

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: P948016

Luminaire Tested: **GALN-SB3A-940-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-940-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7454 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

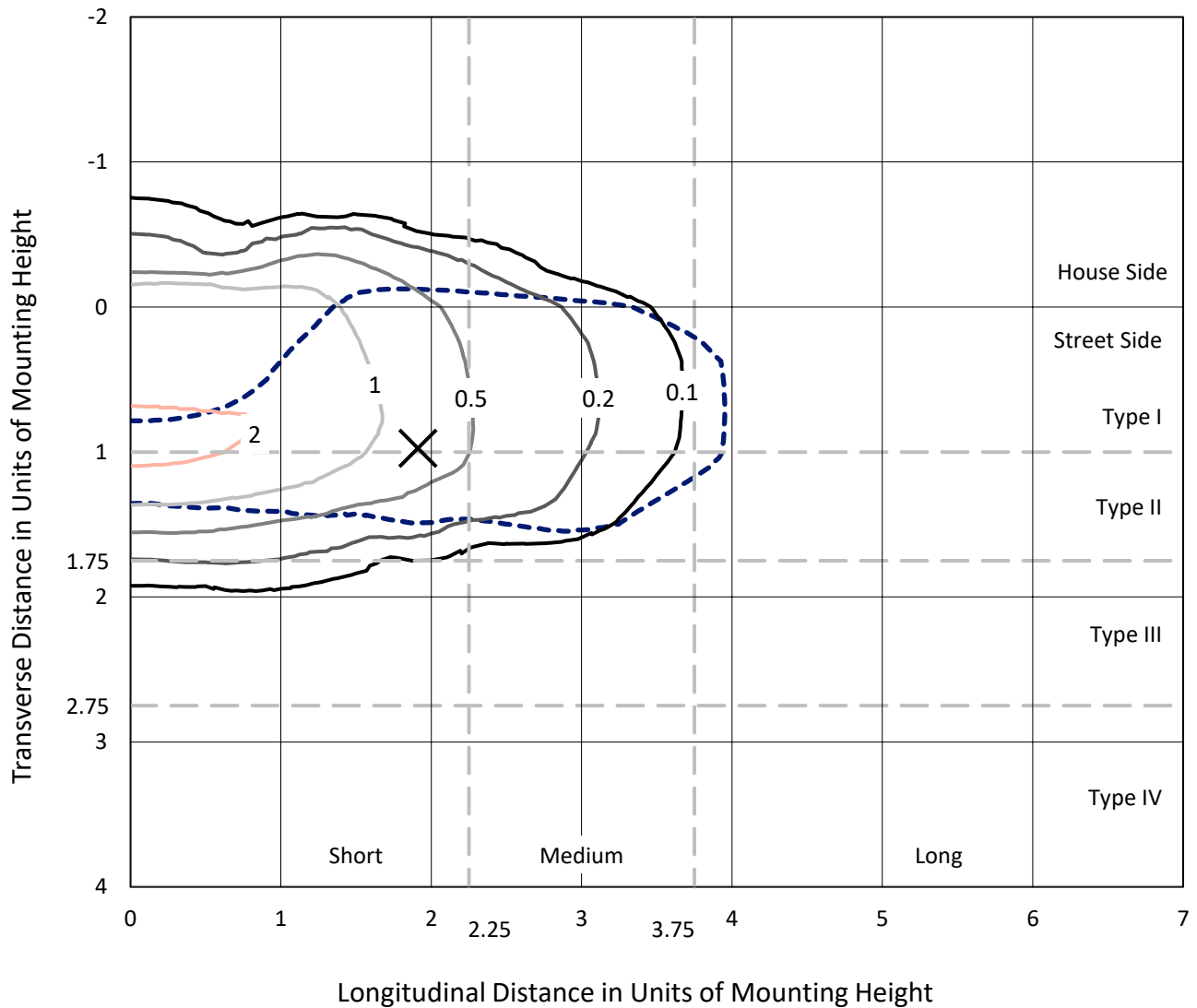
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

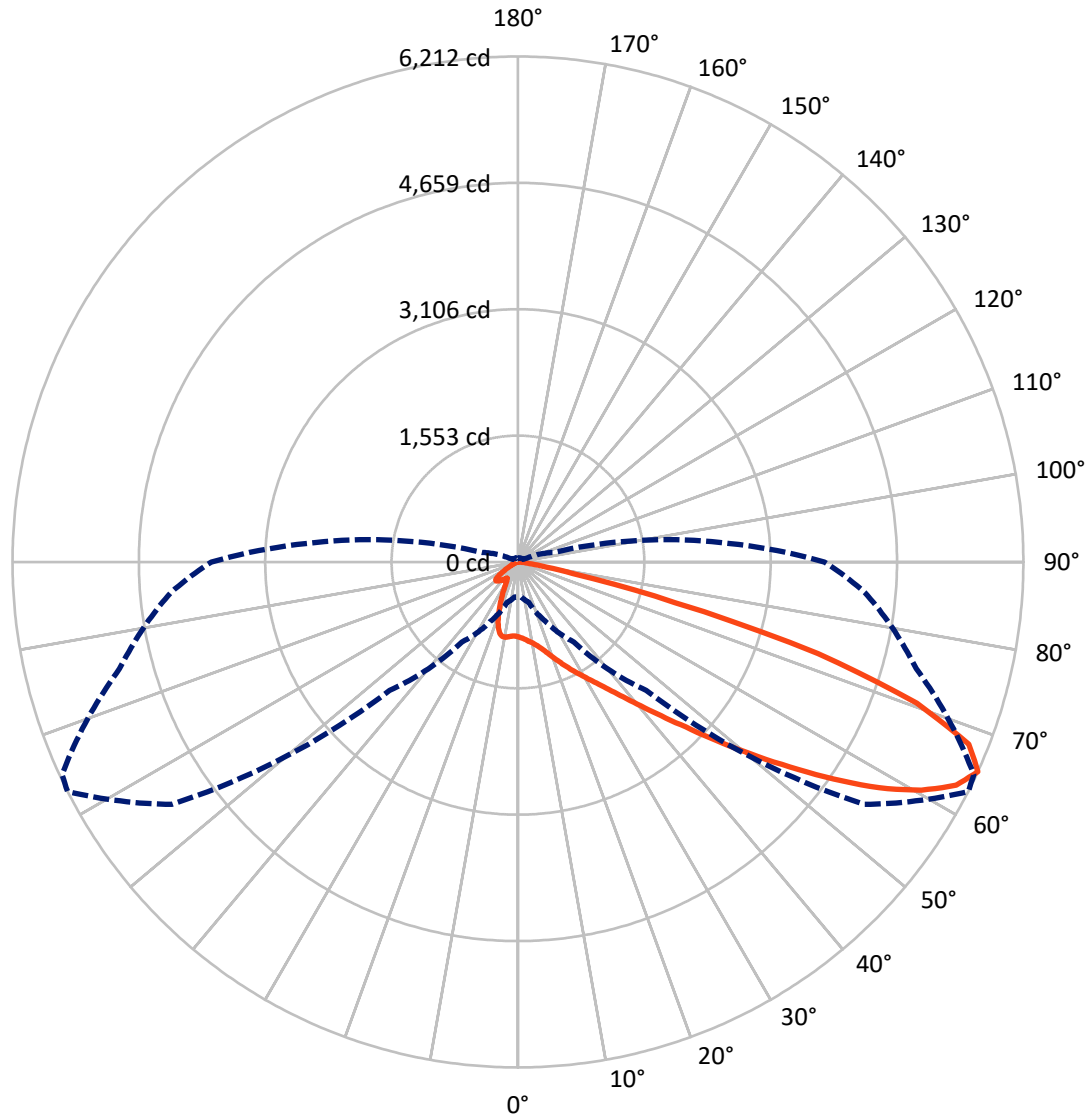
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1095.7	0.0	1095.7
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	6358.3	0.0	6358.3
	% Fixture	85.3	0.0	85.3
Total	Lumens	7454.0	0.0	7454.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	1.2
10°-20°	240.5	3.2
20°-30°	418.8	5.6
30°-40°	754.8	10.1
40°-50°	1497.0	20.1
50°-60°	2039.2	27.4
60°-70°	1627.6	21.8
70°-80°	736.5	9.9
80°-90°	52.9	0.7
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°	7454.0	100.0
0°-180°	7454.0	100.0

Coefficient of Utilization



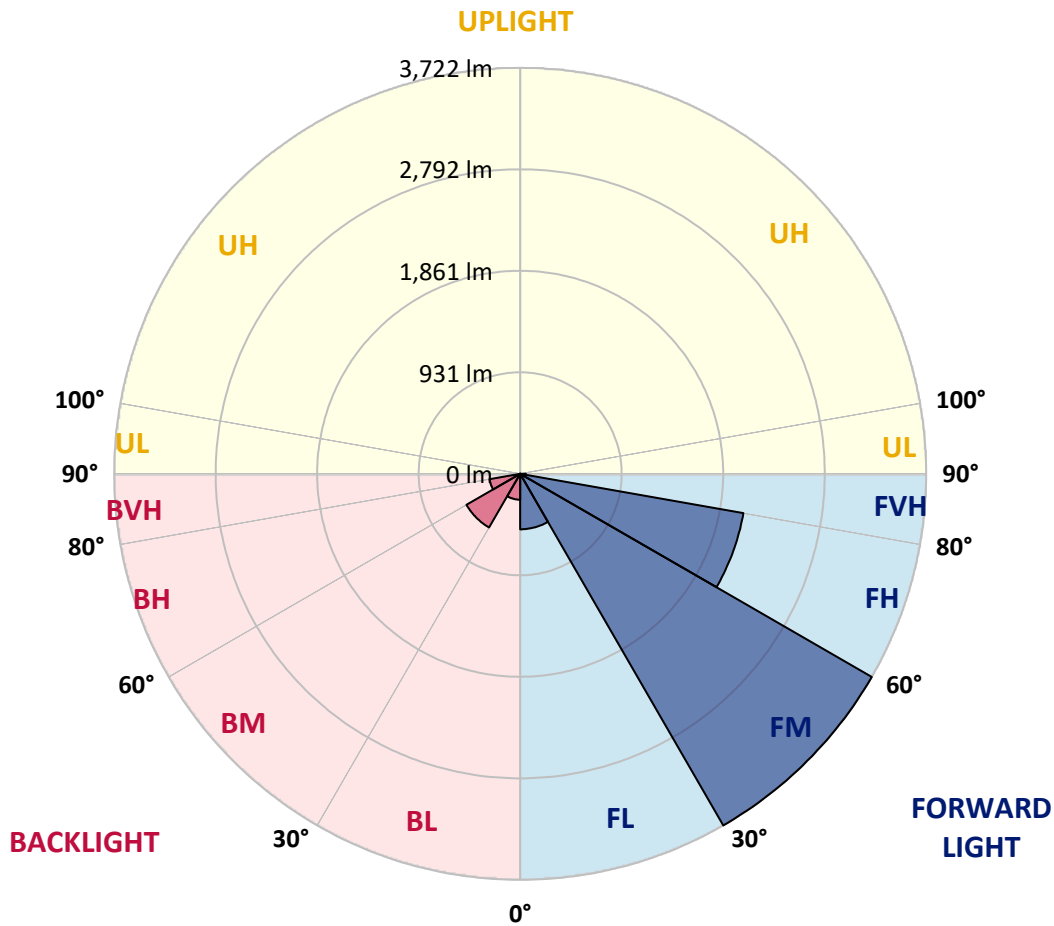
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	508.8	6.8			
FM (30°-60°)	3722.3	49.9			
FH (60°-80°)	2078.1	27.9			G2/5000
FVH (80°-90°)	49.0	0.7			G1/100
BL (0°-30°)	237.1	3.2	B1/500		
BM (30°-60°)	568.6	7.6	B1/1000		
BH (60°-80°)	286.0	3.8	B1/500		G1/500
BVH (80°-90°)	3.9	0.1			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	920.0	920.0	920.0	920.0	920.0	920.0	920.0	920.0	920.0	920.0
