

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: P846062

Luminaire Tested: **GLAN-SB1C-735-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846062
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-735-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5132 lumens
Efficiency: N/A
Efficacy: 94.3 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

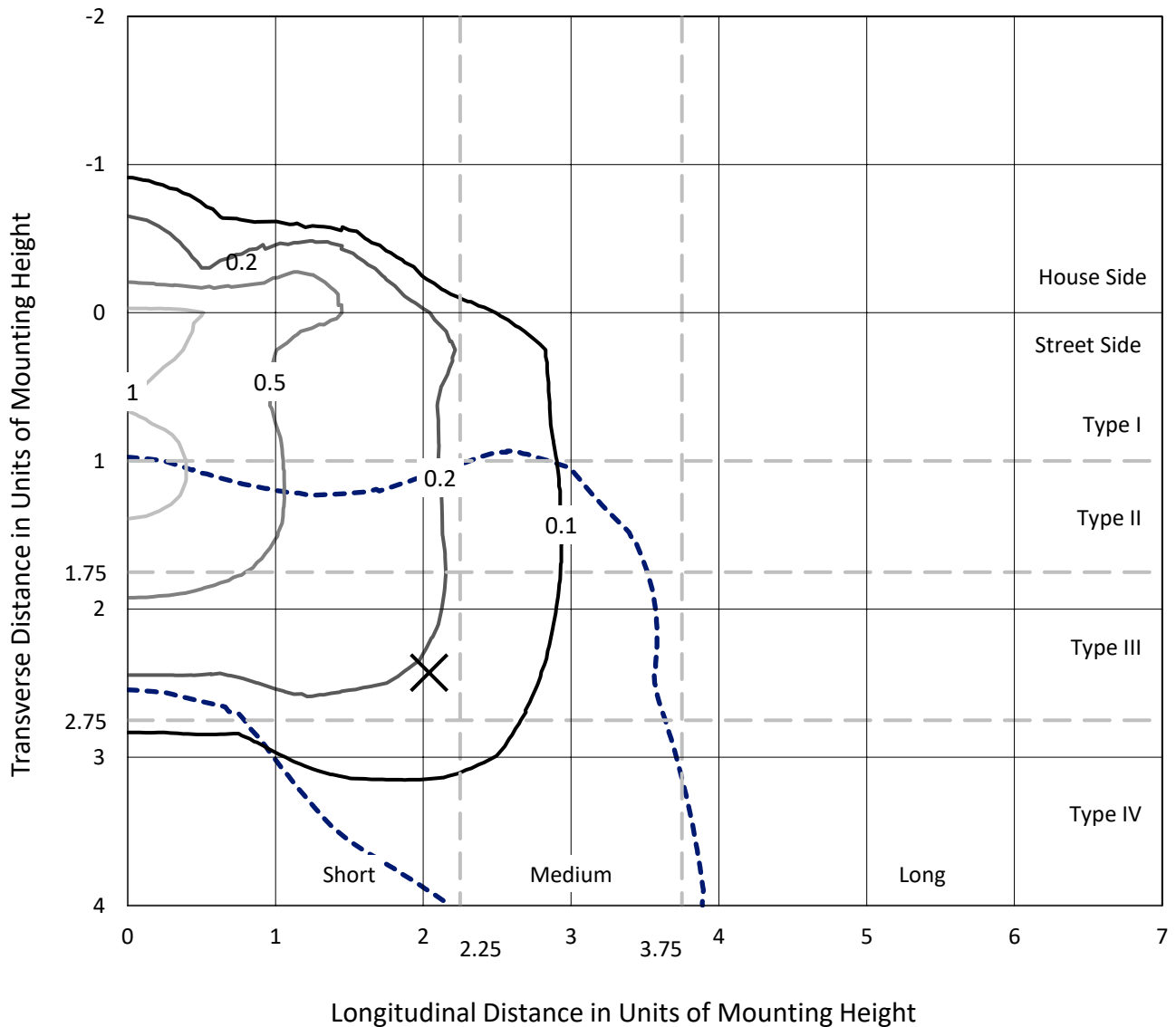
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

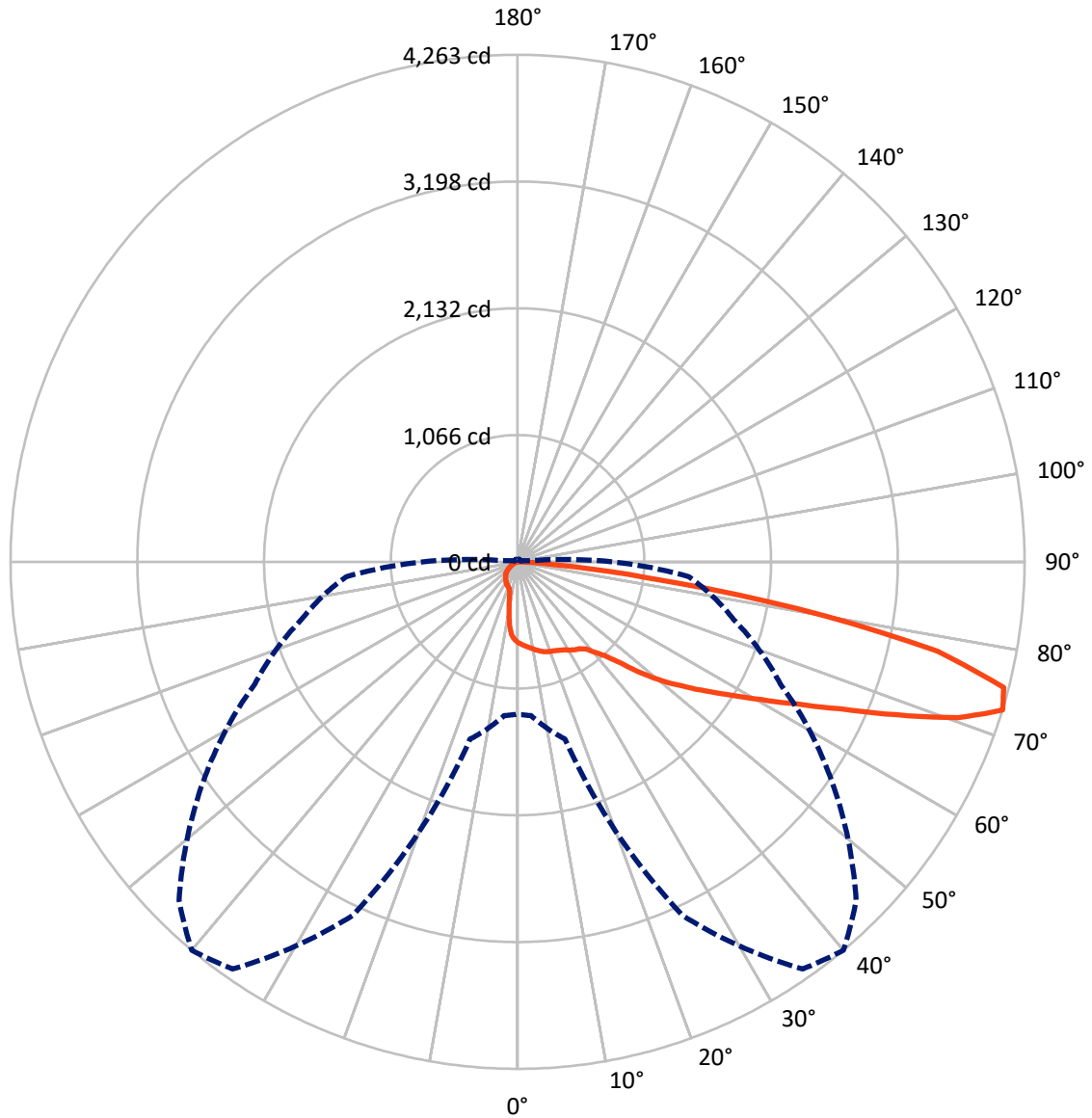
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	662.7	0.0	662.7
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	4469.3	0.0	4469.3
	% Fixture	87.1	0.0	87.1
Total	Lumens	5132.0	0.0	5132.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.1	1.2
10°-20°	168.5	3.3
20°-30°	272.7	5.3
30°-40°	402.6	7.8
40°-50°	677.6	13.2
50°-60°	1052.1	20.5
60°-70°	1316.5	25.7
70°-80°	1077.8	21.0
80°-90°	102.2	2.0
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°	5132.0	100.0
0°-180°	5132.0	100.0

Coefficient of Utilization



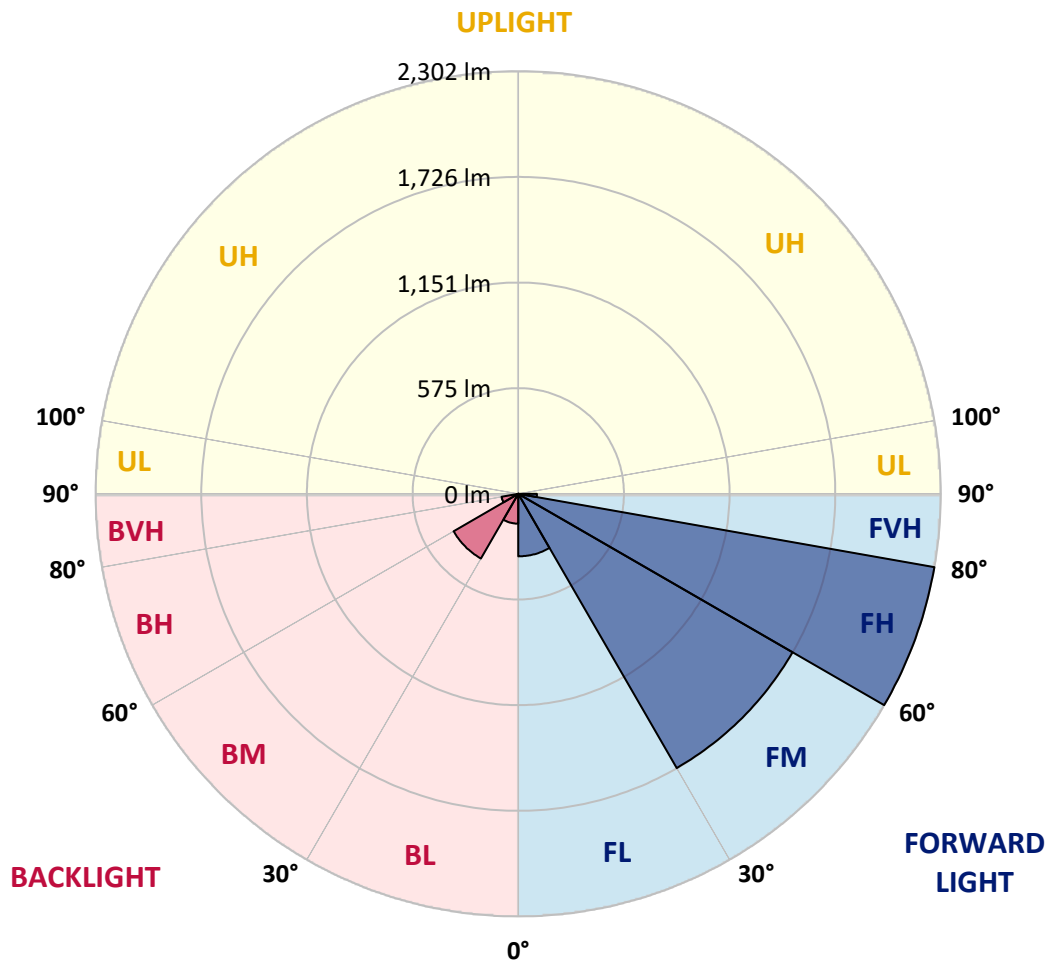
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.6	6.6			
FM (30°-60°)	1725.3	33.6			
FH (60°-80°)	2301.9	44.9			G2/5000
FVH (80°-90°)	101.4	2.0			G2/225
BL (0°-30°)	162.7	3.2	B1/500		
BM (30°-60°)	407.0	7.9	B1/1000		
BH (60°-80°)	92.3	1.8	B0/110		G0/110
