

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: P852106

Luminaire Tested: **GLAN-SB1B-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852106
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-SB1B-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA 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: 2747 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

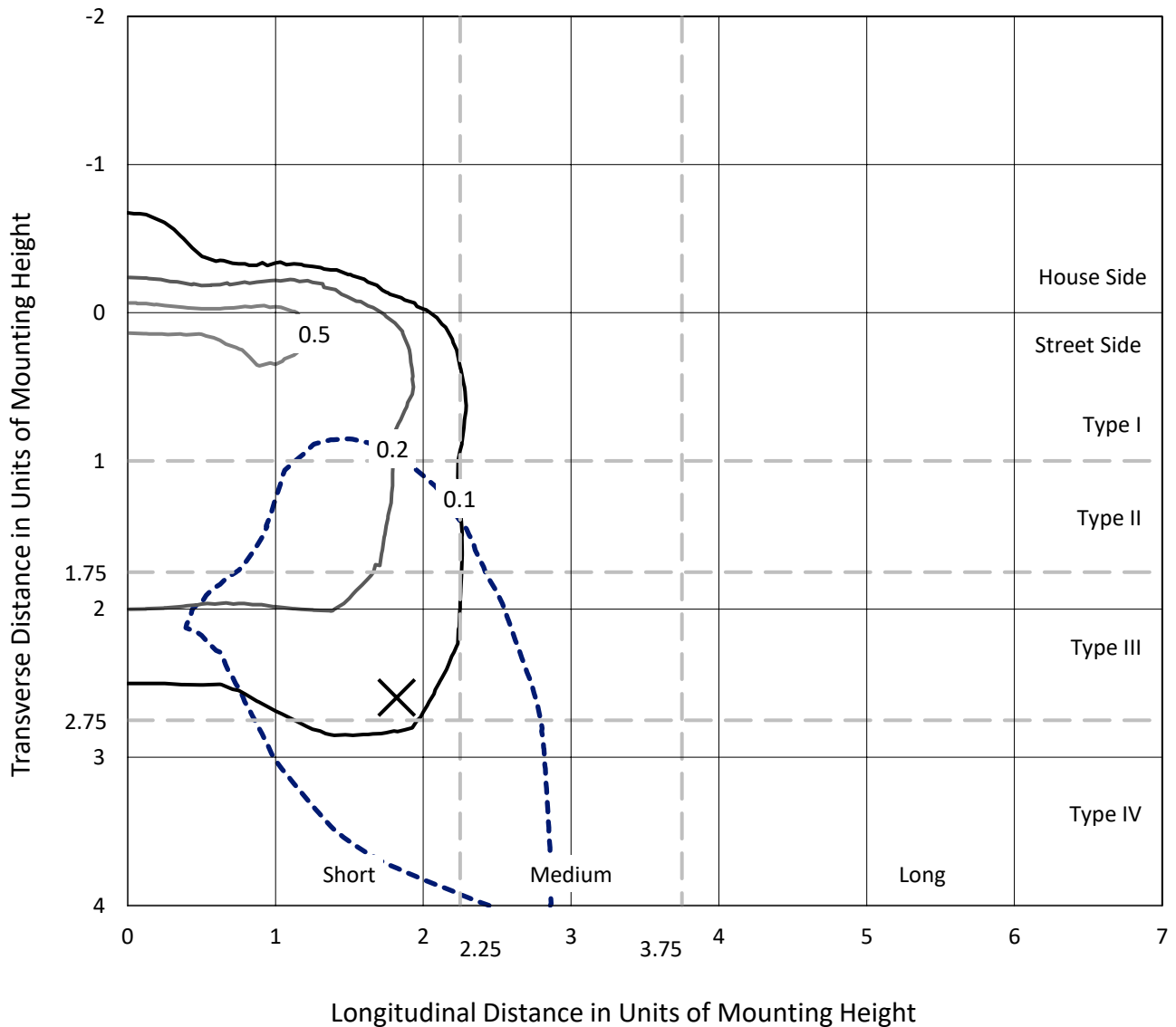
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

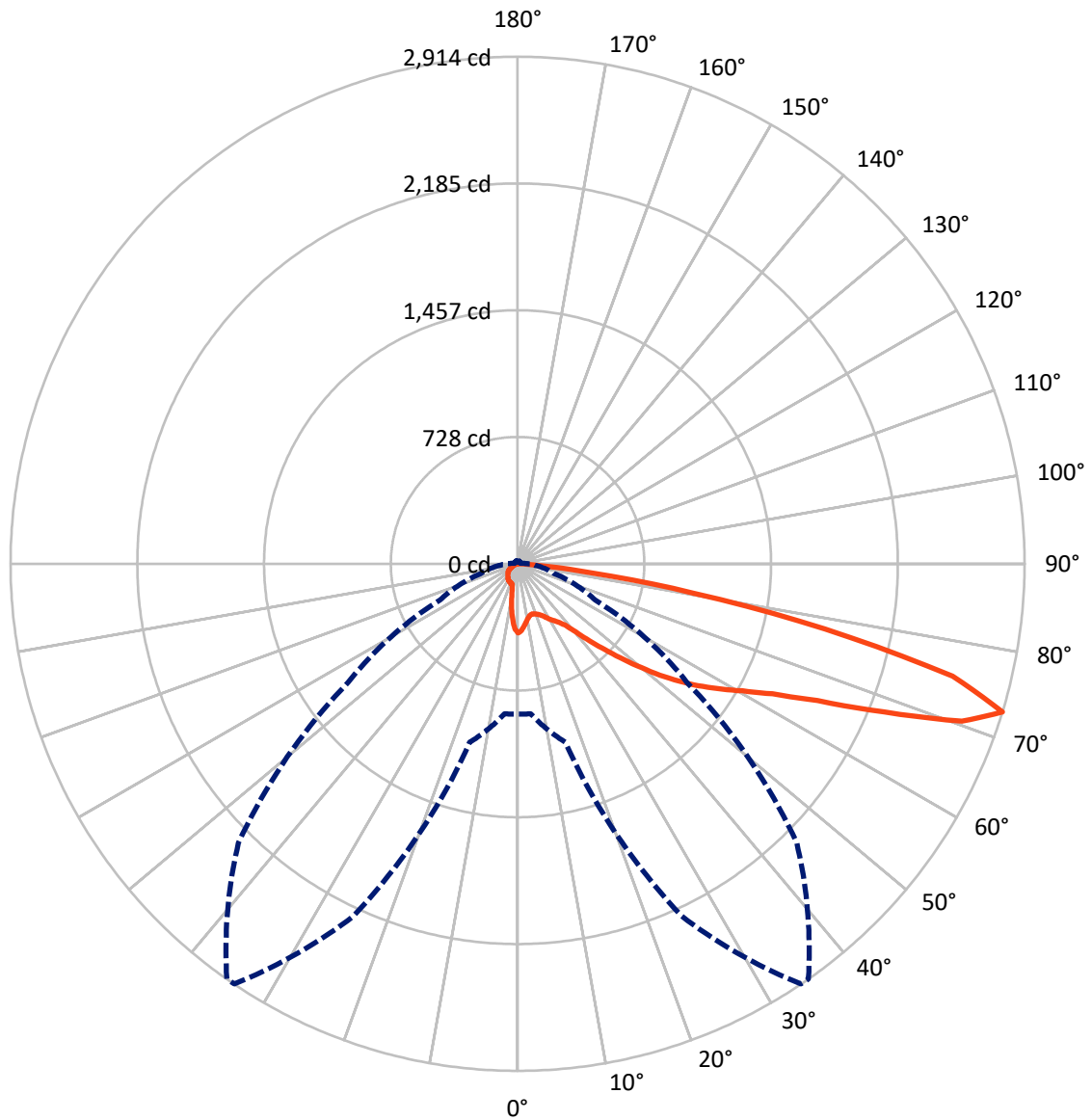
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	309.2	0.0	309.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	2437.8	0.0	2437.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	2747.0	0.0	2747.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	1.2
10°-20°	76.5	2.8
20°-30°	124.3	4.5
30°-40°	207.4	7.6
40°-50°	392.5	14.3
50°-60°	623.7	22.7
60°-70°	771.5	28.1
70°-80°	479.6	17.5
80°-90°	38.8	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°	2747.0	100.0
0°-180°	2747.0	100.0

Coefficient of Utilization



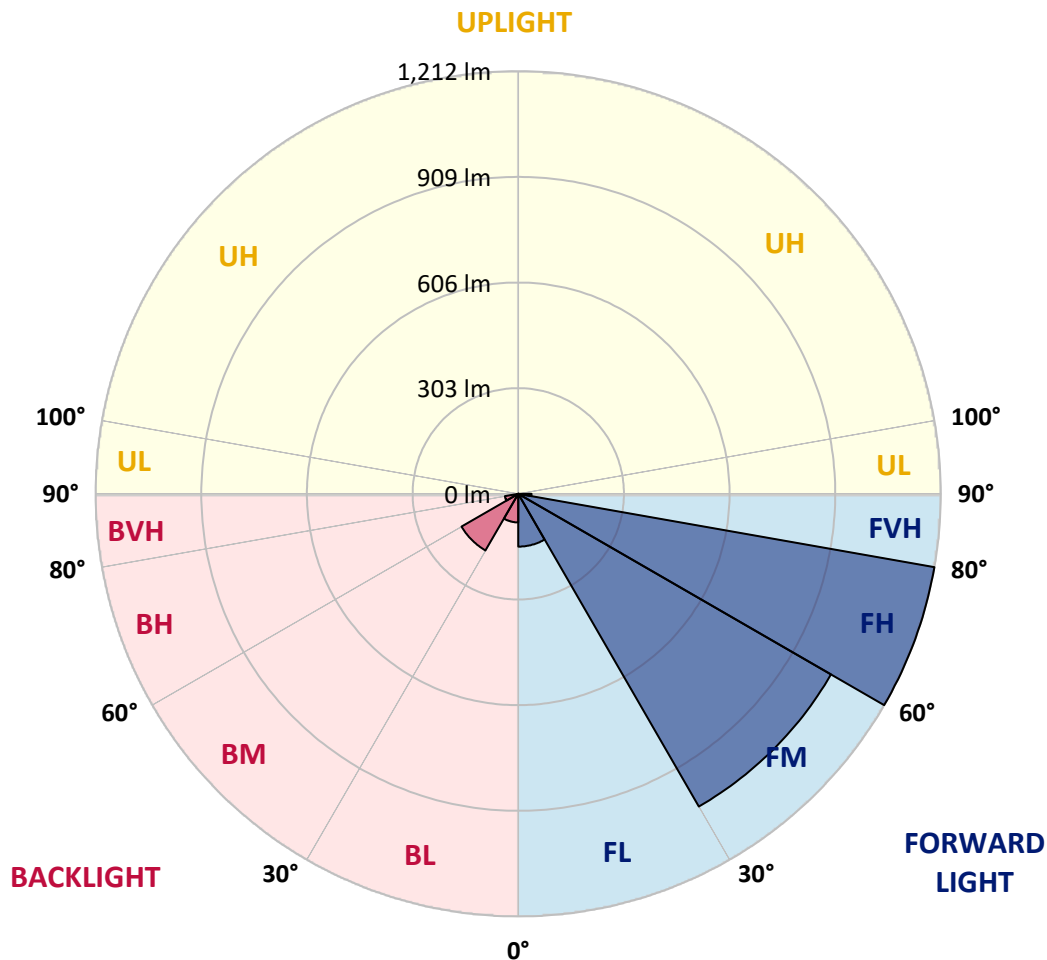
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.4	5.5			
FM	(30°-60°)	1035.9	37.7			
FH	(60°-80°)	1212.3	44.1			G1/1800
FVH	(80°-90°)	38.2	1.4			G1/100