2.5°	941.5	938.9	942.5	941.0	940.0	937.9	936.9	935.9	933.8	932.3
5°	944.1	942.5	946.1	949.2	952.3	955.3	956.9	958.9	956.9	952.8
7.5°	922.5	921.5	929.2	938.4	952.3	964.1	976.9	984.1	984.6	983.0
10°	921.0	918.4	926.1	937.4	955.3	976.4	998.9	1014.3	1016.4	1023.0
12.5°	945.1	942.5	953.3	965.6	984.1	1006.1	1033.8	1055.3	1058.4	1067.7
15°	985.6	982.0	994.3	1010.2	1033.8	1058.9	1088.2	1107.6	1110.2	1121.5
17.5°	1032.8	1029.2	1043.5	1060.5	1086.1	1120.5	1154.3	1175.9	1178.9	1186.1
20°	1093.3	1088.7	1100.0	1115.3	1142.5	1183.5	1224.1	1254.8	1254.3	1254.3
22.5°	1163.5	1156.4	1166.1	1178.4	1204.1	1253.8	1307.6	1344.1	1344.1	1329.7
25°	1238.9	1231.7	1242.5	1253.8	1276.4	1332.8	1395.8	1441.0	1443.0	1418.4
27.5°	1333.3	1324.1	1332.3	1345.6	1358.9	1416.4	1491.2	1543.5	1544.6	1506.6
30°	1514.8	1488.7	1463.0	1448.7	1454.8	1511.7	1591.7	1649.7	1654.8	1602.5
32.5°	1847.1	1842.0	1751.7	1633.8	1572.2	1614.3	1704.0	1773.8	1776.9	1709.7
35°	2363.5	2357.3	2212.2	1987.6	1787.1	1751.7	1840.4	1923.0	1921.0	1845.1
37.5°	2979.9	2974.2	2783.0	2482.5	2157.9	1959.4	2016.3	2103.0	2115.8	2016.3
40°	3506.5	3485.5	3364.5	3074.8	2650.2	2304.0	2266.6	2324.0	2337.3	2219.4
42.5°	3905.5	3887.5	3826.0	3645.0	3246.0	2813.7	2561.4	2583.5	2598.4	2456.8
