

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: P940364

Luminaire Tested: **GALN-SB3B-927-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7510 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

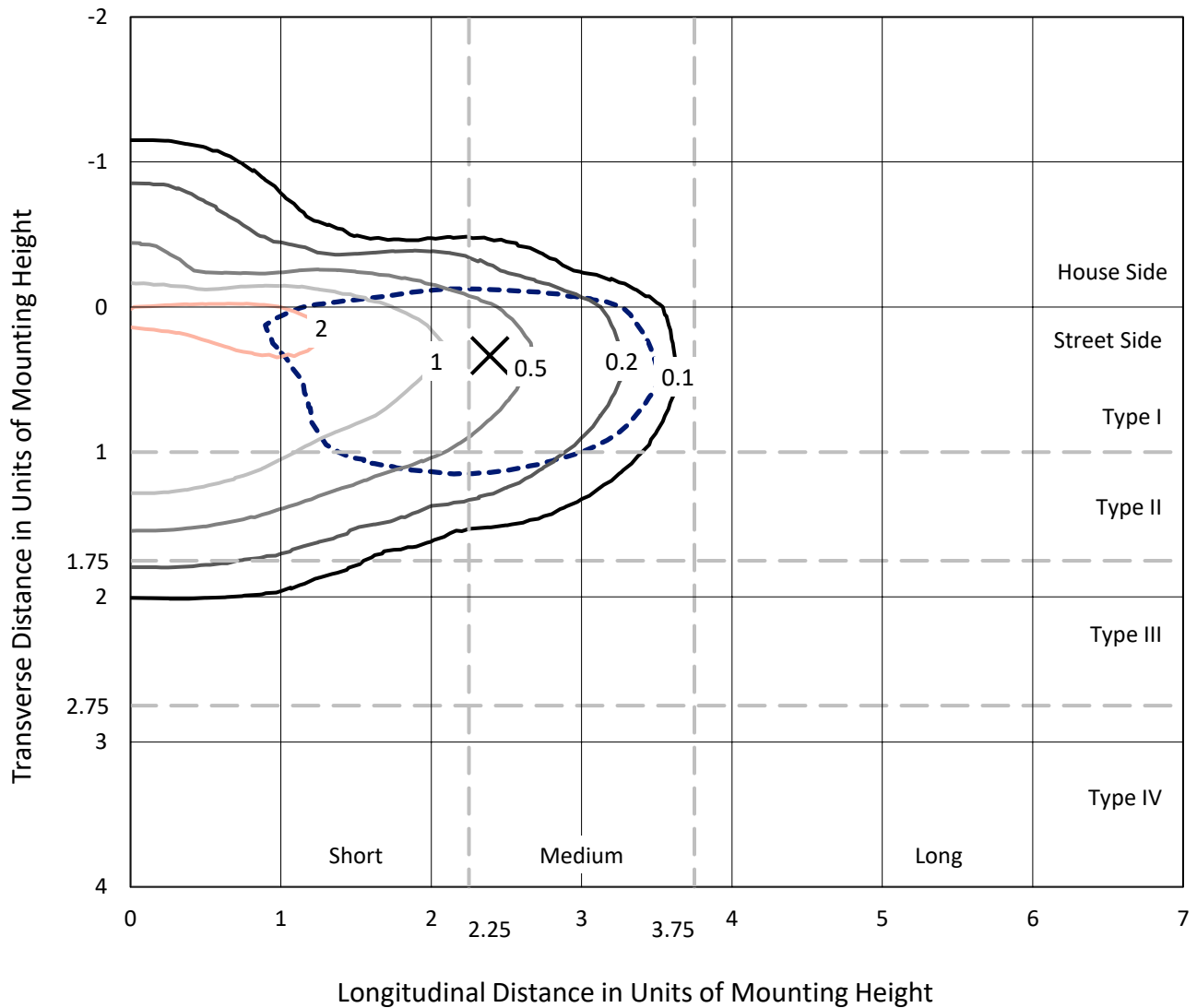
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

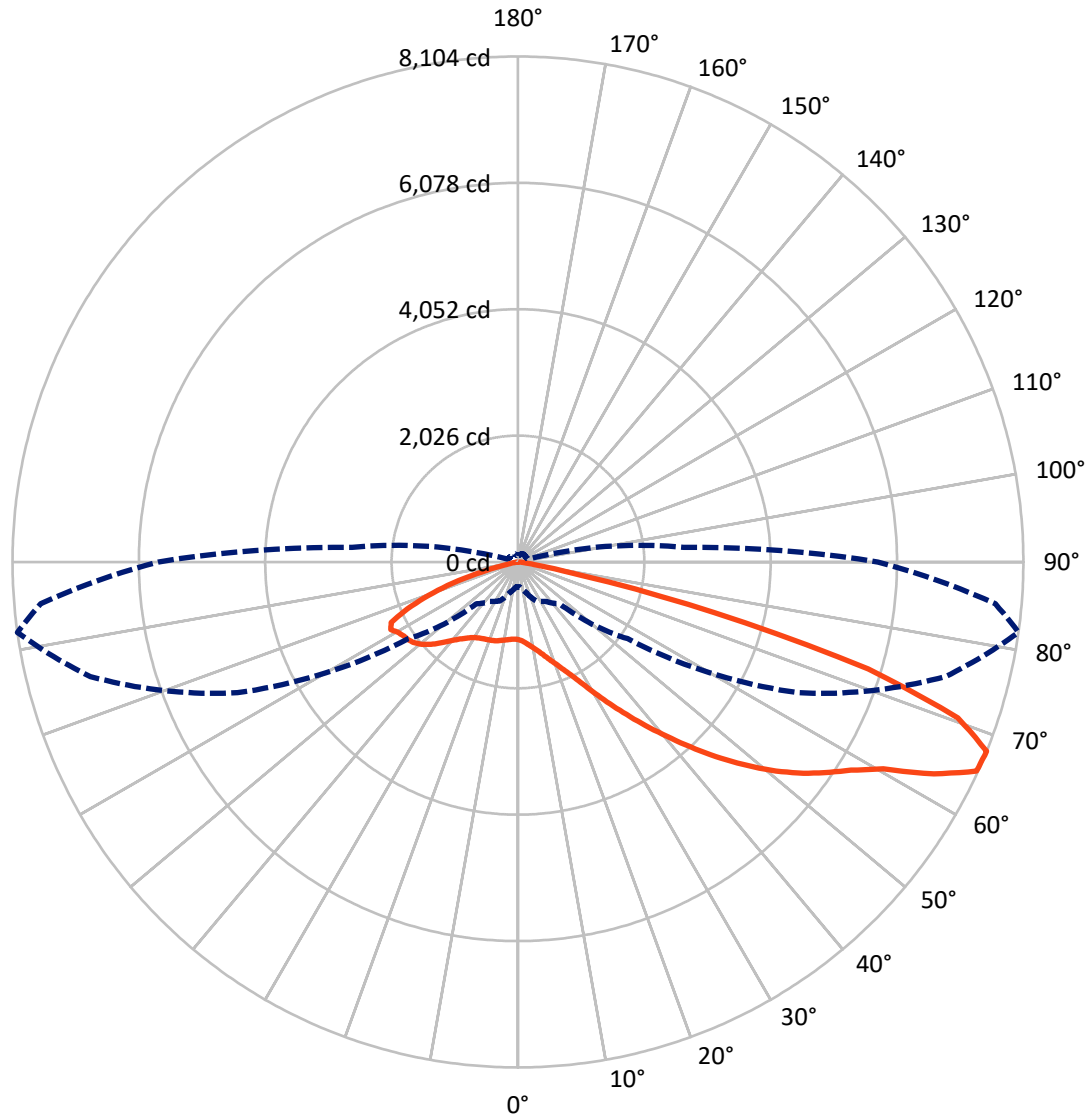
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1360.4	0.0	1360.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	6149.6	0.0	6149.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	7510.0	0.0	7510.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.8	1.5
10°-20°	288.0	3.8
20°-30°	461.3	6.1
30°-40°	815.8	10.9
40°-50°	1429.4	19.0
50°-60°	1906.4	25.4
60°-70°	1774.7	23.6
70°-80°	681.1	9.1
80°-90°	42.3	0.6
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°	7510.0	100.0
0°-180°	7510.0	100.0

Coefficient of Utilization



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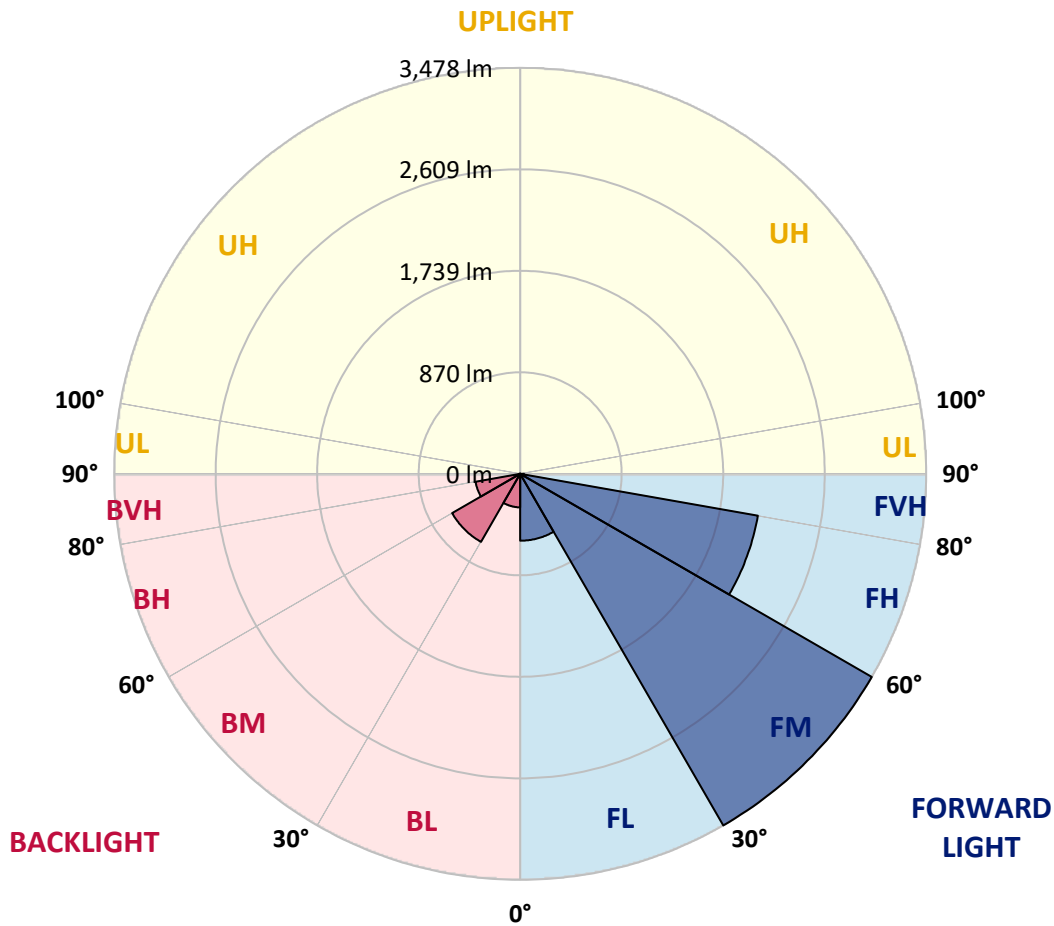
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.9	7.6			
FM (30°-60°)	3478.3	46.3			
FH (60°-80°)	2067.6	27.5			G2/5000
FVH (80°-90°)	30.8	0.4			G1/100
BL (0°-30°)	287.3	3.8	B1/500		
BM (30°-60°)	673.2	9.0	B1/1000		
BH (60°-80°)	388.3	5.2	B1/500		G1/500
BVH (80°-90°)	11.5	0.2			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
