

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: P945300

Luminaire Tested: **GALN-SB1B-750-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945300
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-750-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5824 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

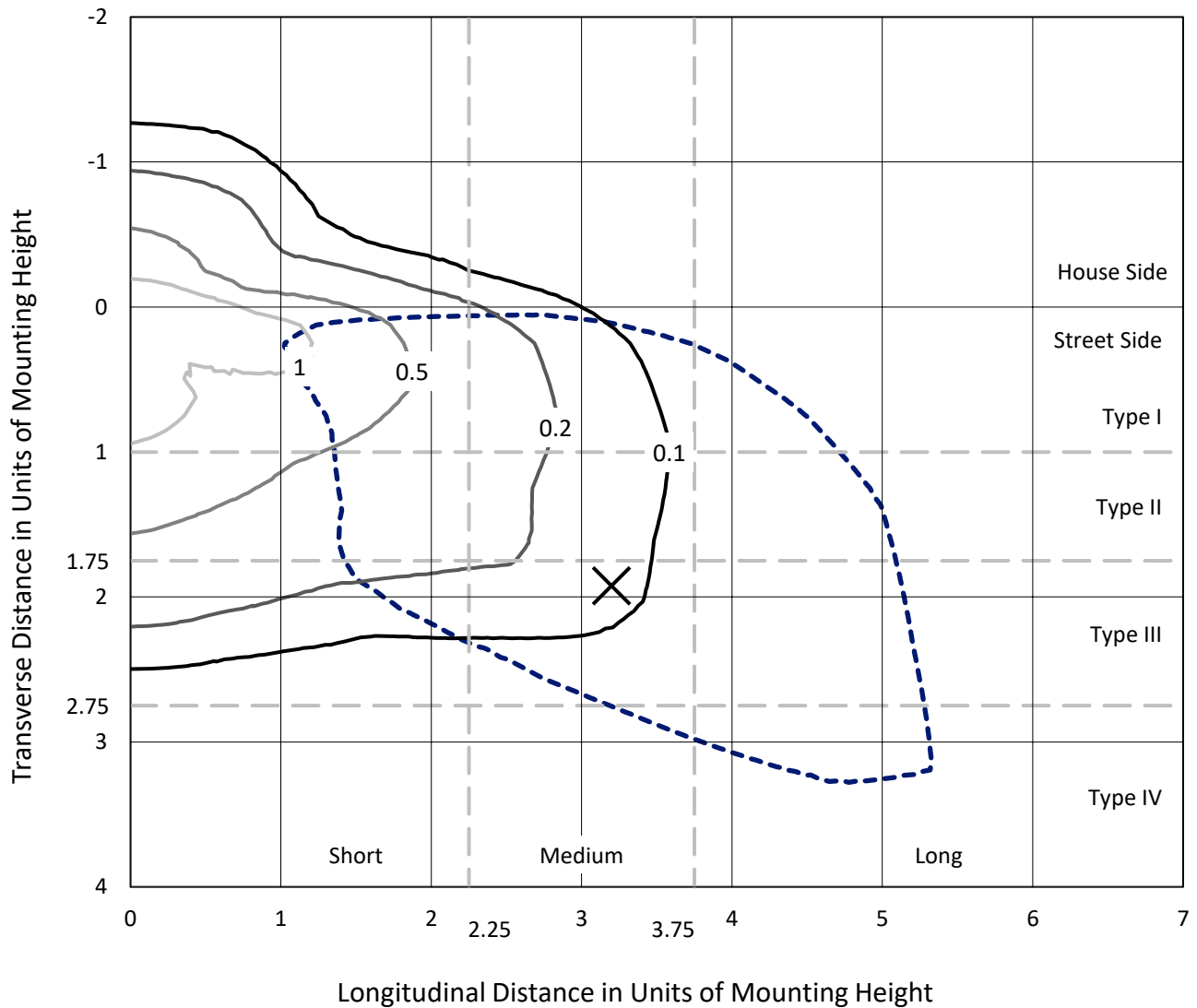
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

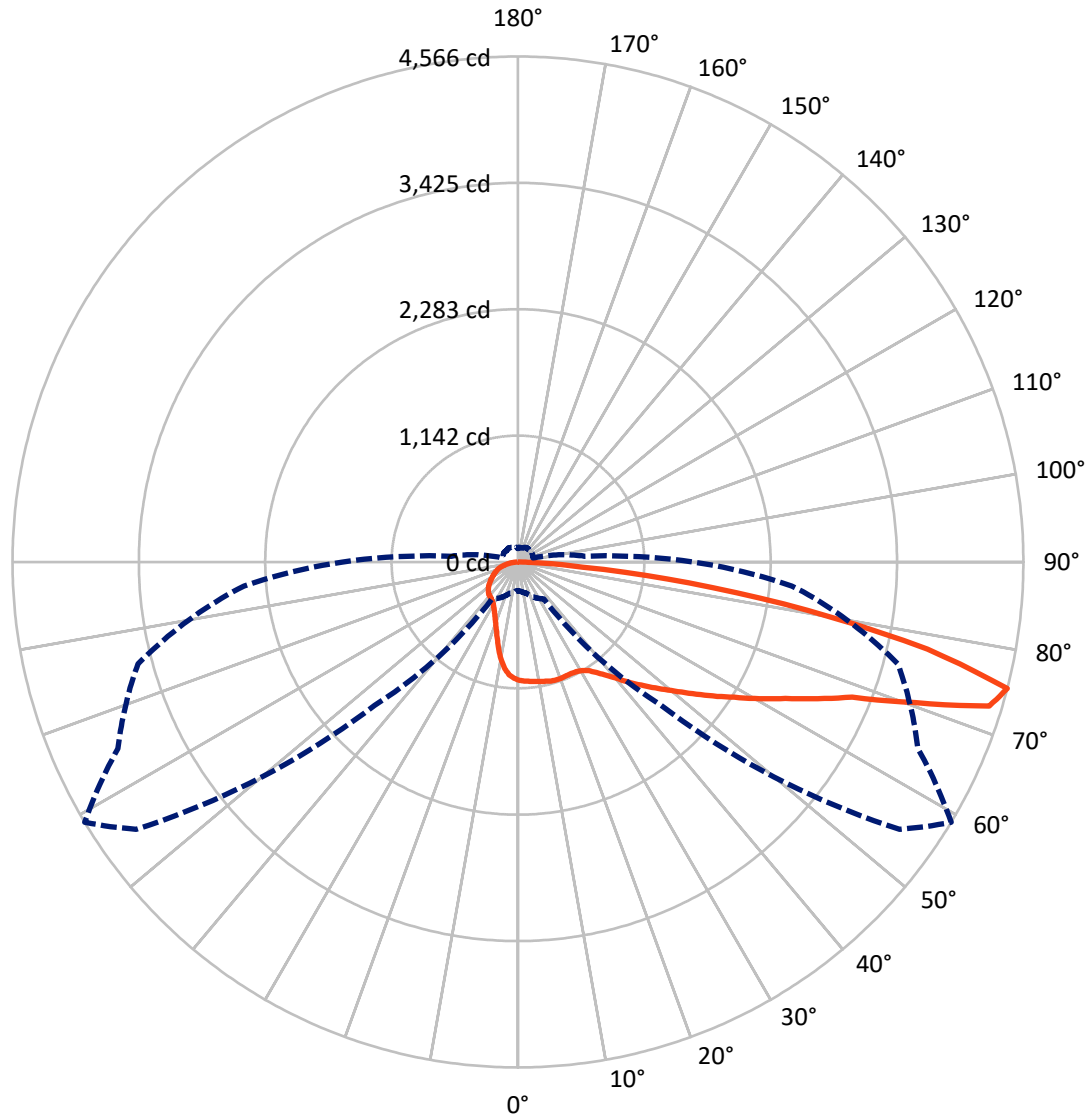
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1092.3	0.0	1092.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4731.7	0.0	4731.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	5824.0	0.0	5824.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	1.6
10°-20°	245.0	4.2
20°-30°	372.1	6.4
30°-40°	553.2	9.5
40°-50°	822.7	14.1
50°-60°	1116.7	19.2
60°-70°	1363.3	23.4
70°-80°	1069.9	18.4
80°-90°	185.3	3.2
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°	5824.0	100.0
0°-180°	5824.0	100.0

Coefficient of Utilization



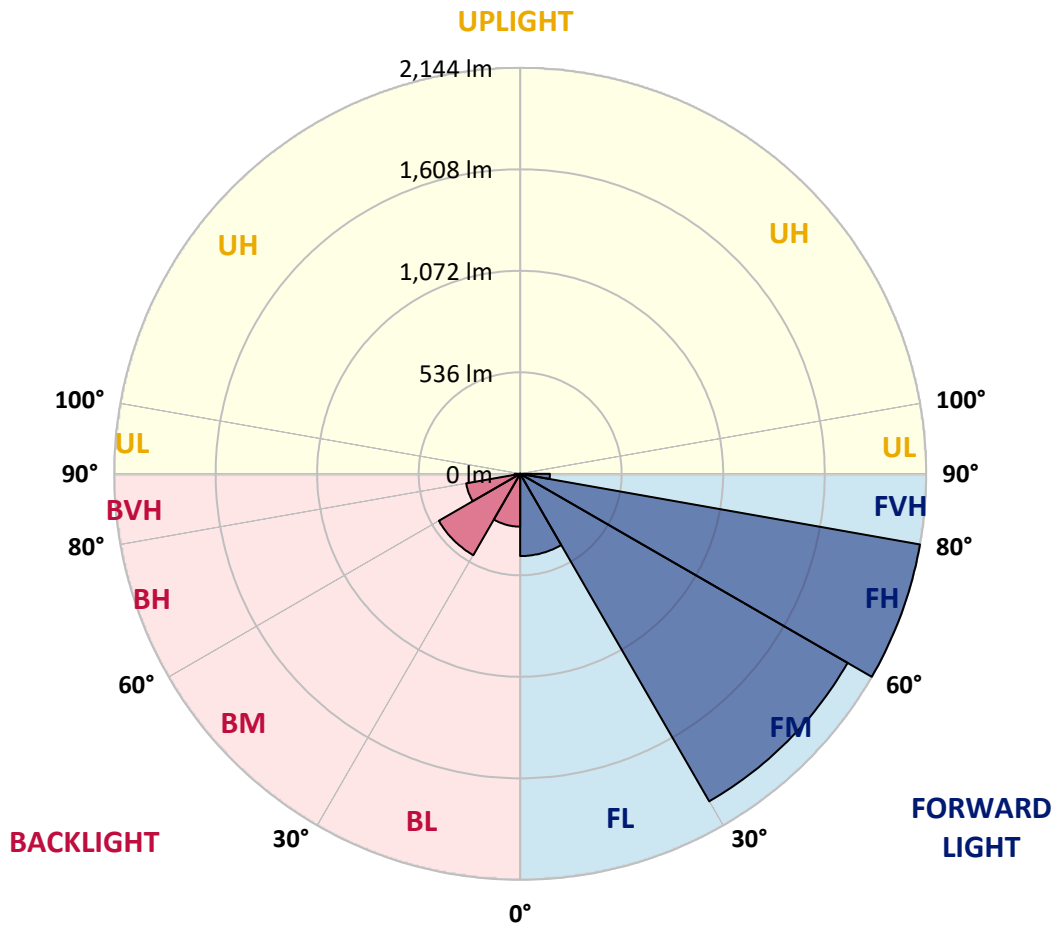
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	434.2	7.5			
FM (30°-60°)	1996.7	34.3			
FH (60°-80°)	2143.8	36.8			G2/5000
FVH (80°-90°)	157.0	2.7			G2/225
BL (0°-30°)	278.8	4.8	B1/500		
BM (30°-60°)	495.8	8.5	B1/1000		
BH (60°-80°)	289.4	5.0	B1/500		G1/500
BVH (80°-90°)	28.4	0.5			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0