BVH (80°-90°)	0.8	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°	35°	40°	45°	55°	65°	75°
0°	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5
2.5°	700.0	702.7	701.2	698.1	697.3	695.8	693.8	693.0	690.3	688.0
5°	719.7	722.4	720.5	716.2	714.3	712.4	709.7	707.3	701.9	696.9
7.5°	741.4	743.7	741.4	735.2	732.1	729.8	725.9	722.4	716.2	708.9
10°	765.3	767.3	763.8	755.7	750.6	747.2	743.7	739.8	734.0	725.9
12.5°	787.7	790.1	784.7	775.0	769.2	765.7	761.8	758.8	753.0	745.2
15°	808.2	811.7	802.4	792.0	785.4	782.7	778.9	776.9	773.1	767.6
17.5°	823.7	826.0	816.3	804.0	796.6	794.7	792.0	793.2	792.4	789.7
20°	836.8	838.4	825.6	810.6	802.4	802.8	802.0	805.9	807.5	807.5
22.5°	853.1	853.5	837.2	818.3	808.6	811.3	812.5	816.7	819.8	822.9
25°	874.3	873.6	854.2	828.3	819.8	823.7	826.4	827.9	831.4	836.4
27.5°	906.0	903.7	879.0	844.6	834.5	838.0	843.0	842.2	840.7	844.6
30°	946.2	943.1	910.3	867.4	858.1	861.2	862.7	855.8	844.6	848.0
32.5°	1010.0	1004.6	959.0	892.9	878.6	882.1	880.1	865.8	849.2	852.7
35°	1120.9	1107.8	1043.2	946.2	901.8	897.9	893.3	879.4	858.9	855.4
37.5°	1356.7	1333.5	1223.4	1050.2	954.3	929.2	914.9	901.0	869.3	855.4
40°	1622.6	1599.1	1471.9	1224.1	1041.7	999.2	965.2	926.5	880.1	860.4
42.5°	1900.2	1874.3	1743.6	1439.8	1166.5	1079.2	1015.8	947.0	897.9	875.9
45°	2210.2	2177.7	2006.9	1664.8	1347.8	1212.2	1097.4	989.1	928.8	903.3
