

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: P852242

Luminaire Tested: **GLAN-SB2B-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852242
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-SB2B-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 5491 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

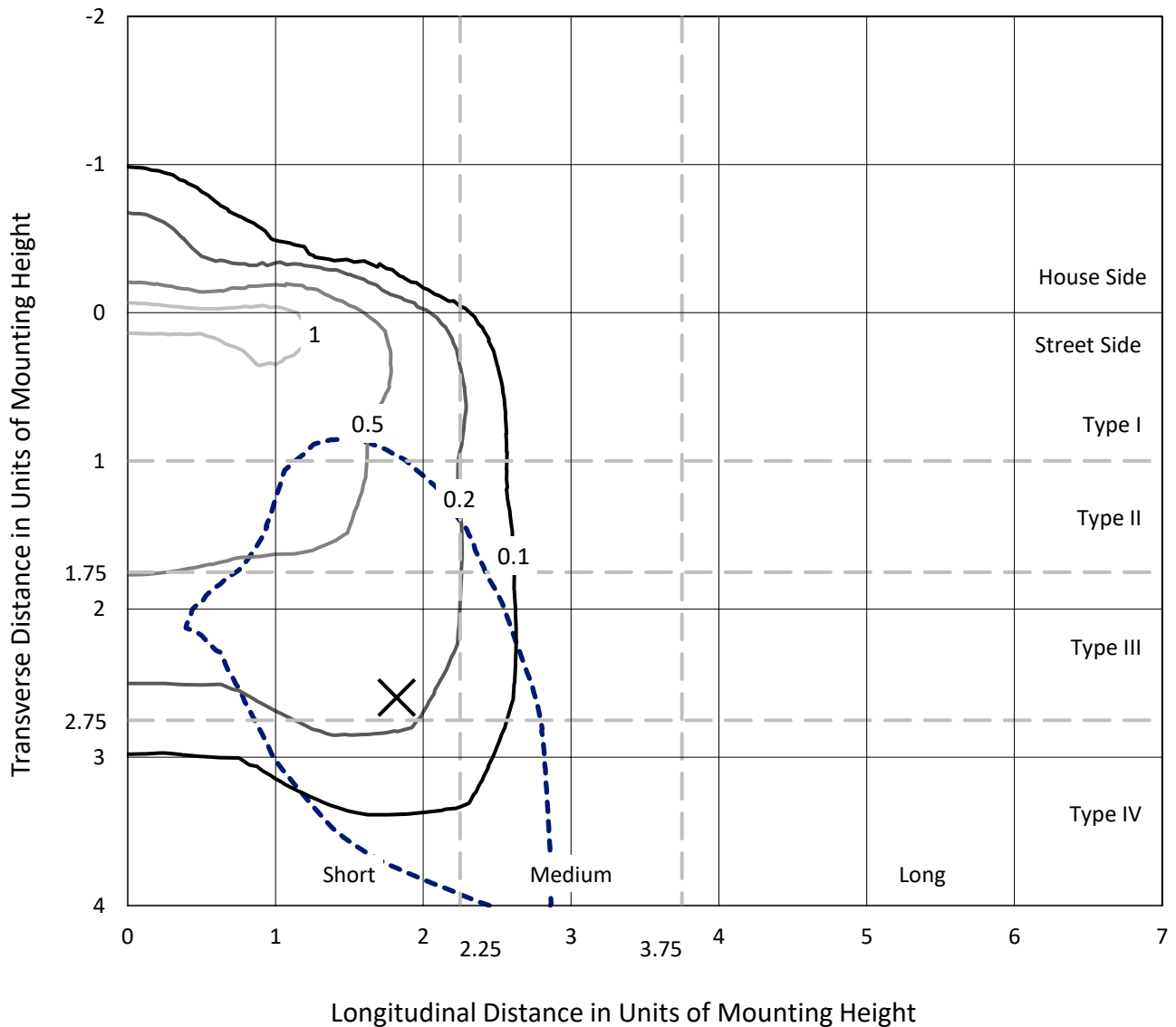
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

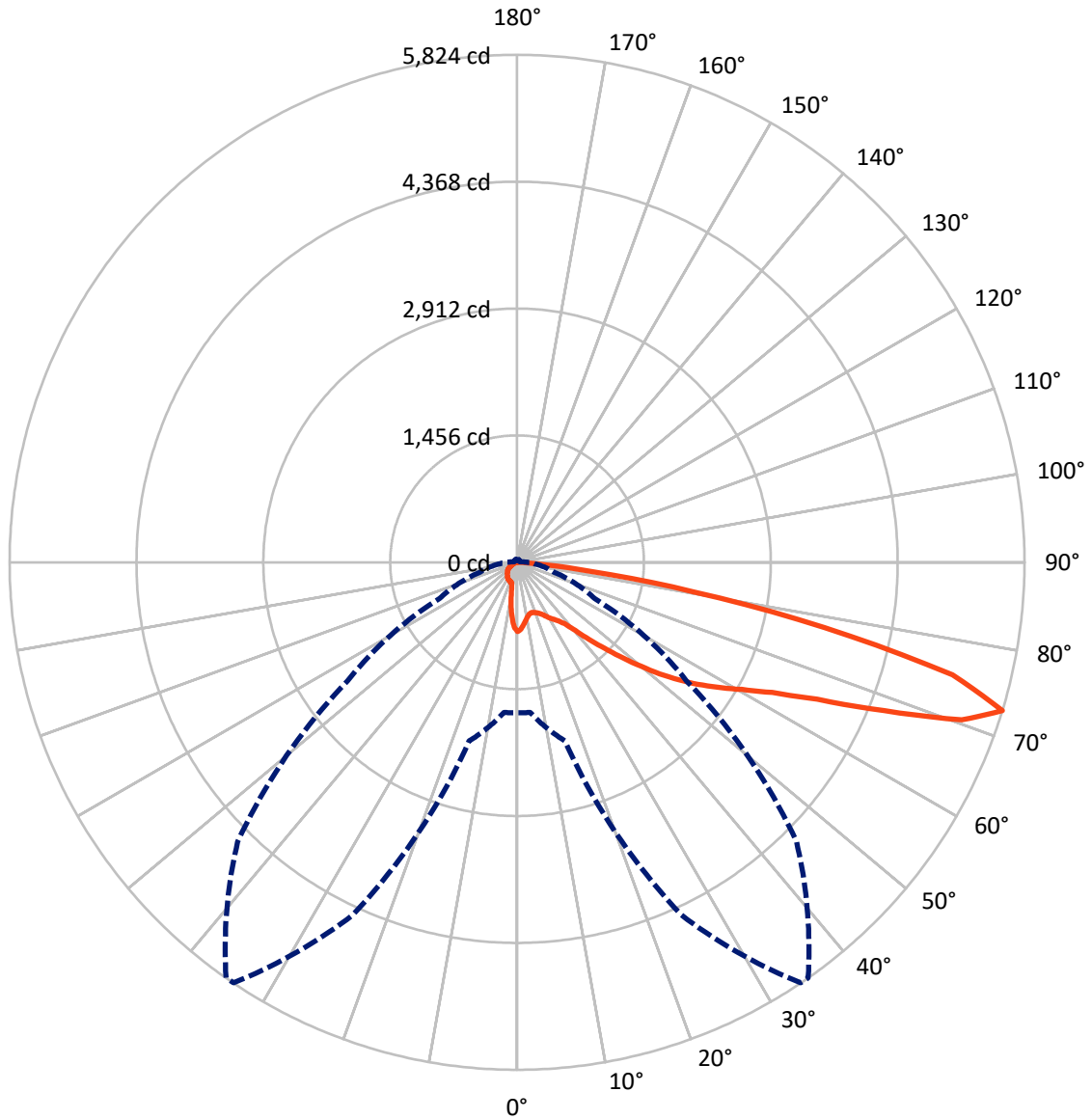
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	618.0	0.0	618.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4873.0	0.0	4873.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	5491.0	0.0	5491.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	1.2
10°-20°	153.0	2.8
20°-30°	248.5	4.5
30°-40°	414.7	7.6
40°-50°	784.5	14.3
50°-60°	1246.6	22.7
60°-70°	1542.2	28.1
70°-80°	958.6	17.5
80°-90°	77.5	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°	5491.0	100.0
0°-180°	5491.0	100.0

Coefficient of Utilization

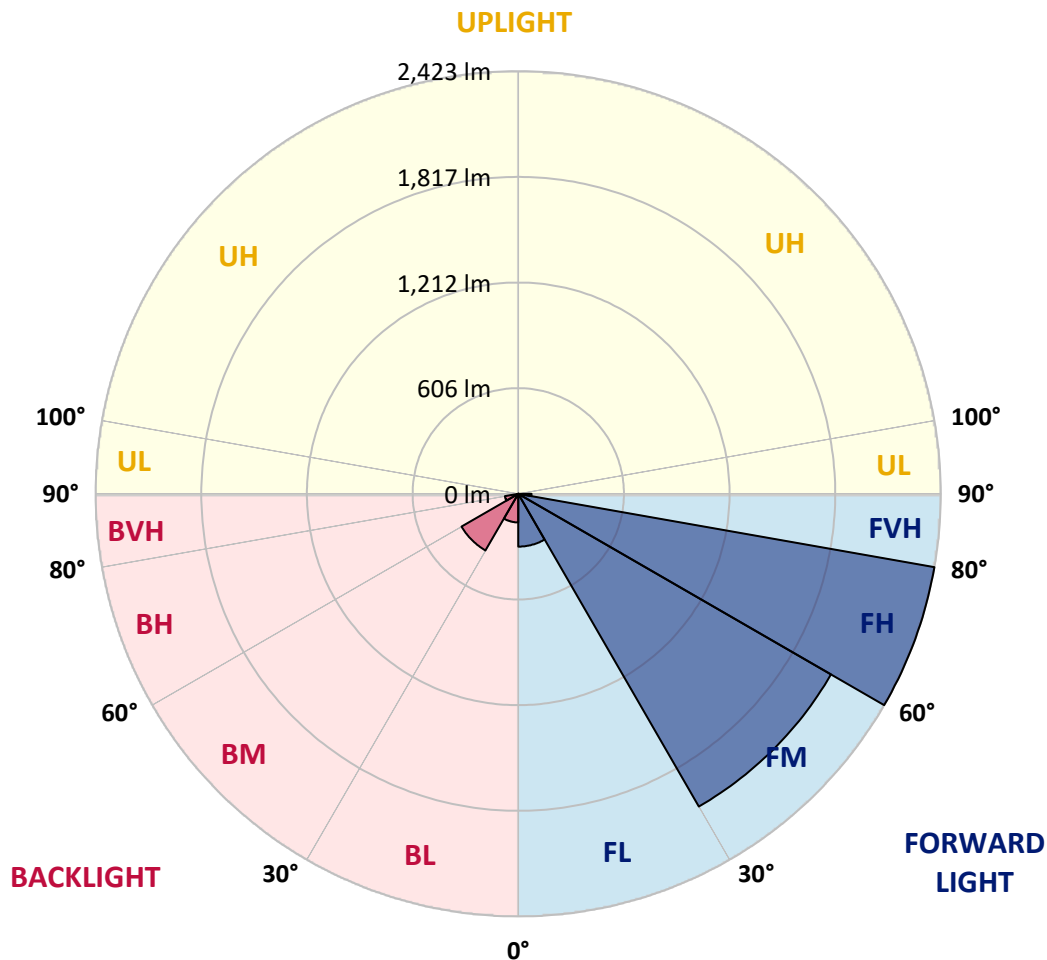


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	302.7	5.5			
FM (30°-60°)	2070.7	37.7			
FH (60°-80°)	2423.3	44.1			G2/5000
FVH (80°-90°)	76.4	1.4			G1/100
BL (0°-30°)	164.2	3.0	B1/500		
BM (30°-60°)	375.2	6.8	B1/1000		
BH (60°-80°)	77.5	1.4	B0/110		G0/110
