

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: P852118

Luminaire Tested: **GLAN-SB1C-727-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852118
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-SB1C-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5044 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

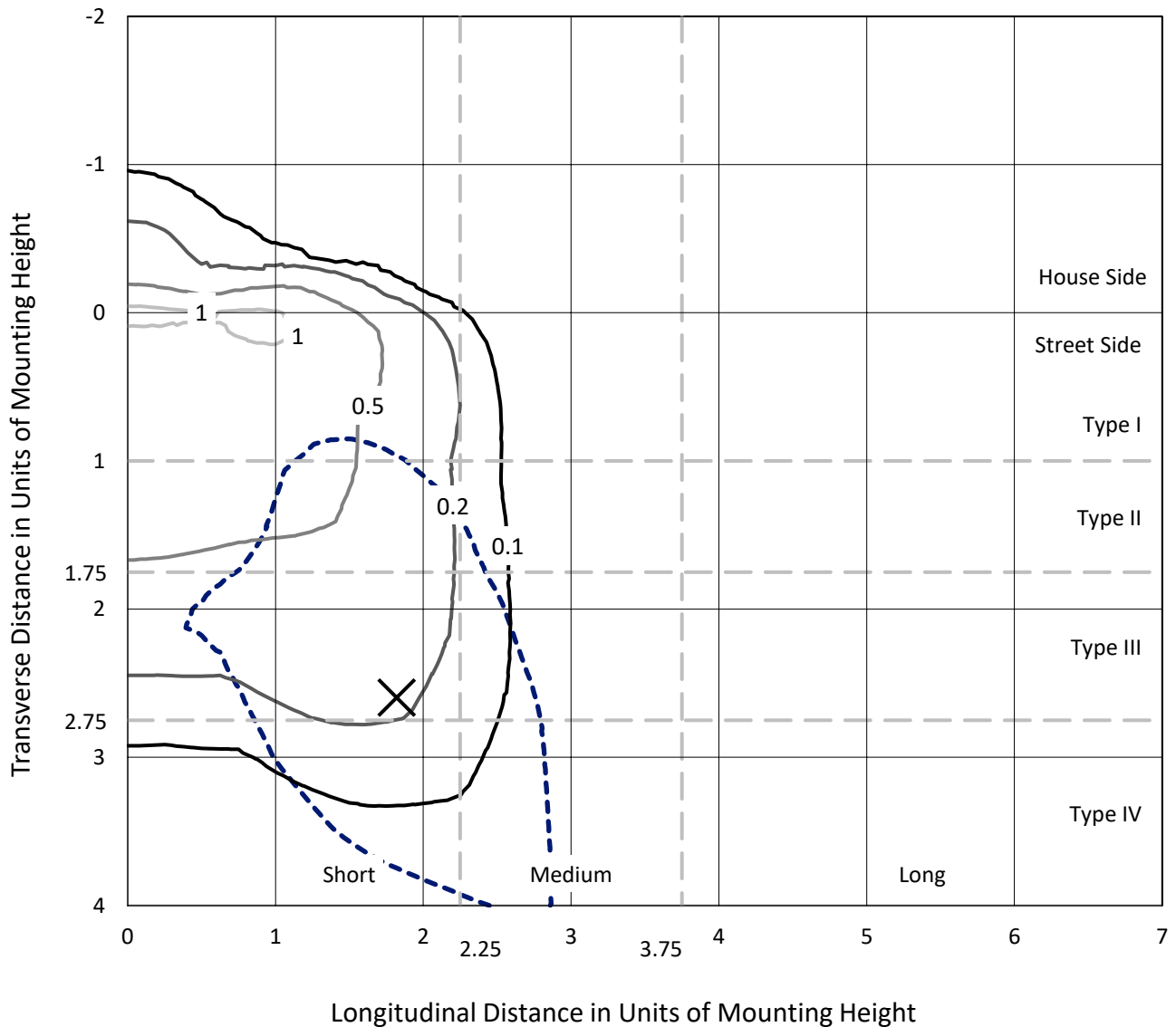
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

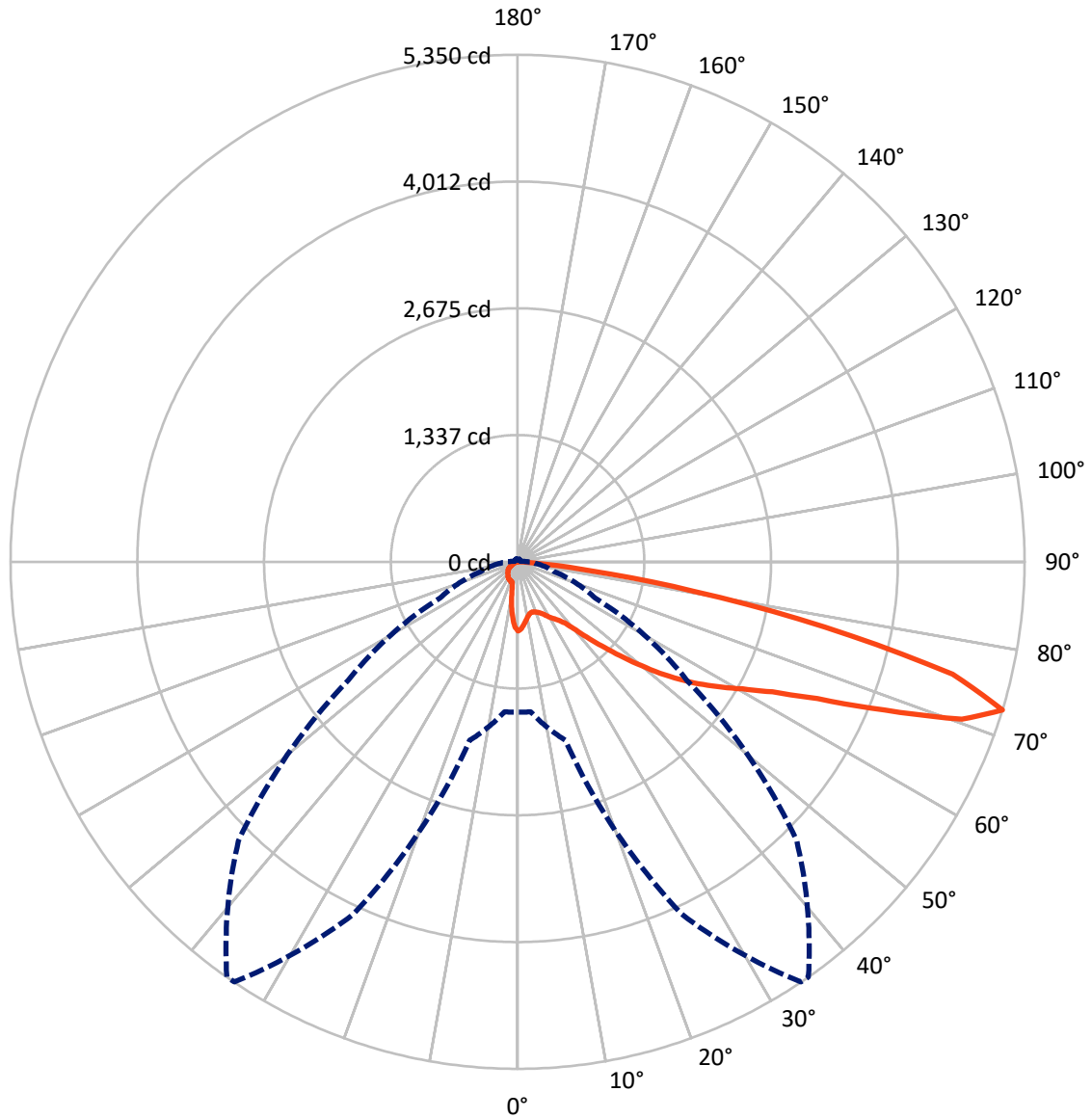
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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
House Side	Lumens	567.7	0.0	567.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4476.3	0.0	4476.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	5044.0	0.0	5044.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.2
10°-20°	140.5	2.8
20°-30°	228.3	4.5
30°-40°	380.9	7.6
40°-50°	720.7	14.3
50°-60°	1145.2	22.7
60°-70°	1416.6	28.1
70°-80°	880.6	17.5
80°-90°	71.2	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°	5044.0	100.0
0°-180°	5044.0	100.0

Coefficient of Utilization



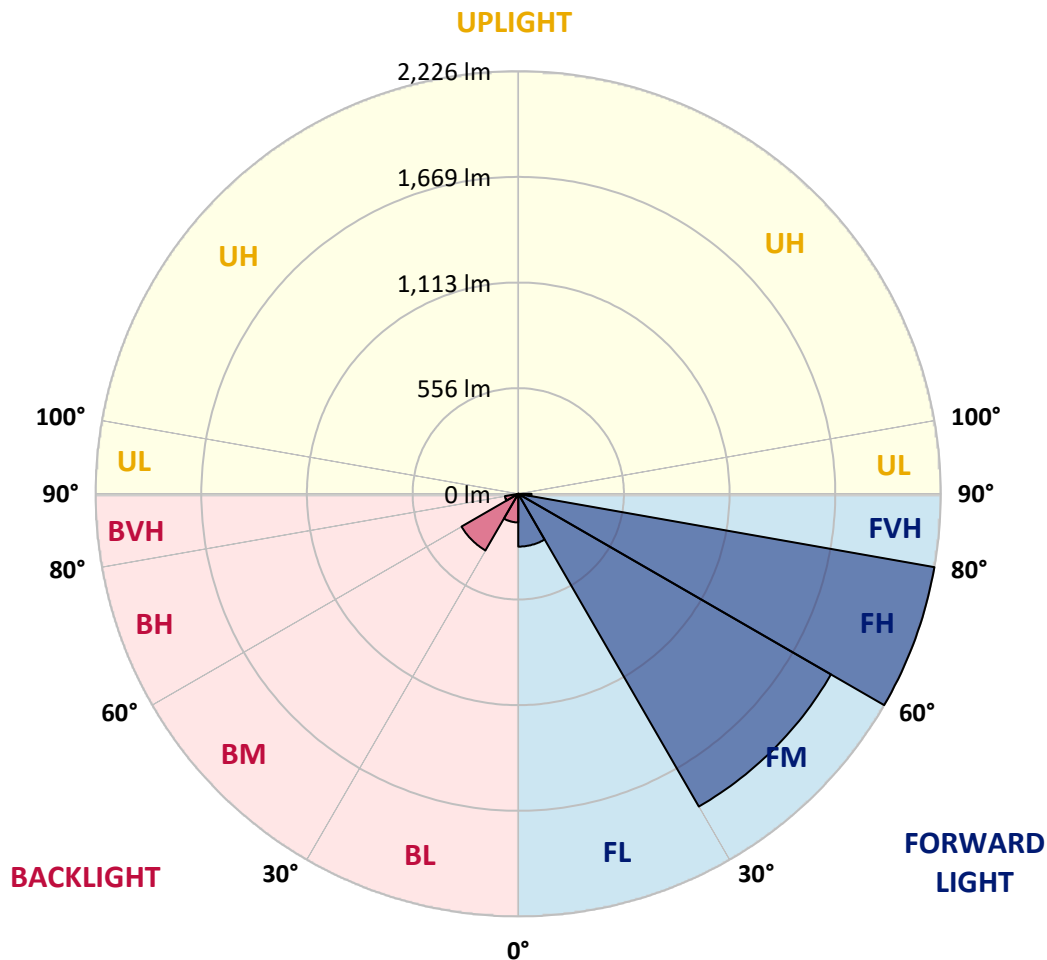
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.1	5.5			
FM (30°-60°)	1902.1	37.7			
FH (60°-80°)	2226.0	44.1			G2/5000
FVH (80°-90°)	70.2	1.4			G1/100
BL (0°-30°)	150.8	3.0	B1/500		
