

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: P940394

Luminaire Tested: **GALN-SB3B-940-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940394
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-940-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 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: 8940 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

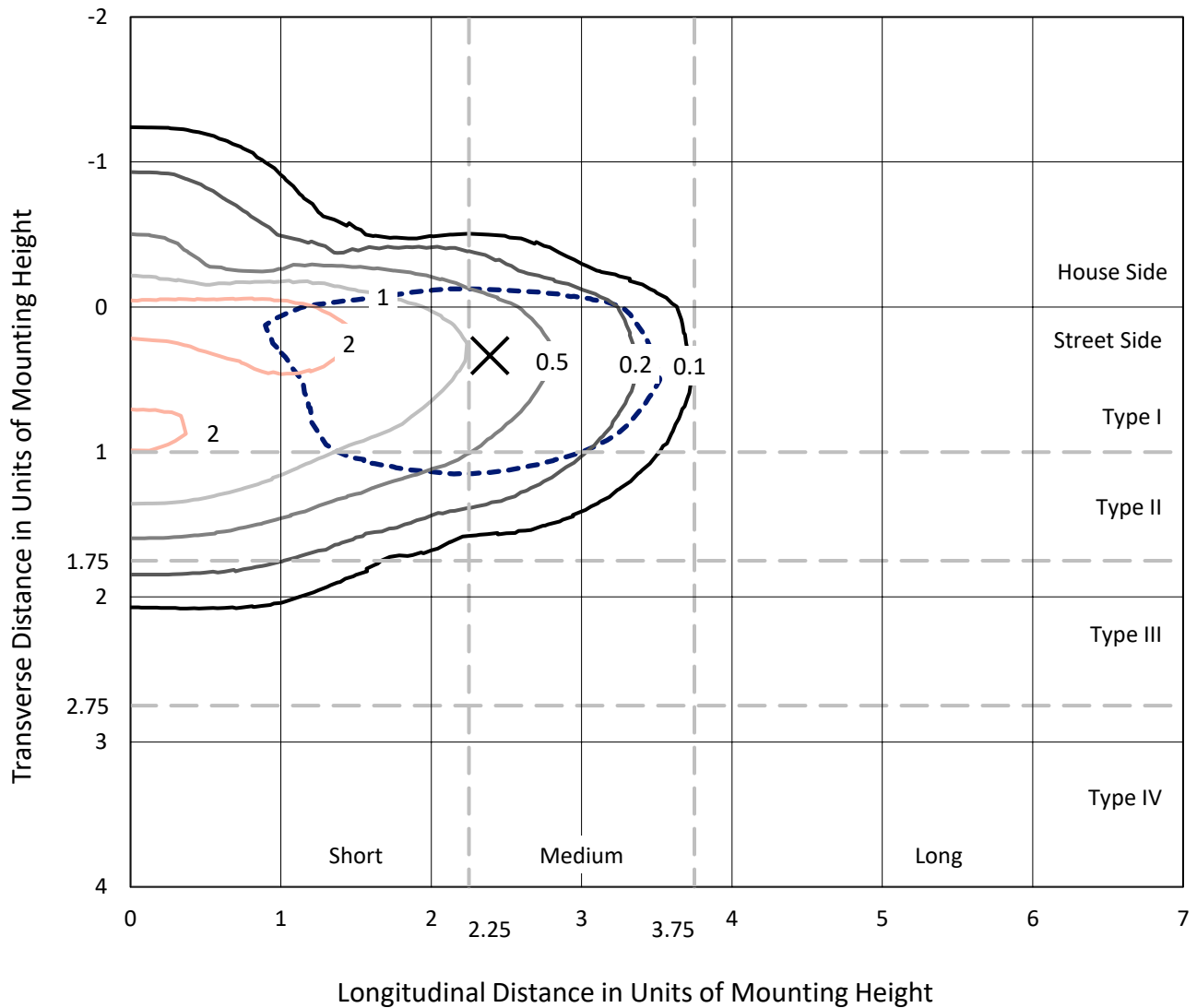
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

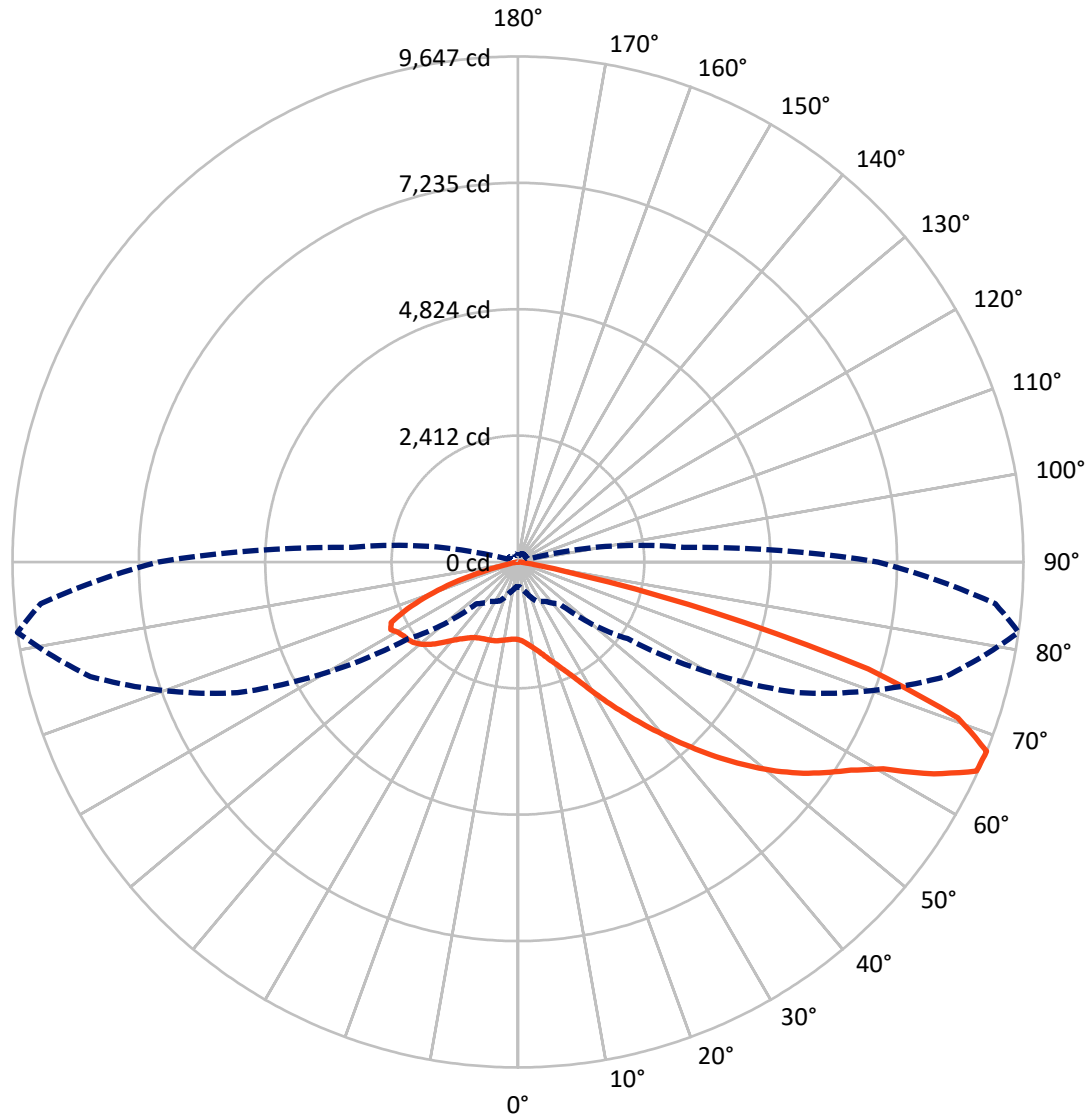
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	1619.4	0.0	1619.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	7320.6	0.0	7320.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	8940.0	0.0	8940.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	1.5
10°-20°	342.9	3.8
20°-30°	549.2	6.1
30°-40°	971.1	10.9
40°-50°	1701.5	19.0
50°-60°	2269.4	25.4
60°-70°	2112.7	23.6
70°-80°	810.8	9.1
80°-90°	50.4	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°	8940.0	100.0
0°-180°	8940.0	100.0

Coefficient of Utilization



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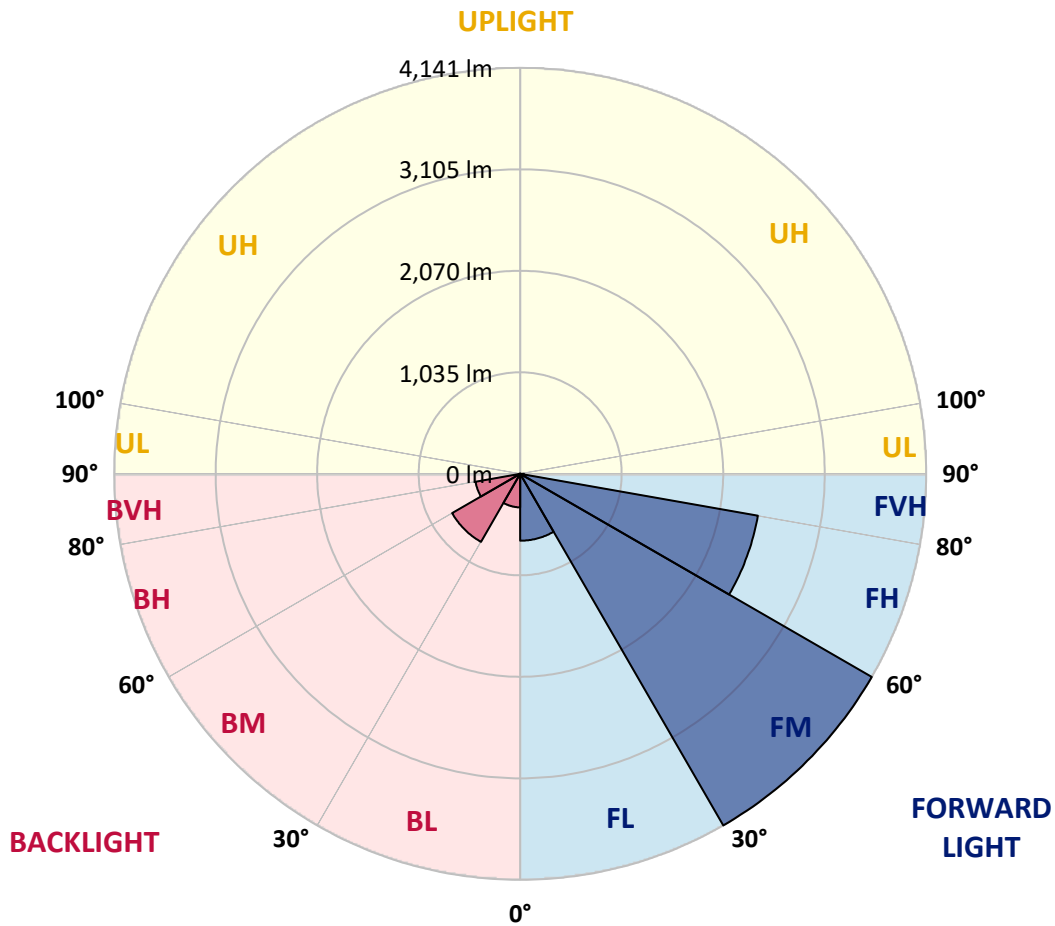
