

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: P845827

Luminaire Tested: **GLAN-SB1A-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845827
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-SB1A-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2374 lumens
Efficiency: N/A
Efficacy: 76.8 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

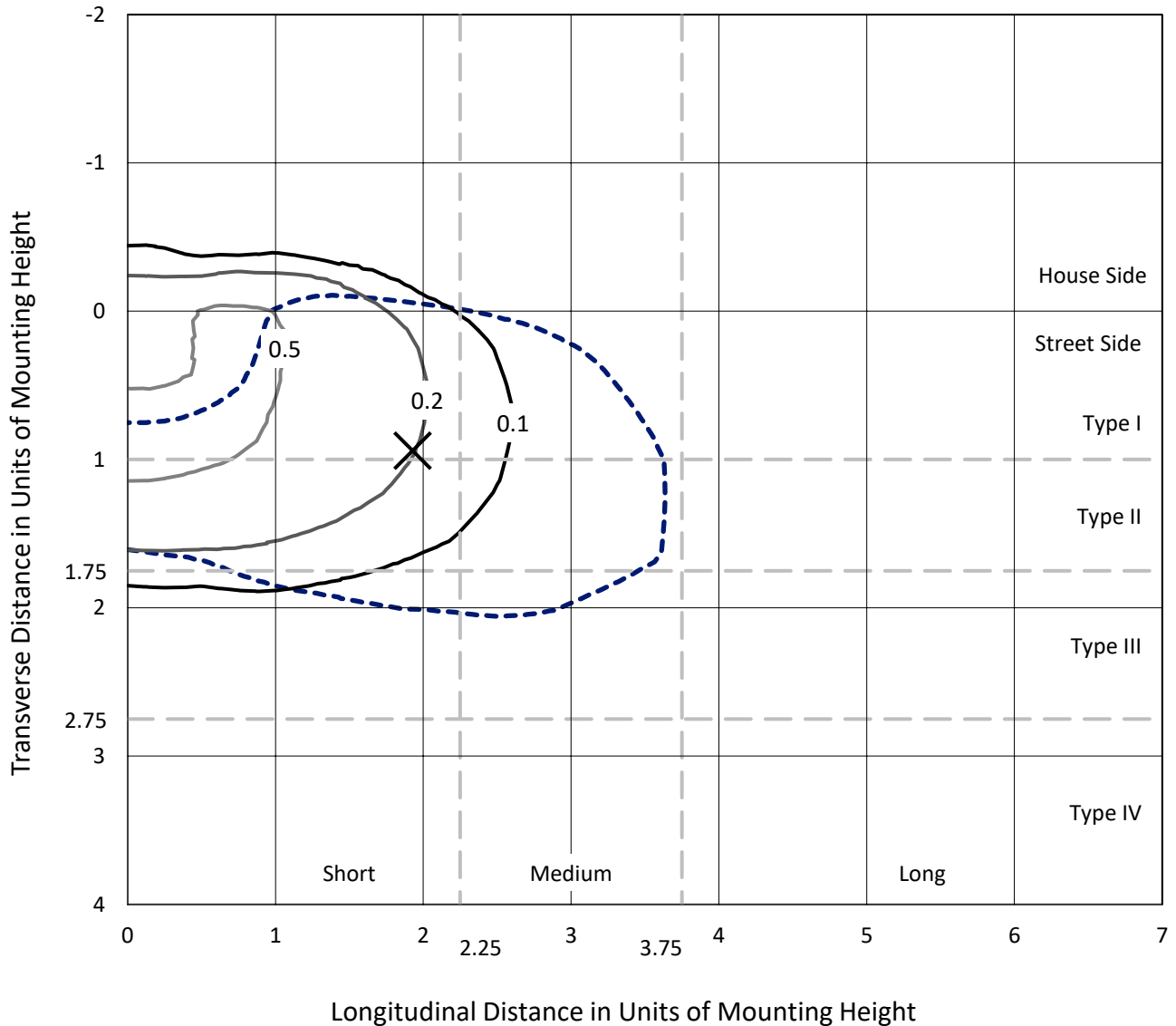
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

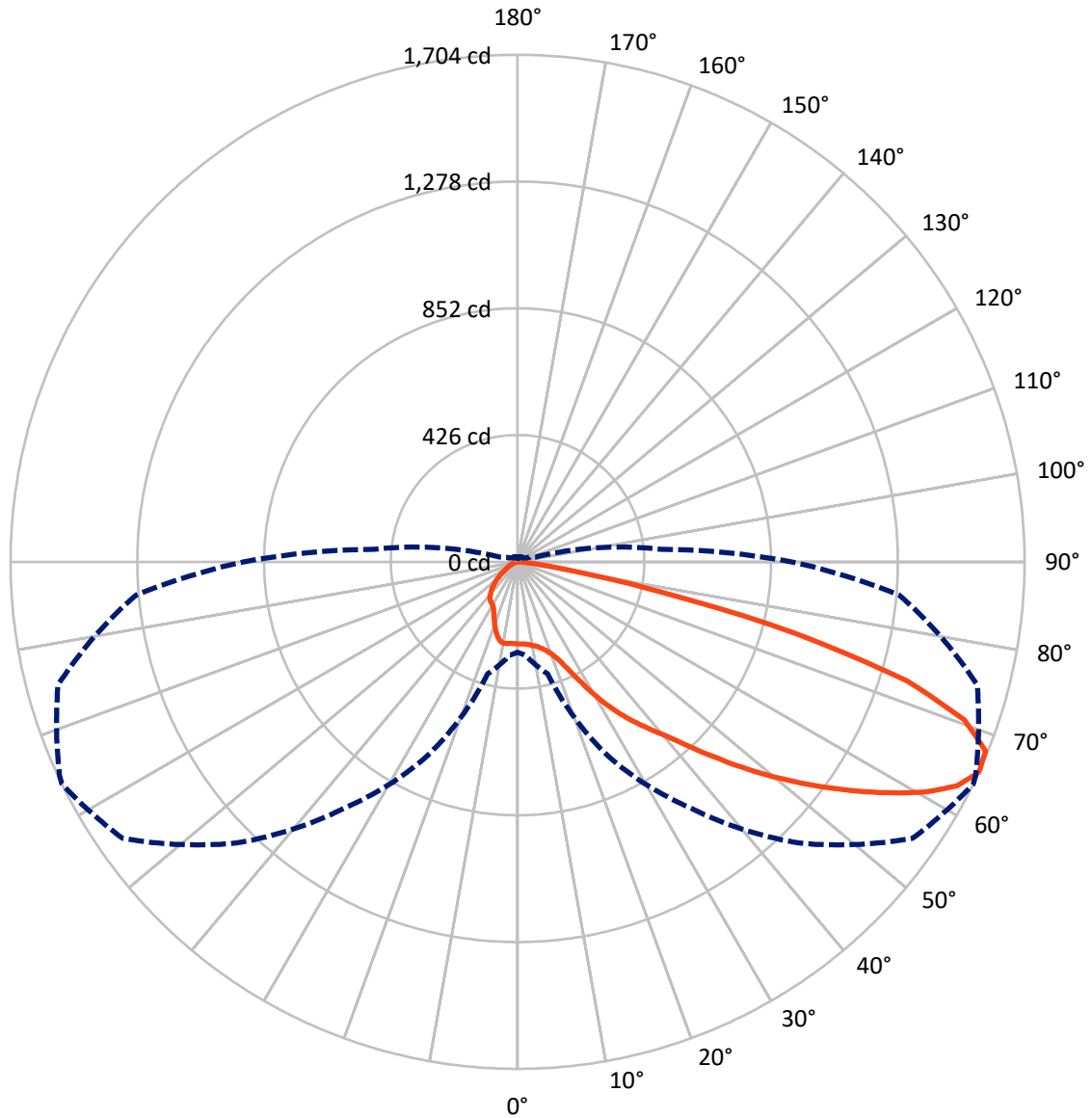
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	317.5	0.0	317.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	2056.5	0.0	2056.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	2374.0	0.0	2374.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	1.1
10°-20°	69.1	2.9
20°-30°	130.9	5.5
30°-40°	264.9	11.2
40°-50°	451.3	19.0
50°-60°	613.8	25.9
60°-70°	576.4	24.3
70°-80°	230.9	9.7
80°-90°	11.2	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°	2374.0	100.0
0°-180°	2374.0	100.0

Coefficient of Utilization



REPORT NUMBER: P845827

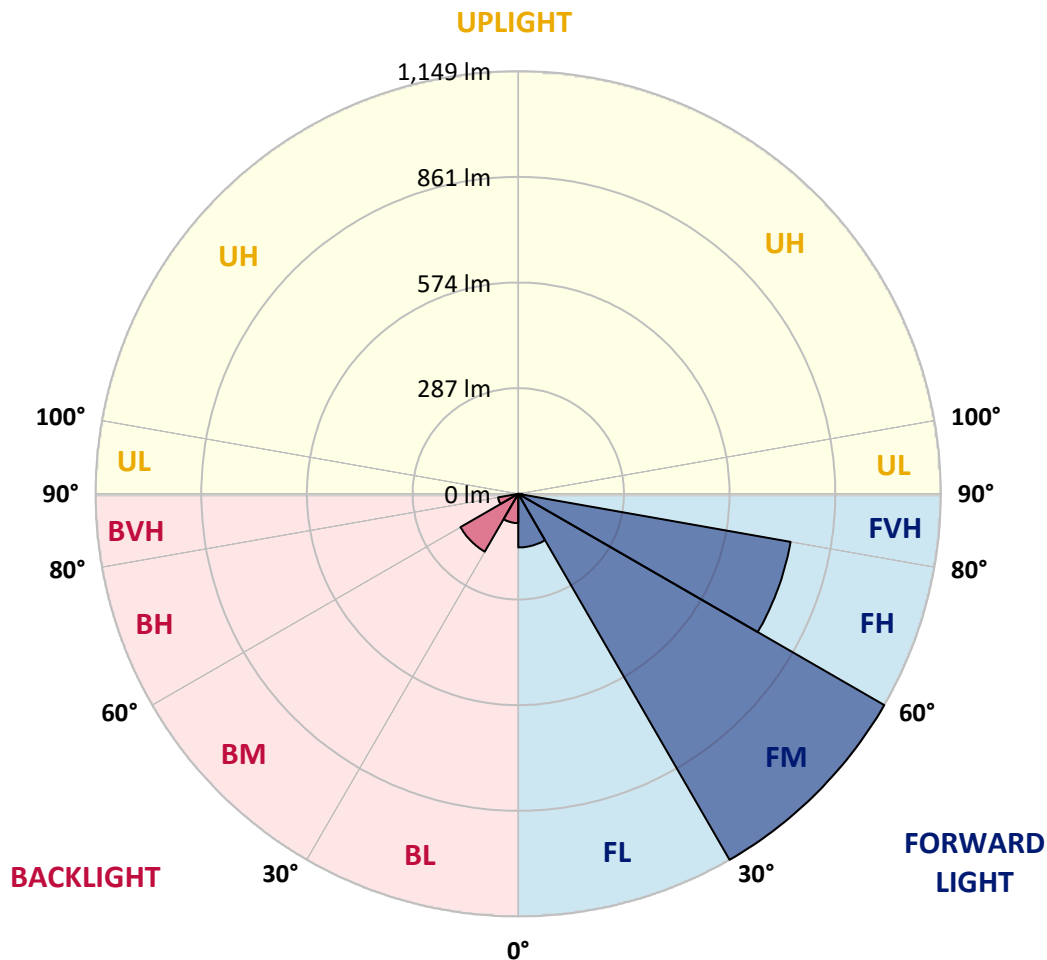
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.8	6.1			
FM (30°-60°)	1148.5	48.4			
FH (60°-80°)	751.6	31.7			G1/1800
FVH (80°-90°)	10.6	0.4			G1/100
