

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: P940106

Luminaire Tested: **GALN-SB3A-735-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10555 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

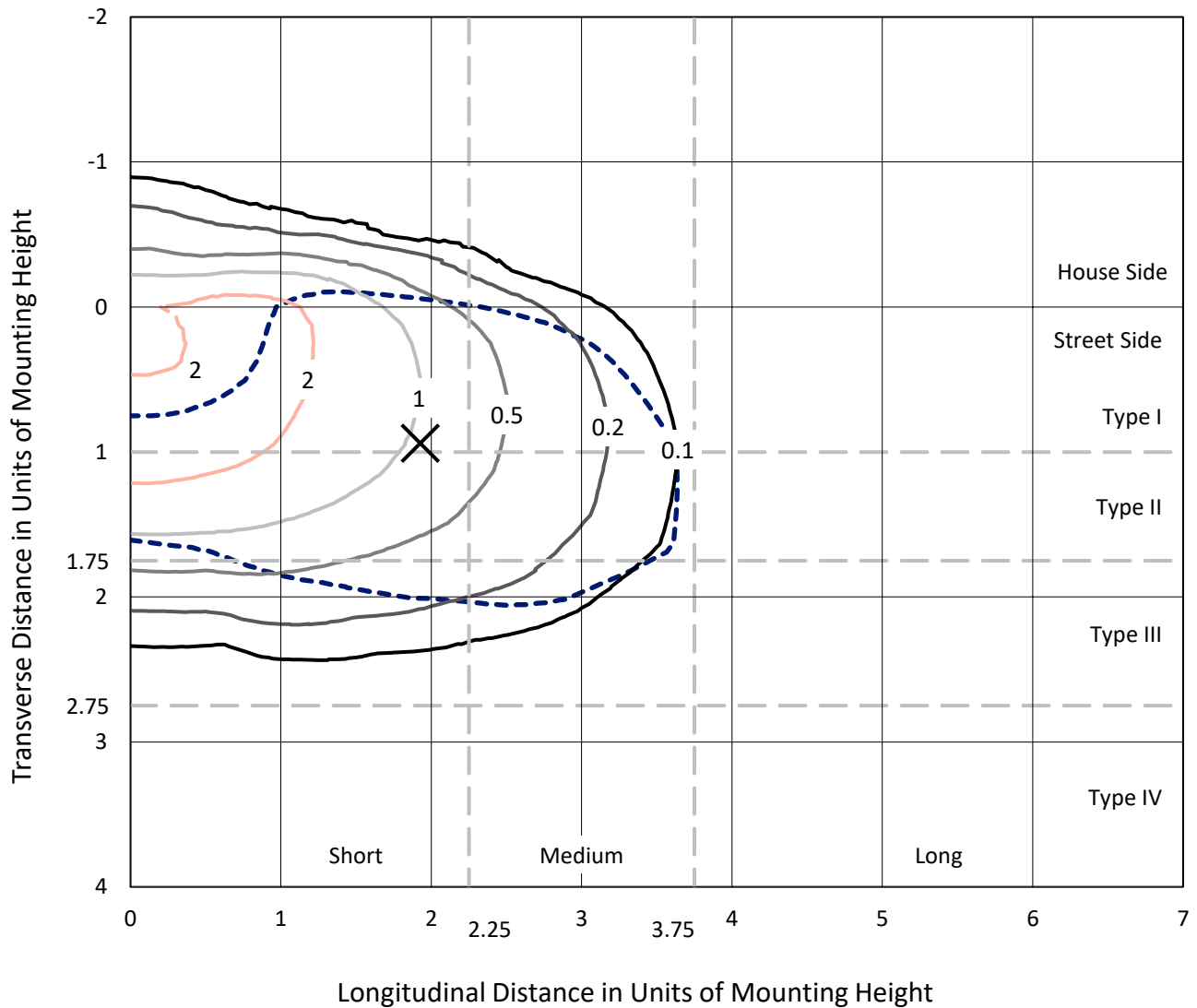
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