2.5°	1315.0	1322.6	1318.2	1316.1	1312.3	1306.9	1302.5	1289.0	1275.0	1265.8
5°	1341.5	1349.0	1348.5	1350.7	1353.4	1355.0	1353.9	1338.8	1318.8	1303.1
7.5°	1318.8	1327.4	1334.4	1345.3	1364.2	1384.2	1393.9	1390.7	1370.1	1348.5
10°	1254.4	1263.6	1280.4	1305.8	1345.8	1389.1	1425.3	1442.0	1429.1	1405.3
12.5°	1136.6	1145.7	1178.7	1233.9	1300.9	1376.1	1445.3	1490.2	1493.4	1469.6
15°	1004.1	1013.3	1048.4	1117.6	1219.8	1340.4	1456.1	1541.0	1569.7	1549.1
17.5°	921.9	930.0	956.5	1012.2	1118.7	1269.0	1452.3	1595.1	1660.5	1644.3
20°	897.0	904.1	916.5	955.4	1044.1	1194.9	1427.5	1645.9	1758.4	1749.2
22.5°	923.5	930.0	933.8	951.1	1006.8	1146.3	1396.1	1697.8	1871.9	1873.0
25°	984.6	991.1	986.8	997.6	1021.9	1131.1	1384.2	1758.9	2014.7	2026.5
27.5°	1085.2	1085.7	1075.5	1074.9	1078.7	1153.9	1396.6	1824.3	2194.7	2216.9
30°	1286.9	1278.8	1239.3	1196.6	1177.1	1222.0	1431.2	1901.6	2407.2	2446.7
32.5°	1597.8	1585.9	1513.4	1411.2	1308.5	1331.7	1493.4	1989.8	2638.6	2710.0
35°	1935.2	1931.9	1856.2	1704.3	1524.8	1488.0	1594.5	2105.5	2891.1	3004.7
37.5°	2248.8	2247.2	2203.9	2024.9	1806.5	1705.9	1756.7	2256.9	3161.5	3325.9
40°	2535.3	2540.2	2497.0	2336.9	2116.8	1985.5	1977.3	2444.0	3462.1	3675.7
42.5°	2783.0	2788.4	2744.6	2626.2	2423.4	2294.7	2248.2	2673.2	3755.7	4051.5
45°	2951.1	2984.7	2978.2	2883.6	2738.1	2604.6	2573.7	2960.9	4090.4	4450.0
47.5°	2998.7	3029.5	3078.2	3091.2	3002.5	2871.1	2907.9	3307.5	4428.9	4849.0