BL (0°-30°)	79.7	3.4	B0/110		
BM (30°-60°)	181.5	7.6	B0/220		
BH (60°-80°)	55.7	2.3	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1
2.5°	275.2	277.1	276.6	276.1	276.0	276.3	276.4	276.3	276.3	276.3
5°	269.9	271.5	271.5	272.6	274.2	276.1	277.6	277.9	278.2	278.7
7.5°	259.9	261.2	262.1	265.8	269.8	274.8	279.1	281.4	281.7	283.4
10°	253.0	254.6	256.2	260.0	265.8	273.4	280.7	286.1	286.9	291.1
12.5°	252.7	254.3	256.4	260.5	267.2	275.3	284.2	292.0	293.5	299.5
15°	256.1	258.0	259.9	265.0	272.1	282.0	291.6	301.3	302.7	311.3
17.5°	262.9	265.5	266.9	272.0	279.6	290.6	303.2	314.3	315.6	325.6
20°	276.4	279.5	279.9	284.1	291.6	303.3	318.3	332.1	333.7	345.2
22.5°	304.4	308.7	304.9	307.0	313.7	325.5	341.7	359.2	361.4	374.5
25°	353.8	359.8	350.0	346.5	349.3	361.6	382.0	404.1	406.6	417.1
27.5°	450.7	442.9	427.9	413.3	404.7	411.7	434.6	462.0	465.2	475.4
30°	557.2	550.3	530.1	497.7	477.3	476.2	497.3	527.9	531.6	541.3
32.5°	663.8	657.3	635.3	595.4	560.0	542.5	557.2	591.1	593.0	599.2
35°	768.7	762.0	740.0	699.1	655.7	615.9	613.0	651.2	651.9	658.4
37.5°	874.2	868.6	845.2	805.1	762.3	707.4	680.8	708.2	709.0	715.4
40°	949.5	951.9	935.8	904.8	868.0	808.0	756.9	768.8	764.1	774.7
42.5°	1014.1	1018.9	1004.9	989.3	967.9	915.1	851.1	849.1	841.4	847.1