BM (30°-60°)	344.6	6.8	B1/1000		
BH (60°-80°)	71.2	1.4	B0/110		G0/110
BVH (80°-90°)	1.0	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°	731.0	731.0	731.0	731.0	731.0	731.0	731.0	731.0	731.0	731.0
2.5°	698.5	704.4	705.5	707.4	707.4	709.6	713.3	718.5	727.0	731.4
5°	643.8	648.3	653.8	658.2	666.7	667.8	682.3	696.3	715.9	730.7
7.5°	588.8	593.9	601.3	612.0	623.1	626.5	648.3	671.9	703.0	730.7
10°	549.9	550.3	557.0	567.7	585.4	589.5	616.1	649.7	688.5	726.2
12.5°	528.1	530.7	533.7	541.8	558.8	561.4	589.9	629.4	674.1	723.7
15°	528.1	530.0	531.8	535.9	549.6	551.8	576.9	616.5	666.7	724.8
17.5°	533.7	536.6	535.2	540.0	554.4	555.9	578.0	612.8	666.4	731.8
20°	547.0	549.2	546.3	549.2	563.6	566.6	589.5	619.8	672.6	744.0
22.5°	568.1	569.2	562.1	564.4	579.1	582.8	609.5	639.8	687.8	763.6
25°	594.7	596.9	586.2	588.8	602.8	607.2	637.9	669.7	711.8	790.5
27.5°	625.3	626.5	617.2	616.8	635.0	641.2	672.3	706.7	744.0	824.6
30°	660.5	663.8	654.9	653.4	676.3	681.5	712.2	752.1	791.3	875.6
32.5°	688.2	690.8	685.6	689.3	712.6	716.6	760.6	816.4	865.6	948.0
35°	728.1	729.6	717.7	724.4	751.0	761.4	826.8	906.6	959.1	1038.9
37.5°	872.6	872.6	822.3	789.4	814.9	824.2	917.3	1020.1	1074.4	1160.9
40°	1072.5	1069.2	995.7	928.4	925.1	943.2	1046.3	1163.1	1223.3	1307.2
42.5°	1285.8	1280.6	1180.5	1113.9	1102.9	1109.1	1195.2	1339.4	1400.7	1485.7
