

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: McGRAW-EDISON

Report Number: P947957

Luminaire Tested: **GALN-SB3A-927-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-927-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6311 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

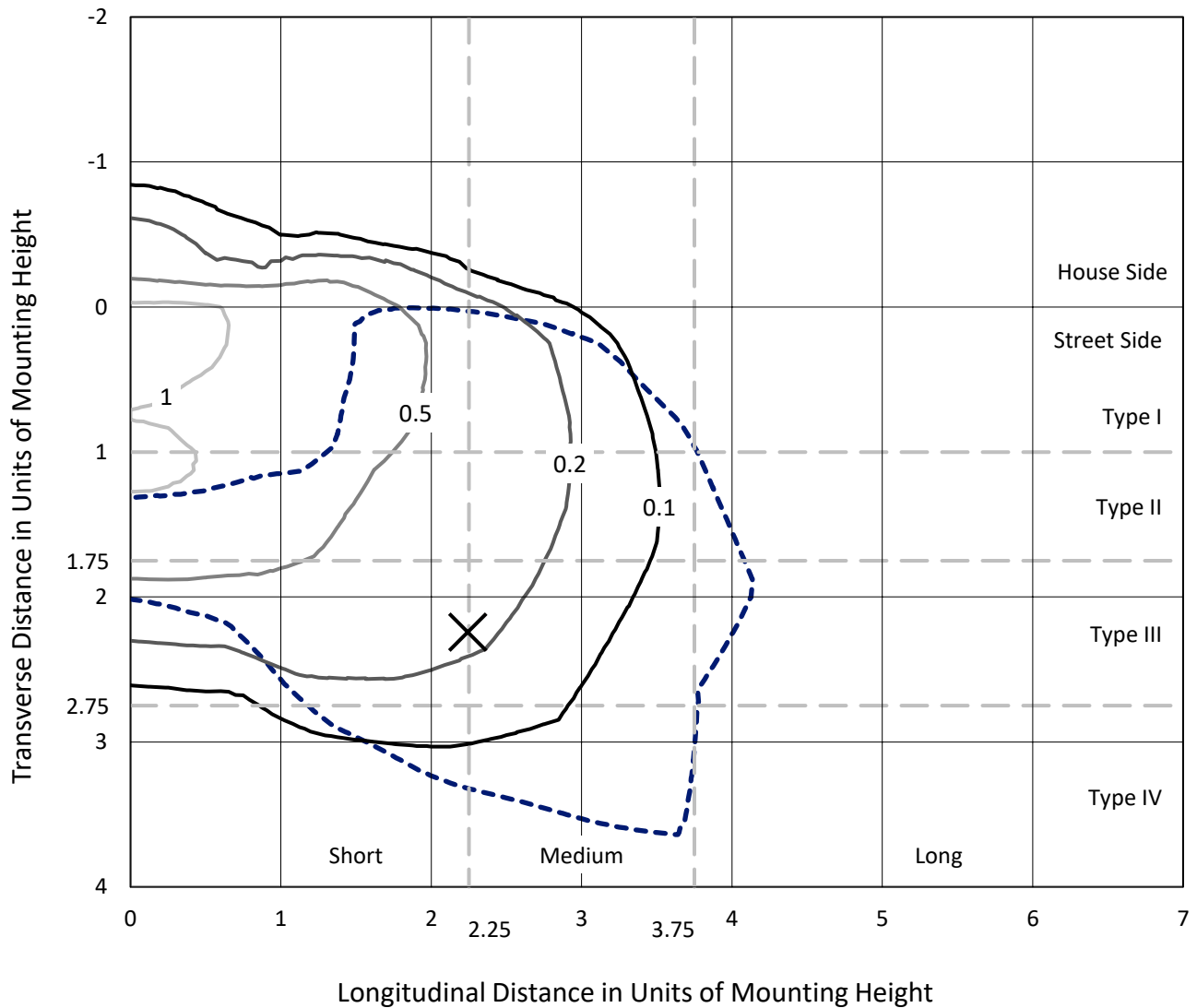
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

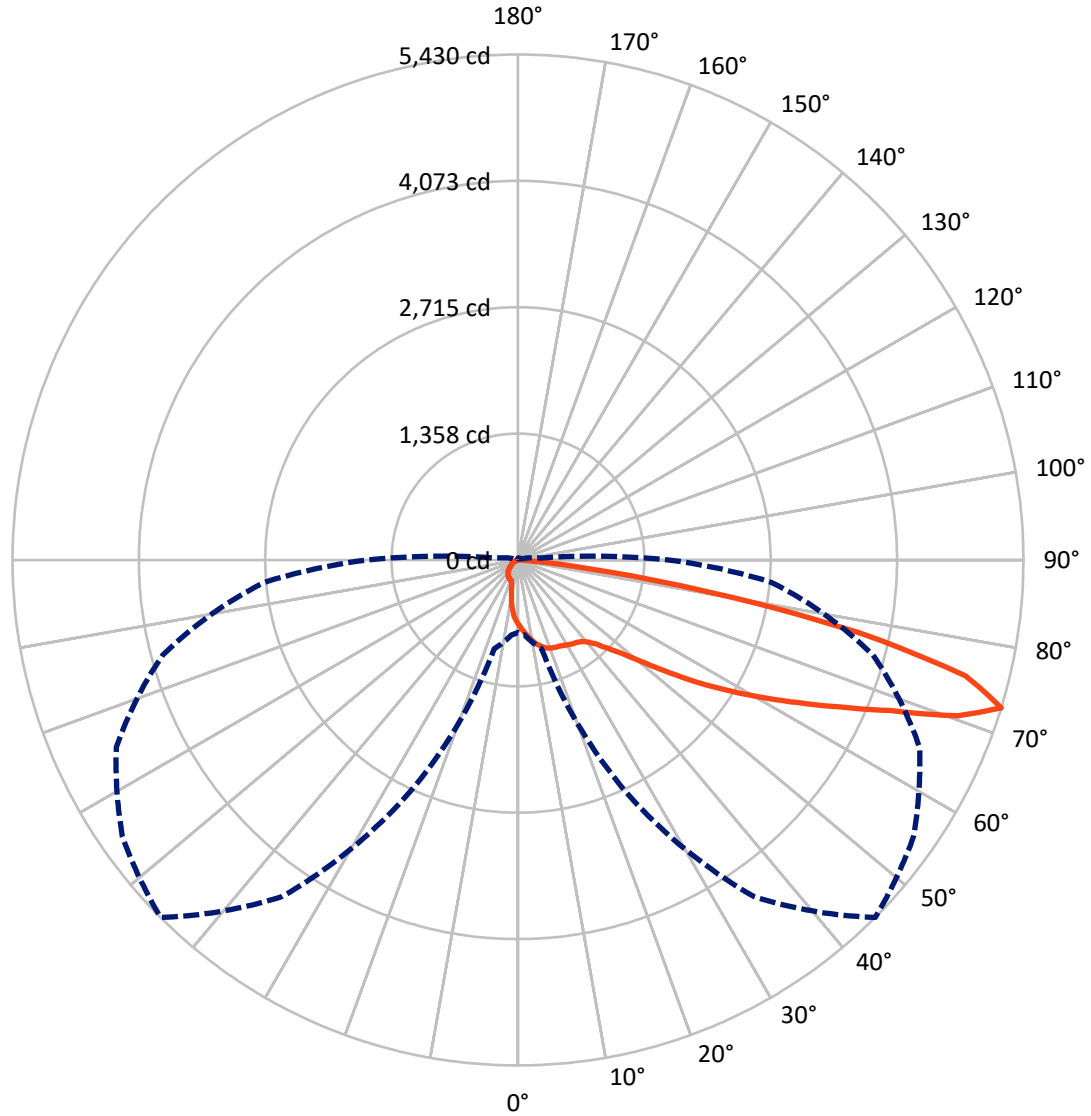
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	663.1	0.0	663.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5647.9	0.0	5647.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	6311.0	0.0	6311.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	1.0
10°-20°	190.4	3.0
20°-30°	312.6	5.0
30°-40°	443.4	7.0
40°-50°	732.9	11.6
50°-60°	1316.5	20.9
60°-70°	1828.1	29.0
70°-80°	1326.0	21.0
80°-90°	95.9	1.5
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°	6311.0	100.0
0°-180°	6311.0	100.0

Coefficient of Utilization



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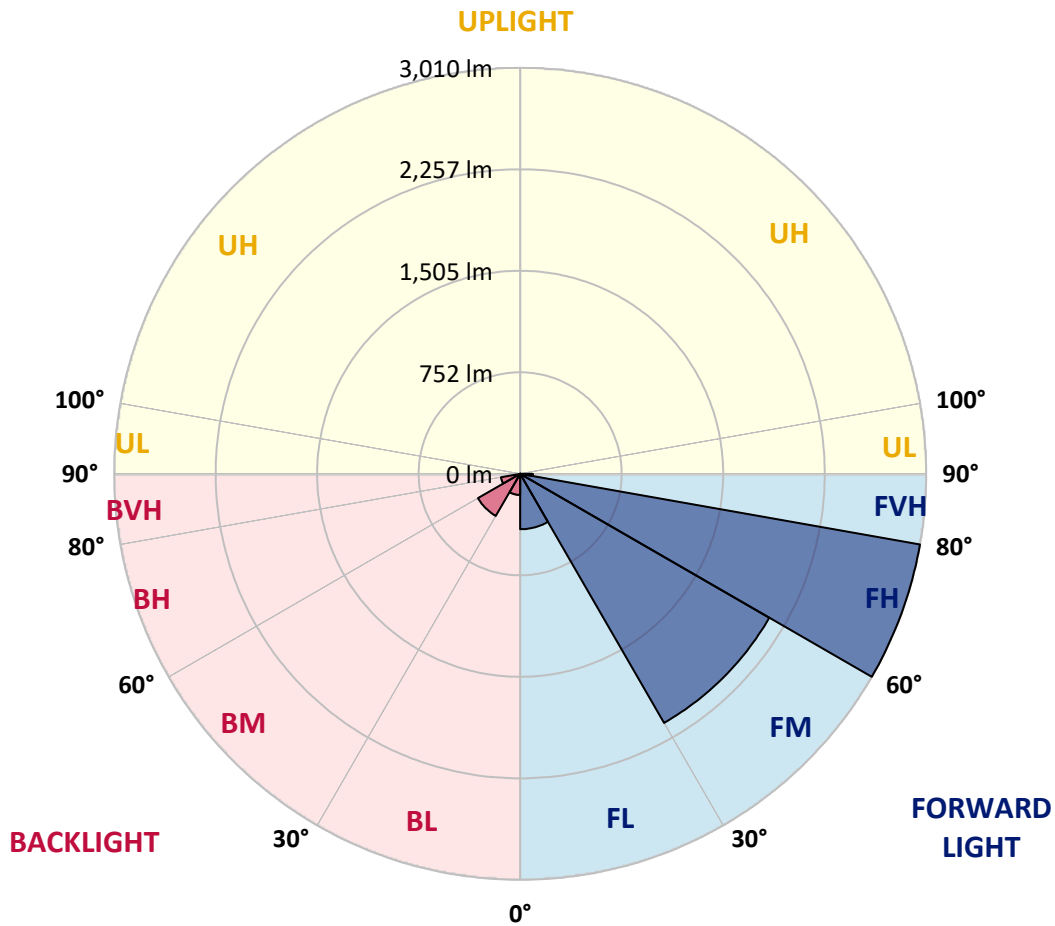
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	411.1	6.5			
FM (30°-60°)	2132.2	33.8			
FH (60°-80°)	3009.5	47.7			G2/5000
FVH (80°-90°)	95.1	1.5			G1/100
BL (0°-30°)	157.1	2.5	B1/500		
BM (30°-60°)	360.6	5.7	B1/1000		
BH (60°-80°)	144.6	2.3	B1/500		G1/500