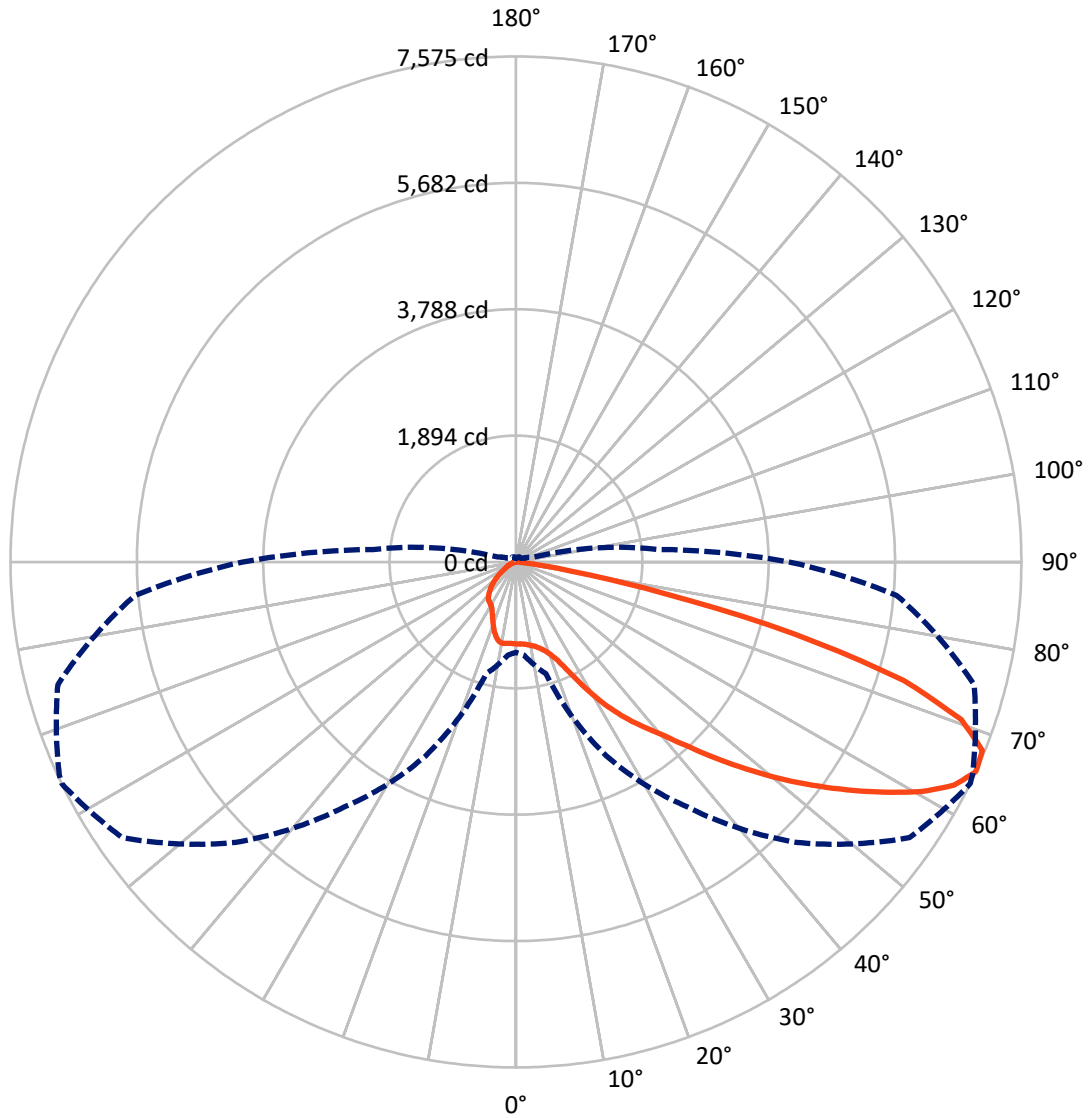
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

REPORT NUMBER: P940106
CATALOG NUMBER: GALN-SB3A-735-U-T3-HSS

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	1411.5	0.0	1411.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	9143.5	0.0	9143.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	10555.0	0.0	10555.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	1.1
10°-20°	307.2	2.9
20°-30°	582.1	5.5
30°-40°	1177.9	11.2
40°-50°	2006.6	19.0
50°-60°	2728.9	25.9
60°-70°	2562.6	24.3
70°-80°	1026.7	9.7
80°-90°	49.7	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°	10555.0	100.0
0°-180°	10555.0	100.0