BL	(0°-30°)	82.2	3.0	B0/110		
BM	(30°-60°)	187.7	6.8	B0/220		
BH	(60°-80°)	38.8	1.4	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1
2.5°	380.4	383.6	384.2	385.3	385.3	386.5	388.5	391.3	395.9	398.3
5°	350.6	353.0	356.1	358.5	363.1	363.7	371.6	379.2	389.9	397.9
7.5°	320.6	323.5	327.5	333.3	339.4	341.2	353.0	365.9	382.8	397.9
10°	299.5	299.7	303.3	309.2	318.8	321.0	335.5	353.9	375.0	395.5
12.5°	287.6	289.0	290.6	295.1	304.3	305.7	321.2	342.8	367.1	394.1
15°	287.6	288.6	289.6	291.9	299.3	300.5	314.2	335.7	363.1	394.7
17.5°	290.6	292.3	291.5	294.1	301.9	302.7	314.8	333.7	362.9	398.5
20°	297.9	299.1	297.5	299.1	307.0	308.6	321.0	337.5	366.3	405.2
22.5°	309.4	310.0	306.1	307.4	315.4	317.4	331.9	348.4	374.6	415.8
25°	323.9	325.1	319.2	320.6	328.3	330.7	347.4	364.7	387.7	430.5
27.5°	340.6	341.2	336.1	335.9	345.8	349.2	366.1	384.8	405.2	449.1
30°	359.7	361.5	356.7	355.9	368.3	371.2	387.9	409.6	430.9	476.8
32.5°	374.8	376.2	373.4	375.4	388.1	390.3	414.2	444.6	471.4	516.3
35°	396.5	397.3	390.9	394.5	409.0	414.6	450.3	493.7	522.3	565.8
37.5°	475.2	475.2	447.8	429.9	443.8	448.9	499.6	555.5	585.1	632.2
40°	584.1	582.3	542.2	505.6	503.8	513.7	569.8	633.4	666.2	711.9
42.5°	700.3	697.4	642.9	606.7	600.6	604.0	650.9	729.4	762.9	809.1