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°	45°	46°	55°	65°	75°
0°	691.4	691.4	691.4	691.4	691.4	691.4	691.4	691.4	691.4	691.4
2.5°	755.1	756.4	755.6	750.4	741.8	737.0	734.5	725.8	720.2	710.3
5°	824.5	829.7	826.6	816.3	799.9	788.3	784.9	767.2	751.3	732.7
7.5°	898.2	900.7	895.1	881.8	859.8	840.0	837.0	812.4	787.0	758.6
10°	961.9	964.9	956.3	936.9	911.9	887.4	883.1	855.9	825.8	790.9
12.5°	1015.3	1018.3	1007.1	983.9	956.3	930.9	926.6	898.2	865.0	826.2
15°	1055.8	1061.4	1046.3	1021.4	991.6	966.2	964.1	936.1	903.8	860.7
17.5°	1079.5	1085.1	1070.9	1040.7	1015.3	993.8	991.2	967.9	937.8	896.4
20°	1083.4	1088.6	1073.5	1047.2	1026.1	1008.9	1007.6	990.8	968.8	929.2
22.5°	1071.8	1078.2	1064.4	1043.3	1028.7	1019.6	1017.9	1008.4	995.9	962.3
25°	1059.7	1064.9	1054.5	1036.0	1028.2	1027.4	1028.7	1027.0	1024.4	995.9
27.5°	1058.8	1064.4	1052.8	1035.1	1030.8	1039.9	1041.2	1049.4	1051.5	1026.5
30°	1066.2	1070.0	1058.8	1040.3	1038.2	1058.8	1059.3	1073.9	1077.4	1052.4
32.5°	1082.1	1086.4	1075.2	1048.1	1045.0	1073.9	1075.2	1094.6	1100.2	1079.9
35°	1119.6	1124.7	1111.8	1069.6	1058.8	1088.1	1092.0	1114.8	1126.0	1109.2
37.5°	1213.0	1198.0	1180.3	1113.1	1090.3	1110.5	1117.0	1143.7	1163.5	1144.1
40°	1445.2	1397.8	1342.7	1187.2	1145.4	1158.3	1163.5	1190.2	1217.4	1198.4
42.5°	1793.7	1737.7	1649.0	1357.8	1228.6	1235.0	1238.9	1262.2	1300.5	1285.4