45°	1475.0	1473.5	1381.9	1292.4	1272.5	1292.4	1381.1	1545.6	1589.6	1679.0
47.5°	1633.6	1633.6	1566.7	1508.3	1497.9	1509.8	1632.8	1774.4	1770.3	1884.9
50°	1816.2	1814.7	1751.1	1726.0	1736.7	1753.3	1922.6	2015.4	1957.3	2087.1
52.5°	1944.0	1952.9	1931.1	1927.0	1981.7	2010.6	2216.8	2251.2	2124.8	2278.9
55°	2045.3	2055.6	2080.8	2109.2	2214.6	2252.3	2501.7	2474.8	2264.8	2445.2
57.5°	2188.7	2173.9	2212.7	2268.9	2439.3	2484.7	2777.8	2685.8	2377.6	2580.1
60°	2362.8	2365.0	2371.6	2442.6	2663.6	2722.0	3049.8	2885.4	2450.0	2662.9
62.5°	2572.0	2575.3	2589.0	2698.0	2964.8	3019.9	3339.6	3048.7	2483.3	2639.6
65°	2557.5	2571.6	2724.2	3097.1	3422.8	3477.1	3677.8	3163.3	2433.0	2426.7
67.5°	2329.9	2352.8	2608.2	3573.9	4113.1	4173.8	4086.5	3185.8	2216.0	1887.1
70°	2031.3	2039.4	2346.5	4002.6	4912.6	4973.9	4452.4	2937.9	1681.6	1052.6
72.5°	1586.3	1588.1	1948.5	4102.1	5346.5	5349.8	4165.3	2180.9	904.4	404.3
75°	1133.2	1122.1	1305.0	3326.7	4703.7	4741.4	3122.6	1023.0	345.6	191.1
77.5°	607.6	619.8	738.4	1972.9	3249.4	3313.7	1703.8	294.9	175.9	130.1
80°	187.8	198.1	302.7	903.3	1840.5	1879.4	631.6	131.2	122.7	92.8
82.5°	59.1	61.4	141.2	379.6	763.9	781.7	182.9	74.3	83.9	61.4
85°	17.0	17.4	62.8	141.6	188.9	192.6	51.4	28.8	48.0	38.1
87.5°	1.8	5.9	23.7	23.7	16.6	16.3	5.5	6.3	13.7	4.8