BVH (80°-90°)	1.1	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°	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8
2.5°	760.4	766.9	768.1	770.1	770.1	772.5	776.5	782.2	791.4	796.2
5°	700.9	705.7	711.7	716.6	725.8	727.0	742.7	758.0	779.3	795.4
7.5°	640.9	646.6	654.6	666.3	678.3	682.0	705.7	731.5	765.3	795.4
10°	598.7	599.1	606.3	618.0	637.3	641.7	670.7	707.3	749.6	790.6
12.5°	574.9	577.8	581.0	589.8	608.3	611.2	642.1	685.2	733.9	787.8
15°	574.9	577.0	579.0	583.4	598.3	600.7	628.1	671.1	725.8	789.0
17.5°	581.0	584.2	582.6	587.8	603.5	605.1	629.3	667.1	725.4	796.6
20°	595.5	597.9	594.7	597.9	613.6	616.8	641.7	674.7	732.3	809.9
22.5°	618.4	619.6	612.0	614.4	630.5	634.5	663.5	696.5	748.8	831.2
25°	647.4	649.8	638.1	640.9	656.2	661.0	694.4	729.0	774.9	860.6
27.5°	680.8	682.0	671.9	671.5	691.2	698.1	731.9	769.3	809.9	897.6
30°	719.0	722.6	712.9	711.3	736.3	741.9	775.3	818.8	861.4	953.1
32.5°	749.2	752.0	746.3	750.4	775.7	780.1	828.0	888.8	942.3	1032.0
35°	792.6	794.2	781.3	788.6	817.6	828.8	900.0	986.9	1044.1	1131.0
37.5°	949.9	949.9	895.2	859.4	887.2	897.2	998.6	1110.5	1169.6	1263.8
40°	1167.6	1164.0	1083.9	1010.7	1007.1	1026.8	1139.0	1266.2	1331.7	1423.1
42.5°	1399.7	1394.1	1285.1	1212.7	1200.6	1207.4	1301.2	1458.1	1524.9	1617.4