Coefficient of Utilization



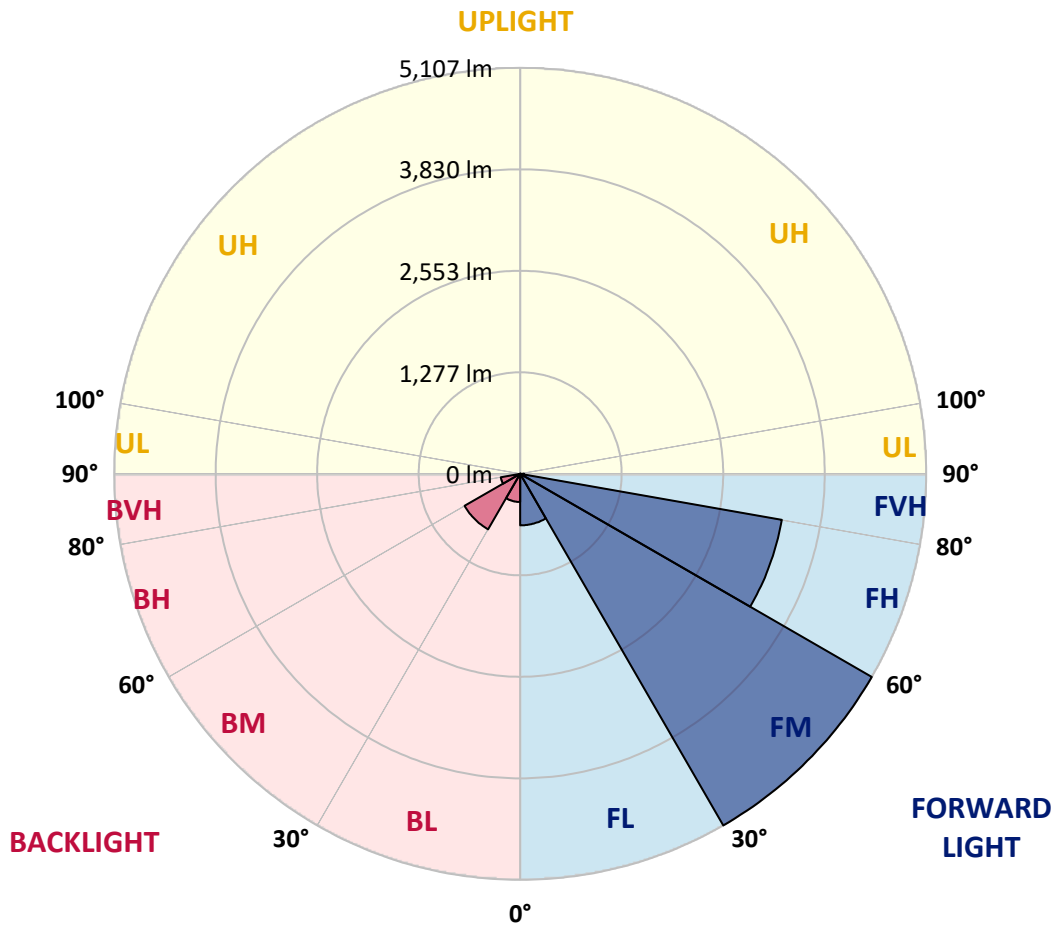
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	648.2	6.1			
FM (30°-60°)	5106.5	48.4			
FH (60°-80°)	3341.5	31.7			G2/5000
FVH (80°-90°)	47.3	0.4			G1/100
BL (0°-30°)	354.4	3.4	B1/500		
BM (30°-60°)	807.0	7.6	B1/1000		
BH (60°-80°)	247.7	2.3	B1/500		G1/500
BVH (80°-90°)	2.4	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7
2.5°	1223.4	1231.9	1229.8	1227.7	1226.9	1228.4	1229.1	1228.4	1228.4	1228.4
5°	1200.1	1207.1	1207.1	1212.1	1219.2	1227.7	1234.0	1235.4	1236.9	1239.0
7.5°	1155.5	1161.1	1165.4	1181.7	1199.4	1222.0	1241.1	1251.0	1252.4	1260.2
10°	1125.1	1132.1	1139.2	1156.2	1181.7	1215.6	1248.2	1272.2	1275.8	1294.2
12.5°	1123.6	1130.7	1139.9	1158.3	1188.0	1224.1	1263.7	1298.4	1304.8	1331.7
15°	1138.5	1147.0	1155.5	1178.1	1210.0	1253.8	1296.3	1339.5	1345.8	1384.0
17.5°	1168.9	1180.2	1186.6	1209.3	1243.2	1292.0	1347.9	1397.5	1403.1	1447.7
20°	1229.1	1242.5	1244.6	1263.0	1296.3	1348.7	1415.2	1476.7	1483.8	1534.7
22.5°	1353.6	1372.7	1355.7	1364.9	1394.6	1447.0	1519.2	1597.0	1606.9	1664.9
25°	1573.0	1599.8	1556.0	1540.4	1553.1	1607.6	1698.2	1796.6	1807.9	1854.6
27.5°	2003.9	1969.2	1902.7	1837.6	1799.4	1830.5	1932.4	2054.1	2068.3	2113.5
30°	2477.2	2446.8	2357.0	2212.6	2122.0	2117.1	2211.2	2347.1	2363.3	2406.5
32.5°	2951.3	2922.3	2824.7	2647.1	2490.0	2412.1	2477.2	2628.0	2636.5	2664.0
35°	3417.6	3387.9	3290.3	3108.4	2915.2	2738.3	2725.6	2895.4	2898.3	2927.3
37.5°	3886.8	3862.0	3758.0	3579.7	3389.3	3145.2	3027.0	3148.7	3152.3	3180.6
40°	4221.4	4232.1	4160.6	4022.6	3859.2	3592.4	3365.3	3418.3	3397.1	3444.5
42.5°	4508.7	4529.9	4467.7	4398.3	4303.5	4068.6	3784.2	3775.0	3741.0	3766.5
45°	4757.1	4774.8	4718.9	4702.6	4700.5	4535.6	4242.0	4186.8	4139.4	4134.4
47.5°	4848.4	4882.3	4906.4	4960.9	5067.0	4997.7	4715.3	4629.7	4576.6	4537.7
50°	4883.0	4919.1	5001.2	5159.7	5410.9	5440.6	5186.6	5090.4	5025.3	4954.5
52.5°	4836.3	4900.7	5011.1	5277.9	5642.3	5795.8	5638.7	5554.5	5480.2	5364.9
