

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: P940126

Luminaire Tested: **GALN-SB3A-750-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940126
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-750-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 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: 11167 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

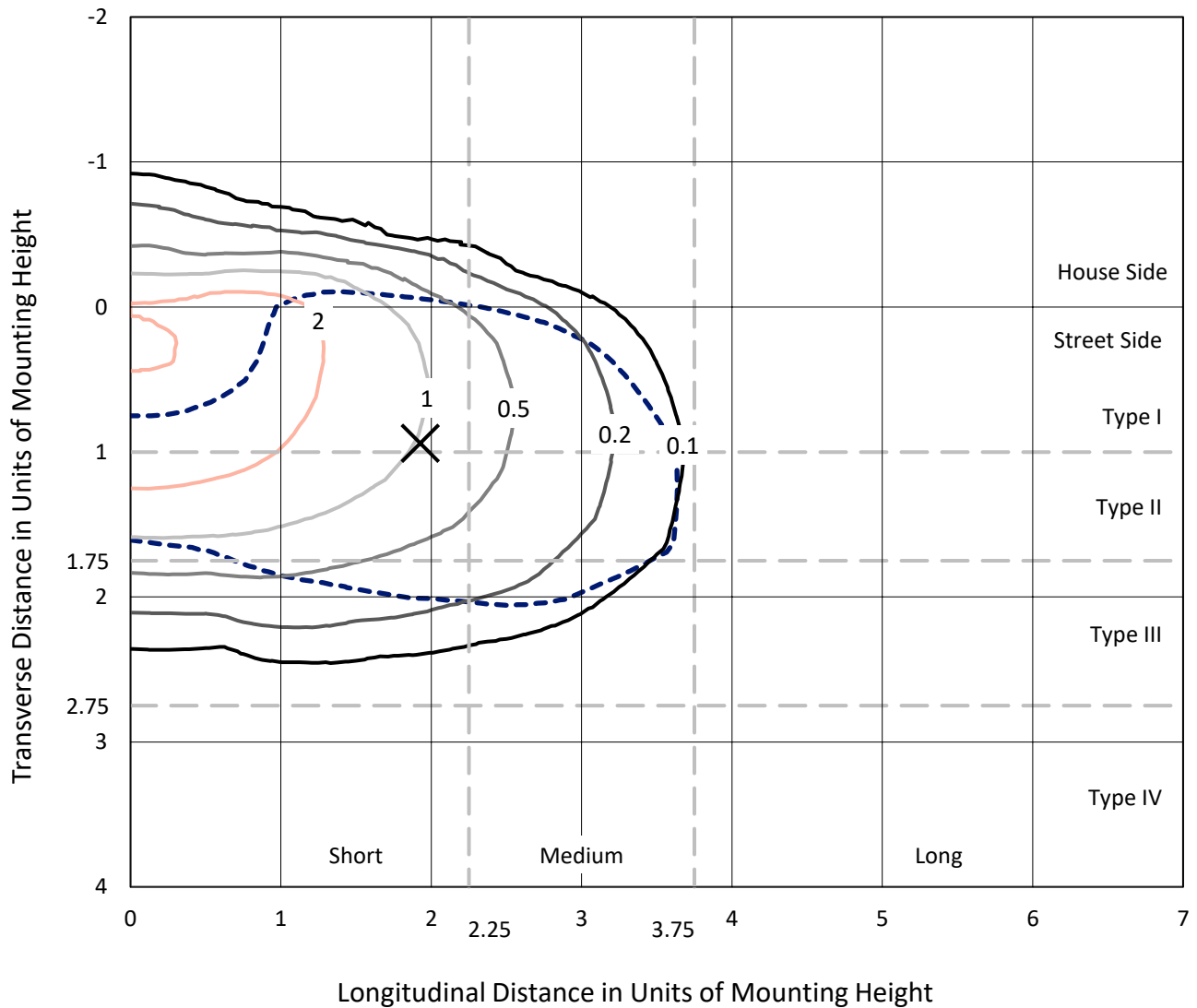
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