45°	1605.7	1604.1	1504.4	1407.0	1385.3	1407.0	1503.5	1682.6	1730.5	1827.8
47.5°	1778.3	1778.3	1705.5	1642.0	1630.7	1643.6	1777.5	1931.6	1927.2	2051.9
50°	1977.1	1975.5	1906.3	1878.9	1890.6	1908.7	2093.0	2194.0	2130.8	2272.0
52.5°	2116.3	2126.0	2102.2	2097.8	2157.4	2188.7	2413.2	2450.7	2313.1	2480.8
55°	2226.6	2237.8	2265.2	2296.2	2410.8	2451.9	2723.4	2694.1	2465.5	2661.9
57.5°	2382.7	2366.6	2408.8	2470.0	2655.4	2704.9	3024.0	2923.8	2588.3	2808.7
60°	2572.2	2574.6	2581.8	2659.1	2899.7	2963.2	3320.1	3141.1	2667.1	2898.9
62.5°	2799.9	2803.5	2818.4	2937.1	3227.6	3287.5	3635.6	3318.9	2703.3	2873.5
65°	2784.2	2799.5	2965.7	3371.6	3726.1	3785.2	4003.7	3443.6	2648.6	2641.8
67.5°	2536.4	2561.3	2839.3	3890.6	4477.7	4543.6	4448.7	3468.2	2412.4	2054.4
70°	2211.3	2220.1	2554.5	4357.4	5347.9	5414.7	4847.0	3198.2	1830.7	1145.9
72.5°	1726.8	1728.9	2121.1	4465.6	5820.3	5823.9	4534.4	2374.2	984.5	440.2
75°	1233.6	1221.5	1420.7	3621.5	5120.6	5161.6	3399.4	1113.7	376.2	208.0
77.5°	661.4	674.7	803.9	2147.7	3537.4	3607.4	1854.8	321.1	191.5	141.6
80°	204.4	215.7	329.5	983.3	2003.7	2045.9	687.6	142.8	133.6	101.0
82.5°	64.4	66.8	153.7	413.2	831.6	851.0	199.2	80.9	91.3	66.8
85°	18.5	18.9	68.4	154.1	205.6	209.6	55.9	31.4	52.3	41.4
87.5°	2.0	6.4	25.7	25.7	18.1	17.7	6.0	6.8	14.9	5.2
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°