2.5°	1078.1	1074.3	1078.1	1076.5	1075.9	1074.6	1074.9	1077.1	1075.9	1077.4
5°	1070.9	1068.7	1072.4	1071.5	1075.6	1076.2	1080.3	1082.8	1084.3	1084.6
7.5°	1059.0	1056.8	1062.1	1066.5	1075.2	1077.8	1086.2	1090.3	1092.5	1096.2
10°	1015.4	1014.5	1027.6	1044.2	1064.9	1077.8	1090.6	1097.5	1100.9	1111.0
12.5°	938.3	939.6	956.8	988.8	1030.1	1071.5	1095.6	1105.6	1111.0	1123.5
15°	864.7	864.4	883.2	917.3	975.3	1043.9	1098.1	1115.4	1124.4	1142.9
17.5°	822.1	820.8	834.0	860.0	913.9	1001.6	1091.9	1120.7	1140.1	1163.3
20°	814.3	811.8	818.7	831.5	869.7	955.3	1075.6	1120.7	1152.6	1182.7
22.5°	842.8	838.7	835.9	834.3	851.2	917.0	1057.1	1116.9	1171.1	1210.6
25°	900.1	893.8	879.4	865.3	860.3	899.8	1040.8	1116.0	1198.7	1248.2
27.5°	992.9	985.0	955.9	922.0	891.7	908.6	1033.6	1121.6	1229.1	1288.0
30°	1107.8	1099.4	1062.7	1010.7	956.2	941.2	1042.7	1138.2	1267.9	1340.9
32.5°	1210.9	1201.5	1170.2	1117.2	1043.6	997.5	1071.5	1169.9	1329.0	1414.6
35°	1302.4	1291.4	1263.2	1214.4	1150.8	1076.8	1123.5	1225.9	1415.8	1534.2
37.5°	1392.0	1379.1	1348.4	1296.8	1252.3	1182.4	1195.2	1298.0	1531.1	1679.6
40°	1492.3	1473.8	1436.5	1385.4	1342.2	1306.2	1289.5	1386.4	1648.3	1841.9
42.5°	1589.4	1571.8	1527.3	1483.8	1429.6	1419.3	1398.9	1489.7	1776.4	2020.2
45°	1694.0	1673.0	1619.1	1564.0	1529.8	1494.4	1504.8	1593.1	1902.0	2201.9
47.5°	1792.1	1768.6	1705.0	1643.6	1624.8	1557.7	1601.9	1706.9	2032.7	2386.1