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	682.0	7.6			
FM (30°-60°)	4140.6	46.3			
FH (60°-80°)	2461.3	27.5			G2/5000
FVH (80°-90°)	36.6	0.4			G1/100
BL (0°-30°)	342.0	3.8	B1/500		
BM (30°-60°)	801.4	9.0	B1/1000		
BH (60°-80°)	462.2	5.2	B1/500		G1/500
BVH (80°-90°)	13.7	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°	1481.1	1481.1	1481.1	1481.1	1481.1	1481.1	1481.1	1481.1	1481.1	1481.1
2.5°	1565.4	1574.4	1569.2	1566.7	1562.2	1555.7	1550.6	1534.5	1517.7	1506.8
5°	1596.9	1605.9	1605.3	1607.9	1611.1	1613.0	1611.7	1593.7	1569.9	1551.2
7.5°	1569.9	1580.2	1588.5	1601.4	1623.9	1647.8	1659.3	1655.5	1631.0	1605.3
10°	1493.3	1504.2	1524.2	1554.4	1602.1	1653.6	1696.7	1716.6	1701.2	1672.9
12.5°	1353.0	1363.9	1403.2	1468.8	1548.6	1638.1	1720.5	1773.9	1777.8	1749.5
15°	1195.3	1206.2	1248.1	1330.4	1452.1	1595.6	1733.4	1834.4	1868.5	1844.1
17.5°	1097.4	1107.1	1138.6	1204.9	1331.7	1510.7	1728.9	1898.8	1976.7	1957.4
20°	1067.8	1076.2	1091.0	1137.3	1242.9	1422.5	1699.3	1959.3	2093.2	2082.2
22.5°	1099.4	1107.1	1111.6	1132.2	1198.5	1364.6	1661.9	2021.1	2228.3	2229.6