795.8	0°	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8	795.8
799.5	2.5°	797.4	797.8	792.6	783.8	774.1	766.1	756.0	748.0	742.3	740.7
806.7	5°	803.1	800.3	785.4	758.4	726.2	698.5	667.5	642.9	626.8	620.0
814.3	7.5°	811.5	803.5	770.9	717.8	656.2	601.5	546.0	502.9	475.6	461.9
821.6	10°	818.8	802.7	746.7	659.0	564.9	482.0	407.2	355.3	326.3	312.6
830.0	12.5°	825.6	802.3	715.4	589.4	461.9	360.5	290.9	265.1	257.1	254.3
843.7	15°	838.5	803.5	675.9	509.8	359.3	272.4	247.0	246.6	248.2	247.4
864.6	17.5°	856.2	804.7	631.3	425.3	277.2	240.2	239.0	242.6	245.0	243.8
890.8	20°	879.1	809.5	583.8	341.6	238.2	232.2	235.0	238.2	240.2	238.2
925.8	22.5°	911.3	818.0	531.9	274.4	225.7	227.3	229.7	233.4	235.4	232.6
970.4	25°	950.7	831.2	480.8	238.6	219.7	221.7	225.3	229.3	231.7	228.9
1026.8	27.5°	1001.8	852.6	433.7	230.5	213.6	214.8	220.1	226.1	229.3	225.7
1106.8	30°	1075.9	887.6	393.1	234.2	210.0	207.2	214.4	222.9	226.5	223.3
1215.9	32.5°	1174.0	937.1	368.1	239.8	208.4	198.4	205.2	216.1	222.1	220.1
1358.3	35°	1302.8	1012.3	358.5	246.2	207.2	189.1	193.9	205.6	216.1	218.1
1537.7	37.5°	1458.9	1116.9	361.3	249.0	203.6	181.5	183.9	193.9	207.6	214.0
1739.7	40°	1636.3	1238.8	377.4	246.2	199.6	175.0	175.4	183.1	195.1	204.8
1957.0	42.5°	1819.4	1381.2	407.2	235.8	195.9	169.4	168.2	173.4	181.5	188.3