50°	1845.0	1821.8	1768.9	1713.4	1698.7	1635.7	1707.2	1831.9	2169.6	2569.7
52.5°	1889.2	1864.1	1794.9	1764.2	1759.8	1720.6	1836.9	1974.7	2306.5	2732.0
55°	1936.2	1908.3	1820.0	1792.4	1812.4	1815.9	1990.7	2136.7	2451.3	2890.2
57.5°	1990.4	1955.0	1844.1	1816.2	1863.8	1927.4	2167.4	2304.6	2593.5	3036.8
60°	2041.5	2005.8	1890.5	1854.1	1919.3	2056.8	2370.1	2508.0	2754.5	3167.5
62.5°	2051.5	2022.0	1927.4	1927.1	1994.5	2207.8	2610.1	2713.2	2895.2	3296.6
65°	1877.9	1859.4	1803.4	1924.3	2102.2	2425.3	2877.4	2975.7	3074.1	3409.3
67.5°	1429.3	1431.8	1427.7	1661.1	2015.2	2737.6	3264.3	3256.8	3295.0	3535.9
70°	653.5	668.3	764.1	1146.7	1614.4	2773.7	3904.0	3806.6	3572.3	3699.8
72.5°	353.1	364.4	403.5	555.5	970.6	2466.0	4382.1	4451.4	3941.0	3810.1
75°	259.1	265.4	292.6	353.1	407.6	1832.8	4210.8	4566.0	3987.1	3552.8
77.5°	193.9	196.8	219.0	279.8	208.7	966.2	3364.5	3781.5	3413.1	2919.0
80°	140.7	143.8	160.4	209.9	146.3	353.4	2310.3	2654.3	2337.5	1860.7
82.5°	97.1	98.4	105.6	142.9	102.1	137.2	1310.9	1556.5	1304.9	652.9
85°	58.6	60.2	63.3	83.3	58.0	65.2	565.8	585.2	390.1	156.0
87.5°	24.1	25.7	28.2	35.1	22.9	18.2	93.4	117.2	73.0	45.7
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°
1069.0	0°	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0	1069.0
1072.1	2.5°	1070.5	1068.4	1062.4	1054.3	1046.7	1037.3	1033.3	1029.8	1026.7	1020.7