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°
731.0	0°	731.0	731.0	731.0	731.0	731.0	731.0	731.0	731.0	731.0	731.0
734.4	2.5°	732.5	732.9	728.1	720.0	711.1	703.7	694.5	687.1	681.9	680.4
741.0	5°	737.7	735.1	721.4	696.7	667.1	641.6	613.1	590.6	575.8	569.5
748.0	7.5°	745.5	738.1	708.1	659.3	602.8	552.5	501.5	462.0	436.9	424.3
754.7	10°	752.1	737.3	686.0	605.4	518.9	442.8	374.0	326.3	299.7	287.2
762.5	12.5°	758.4	737.0	657.1	541.4	424.3	331.2	267.2	243.6	236.2	233.6
775.0	15°	770.2	738.1	620.9	468.3	330.0	250.2	226.9	226.6	228.0	227.3
794.2	17.5°	786.5	739.2	579.9	390.7	254.6	220.6	219.5	222.9	225.1	224.0
818.3	20°	807.5	743.6	536.3	313.8	218.8	213.3	215.8	218.8	220.6	218.8
850.4	22.5°	837.1	751.4	488.6	252.1	207.3	208.8	211.0	214.4	216.2	213.6
891.4	25°	873.3	763.6	441.7	219.2	201.8	203.6	207.0	210.7	212.9	210.3
943.2	27.5°	920.3	783.2	398.4	211.8	196.3	197.4	202.2	207.7	210.7	207.3
1016.7	30°	988.3	815.3	361.1	215.1	192.9	190.3	197.0	204.8	208.1	205.1
1116.9	32.5°	1078.5	860.8	338.2	220.3	191.4	182.2	188.5	198.5	204.0	202.2
1247.7	35°	1196.7	929.9	329.3	226.2	190.3	173.7	178.1	188.9	198.5	200.3
1412.6	37.5°	1340.1	1026.0	331.9	228.8	187.0	166.7	168.9	178.1	190.7	196.6
1598.1	40°	1503.1	1138.0	346.7	226.2	183.3	160.8	161.1	168.2	179.3	188.1
1797.7	42.5°	1671.3	1268.8	374.0	216.6	180.0	155.6	154.5	159.3	166.7	173.0