45°	2104.3	2084.1	1993.6	1649.0	1384.1	1352.2	1356.9	1369.0	1425.4	1419.8
47.5°	2342.9	2331.3	2261.5	1983.3	1646.8	1495.6	1509.0	1514.6	1596.0	1615.8
50°	2526.5	2522.1	2459.7	2280.5	1990.2	1707.1	1711.9	1699.8	1821.7	1870.8
52.5°	2699.6	2714.3	2668.2	2556.6	2356.7	1984.1	1983.3	1926.4	2091.0	2165.0
55°	2856.0	2861.2	2865.9	2838.3	2725.5	2299.4	2291.3	2198.2	2403.3	2479.9
57.5°	3002.9	3005.0	3047.3	3103.7	3109.3	2638.0	2622.9	2511.4	2744.4	2799.1
60°	3101.5	3111.4	3200.6	3357.4	3425.9	2987.4	2979.2	2865.5	3091.6	3117.0
62.5°	2959.4	3019.7	3244.5	3555.6	3724.9	3374.6	3370.8	3263.9	3456.9	3436.2
65°	2395.5	2497.6	2893.0	3689.5	4018.2	3807.1	3812.7	3699.0	3832.1	3764.9
67.5°	1675.7	1783.4	2251.2	3700.3	4346.0	4315.0	4347.3	4169.0	4230.6	4079.8
70°	1158.8	1214.3	1518.9	3468.5	4601.5	5014.6	5013.7	4746.2	4626.9	4223.3
72.5°	779.3	808.1	986.5	2751.7	4413.7	5430.3	5405.3	5187.3	4760.4	3949.7
75°	328.7	349.8	456.6	1546.5	3491.8	4968.1	4900.4	4584.2	4229.7	3110.1
77.5°	104.2	113.3	180.1	553.5	1923.4	3734.3	3662.8	2862.9	2834.9	1560.2
80°	49.5	57.7	101.2	222.3	756.9	2031.1	2021.2	1298.8	1219.5	421.3
82.5°	21.5	25.4	56.0	118.9	338.6	724.6	739.2	442.0	365.7	159.8
85°	6.9	9.0	25.8	54.7	143.0	180.1	177.9	105.1	147.3	87.0
87.5°	0.0	0.0	8.6	12.5	14.6	10.3	11.6	9.0	40.9	24.1
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°
691.4	0°	691.4	691.4	691.4	691.4	691.4	691.4	691.4	691.4	691.4	691.4