1080.6	5°	1077.1	1071.2	1055.2	1034.5	1011.0	985.3	960.3	943.0	928.3	917.3
1090.3	7.5°	1087.2	1075.9	1046.7	1004.4	950.6	895.4	845.6	810.2	783.6	773.9
1104.1	10°	1097.5	1084.0	1033.3	958.7	865.7	780.7	714.6	678.3	657.0	650.1
1120.4	12.5°	1109.7	1090.0	1012.3	895.1	770.7	677.7	620.0	598.7	587.8	584.0
1140.4	15°	1127.6	1095.0	980.6	815.5	680.2	602.5	565.2	550.5	544.8	544.5
1161.1	17.5°	1141.0	1095.9	931.4	730.3	610.6	557.0	526.3	520.7	524.5	530.1
1181.5	20°	1156.1	1087.5	866.9	652.6	561.7	517.3	504.4	508.2	517.3	525.4
1208.4	22.5°	1166.7	1072.1	788.9	592.1	519.5	494.4	493.8	501.6	506.6	510.7
1240.0	25°	1176.1	1046.1	706.2	541.4	484.7	480.6	487.5	485.0	481.5	485.0
1271.7	27.5°	1183.0	1005.1	632.2	496.9	460.2	471.2	467.1	461.5	461.2	463.1
1309.0	30°	1180.8	950.2	571.5	454.6	443.0	453.7	443.9	443.0	442.1	443.0
1365.1	32.5°	1180.8	887.9	524.8	425.5	432.0	428.0	427.0	424.8	421.1	420.8
1441.2	35°	1187.4	825.5	484.7	409.8	423.0	413.2	413.9	408.5	400.7	397.0
1542.1	37.5°	1200.9	775.4	444.9	402.3	407.0	406.7	404.2	395.1	381.3	369.4
1668.0	40°	1233.5	760.7	417.6	398.8	399.5	403.2	396.6	379.1	347.8	328.3
1795.8	42.5°	1284.5	785.4	411.7	390.4	394.4	398.2	385.4	344.6	322.4	310.8
1929.9	45°	1349.4	828.7	424.5	378.2	382.5	389.1	350.9	331.5	321.4	321.8
2062.8	47.5°	1431.5	874.1	448.3	367.5	365.3	369.1	328.0	316.1	302.3	305.8
2190.3	50°	1526.4	920.2	470.9	353.1	346.2	334.0	313.3	302.0	284.5	276.3