45°	1069.9	1073.9	1061.4	1057.7	1057.2	1020.1	954.1	941.7	931.0	929.9
47.5°	1090.5	1098.1	1103.5	1115.8	1139.7	1124.1	1060.6	1041.3	1029.4	1020.6
50°	1098.3	1106.4	1124.9	1160.5	1217.0	1223.7	1166.6	1144.9	1130.3	1114.4
52.5°	1087.8	1102.3	1127.1	1187.1	1269.0	1303.6	1268.2	1249.3	1232.6	1206.7
55°	1025.9	1040.3	1091.1	1186.8	1295.0	1359.6	1364.4	1355.9	1337.2	1296.3
57.5°	895.4	916.8	997.2	1146.3	1294.5	1407.8	1458.6	1464.6	1443.6	1385.1
60°	714.6	743.7	841.7	1056.7	1254.6	1433.9	1541.2	1571.4	1549.1	1472.6
62.5°	498.6	532.3	625.1	916.4	1163.2	1415.1	1601.5	1657.4	1640.5	1550.9
65°	304.1	315.0	389.8	721.1	1007.9	1336.5	1620.1	1703.8	1698.3	1598.8
67.5°	202.6	211.7	233.2	494.5	782.4	1179.4	1575.6	1695.7	1697.3	1591.0
70°	122.1	129.9	143.9	287.6	507.0	933.6	1437.6	1592.3	1601.5	1486.8
72.5°	50.3	55.5	68.3	130.3	262.6	592.5	1144.7	1367.1	1388.6	1250.1
75°	28.5	31.2	40.1	65.4	113.9	276.1	693.4	970.5	1002.2	861.6
77.5°	18.9	20.2	25.9	42.3	64.1	94.2	296.3	505.6	566.1	470.6
80°	12.7	13.8	17.8	28.3	41.7	40.4	94.4	187.3	230.4	161.7
82.5°	8.6	8.8	12.7	18.6	26.4	19.6	27.9	58.2	73.2	46.8
85°	4.9	4.8	9.4	10.8	11.8	8.1	8.4	17.5	22.9	19.7
87.5°	0.6	1.0	3.7	2.9	1.6	1.8	1.8	3.0	4.5	4.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845827