700.0	2.5°	694.8	687.9	675.9	664.7	654.8	644.9	638.8	630.2	629.4	629.4
711.2	5°	699.6	688.4	666.8	644.0	617.7	592.7	567.8	543.6	535.9	530.3
729.3	7.5°	713.4	695.7	661.7	618.2	568.2	513.5	475.1	433.8	417.8	409.2
753.4	10°	733.2	709.0	657.4	581.1	500.1	425.6	370.9	326.1	308.9	301.5
779.7	12.5°	755.1	725.4	649.6	535.0	425.6	336.4	283.0	262.3	259.8	259.8
811.1	15°	781.4	745.2	636.2	480.7	347.6	266.2	247.3	248.1	250.7	252.4
841.7	17.5°	808.6	766.3	615.1	420.0	278.7	239.5	239.9	241.2	243.4	245.1
874.9	20°	837.8	787.4	587.1	355.4	239.1	231.8	233.0	234.3	236.1	236.9
905.9	22.5°	869.3	807.3	554.0	292.1	225.7	225.3	225.7	227.0	229.2	229.2
942.1	25°	902.9	829.2	516.1	246.0	218.8	218.8	219.7	220.6	222.3	222.3
977.0	27.5°	937.4	849.5	476.0	221.8	212.8	212.4	212.4	213.7	214.5	215.0
1011.4	30°	975.3	873.2	435.9	216.7	208.1	205.9	204.6	205.5	206.3	206.8
1047.6	32.5°	1014.0	896.0	400.2	218.8	203.3	199.4	195.1	194.3	194.3	196.0
1085.1	35°	1057.1	921.0	372.6	226.2	200.7	190.0	183.1	179.2	179.6	182.2
1129.9	37.5°	1108.8	951.1	352.4	232.6	199.0	179.2	168.0	163.3	160.2	163.3
1191.5	40°	1176.4	995.5	337.7	237.8	196.9	166.7	151.6	143.9	138.3	140.0
1287.1	42.5°	1275.9	1065.3	332.1	238.2	192.1	152.1	134.8	124.5	116.3	116.7
1431.0	45°	1415.5	1175.6	361.0	232.6	181.8	136.1	117.2	103.4	98.2	96.9
1646.0	47.5°	1606.8	1336.2	427.8	221.0	166.7	120.6	99.9	88.3	84.4	82.3