45°	4112.1	4108.0	4132.7	4115.7	3853.2	3439.4	2983.0	2891.2	2896.8	2719.9
47.5°	4141.4	4139.3	4251.6	4410.6	4375.2	4145.0	3524.0	3274.7	3254.7	3016.8
50°	3969.1	3965.0	4180.4	4478.3	4723.9	4737.8	4138.3	3707.0	3662.9	3324.0
52.5°	3418.8	3417.8	3771.6	4267.5	4846.5	5256.7	4745.5	4181.9	4108.0	3649.1
55°	2630.7	2649.6	3055.3	3641.4	4622.9	5506.5	5290.6	4709.0	4595.7	3976.3
57.5°	1863.5	1891.2	2292.2	2814.3	3929.6	5358.8	5659.3	5237.2	5115.2	4302.4
60°	1001.0	1025.6	1427.1	2050.2	2923.5	4808.0	5853.6	5695.7	5580.3	4612.1
62.5°	596.4	604.6	770.7	1323.5	1977.4	3673.2	5771.1	6044.9	5950.0	4872.1
65°	428.2	429.7	513.3	808.2	1200.5	2231.7	5192.1	6212.1	6182.8	5068.0
67.5°	360.5	359.5	394.3	536.9	817.9	1117.9	3979.3	5975.7	6099.8	5192.1
70°	309.2	310.8	351.8	393.3	614.8	632.8	1978.4	5202.9	5467.5	5224.9
72.5°	230.2	235.4	273.3	358.4	464.1	435.4	683.1	3857.8	4336.2	4922.9
75°	162.6	165.1	192.3	301.5	346.1	316.9	348.7	1994.3	2607.6	3774.2
77.5°	125.1	129.7	145.6	210.8	341.0	222.6	213.3	690.2	1060.5	2279.9
80°	67.7	75.9	105.1	152.3	239.5	157.4	105.6	274.9	359.5	1066.1
82.5°	34.9	39.0	73.3	109.7	136.4	137.4	52.3	114.4	148.2	329.2
85°	13.8	16.9	49.2	60.5	70.3	67.7	23.6	46.2	53.3	91.3
87.5°	3.1	5.1	17.9	13.8	13.3	14.4	5.6	10.8	10.3	10.8
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°
920.0	0°	920.0	920.0	920.0	920.0	920.0	920.0	920.0	920.0	920.0	920.0