50°	2881.4	2910.1	3011.2	3145.8	3207.4	3166.9	3232.9	3678.9	4775.5	5247.0
52.5°	2650.0	2679.2	2806.8	3019.8	3271.2	3398.8	3558.9	4045.0	5111.2	5623.8
55°	2315.3	2346.1	2509.9	2751.1	3149.6	3494.6	3830.9	4410.5	5418.9	5962.8
57.5°	1860.0	1882.7	2053.0	2390.4	2843.5	3399.4	4031.5	4809.5	5708.7	6295.9
60°	1212.3	1232.3	1430.2	1806.5	2336.4	3081.5	4071.5	5254.5	6093.7	6729.0
62.5°	806.2	819.7	937.0	1213.3	1645.4	2471.0	3837.4	5609.8	6658.2	7482.8
65°	553.1	566.7	684.0	876.5	1063.0	1634.5	3164.2	5562.7	7169.7	8081.3
67.5°	394.7	406.1	505.6	687.2	769.4	949.5	2145.0	4961.5	7096.2	8104.0
70°	282.8	289.3	371.5	535.3	611.5	570.4	1192.8	3794.6	6213.2	7483.3
72.5°	197.9	200.1	257.9	407.7	492.6	416.3	567.7	2529.9	4699.2	5873.6
75°	134.1	136.8	173.6	299.0	395.3	317.9	300.6	1356.6	2758.7	3251.2
77.5°	82.2	83.3	111.9	204.4	295.8	242.2	193.6	574.8	1067.3	1047.9
80°	46.5	46.5	71.4	127.1	201.7	156.3	135.7	244.4	337.9	296.8
82.5°	26.0	26.5	51.9	78.9	133.6	92.5	74.6	113.0	146.0	129.2
85°	10.8	11.9	31.9	37.3	63.8	46.0	30.3	47.6	54.1	48.1
87.5°	1.1	1.6	9.7	7.0	7.6	9.2	4.3	9.2	7.6	7.6
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°
1244.2	0°	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2	1244.2
1262.5	2.5°	1252.3	1244.2	1223.6	1199.8	1168.5	1153.3	1132.8	1118.7	1106.8	1107.9
1293.9	5°	1276.6	1256.0	1210.1	1152.8	1081.4	1030.6	976.5	939.2	908.9	902.4
