

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: P845987

Luminaire Tested: **GLAN-SB1B-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845987
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2845 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

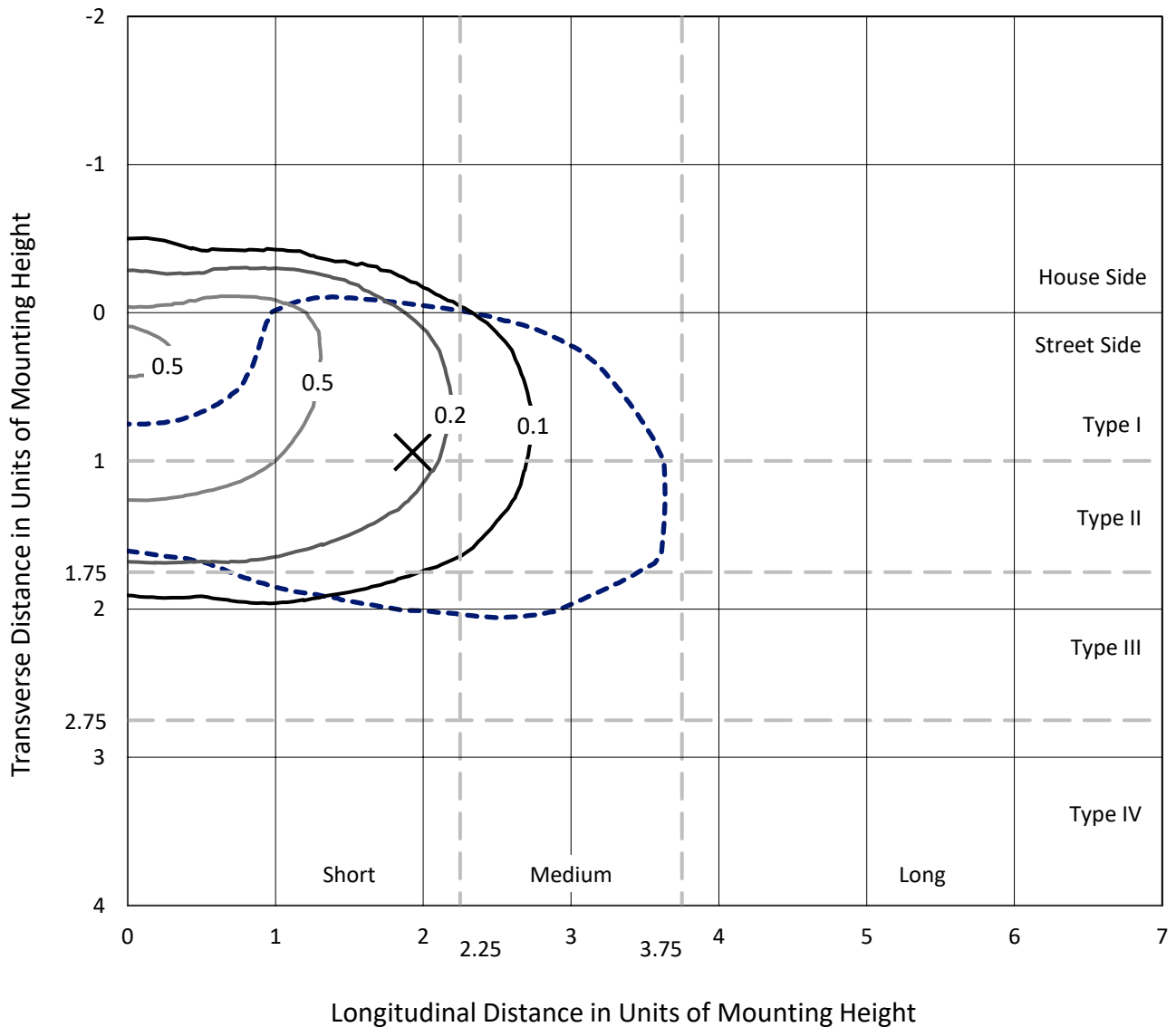
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

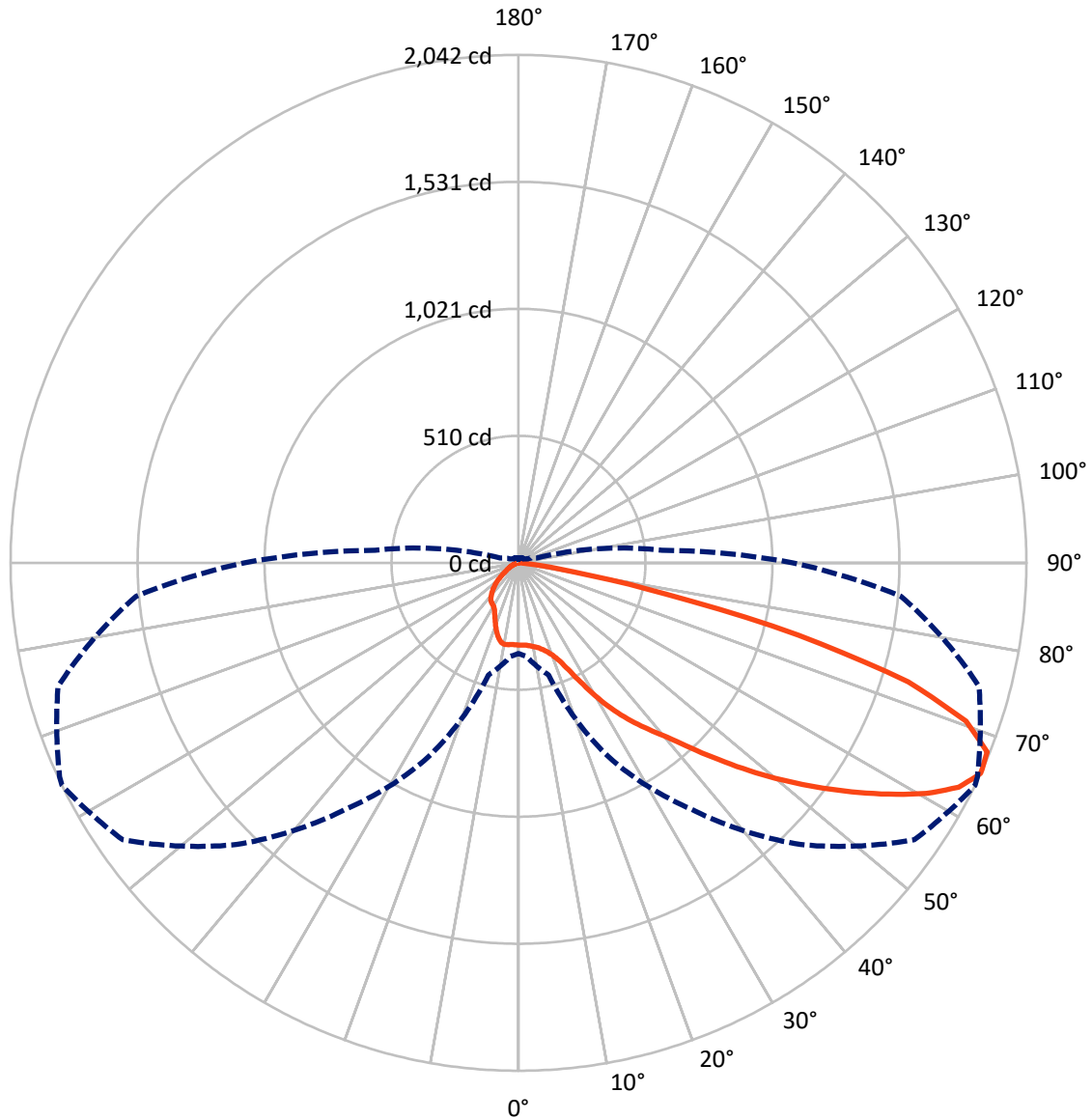
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	380.5	0.0	380.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	2464.5	0.0	2464.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	2845.0	0.0	2845.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	1.1
10°-20°	82.8	2.9
20°-30°	156.9	5.5
30°-40°	317.5	11.2
40°-50°	540.9	19.0
50°-60°	735.5	25.9
60°-70°	690.7	24.3
70°-80°	276.7	9.7
80°-90°	13.4	0.5
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°	2845.0	100.0
0°-180°	2845.0	100.0

Coefficient of Utilization



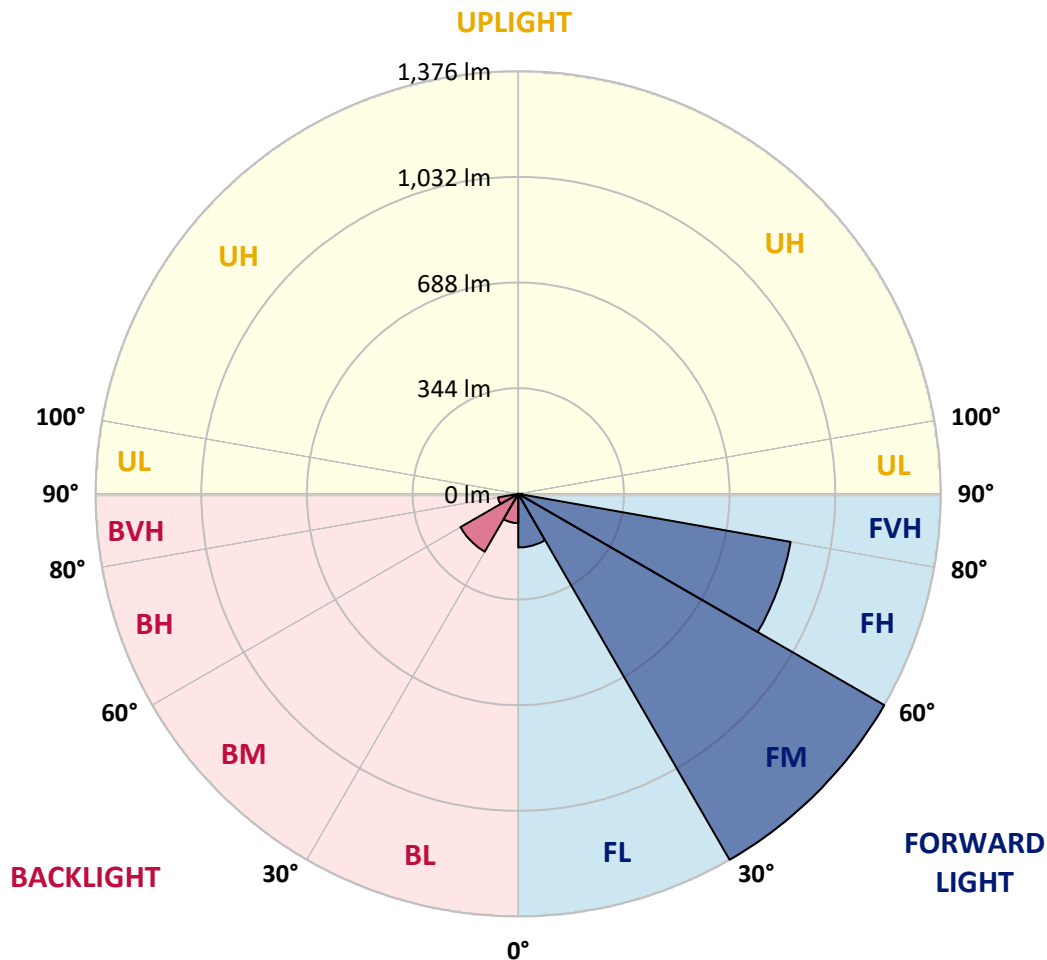
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.7	6.1			
FM (30°-60°)	1376.4	48.4			
FH (60°-80°)	900.7	31.7			G1/1800
FVH (80°-90°)	12.8	0.4			G1/100
BL (0°-30°)	95.5	3.4	B0/110		
BM (30°-60°)	217.5	7.6	B0/220		