47.5°	2537.2	2495.0	2269.3	1883.2	1543.0	1396.1	1246.6	1064.5	974.4	944.3
50°	2827.1	2785.3	2540.3	2111.6	1725.5	1571.2	1416.6	1168.9	1042.9	1002.3
52.5°	3035.4	3003.7	2786.9	2347.4	1915.3	1735.5	1570.9	1290.2	1129.4	1076.5
55°	3175.0	3146.0	2961.6	2570.8	2136.0	1916.4	1722.8	1422.0	1233.8	1165.4
57.5°	3259.6	3243.0	3088.0	2770.3	2354.7	2114.3	1896.7	1567.0	1356.7	1270.1
60°	3289.8	3276.2	3166.4	2960.4	2619.1	2352.0	2101.2	1730.5	1505.9	1389.2
62.5°	3209.4	3212.1	3222.9	3185.8	2897.8	2630.3	2346.2	1926.8	1671.4	1524.1
65°	2830.9	2853.4	3059.0	3435.5	3266.9	2979.0	2658.2	2166.5	1860.8	1677.5
67.5°	2343.9	2376.4	2632.3	3581.6	3660.4	3431.6	3092.6	2471.9	2086.5	1833.7
70°	1794.3	1829.1	2139.1	3551.0	4028.8	3926.4	3629.9	2860.3	2320.3	1941.9
72.5°	1280.6	1298.4	1542.6	3279.3	4179.9	4263.4	4025.7	3228.3	2439.8	1882.0
75°	899.8	896.7	1058.7	2640.8	3944.5	4222.4	3886.9	3029.2	2207.9	1495.1
77.5°	391.9	392.7	528.8	1603.7	3148.3	3606.3	3231.0	1897.5	1539.2	792.4
80°	101.7	104.7	194.0	638.5	1895.5	2380.2	1970.5	834.1	711.2	193.3
82.5°	35.9	38.3	89.3	200.6	699.2	1091.6	877.4	266.7	185.5	55.3
85°	10.4	12.4	47.9	61.5	144.6	308.5	213.0	51.8	45.6	28.6
87.5°	0.0	1.5	9.7	8.5	8.5	5.8	10.8	5.8	7.3	3.5
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°
679.5	0°	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5	679.5