 CATALOG NUMBER: GLAN-SB1A-930-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
276.1	0°	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1	276.1
276.4	2.5°	276.4	276.3	275.8	275.3	274.2	273.6	273.9	273.6	273.4	273.6
278.5	5°	278.5	278.0	276.8	275.2	272.9	270.2	268.5	265.9	263.5	262.1
284.1	7.5°	284.1	283.6	281.9	277.4	270.2	258.9	248.6	239.5	232.7	228.7
293.0	10°	293.0	292.2	289.5	279.6	260.8	236.2	215.6	198.6	187.5	182.2
303.5	12.5°	303.5	302.5	297.8	277.6	243.0	204.5	176.2	157.2	146.9	142.3
315.6	15°	315.9	314.6	305.2	267.7	217.1	169.5	143.6	129.4	122.7	118.6
331.0	17.5°	331.3	329.1	310.8	252.9	188.9	142.8	123.5	112.8	106.9	103.0
351.2	20°	351.4	347.7	315.3	235.2	163.0	125.9	110.0	101.1	96.6	93.1
379.9	22.5°	379.4	374.2	320.7	216.1	144.7	114.3	99.9	93.4	89.8	85.8
419.8	25°	414.1	407.9	327.4	198.5	132.1	104.2	92.6	87.2	82.9	78.3
472.2	27.5°	462.6	451.5	335.3	184.0	121.3	95.6	85.9	79.9	75.0	71.1
531.6	30°	516.8	498.4	342.3	175.2	111.4	87.7	77.2	71.1	66.5	63.8
584.9	32.5°	568.0	543.2	346.9	171.4	102.5	78.6	67.6	61.1	57.6	56.8
637.1	35°	616.4	583.6	346.5	167.7	94.5	69.5	58.2	51.6	48.9	49.3
693.2	37.5°	672.1	626.7	343.1	162.0	88.0	61.3	50.1	44.2	41.9	42.0
761.5	40°	736.9	676.5	341.1	151.2	80.8	53.6	43.4	38.7	36.9	36.3
833.5	42.5°	805.9	724.8	341.4	138.9	71.9	46.8	38.8	34.9	33.3	32.8