926.1	2.5°	925.6	923.6	917.9	911.8	904.6	900.5	897.9	897.4	893.8	891.2
946.6	5°	941.0	938.9	928.2	915.3	901.5	890.7	880.5	871.2	857.9	855.4
976.4	7.5°	971.8	966.1	948.7	931.2	905.1	873.8	835.9	792.3	753.3	741.5
1015.9	10°	1009.7	1002.0	980.0	949.2	891.2	806.1	714.3	629.2	561.5	542.5
1062.5	12.5°	1052.8	1046.1	1016.9	960.0	833.3	678.9	538.4	432.8	367.2	350.8
1112.3	15°	1104.1	1094.3	1053.8	943.6	729.7	515.9	369.7	307.2	283.6	280.5
1169.2	17.5°	1158.4	1142.5	1086.6	884.6	590.2	366.7	285.6	267.7	257.4	254.3
1226.6	20°	1208.2	1187.6	1106.1	795.4	441.0	285.6	255.9	244.1	234.9	231.3
1284.1	22.5°	1257.9	1228.7	1106.1	673.8	330.8	253.3	234.9	224.1	213.3	208.7
1345.6	25°	1309.7	1270.7	1086.6	538.4	266.1	232.3	214.9	203.1	193.8	188.2
1404.0	27.5°	1359.9	1306.1	1042.0	410.2	236.9	213.8	196.4	185.1	176.4	172.3
1467.6	30°	1407.6	1341.0	979.4	311.3	217.9	195.9	179.5	169.7	161.0	156.9
1550.2	32.5°	1472.3	1385.1	912.8	255.4	201.5	179.0	164.1	154.9	147.2	144.1
1657.4	35°	1562.0	1450.2	855.4	250.8	187.7	165.1	150.3	141.5	133.8	131.3
1795.8	37.5°	1689.2	1555.3	825.1	281.5	176.4	152.8	139.0	129.7	122.6	120.5
1971.7	40°	1846.1	1697.9	841.5	312.3	168.7	142.0	128.7	119.5	113.3	110.8
2173.8	42.5°	2032.2	1873.8	932.3	335.9	163.6	132.8	119.0	108.7	104.6	103.6
2403.0	45°	2246.1	2067.1	1071.2	361.0	155.4	124.1	109.2	101.5	98.5	97.9