BH (60°-80°)	66.8	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9
2.5°	329.8	332.0	331.5	330.9	330.7	331.1	331.3	331.1	331.1	331.1
5°	323.5	325.4	325.4	326.7	328.6	330.9	332.6	333.0	333.4	334.0
7.5°	311.4	313.0	314.1	318.5	323.3	329.4	334.5	337.2	337.6	339.7
10°	303.2	305.2	307.1	311.6	318.5	327.7	336.4	342.9	343.9	348.8
12.5°	302.9	304.8	307.3	312.2	320.2	329.9	340.6	350.0	351.7	358.9
15°	306.9	309.2	311.4	317.6	326.1	338.0	349.4	361.0	362.8	373.1
17.5°	315.1	318.1	319.8	325.9	335.1	348.3	363.3	376.7	378.2	390.2
20°	331.3	334.9	335.5	340.4	349.4	363.5	381.4	398.0	399.9	413.7
22.5°	364.9	370.0	365.4	367.9	375.9	390.0	409.5	430.5	433.1	448.8
25°	424.0	431.2	419.4	415.2	418.6	433.3	457.7	484.2	487.3	499.9
27.5°	540.1	530.8	512.9	495.3	485.0	493.4	520.9	553.7	557.5	569.7
30°	667.7	659.5	635.3	596.4	572.0	570.6	596.0	632.6	637.0	648.6
32.5°	795.5	787.7	761.4	713.5	671.2	650.2	667.7	708.3	710.6	718.1
35°	921.2	913.2	886.9	837.8	785.8	738.1	734.7	780.4	781.2	789.0
37.5°	1047.6	1041.0	1012.9	964.9	913.6	847.8	815.9	848.7	849.7	857.3
40°	1137.8	1140.7	1121.4	1084.3	1040.2	968.3	907.1	921.4	915.7	928.4
42.5°	1215.3	1221.0	1204.2	1185.5	1160.0	1096.7	1020.0	1017.5	1008.3	1015.2
45°	1282.2	1287.0	1271.9	1267.5	1267.0	1222.5	1143.4	1128.5	1115.7	1114.4