913.5	45°	875.3	770.8	341.8	126.2	62.5	41.5	35.5	32.1	31.2	30.6
994.7	47.5°	940.6	809.9	332.9	112.5	53.3	37.6	32.8	30.6	29.8	29.0
1076.2	50°	1001.4	836.0	311.5	96.6	46.0	34.4	30.7	29.1	28.3	27.5
1150.0	52.5°	1048.6	840.1	276.0	80.2	40.9	32.0	29.4	28.0	27.1	26.3
1209.7	55°	1069.6	814.2	225.5	64.9	36.9	29.9	28.2	26.7	25.6	24.8
1256.6	57.5°	1064.2	759.6	175.9	52.2	33.1	27.9	26.6	25.6	24.3	23.1
1294.7	60°	1037.6	686.6	132.6	43.4	29.6	25.6	24.8	24.0	22.3	20.4
1309.3	62.5°	991.6	594.7	94.5	36.0	25.8	23.1	22.8	22.1	19.6	16.1
1287.7	65°	921.3	483.2	63.7	29.9	22.1	20.2	20.4	19.3	15.9	11.9
1208.4	67.5°	818.5	353.3	40.7	24.5	18.5	16.9	17.0	16.4	13.5	10.2
1058.2	70°	687.5	233.9	26.6	18.6	14.8	13.1	14.0	14.2	11.5	8.3
812.1	72.5°	504.0	138.1	18.6	13.8	10.8	9.1	11.5	11.8	9.2	6.2
488.6	75°	287.3	65.6	14.0	10.0	6.7	6.4	8.9	8.9	6.4	4.1
211.5	77.5°	120.6	27.4	9.9	6.5	3.8	3.7	6.0	5.6	3.2	1.9
51.6	80°	34.9	12.3	5.3	3.2	1.6	1.4	2.4	1.8	0.8	0.3
19.6	82.5°	13.7	5.4	2.1	1.3	0.6	0.6	0.3	0.0	0.0	0.0
11.1	85°	8.1	2.2	1.0	0.5	0.2	0.0	0.0	0.0	0.0	0.0
2.4	87.5°	2.1	0.5	0.3	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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276.1
274.2
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