1996.9	45°	1831.3	1403.3	401.0	203.3	175.9	150.4	147.8	149.7	151.2	153.7
2190.9	47.5°	1971.0	1497.9	393.2	191.1	170.4	144.5	140.1	139.3	134.9	134.5
2364.3	50°	2067.5	1518.6	349.3	178.9	162.2	137.9	130.8	126.4	118.6	114.9
2494.0	52.5°	2098.2	1437.0	285.3	166.7	148.9	129.0	119.0	112.0	102.4	99.0
2568.6	55°	2057.5	1276.9	228.0	151.9	130.5	117.2	106.1	96.8	89.1	85.0
2576.8	57.5°	1958.1	1073.3	180.4	134.5	110.9	103.9	92.8	83.5	76.9	72.8
2486.6	60°	1793.2	852.3	142.7	113.8	94.6	89.4	78.0	72.1	66.2	61.4
2253.7	62.5°	1543.0	608.3	112.0	90.2	79.1	73.2	66.5	62.1	55.1	48.4
1835.0	65°	1204.1	372.2	86.5	66.2	63.6	60.6	56.5	52.5	44.0	37.3
1197.1	67.5°	759.5	176.3	61.7	49.9	50.3	48.8	46.9	43.6	37.3	31.4
536.3	70°	334.5	85.4	40.7	38.1	37.3	37.3	38.8	37.7	31.8	26.2
186.3	72.5°	113.8	45.8	30.3	28.8	27.0	26.6	32.5	31.4	25.5	20.3
92.8	75°	59.5	30.7	22.2	20.7	16.3	19.6	25.9	24.4	18.1	13.3
61.4	77.5°	38.8	21.8	15.2	13.3	9.2	12.9	19.2	17.0	10.7	6.7
40.3	80°	24.4	14.4	8.9	6.3	4.4	7.0	10.3	7.4	4.1	1.5
23.7	82.5°	12.9	7.4	3.3	2.2	1.8	2.2	2.6	1.8	0.7	0.0
12.2	85°	5.2	2.6	1.1	0.7	0.4	0.0	0.7	0.4	0.0	0.0
2.2	87.5°	1.8	0.4	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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731.0
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