45°	803.3	802.5	752.6	703.9	693.0	703.9	752.2	841.8	865.7	914.4
47.5°	889.7	889.7	853.2	821.4	815.8	822.2	889.3	966.3	964.1	1026.5
50°	989.1	988.3	953.7	940.0	945.8	954.9	1047.1	1097.6	1066.0	1136.6
52.5°	1058.7	1063.6	1051.7	1049.5	1079.3	1095.0	1207.3	1226.0	1157.2	1241.1
55°	1113.9	1119.5	1133.2	1148.7	1206.1	1226.6	1362.5	1347.8	1233.4	1331.7
57.5°	1192.0	1183.9	1205.1	1235.7	1328.4	1353.2	1512.8	1462.7	1294.8	1405.1
60°	1286.8	1288.0	1291.6	1330.3	1450.6	1482.4	1661.0	1571.4	1334.3	1450.2
62.5°	1400.7	1402.5	1410.0	1469.3	1614.7	1644.7	1818.8	1660.4	1352.4	1437.5
65°	1392.9	1400.5	1483.6	1686.7	1864.1	1893.6	2002.9	1722.8	1325.0	1321.6
67.5°	1268.9	1281.4	1420.4	1946.4	2240.0	2273.1	2225.6	1735.0	1206.9	1027.7
70°	1106.2	1110.7	1277.9	2179.9	2675.4	2708.8	2424.8	1600.0	915.8	573.2
72.5°	863.9	864.9	1061.1	2234.0	2911.7	2913.5	2268.4	1187.8	492.5	220.2
75°	617.1	611.1	710.7	1811.7	2561.7	2582.2	1700.6	557.1	188.2	104.1
77.5°	330.9	337.5	402.2	1074.4	1769.7	1804.7	927.9	160.6	95.8	70.9
80°	102.3	107.9	164.8	491.9	1002.4	1023.5	344.0	71.5	66.8	50.5
82.5°	32.2	33.4	76.9	206.7	416.0	425.7	99.6	40.5	45.7	33.4
85°	9.3	9.5	34.2	77.1	102.9	104.9	28.0	15.7	26.2	20.7
87.5°	1.0	3.2	12.9	12.9	9.1	8.9	3.0	3.4	7.4	2.6
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°