1337.2	7.5°	1310.1	1277.7	1197.1	1093.8	973.3	881.9	800.2	747.8	710.5	698.6
1389.6	10°	1353.4	1306.3	1180.4	1019.8	846.2	729.9	642.4	601.3	575.8	567.2
1451.2	12.5°	1403.7	1339.3	1158.2	929.5	715.3	603.4	547.7	527.2	519.1	516.4
1526.9	15°	1466.9	1380.4	1124.7	822.4	604.5	526.1	502.3	499.6	500.7	499.6
1617.8	17.5°	1542.1	1425.3	1070.0	712.1	529.9	486.6	478.0	480.1	482.8	482.3
1719.4	20°	1624.3	1469.6	1000.3	614.2	479.1	458.5	453.6	455.8	458.0	456.9
1836.8	22.5°	1717.8	1517.2	923.0	538.0	445.0	432.6	427.2	427.7	427.7	425.5
1985.5	25°	1829.7	1569.7	841.9	483.9	419.0	409.3	402.8	400.7	397.4	390.9
2166.0	27.5°	1963.3	1625.3	764.0	446.1	398.5	389.3	381.7	376.3	368.2	357.4
2382.9	30°	2113.6	1692.9	698.0	422.3	382.3	373.1	364.4	356.3	344.4	330.9
2632.1	32.5°	2290.4	1765.4	649.9	406.6	367.7	357.9	347.7	337.9	325.0	311.4
2912.2	35°	2501.3	1853.0	621.8	395.8	356.3	343.3	332.0	321.2	311.4	299.5
3216.6	37.5°	2730.0	1946.0	613.2	390.4	348.8	328.7	315.8	308.2	307.1	300.1
3545.9	40°	2980.3	2056.3	619.6	387.1	340.6	314.7	300.6	299.0	301.7	289.3
3897.9	42.5°	3245.3	2187.1	630.5	383.4	329.3	300.6	287.1	287.1	284.9	267.6
4269.9	45°	3531.9	2338.0	641.3	374.2	315.8	286.6	276.3	272.5	263.3	246.6
4644.1	47.5°	3820.6	2491.5	649.4	357.4	299.5	274.7	265.5	256.8	243.3	228.2
5011.2	50°	4094.7	2629.4	640.7	332.5	281.2	263.3	253.6	241.7	227.1	216.8