685.3	2.5°	683.0	680.3	674.5	668.3	662.5	657.1	655.6	649.8	647.0	647.4
690.7	5°	686.5	681.5	670.2	656.7	642.8	627.0	613.8	595.3	579.4	577.5
701.2	7.5°	695.8	687.6	669.5	643.2	608.4	564.7	524.1	483.9	461.1	448.8
716.6	10°	710.1	699.2	671.4	621.2	547.3	469.2	407.8	357.2	331.3	319.3
735.6	12.5°	727.1	715.1	674.5	583.7	468.5	366.0	299.6	268.6	263.2	262.5
758.8	15°	751.0	737.9	678.0	533.0	383.1	278.7	248.2	248.5	252.8	255.1
783.9	17.5°	777.7	764.6	672.9	471.2	298.8	238.1	237.3	240.8	247.0	249.3
807.1	20°	804.8	792.4	655.2	398.5	241.6	226.9	230.0	233.9	240.0	243.1
829.9	22.5°	832.6	821.8	627.0	321.2	218.0	218.8	222.6	226.5	233.5	236.9
852.3	25°	862.3	853.1	589.5	257.4	208.0	210.3	215.3	219.9	227.3	231.5
871.2	27.5°	892.5	885.5	546.9	214.9	198.7	201.4	207.2	213.4	220.7	225.7
887.9	30°	925.4	921.5	512.9	199.1	189.8	192.1	198.7	205.6	213.8	219.9
904.5	32.5°	959.0	958.2	496.3	210.7	181.7	183.2	189.0	196.0	206.0	213.8
918.4	35°	992.2	993.8	486.6	243.5	179.0	174.7	178.6	184.8	196.7	206.4
934.2	37.5°	1034.7	1038.6	486.3	279.1	185.5	166.2	168.9	173.2	183.6	194.8
959.0	40°	1098.1	1118.6	511.0	309.6	197.1	158.5	159.3	160.0	165.4	174.7
991.8	42.5°	1182.4	1242.3	600.3	330.5	201.8	151.5	148.8	144.6	143.8	148.8
1036.7	45°	1287.1	1391.9	757.2	342.1	197.1	143.8	136.4	125.2	121.0	124.5