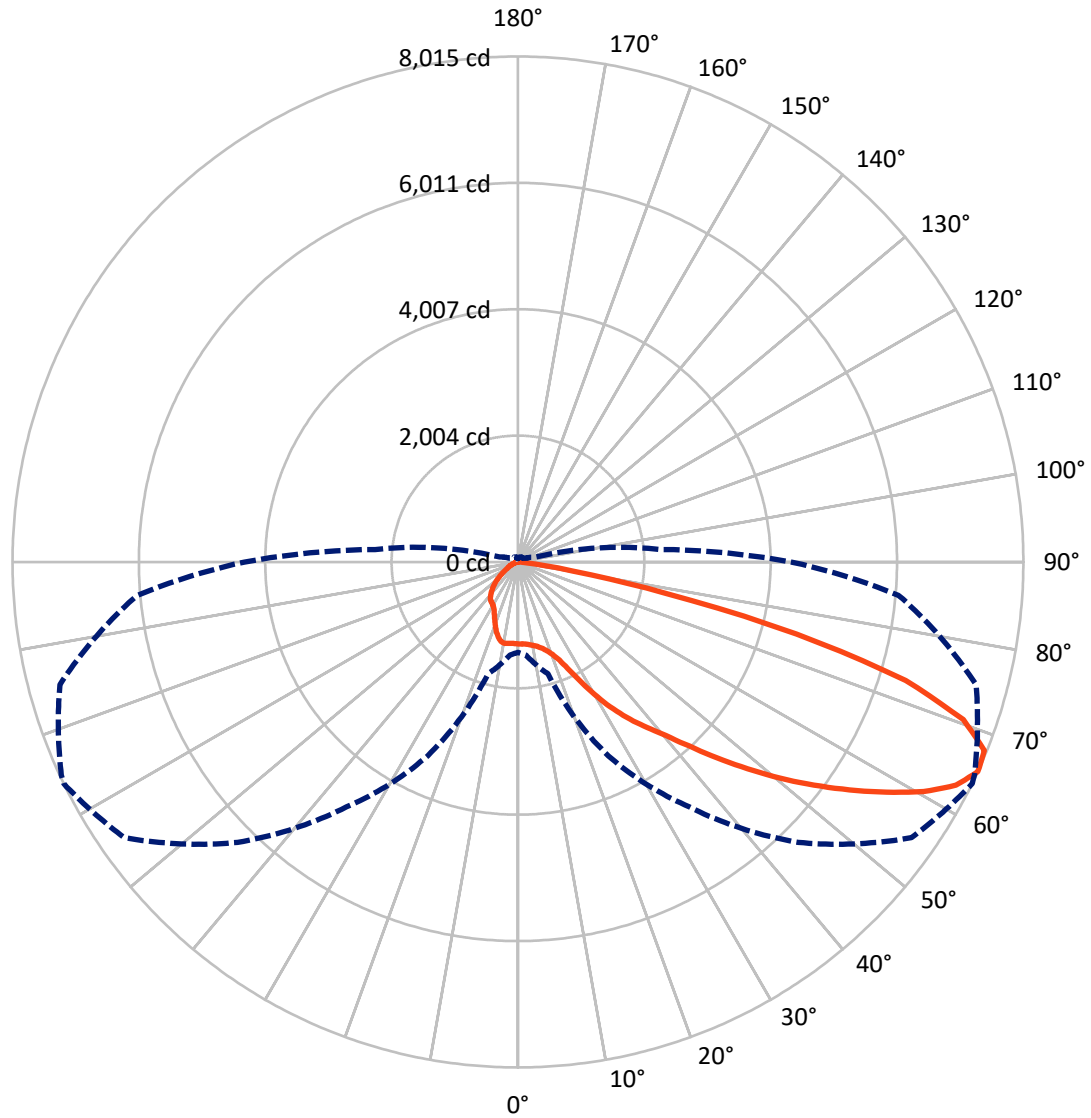
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - N/A

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CATALOG NUMBER: GALN-SB3A-750-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	1493.4	0.0	1493.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	9673.6	0.0	9673.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	11167.0	0.0	11167.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	1.1
10°-20°	325.0	2.9
20°-30°	615.9	5.5
30°-40°	1246.2	11.2
40°-50°	2123.0	19.0
50°-60°	2887.1	25.9
60°-70°	2711.1	24.3
70°-80°	1086.2	9.7
80°-90°	52.6	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°	11167.0	100.0
0°-180°	11167.0	100.0