2652.2	47.5°	2489.1	2279.4	1232.3	392.3	147.2	115.9	101.5	96.4	93.8	92.8
2912.2	50°	2730.2	2493.2	1397.9	409.7	140.5	108.2	95.4	91.3	89.2	88.7
3187.1	52.5°	2982.4	2713.2	1531.7	393.3	134.9	102.0	90.3	87.2	85.1	84.6
3440.4	55°	3223.0	2891.2	1554.8	333.8	123.6	95.9	84.6	83.1	80.5	80.5
3697.3	57.5°	3430.1	2980.4	1391.7	245.1	112.3	86.7	79.0	77.4	75.4	74.9
3929.1	60°	3620.4	2954.8	1074.3	165.1	100.0	77.4	71.8	70.8	68.7	66.2
4130.6	62.5°	3727.5	2841.9	734.8	107.7	87.7	67.7	63.6	63.1	58.5	53.3
4279.8	65°	3768.1	2610.2	458.4	78.5	73.3	57.9	54.9	53.8	47.2	41.5
4364.4	67.5°	3732.7	2228.6	231.3	62.0	57.9	48.2	45.1	45.1	40.5	35.4
4359.3	70°	3591.1	1670.7	97.4	49.7	44.6	36.9	36.9	39.0	34.4	28.7
4133.2	72.5°	3284.0	1124.1	51.8	37.9	33.3	26.2	30.3	31.8	27.2	21.5
3382.9	75°	2610.7	685.6	35.9	28.2	21.0	18.5	23.1	24.1	18.5	14.4
2319.4	77.5°	1785.6	393.8	24.1	17.9	13.3	10.8	15.9	14.9	9.7	6.7
894.3	80°	784.1	164.1	13.8	8.2	5.1	4.1	5.6	4.1	3.1	2.1
122.6	82.5°	91.8	38.5	5.1	3.1	2.1	1.0	0.5	0.0	0.0	0.0
37.4	85°	19.0	4.6	2.6	1.0	0.5	0.0	0.0	0.0	0.0	0.0
6.7	87.5°	3.6	1.0	0.5	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°
920.0
893.8
854.3
735.9
535.4
346.1
277.4
252.8
229.2
206.1
186.1
172.3
157.4
144.1
131.3
120.0
110.3
103.6
97.4
92.8
88.7
84.6
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