2173.8	45°	1993.6	1527.7	436.5	221.3	191.5	163.8	160.9	162.9	164.6	167.4
2385.1	47.5°	2145.7	1630.7	428.1	208.0	185.5	157.3	152.5	151.7	146.9	146.5
2573.8	50°	2250.7	1653.2	380.2	194.7	176.6	150.1	142.4	137.6	129.2	125.1
2715.0	52.5°	2284.1	1564.3	310.6	181.5	162.1	140.4	129.6	121.9	111.4	107.8
2796.3	55°	2239.8	1390.1	248.2	165.4	142.0	127.5	115.5	105.4	97.0	92.5
2805.1	57.5°	2131.6	1168.4	196.3	146.5	120.7	113.1	101.0	90.9	83.7	79.3
2706.9	60°	1952.2	927.8	155.3	123.9	103.0	97.4	84.9	78.5	72.0	66.8
2453.5	62.5°	1679.8	662.3	121.9	98.2	86.1	79.7	72.4	67.6	59.9	52.7
1997.6	65°	1310.8	405.2	94.1	72.0	69.2	66.0	61.6	57.1	47.9	40.6
1303.2	67.5°	826.8	191.9	67.2	54.3	54.7	53.1	51.1	47.5	40.6	34.2
583.8	70°	364.1	92.9	44.3	41.4	40.6	40.6	42.2	41.0	34.6	28.6
202.8	72.5°	123.9	49.9	33.0	31.4	29.4	29.0	35.4	34.2	27.8	22.1
101.0	75°	64.8	33.4	24.1	22.5	17.7	21.3	28.2	26.6	19.7	14.5
66.8	77.5°	42.2	23.7	16.5	14.5	10.1	14.1	20.9	18.5	11.7	7.2
43.9	80°	26.6	15.7	9.7	6.8	4.8	7.6	11.3	8.0	4.4	1.6
25.7	82.5°	14.1	8.0	3.6	2.4	2.0	2.4	2.8	2.0	0.8	0.0
13.3	85°	5.6	2.8	1.2	0.8	0.4	0.0	0.8	0.4	0.0	0.0
2.4	87.5°	2.0	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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795.8
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