1928.1	50°	1863.1	1542.6	501.8	208.1	151.6	106.0	85.7	78.4	75.8	73.7
2262.8	52.5°	2160.3	1751.9	562.6	195.1	136.6	93.0	76.7	72.4	70.2	68.5
2585.9	55°	2433.0	1896.2	559.1	181.4	121.9	82.7	70.2	67.6	65.0	63.3
2864.2	57.5°	2602.7	1916.5	460.9	166.3	105.1	74.5	64.2	62.5	59.4	57.3
3105.0	60°	2680.7	1801.0	323.1	146.5	88.3	66.8	57.7	56.9	53.0	50.0
3332.9	62.5°	2694.9	1586.5	215.4	121.9	73.7	59.4	51.3	50.0	44.8	39.6
3518.1	65°	2637.2	1279.8	149.0	95.2	62.9	51.7	43.9	41.4	35.8	30.6
3562.0	67.5°	2454.5	898.6	103.8	68.5	53.4	40.9	34.9	34.0	29.7	25.4
3338.0	70°	2119.8	512.2	69.4	51.3	42.2	28.0	27.6	28.4	24.1	20.7
2727.2	72.5°	1625.3	234.3	43.1	37.5	28.9	19.0	22.0	22.4	18.5	15.5
1701.5	75°	956.7	100.4	27.1	24.1	14.6	12.5	15.9	16.4	12.5	9.9
622.0	77.5°	325.7	37.9	17.2	14.2	7.3	6.9	10.3	10.3	6.9	3.9
124.9	80°	74.1	14.2	8.6	5.6	3.4	3.0	3.4	3.0	1.7	0.4
38.3	82.5°	21.1	5.6	3.4	2.2	1.3	1.3	0.4	0.0	0.0	0.0
13.4	85°	6.0	2.6	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
4.7	87.5°	2.6	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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<u>180°</u>
691.4
631.5
532.9
410.5
301.5
259.8
252.4
245.1
237.4
230.0
222.7
215.4
207.6
197.3
183.5
162.4
139.1
115.0
95.2
81.0
73.2
68.1
62.5
56.9
49.1
37.0
28.9
24.1
19.0
<i>13.8</i>
8.6
3.0
0.0
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