398.1	0°	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1
399.9	2.5°	398.9	399.1	396.5	392.1	387.3	383.2	378.2	374.2	371.4	370.6
403.6	5°	401.8	400.3	392.9	379.4	363.3	349.4	333.9	321.6	313.6	310.2
407.4	7.5°	406.0	402.0	385.7	359.1	328.3	300.9	273.1	251.6	237.9	231.1
411.0	10°	409.6	401.6	373.6	329.7	282.6	241.1	203.7	177.7	163.2	156.4
415.2	12.5°	413.0	401.4	357.9	294.9	231.1	180.3	145.5	132.6	128.6	127.2
422.1	15°	419.5	402.0	338.2	255.0	179.7	136.3	123.6	123.4	124.2	123.8
432.6	17.5°	428.3	402.6	315.8	212.8	138.7	120.2	119.6	121.4	122.6	122.0
445.6	20°	439.8	405.0	292.1	170.9	119.2	116.1	117.5	119.2	120.2	119.2
463.1	22.5°	455.9	409.2	266.1	137.3	112.9	113.7	114.9	116.7	117.7	116.3
485.5	25°	475.6	415.8	240.5	119.4	109.9	110.9	112.7	114.7	115.9	114.5
513.7	27.5°	501.2	426.5	217.0	115.3	106.9	107.5	110.1	113.1	114.7	112.9
553.7	30°	538.2	444.0	196.7	117.1	105.1	103.7	107.3	111.5	113.3	111.7
608.3	32.5°	587.3	468.8	184.2	120.0	104.3	99.2	102.7	108.1	111.1	110.1
679.5	35°	651.7	506.4	179.3	123.2	103.7	94.6	97.0	102.9	108.1	109.1
769.3	37.5°	729.8	558.8	180.7	124.6	101.8	90.8	92.0	97.0	103.9	107.1
870.3	40°	818.6	619.7	188.8	123.2	99.8	87.6	87.8	91.6	97.6	102.5
979.0	42.5°	910.2	691.0	203.7	118.0	98.0	84.7	84.1	86.8	90.8	94.2