Coefficient of Utilization



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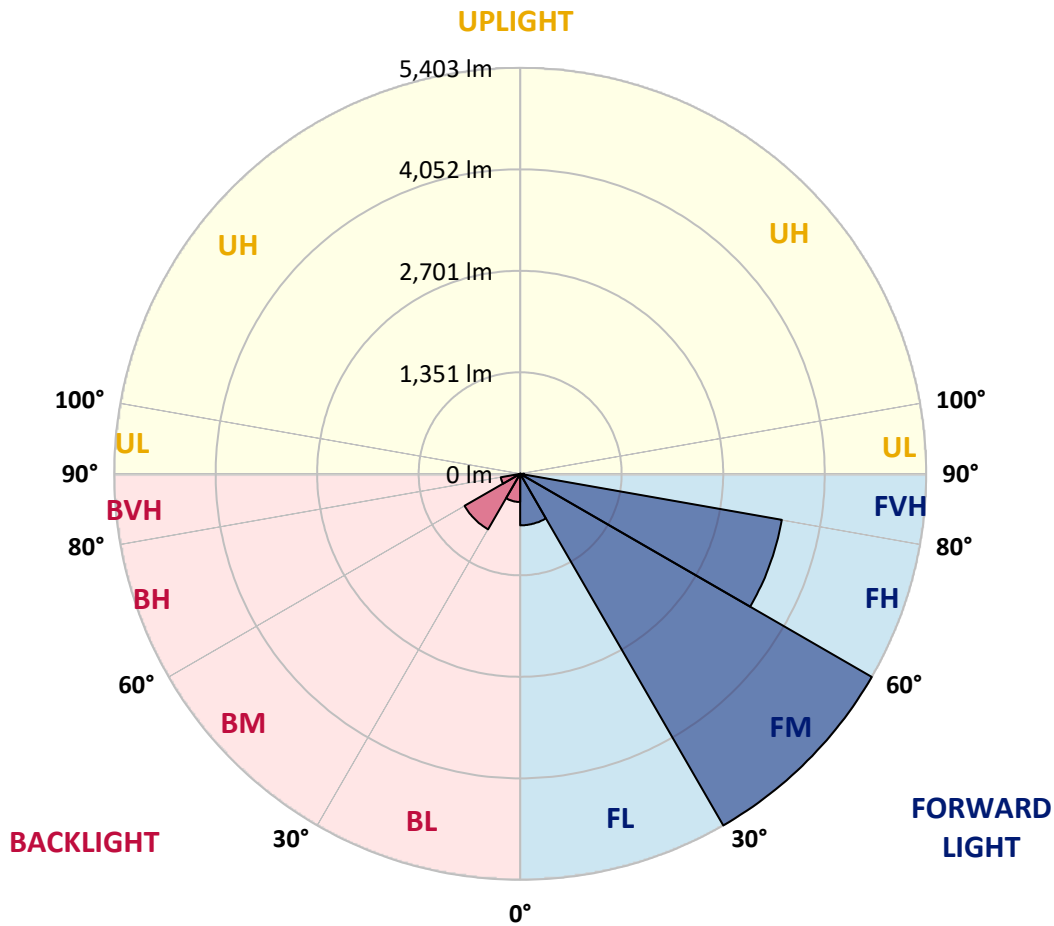
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	685.8	6.1			
FM (30°-60°)	5402.6	48.4			
FH (60°-80°)	3535.2	31.7			G2/5000
FVH (80°-90°)	50.1	0.4			G1/100
BL (0°-30°)	374.9	3.4	B1/500		
BM (30°-60°)	853.7	7.6	B1/1000		
BH (60°-80°)	262.1	2.3	B1/500		G1/500
BVH (80°-90°)	2.6	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°	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8
2.5°	1294.3	1303.3	1301.1	1298.8	1298.1	1299.6	1300.3	1299.6	1299.6	1299.6
5°	1269.6	1277.1	1277.1	1282.4	1289.9	1298.8	1305.6	1307.1	1308.6	1310.8
7.5°	1222.5	1228.5	1233.0	1250.2	1268.9	1292.8	1313.1	1323.5	1325.0	1333.3
10°	1190.3	1197.8	1205.3	1223.2	1250.2	1286.1	1320.5	1346.0	1349.7	1369.2
12.5°	1188.8	1196.3	1206.0	1225.5	1256.9	1295.1	1337.0	1373.7	1380.4	1408.9
15°	1204.5	1213.5	1222.5	1246.4	1280.1	1326.5	1371.5	1417.1	1423.9	1464.3
17.5°	1236.7	1248.7	1255.4	1279.4	1315.3	1367.0	1426.1	1478.5	1484.5	1531.7
20°	1300.3	1314.6	1316.8	1336.3	1371.5	1426.9	1497.2	1562.3	1569.8	1623.7
22.5°	1432.1	1452.3	1434.3	1444.1	1475.5	1530.9	1607.3	1689.6	1700.1	1761.5
25°	1664.2	1692.6	1646.2	1629.7	1643.2	1700.8	1796.7	1900.7	1912.7	1962.1
27.5°	2120.1	2083.4	2013.0	1944.1	1903.7	1936.7	2044.5	2173.2	2188.2	2236.1
30°	2620.9	2588.7	2493.6	2340.9	2245.1	2239.8	2339.4	2483.1	2500.4	2546.0
32.5°	3122.5	3091.8	2988.5	2800.5	2634.4	2552.0	2620.9	2780.3	2789.3	2818.5
35°	3615.8	3584.3	3481.0	3288.6	3084.3	2897.1	2883.6	3063.3	3066.3	3097.0
37.5°	4112.1	4085.9	3975.9	3787.2	3585.8	3327.6	3202.6	3331.3	3335.1	3365.0
40°	4466.2	4477.4	4401.8	4255.8	4082.9	3800.7	3560.4	3616.5	3594.1	3644.2
42.5°	4770.1	4792.6	4726.7	4653.4	4553.0	4304.5	4003.6	3993.8	3957.9	3984.9
45°	5032.9	5051.6	4992.5	4975.3	4973.0	4798.6	4487.9	4429.5	4379.4	4374.1
47.5°	5129.5	5165.4	5190.9	5248.5	5360.8	5287.4	4988.7	4898.2	4842.0	4800.8
50°	5166.2	5204.3	5291.2	5458.9	5724.6	5756.1	5487.3	5385.5	5316.6	5241.8