47.5°	1306.8	1316.0	1322.5	1337.2	1365.8	1347.1	1271.0	1247.9	1233.6	1223.1
50°	1316.2	1325.9	1348.0	1390.7	1458.5	1466.5	1398.0	1372.1	1354.5	1335.4
52.5°	1303.6	1320.9	1350.7	1422.6	1520.8	1562.2	1519.9	1497.2	1477.1	1446.1
55°	1229.4	1246.8	1307.6	1422.2	1551.9	1629.3	1635.1	1625.0	1602.4	1553.4
57.5°	1073.0	1098.8	1195.1	1373.8	1551.3	1687.1	1748.0	1755.2	1730.0	1659.9
60°	856.3	891.2	1008.7	1266.4	1503.5	1718.4	1847.0	1883.2	1856.5	1764.8
62.5°	597.5	638.0	749.2	1098.2	1394.0	1695.9	1919.2	1986.2	1966.0	1858.6
65°	364.5	377.4	467.1	864.2	1207.8	1601.7	1941.6	2041.9	2035.2	1916.0
67.5°	242.8	253.7	279.4	592.6	937.6	1413.4	1888.1	2032.1	2034.1	1906.6
70°	146.3	155.6	172.4	344.6	607.6	1118.8	1722.8	1908.2	1919.2	1781.7
72.5°	60.3	66.6	81.8	156.2	314.7	710.1	1371.9	1638.3	1664.1	1498.1
75°	34.1	37.4	48.1	78.4	136.6	330.9	831.0	1163.0	1201.0	1032.6
77.5°	22.7	24.2	31.1	50.7	76.9	112.9	355.1	605.9	678.4	564.0
80°	15.3	16.6	21.4	33.9	50.0	48.4	113.1	224.5	276.2	193.8
82.5°	10.3	10.5	15.3	22.3	31.7	23.5	33.4	69.8	87.7	56.1
85°	5.9	5.7	11.3	13.0	14.1	9.7	10.1	21.0	27.5	23.6
87.5°	0.8	1.1	4.4	3.4	1.9	2.1	2.1	3.6	5.3	5.7
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°
