6	1575.7
37.5°	1323.4	1323.4	1247.2	1197.3	1236.0	1250.0	1391.3	1547.1	1629.5	1760.6
40°	1626.7	1621.6	1510.1	1408.1	1403.0	1430.5	1586.9	1764.0	1855.4	1982.6
42.5°	1950.1	1942.3	1790.4	1689.5	1672.6	1682.2	1812.8	2031.4	2124.4	2253.4
45°	2237.1	2234.9	2095.8	1960.2	1929.9	1960.2	2094.7	2344.2	2410.9	2546.5
47.5°	2477.6	2477.6	2376.1	2287.6	2271.9	2289.8	2476.5	2691.1	2685.0	2858.7
50°	2754.5	2752.2	2655.8	2617.7	2634.0	2659.2	2915.9	3056.6	2968.6	3165.4
52.5°	2948.4	2961.9	2928.8	2922.6	3005.6	3049.3	3362.1	3414.2	3222.5	3456.3
55°	3102.0	3117.7	3155.8	3199.0	3358.7	3415.9	3794.3	3753.4	3435.0	3708.5
57.5°	3319.5	3297.1	3355.9	3441.1	3699.5	3768.5	4213.0	4073.4	3605.9	3913.1
60°	3583.5	3586.9	3597.0	3704.6	4039.8	4128.4	4625.5	4376.1	3715.8	4038.7
62.5°	3900.8	3905.8	3926.6	4091.9	4496.6	4580.1	5065.0	4623.9	3766.2	4003.4
65°	3878.9	3900.2	4131.7	4697.3	5191.1	5273.5	5577.9	4797.6	3690.0	3680.5
67.5°	3533.6	3568.4	3955.7	5420.4	6238.2	6330.1	6197.9	4831.8	3361.0	2862.1
70°	3080.7	3093.0	3558.8	6070.6	7450.7	7543.7	6752.8	4455.7	2550.4	1596.4
72.5°	2405.8	2408.6	2955.1	6221.4	8108.7	8113.8	6317.2	3307.7	1371.6	613.2
75°	1718.6	1701.8	1979.3	5045.4	7133.9	7191.1	4736.0	1551.6	524.1	289.8
77.5°	921.5	940.0	1120.0	2992.1	4928.2	5025.8	2584.1	447.3	266.8	197.3
80°	284.8	300.4	459.1	1370.0	2791.5	2850.3	958.0	199.0	186.1	140.7
82.5°	89.7	93.0	214.1	575.7	1158.6	1185.5	277.5	112.7	127.2	93.0
85°	25.8	26.3	95.3	214.7	286.4	292.0	77.9	43.7	72.9	57.7
87.5°	2.8	9.0	35.9	35.9	25.2	24.7	8.4	9.5	20.7	7.3
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°
1108.7	0°	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7
1113.8	2.5°	1111.0	1111.5	1104.3	1091.9	1078.5	1067.3	1053.2	1042.0	1034.2	1031.9
1123.9	5°	1118.8	1114.9	1094.2	1056.6	1011.8	973.1	929.9	895.7	873.3	863.8
1134.5	7.5°	1130.6	1119.4	1074.0	1000.0	914.2	838.0	760.6	700.7	662.6	643.5
1144.6	10°	1140.7	1118.3	1040.4	918.2	787.0	671.5	567.3	495.0	454.6	435.5
1156.4	12.5°	1150.2	1117.7	996.6	821.2	643.5	502.2	405.3	369.4	358.2	354.3
1175.4	15°	1168.2	1119.4	941.7	710.2	500.6	379.5	344.2	343.6	345.9	344.7
1204.6	17.5°	1192.8	1121.1	879.5	592.5	386.2	334.6	333.0	338.0	341.4	339.7
1241.0	20°	1224.8	1127.8	813.3	475.9	331.8	323.4	327.4	331.8	334.6	331.8
1289.8	22.5°	1269.6	1139.6	741.0	382.3	314.5	316.7	320.1	325.1	327.9	324.0
1352.0	25°	1324.5	1158.1	669.8	332.4	306.1	308.9	313.9	319.5	322.9	318.9
1430.5	27.5°	1395.7	1187.8	604.3	321.2	297.6	299.3	306.6	315.0	319.5	314.5
1542.0	30°	1498.9	1236.5	547.6	326.2	292.6	288.7	298.8	310.5	315.6	311.1
1693.9	32.5°	1635.6	1305.5	512.9	334.1	290.4	276.3	285.9	301.0	309.4	306.6
1892.4	35°	1815.0	1410.3	499.4	343.0	288.7	263.5	270.2	286.4	301.0	303.8
2142.4	37.5°	2032.5	1556.0	503.4	347.0	283.6	252.8	256.2	270.2	289.2	298.2
2423.8	40°	2279.7	1725.9	525.8	343.0	278.0	243.8	244.4	255.0	271.9	285.3
2726.5	42.5°	2534.7	1924.3	567.3	328.5	273.0	236.0	234.3	241.6	252.8	262.3
3028.6	45°	2777.5	2128.4	608.2	308.3	266.8	228.1	224.2	227.0	229.3	233.2
3322.9	47.5°	2989.3	2271.9	596.4	289.8	258.4	219.2	212.4	211.3	204.6	204.0
3585.8	50°	3135.6	2303.2	529.7	271.3	246.1	209.1	198.4	191.7	179.9	174.3
3782.5	52.5°	3182.2	2179.4	432.7	252.8	225.9	195.6	180.5	169.8	155.3	150.2
3895.7	55°	3120.5	1936.7	345.9	230.4	197.9	177.7	160.9	146.9	135.1	128.9
3908.1	57.5°	2969.7	1627.8	273.5	204.0	168.2	157.5	140.7	126.7	116.6	110.4
3771.3	60°	2719.7	1292.6	216.4	172.6	143.5	135.6	118.3	109.3	100.3	93.0
3418.2	62.5°	2340.2	922.6	169.8	136.8	120.0	111.0	100.9	94.2	83.5	73.4
2783.1	65°	1826.2	564.5	131.2	100.3	96.4	91.9	85.8	79.6	66.7	56.6
1815.6	67.5°	1151.9	267.4	93.6	75.7	76.2	74.0	71.2	66.1	56.6	47.6
813.3	70°	507.3	129.5	61.7	57.7	56.6	56.6	58.9	57.2	48.2	39.8
282.5	72.5°	172.6	69.5	46.0	43.7	40.9	40.4	49.3	47.6	38.7	30.8
140.7	75°	90.2	46.5	33.6	31.4	24.7	29.7	39.2	37.0	27.5	20.2
93.0	77.5°	58.9	33.1	23.0	20.2	14.0	19.6	29.1	25.8	16.3	10.1
61.1	80°	37.0	21.9	13.5	9.5	6.7	10.7	15.7	11.2	6.2	2.2
35.9	82.5°	19.6	11.2	5.0	3.4	2.8	3.4	3.9	2.8	1.1	0.0
18.5	85°	7.8	3.9	1.7	1.1	0.6	0.0	1.1	0.6	0.0	0.0
3.4	87.5°	2.8	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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1108.7
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