55°	4561.1	4625.5	4851.2	5276.4	5757.6	6044.9	6066.1	6028.6	5945.1	5763.3
57.5°	3980.9	4076.4	4433.7	5096.7	5755.5	6259.3	6485.0	6511.9	6418.5	6158.1
60°	3177.0	3306.5	3742.4	4698.3	5577.9	6375.3	6852.2	6986.7	6887.6	6547.3
62.5°	2216.9	2366.9	2779.4	4074.3	5171.7	6291.8	7120.4	7368.8	7293.8	6895.4
65°	1352.2	1400.3	1732.9	3206.1	4481.1	5942.3	7203.2	7575.4	7550.6	7108.4
67.5°	900.8	941.1	1036.6	2198.5	3478.5	5243.9	7005.1	7539.3	7546.4	7073.7
70°	542.7	577.4	639.7	1278.6	2254.4	4150.7	6391.6	7079.4	7120.4	6610.2
72.5°	223.6	246.9	303.6	579.5	1167.5	2634.3	5089.6	6078.1	6173.7	5558.1
75°	126.7	138.7	178.3	290.8	506.6	1227.7	3082.9	4314.8	4455.6	3830.9
77.5°	84.2	89.9	115.3	188.2	285.2	418.9	1317.5	2248.0	2516.9	2092.3
80°	56.6	61.6	79.2	125.9	185.4	179.7	419.6	832.8	1024.6	718.9
82.5°	38.2	38.9	56.6	82.8	117.5	87.0	123.8	259.0	325.5	208.0
85°	21.9	21.2	41.7	48.1	52.4	36.1	37.5	77.8	101.9	87.7
87.5°	2.8	4.2	16.3	12.7	7.1	7.8	7.8	13.4	19.8	21.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940106
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1227.7	0°	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7	1227.7
1229.1	2.5°	1229.1	1228.4	1226.2	1224.1	1219.2	1216.3	1217.7	1216.3	1215.6	1216.3
1238.3	5°	1238.3	1236.1	1230.5	1223.4	1213.5	1201.5	1193.7	1182.4	1171.8	1165.4
1263.0	7.5°	1263.0	1260.9	1253.1	1233.3	1201.5	1151.2	1105.2	1064.9	1034.5	1016.8
1302.7	10°	1302.7	1299.1	1287.1	1243.2	1159.7	1050.1	958.8	883.1	833.5	810.2
1349.4	12.5°	1349.4	1345.1	1323.9	1234.0	1080.5	909.2	783.3	699.1	653.1	632.6
1403.1	15°	1404.6	1398.9	1357.1	1190.2	965.1	753.6	638.2	575.3	545.5	527.1
1471.8	17.5°	1473.2	1463.3	1381.9	1124.3	839.9	634.7	549.1	501.7	475.5	457.8
1561.6	20°	1562.3	1546.1	1401.7	1045.8	724.6	559.7	488.9	449.3	429.5	413.9
1689.0	22.5°	1686.9	1663.5	1425.8	960.9	643.2	508.0	444.4	415.4	399.1	381.4
1866.6	25°	1841.1	1813.5	1455.5	882.4	587.3	463.5	411.8	387.8	368.7	348.1
2099.4	27.5°	2056.9	2007.4	1490.9	818.0	539.2	425.3	382.1	355.2	333.3	316.3