25°	1172.1	1179.8	1174.7	1187.5	1216.5	1346.5	1647.8	2093.8	2398.3	2412.4
27.5°	1291.8	1292.5	1280.2	1279.6	1284.1	1373.6	1662.6	2171.7	2612.6	2639.0
30°	1531.9	1522.2	1475.3	1424.4	1401.2	1454.7	1703.8	2263.7	2865.6	2912.5
32.5°	1902.0	1887.8	1801.6	1679.9	1557.7	1585.3	1777.8	2368.7	3141.0	3226.0
35°	2303.6	2299.8	2209.7	2028.8	1815.1	1771.3	1898.1	2506.4	3441.6	3576.8
37.5°	2677.0	2675.0	2623.5	2410.5	2150.5	2030.7	2091.2	2686.6	3763.5	3959.1
40°	3018.1	3023.9	2972.4	2781.9	2519.9	2363.5	2353.9	2909.3	4121.3	4375.6
42.5°	3312.9	3319.3	3267.2	3126.2	2884.9	2731.7	2676.3	3182.2	4470.8	4822.9
45°	3513.1	3553.0	3545.3	3432.6	3259.5	3100.5	3063.8	3524.7	4869.3	5297.3
47.5°	3569.7	3606.4	3664.3	3679.8	3574.2	3417.8	3461.6	3937.3	5272.2	5772.3
50°	3430.0	3464.2	3584.5	3744.8	3818.2	3769.9	3848.4	4379.4	5684.8	6246.1
52.5°	3154.6	3189.3	3341.2	3594.8	3894.1	4046.0	4236.6	4815.2	6084.5	6694.7
55°	2756.1	2792.8	2987.9	3274.9	3749.3	4160.0	4560.3	5250.3	6450.7	7098.3
57.5°	2214.2	2241.2	2444.0	2845.6	3385.0	4046.7	4799.1	5725.3	6795.7	7494.7
60°	1443.1	1466.9	1702.5	2150.5	2781.2	3668.2	4846.7	6255.1	7254.0	8010.3