1087.5	45°	997.3	764.3	218.4	110.7	95.8	81.9	80.5	81.5	82.3	83.7
1193.2	47.5°	1073.4	815.8	214.2	104.1	92.8	78.7	76.3	75.9	73.5	73.3
1287.6	50°	1126.0	827.1	190.2	97.4	88.4	75.1	71.3	68.8	64.6	62.6
1358.2	52.5°	1142.7	782.6	155.4	90.8	81.1	70.2	64.8	61.0	55.8	53.9
1398.9	55°	1120.5	695.4	124.2	82.7	71.1	63.8	57.8	52.7	48.5	46.3
1403.3	57.5°	1066.4	584.5	98.2	73.3	60.4	56.6	50.5	45.5	41.9	39.7
1354.2	60°	976.6	464.2	77.7	62.0	51.5	48.7	42.5	39.2	36.0	33.4
1227.4	62.5°	840.3	331.3	61.0	49.1	43.1	39.9	36.2	33.8	30.0	26.4
999.4	65°	655.8	202.7	47.1	36.0	34.6	33.0	30.8	28.6	24.0	20.3
651.9	67.5°	413.6	96.0	33.6	27.2	27.4	26.6	25.6	23.8	20.3	17.1
292.1	70°	182.2	46.5	22.1	20.7	20.3	20.3	21.1	20.5	17.3	14.3
101.4	72.5°	62.0	25.0	16.5	15.7	14.7	14.5	17.7	17.1	13.9	11.1
50.5	75°	32.4	16.7	12.1	11.3	8.9	10.7	14.1	13.3	9.9	7.2
33.4	77.5°	21.1	11.9	8.3	7.2	5.0	7.0	10.5	9.3	5.8	3.6
21.9	80°	13.3	7.8	4.8	3.4	2.4	3.8	5.6	4.0	2.2	0.8
12.9	82.5°	7.0	4.0	1.8	1.2	1.0	1.2	1.4	1.0	0.4	0.0
6.6	85°	2.8	1.4	0.6	0.4	0.2	0.0	0.4	0.2	0.0	0.0
1.2	87.5°	1.0	0.2	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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398.1
372.0
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