2363.3	30°	2297.5	2216.1	1522.0	779.0	495.3	389.9	343.2	316.3	295.8	283.7
2600.4	32.5°	2525.4	2415.0	1542.5	762.1	455.7	349.5	300.7	271.7	256.1	252.6
2832.5	35°	2740.5	2594.7	1540.4	745.8	420.3	309.2	259.0	229.3	217.2	219.4
3082.2	37.5°	2988.1	2786.5	1525.5	720.3	391.3	272.4	222.9	196.7	186.1	186.8
3385.8	40°	3276.1	3007.9	1516.3	672.2	359.5	238.5	193.2	171.9	164.2	161.3
3705.6	42.5°	3583.2	3222.3	1517.8	617.7	319.8	208.0	172.7	155.0	147.9	145.8
4061.5	45°	3891.7	3426.8	1519.9	561.1	278.1	184.7	157.8	142.9	138.7	135.9
4422.4	47.5°	4181.8	3600.9	1480.3	500.3	237.0	167.0	145.8	135.9	132.3	128.8
4784.7	50°	4452.1	3716.9	1384.7	429.5	204.5	152.8	136.6	129.5	125.9	122.4
5113.0	52.5°	4662.3	3735.3	1226.9	356.6	181.8	142.2	130.9	124.5	120.3	116.8
5378.3	55°	4755.7	3620.0	1002.6	288.7	164.2	133.0	125.2	118.9	113.9	110.4
5587.1	57.5°	4731.6	3377.3	781.9	232.1	147.2	123.8	118.2	113.9	108.3	102.6
5756.2	60°	4613.4	3052.5	589.4	193.2	131.6	113.9	110.4	106.8	99.1	90.6
5821.3	62.5°	4408.9	2644.2	420.3	159.9	114.6	102.6	101.2	98.4	87.0	71.5
5725.1	65°	4096.2	2148.2	283.0	133.0	98.4	89.9	90.6	85.6	70.8	53.1
5372.7	67.5°	3639.1	1570.8	181.1	109.0	82.1	75.0	75.7	72.9	60.1	45.3
4704.7	70°	3056.8	1040.1	118.2	82.8	65.8	58.0	62.3	63.0	50.9	36.8
3610.8	72.5°	2240.9	614.2	82.8	61.6	48.1	40.3	50.9	52.4	41.0	27.6
2172.3	75°	1277.2	291.5	62.3	44.6	29.7	28.3	39.6	39.6	28.3	18.4
940.4	77.5°	536.3	121.7	43.9	29.0	17.0	16.3	26.9	24.8	14.2	8.5
229.3	80°	155.0	54.5	23.4	14.2	7.1	6.4	10.6	7.8	3.5	1.4
87.0	82.5°	60.9	24.1	9.2	5.7	2.8	2.8	1.4	0.0	0.0	0.0
49.5	85°	36.1	9.9	4.2	2.1	0.7	0.0	0.0	0.0	0.0	0.0
10.6	87.5°	9.2	2.1	1.4	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

(END O

<u>180°</u>
1227.7
1219.2
1166.8
1017.5
808.1
630.5
527.9
456.4
411.1
378.6
346.0
312.8
281.6
254.7
219.4
189.6
160.6
145.1
135.9
128.8
122.4
116.0
109.7
101.9
89.2
70.1
51.7
43.2
35.4
26.2
17.0
8.5
1.4
0.0
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