52.5°	5116.7	5184.9	5301.7	5583.9	5969.4	6131.9	5965.7	5876.6	5798.0	5676.0
55°	4825.5	4893.7	5132.5	5582.4	6091.4	6395.4	6417.8	6378.2	6289.8	6097.4
57.5°	4211.7	4312.7	4690.8	5392.2	6089.2	6622.2	6861.0	6889.5	6790.6	6515.2
60°	3361.3	3498.3	3959.4	4970.8	5901.3	6745.0	7249.5	7391.8	7287.0	6926.9
62.5°	2345.4	2504.1	2940.5	4310.5	5471.6	6656.6	7533.3	7796.0	7716.7	7295.2
65°	1430.6	1481.5	1833.3	3392.0	4740.9	6286.8	7620.8	8014.6	7988.4	7520.5
67.5°	953.0	995.7	1096.7	2325.9	3680.2	5547.9	7411.2	7976.4	7983.9	7483.9
70°	574.2	610.9	676.7	1352.7	2385.1	4391.3	6762.2	7489.8	7533.3	6993.5
72.5°	236.6	261.3	321.2	613.1	1235.2	2787.1	5384.8	6430.6	6531.6	5880.3
75°	134.0	146.7	188.6	307.7	536.0	1298.8	3261.7	4565.0	4714.0	4053.0
77.5°	89.1	95.1	122.0	199.1	301.7	443.2	1393.9	2378.3	2662.8	2213.6
80°	59.9	65.1	83.8	133.3	196.1	190.1	443.9	881.1	1084.0	760.6
82.5°	40.4	41.2	59.9	87.6	124.3	92.1	131.0	274.0	344.4	220.1
85°	23.2	22.5	44.2	50.9	55.4	38.2	39.7	82.3	107.8	92.8
87.5°	3.0	4.5	17.2	13.5	7.5	8.2	8.2	14.2	21.0	22.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940126
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1298.8	0°	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8	1298.8
1300.3	2.5°	1300.3	1299.6	1297.3	1295.1	1289.9	1286.9	1288.4	1286.9	1286.1	1286.9
1310.1	5°	1310.1	1307.8	1301.8	1294.3	1283.9	1271.1	1262.9	1250.9	1239.7	1233.0
1336.3	7.5°	1336.3	1334.0	1325.8	1304.8	1271.1	1218.0	1169.3	1126.7	1094.5	1075.8
1378.2	10°	1378.2	1374.4	1361.7	1315.3	1227.0	1110.9	1014.4	934.3	881.9	857.2
1427.6	12.5°	1427.6	1423.1	1400.6	1305.6	1143.1	962.0	828.7	739.6	691.0	669.3
1484.5	15°	1486.0	1480.0	1435.8	1259.2	1021.1	797.3	675.2	608.6	577.2	557.7
1557.1	17.5°	1558.6	1548.1	1462.0	1189.5	888.6	671.5	580.9	530.8	503.1	484.4
1652.2	20°	1652.9	1635.7	1483.0	1106.4	766.6	592.2	517.3	475.4	454.4	437.9
1786.9	22.5°	1784.7	1760.0	1508.4	1016.6	680.5	537.5	470.1	439.4	422.2	403.5
1974.8	25°	1947.9	1918.7	1539.9	933.5	621.3	490.3	435.7	410.2	390.0	368.3