1097.4	47.5°	1410.4	1555.8	943.1	344.8	189.4	134.1	121.0	106.3	102.8	104.0
1178.9	50°	1530.7	1678.7	1106.6	322.4	176.6	121.8	104.0	91.6	89.3	89.7
1275.2	52.5°	1637.0	1720.8	1153.0	269.4	159.6	106.7	89.3	80.8	79.2	79.2
1381.5	55°	1707.3	1675.2	1028.2	206.0	138.4	91.2	76.5	72.3	71.5	71.1
1500.1	57.5°	1722.0	1526.8	776.5	148.8	108.2	76.9	68.0	65.7	64.2	62.6
1621.9	60°	1669.4	1279.4	494.4	104.0	81.2	65.7	60.3	58.8	55.7	52.6
1736.3	62.5°	1555.8	966.3	273.7	72.3	65.3	56.0	53.3	51.4	45.6	40.6
1827.1	65°	1403.1	642.4	121.0	56.4	53.3	47.2	45.6	42.9	35.9	30.1
1861.5	67.5°	1249.6	369.9	54.5	45.2	42.9	38.7	37.5	35.6	30.5	25.1
1773.8	70°	1074.6	187.5	37.5	35.9	33.2	29.4	30.5	30.1	25.1	20.5
1446.8	72.5°	800.1	93.2	28.2	27.1	24.0	20.9	25.1	24.7	19.7	15.5
892.1	75°	453.0	46.0	20.5	18.9	14.3	15.5	20.1	18.9	13.5	10.0
376.5	77.5°	179.7	23.6	13.5	11.6	8.5	10.4	14.7	12.8	7.0	4.3
71.9	80°	41.4	11.6	7.0	5.0	3.9	6.2	7.7	4.6	1.9	0.4
19.3	82.5°	11.6	5.0	2.3	1.9	1.9	2.3	1.9	0.8	0.0	0.0
5.0	85°	3.9	2.3	0.8	0.4	0.4	0.4	0.4	0.0	0.0	0.0
1.5	87.5°	1.5	0.8	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°
679.5
647.0
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243.1
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220.7
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208.0
196.7
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