62.5°	959.7	975.8	1115.5	1444.4	1958.6	2941.5	4568.0	6677.9	7926.0	8907.6
65°	658.5	674.6	814.2	1043.4	1265.4	1945.8	3766.7	6621.9	8534.9	9620.1
67.5°	469.9	483.4	601.8	818.1	915.9	1130.3	2553.4	5906.2	8447.4	9647.1
70°	336.6	344.4	442.2	637.2	728.0	679.1	1419.9	4517.2	7396.3	8908.2
72.5°	235.6	238.2	307.0	485.3	586.4	495.6	675.8	3011.7	5594.0	6992.0
75°	159.6	162.8	206.6	355.9	470.5	378.5	357.9	1614.9	3283.9	3870.3
77.5°	97.8	99.1	133.2	243.3	352.1	288.4	230.4	684.2	1270.6	1247.4
80°	55.4	55.4	85.0	151.3	240.1	186.0	161.6	290.9	402.3	353.4
82.5°	30.9	31.5	61.8	94.0	159.0	110.1	88.8	134.5	173.8	153.8
85°	12.9	14.2	38.0	44.4	76.0	54.7	36.0	56.6	64.4	57.3
87.5°	1.3	1.9	11.6	8.4	9.0	10.9	5.1	10.9	9.0	9.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1481.1	0°	1481.1	1481.1	1481.1	1481.1	1481.1	1481.1	1481.1	1481.1	1481.1	1481.1
1502.9	2.5°	1490.7	1481.1	1456.6	1428.3	1390.9	1372.9	1348.5	1331.7	1317.6	1318.9
1540.3	5°	1519.7	1495.2	1440.5	1372.3	1287.3	1226.8	1162.4	1118.0	1082.0	1074.3
1591.8	7.5°	1559.6	1521.0	1425.1	1302.1	1158.6	1049.8	952.6	890.2	845.8	831.6