2221.1	27.5°	2176.2	2123.8	1577.3	865.4	570.4	449.9	404.2	375.8	352.6	334.6
2500.4	30°	2430.7	2344.6	1610.3	824.2	524.0	412.5	363.1	334.6	312.9	300.2
2751.1	32.5°	2671.8	2555.0	1632.0	806.3	482.1	369.8	318.2	287.5	271.0	267.3
2996.7	35°	2899.4	2745.2	1629.7	789.0	444.7	327.1	274.0	242.5	229.8	232.1
3260.9	37.5°	3161.4	2948.0	1614.0	762.1	414.0	288.2	235.8	208.1	196.9	197.6
3582.1	40°	3466.1	3182.3	1604.3	711.2	380.3	252.3	204.4	181.9	173.7	170.7
3920.5	42.5°	3791.0	3409.2	1605.8	653.5	338.4	220.1	182.7	163.9	156.5	154.2
4297.0	45°	4117.4	3625.5	1608.0	593.6	294.2	195.4	166.9	151.2	146.7	143.7
4678.8	47.5°	4424.3	3809.7	1566.1	529.3	250.8	176.7	154.2	143.7	140.0	136.2
5062.1	50°	4710.3	3932.4	1465.0	454.4	216.3	161.7	144.5	137.0	133.3	129.5
5409.5	52.5°	4932.6	3951.9	1298.1	377.3	192.4	150.5	138.5	131.8	127.3	123.5
5690.2	55°	5031.4	3829.9	1060.8	305.4	173.7	140.7	132.5	125.8	120.5	116.8
5911.0	57.5°	5006.0	3573.1	827.2	245.5	155.7	131.0	125.0	120.5	114.5	108.5
6089.9	60°	4880.9	3229.5	623.6	204.4	139.2	120.5	116.8	113.0	104.8	95.8
6158.8	62.5°	4664.6	2797.6	444.7	169.2	121.3	108.5	107.1	104.1	92.1	75.6
6057.0	65°	4333.7	2272.8	299.4	140.7	104.1	95.1	95.8	90.6	74.9	56.1
5684.2	67.5°	3850.1	1661.9	191.6	115.3	86.8	79.4	80.1	77.1	63.6	47.9
4977.5	70°	3234.0	1100.5	125.0	87.6	69.6	61.4	65.9	66.6	53.9	38.9
3820.2	72.5°	2370.8	649.8	87.6	65.1	50.9	42.7	53.9	55.4	43.4	29.2
2298.2	75°	1351.2	308.4	65.9	47.2	31.4	29.9	41.9	41.9	29.9	19.5
994.9	77.5°	567.4	128.8	46.4	30.7	18.0	17.2	28.4	26.2	15.0	9.0
242.5	80°	163.9	57.6	24.7	15.0	7.5	6.7	11.2	8.2	3.7	1.5
92.1	82.5°	64.4	25.5	9.7	6.0	3.0	3.0	1.5	0.0	0.0	0.0
52.4	85°	38.2	10.5	4.5	2.2	0.7	0.0	0.0	0.0	0.0	0.0
11.2	87.5°	9.7	2.2	1.5	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

(END O

<u>180°</u>
1298.8
1289.9
1234.5
1076.5
854.9
667.0
558.5
482.9
434.9
400.5
366.1
330.9
297.9
269.5
232.1
200.6
169.9
153.5
143.7
136.2
129.5
122.8
116.0
107.8
94.3
74.1
54.6
45.7
37.4
27.7
18.0
9.0
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