2313.4	52.5°	1629.2	964.7	480.0	335.5	325.5	311.4	303.3	289.5	268.2	254.7
2429.6	55°	1726.6	1005.1	470.0	314.6	304.8	293.9	292.6	284.2	261.3	242.5
2533.0	57.5°	1818.7	1038.9	444.9	293.2	283.9	277.3	285.7	281.7	252.8	228.7
2630.8	60°	1896.7	1062.1	408.5	271.6	265.1	261.6	274.5	273.2	240.9	214.0
2718.5	62.5°	1958.8	1071.2	368.4	251.0	249.4	243.1	258.8	258.8	225.9	199.6
2795.6	65°	2007.3	1062.4	327.7	230.6	233.7	224.3	239.7	237.8	209.9	186.7
2884.2	67.5°	2050.2	1033.6	282.6	210.5	217.7	205.8	219.6	215.2	192.4	173.9
2961.0	70°	2069.4	966.5	231.2	190.5	199.3	187.7	199.6	191.4	172.6	160.1
2876.7	72.5°	1915.8	803.3	182.0	169.5	177.0	167.6	178.0	168.6	151.3	145.7
2484.2	75°	1585.0	602.8	140.0	146.6	152.3	145.1	152.0	145.1	129.4	133.5
1835.0	77.5°	1151.1	407.0	107.1	122.5	125.0	121.2	127.2	119.4	105.3	104.3
914.5	80°	572.4	238.4	84.0	96.8	95.9	93.4	100.3	96.5	84.6	89.6
246.9	82.5°	165.7	102.1	61.1	68.0	66.1	66.7	71.7	73.6	110.3	109.3
76.8	85°	52.0	40.1	36.7	37.9	36.0	37.0	42.3	84.0	77.7	45.4
23.8	87.5°	13.5	13.8	9.1	9.7	10.0	11.9	13.5	51.1	24.4	16.0
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

180°
1069.0
1017.9
908.3
756.9
639.4
584.9
545.8
532.3
528.2
512.9
487.2
466.2
446.5
424.8
400.7
373.5
330.8
310.8
323.3
314.6
278.5
254.4
242.5
227.5
213.0
198.6
185.5
172.6
157.6
141.0
121.9
99.6
88.7
111.8
49.2
16.9
0.0

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