330.9	0°	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9
331.3	2.5°	331.3	331.1	330.5	329.9	328.6	327.9	328.2	327.9	327.7	327.9
333.8	5°	333.8	333.2	331.7	329.8	327.1	323.8	321.7	318.7	315.8	314.1
340.4	7.5°	340.4	339.9	337.8	332.4	323.8	310.3	297.9	287.0	278.8	274.1
351.1	10°	351.1	350.2	346.9	335.1	312.6	283.0	258.4	238.0	224.7	218.4
363.7	12.5°	363.7	362.6	356.8	332.6	291.2	245.1	211.1	188.4	176.0	170.5
378.2	15°	378.6	377.1	365.8	320.8	260.1	203.1	172.0	155.1	147.0	142.1
396.7	17.5°	397.1	394.4	372.5	303.1	226.4	171.1	148.0	135.2	128.2	123.4
420.9	20°	421.1	416.7	377.8	281.9	195.3	150.9	131.8	121.1	115.8	111.6
455.3	22.5°	454.7	448.4	384.3	259.0	173.4	136.9	119.8	112.0	107.6	102.8
503.1	25°	496.3	488.8	392.3	237.8	158.3	124.9	111.0	104.5	99.4	93.8
565.9	27.5°	554.4	541.1	401.9	220.5	145.3	114.6	103.0	95.7	89.8	85.3
637.0	30°	619.3	597.3	410.2	210.0	133.5	105.1	92.5	85.3	79.7	76.5
700.9	32.5°	680.7	650.9	415.8	205.4	122.8	94.2	81.1	73.2	69.0	68.1
763.5	35°	738.7	699.4	415.2	201.0	113.3	83.3	69.8	61.8	58.6	59.1
830.8	37.5°	805.4	751.1	411.2	194.2	105.5	73.4	60.1	53.0	50.2	50.4
912.6	40°	883.0	810.8	408.7	181.2	96.9	64.3	52.1	46.3	44.2	43.5
998.8	42.5°	965.8	868.5	409.1	166.5	86.2	56.1	46.5	41.8	39.9	39.3