5358.9	52.5°	4339.7	2748.9	604.0	303.3	261.7	251.4	242.8	230.3	218.4	207.6
5672.5	55°	4552.7	2845.7	539.1	275.8	244.4	241.2	232.5	216.8	200.6	191.4
5983.4	57.5°	4757.1	2919.2	458.0	253.0	228.7	229.8	216.8	202.8	187.6	177.9
6402.4	60°	5029.1	3017.7	375.8	232.0	212.0	215.2	201.1	190.9	171.9	159.5
7121.0	62.5°	5463.8	3170.7	298.5	206.0	192.5	193.6	187.6	175.2	152.5	137.9
7653.6	65°	5808.8	3114.4	235.2	177.9	170.3	171.9	171.9	158.4	134.1	117.3
7682.3	67.5°	5769.8	2666.7	187.6	150.3	149.2	150.3	154.1	142.7	119.0	105.4
7097.2	70°	5315.1	2121.2	150.3	124.9	129.8	127.1	137.9	130.3	107.1	93.5
5502.2	72.5°	4337.0	1528.0	114.6	103.3	99.5	103.8	124.4	117.3	89.2	74.1
2914.4	75°	2534.3	815.4	85.4	81.6	71.9	86.5	110.3	100.0	68.1	54.6
893.2	77.5°	825.1	284.4	62.7	60.0	53.5	69.8	94.1	84.3	55.7	43.3
261.7	80°	221.1	86.0	42.7	39.5	34.6	51.9	74.6	67.0	40.0	28.1
112.5	82.5°	88.7	36.2	24.9	22.2	18.9	35.7	58.9	54.1	29.7	17.8
35.1	85°	28.7	11.9	9.2	7.0	8.7	22.2	35.1	36.8	21.1	9.2
5.4	87.5°	3.8	1.6	1.6	2.2	1.6	3.8	10.8	10.3	5.9	1.1
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

180°
1244.2
1097.1
887.8
686.7
560.7
514.7
499.1
481.2
456.4
424.5
389.8
356.3
329.8
312.0
298.5
299.5
289.8
267.6
246.0
227.6
215.2
206.5
190.3
176.8
157.9
136.8
115.7
103.3
91.9
72.5
53.0
41.6
27.6
17.8
7.0
0.0
0.0

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