1094.7	45°	1049.0	923.7	409.7	151.2	75.0	49.8	42.5	38.5	37.4	36.6
1192.0	47.5°	1127.2	970.6	399.0	134.8	63.9	45.0	39.3	36.6	35.7	34.7
1289.7	50°	1200.0	1001.9	373.2	115.8	55.1	41.2	36.8	34.9	33.9	33.0
1378.2	52.5°	1256.7	1006.8	330.7	96.1	49.0	38.3	35.3	33.6	32.4	31.5
1449.7	55°	1281.8	975.7	270.3	77.8	44.2	35.9	33.8	32.0	30.7	29.8
1505.9	57.5°	1275.4	910.3	210.7	62.6	39.7	33.4	31.9	30.7	29.2	27.7
1551.5	60°	1243.5	822.8	158.9	52.1	35.5	30.7	29.8	28.8	26.7	24.4
1569.1	62.5°	1188.4	712.7	113.3	43.1	30.9	27.7	27.3	26.5	23.5	19.3
1543.1	65°	1104.1	579.0	76.3	35.9	26.5	24.2	24.4	23.1	19.1	14.3
1448.2	67.5°	980.9	423.4	48.8	29.4	22.1	20.2	20.4	19.6	16.2	12.2
1268.1	70°	823.9	280.4	31.9	22.3	17.7	15.6	16.8	17.0	13.7	9.9
973.3	72.5°	604.0	165.5	22.3	16.6	13.0	10.9	13.7	14.1	11.1	7.4
585.5	75°	344.3	78.6	16.8	12.0	8.0	7.6	10.7	10.7	7.6	5.0
253.5	77.5°	144.6	32.8	11.8	7.8	4.6	4.4	7.2	6.7	3.8	2.3
61.8	80°	41.8	14.7	6.3	3.8	1.9	1.7	2.9	2.1	1.0	0.4
23.5	82.5°	16.4	6.5	2.5	1.5	0.8	0.8	0.4	0.0	0.0	0.0
13.4	85°	9.7	2.7	1.1	0.6	0.2	0.0	0.0	0.0	0.0	0.0
2.9	87.5°	2.5	0.6	0.4	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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330.9
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