1654.2	10°	1611.1	1555.1	1405.1	1213.9	1007.3	868.9	764.7	715.7	685.5	675.2
1727.6	12.5°	1670.9	1594.3	1378.7	1106.4	851.6	718.3	652.0	627.6	617.9	614.7
1817.7	15°	1746.2	1643.3	1338.8	979.0	719.6	626.3	598.0	594.7	596.0	594.7
1925.8	17.5°	1835.7	1696.7	1273.8	847.7	630.8	579.3	569.0	571.6	574.8	574.1
2046.8	20°	1933.5	1749.5	1190.8	731.2	570.3	545.8	540.0	542.6	545.2	543.9
2186.5	22.5°	2044.9	1806.1	1098.7	640.4	529.7	514.9	508.5	509.1	509.1	506.6
2363.5	25°	2178.1	1868.5	1002.2	576.1	498.8	487.2	479.5	477.0	473.1	465.4
2578.5	27.5°	2337.1	1934.8	909.5	531.0	474.4	463.4	454.4	448.0	438.3	425.5
2836.6	30°	2516.1	2015.3	831.0	502.7	455.1	444.1	433.8	424.2	410.0	393.9
3133.3	32.5°	2726.5	2101.5	773.7	484.0	437.7	426.1	413.9	402.3	386.8	370.7
3466.7	35°	2977.6	2205.8	740.2	471.2	424.2	408.7	395.2	382.3	370.7	356.6
3829.1	37.5°	3249.8	2316.5	729.9	464.7	415.2	391.3	375.9	366.9	365.6	357.2
4221.1	40°	3547.8	2447.8	737.6	460.9	405.5	374.6	357.9	355.9	359.2	344.4
4640.1	42.5°	3863.2	2603.6	750.5	456.4	392.0	357.9	341.8	341.8	339.2	318.6
5083.0	45°	4204.4	2783.2	763.4	445.4	375.9	341.1	328.9	324.4	313.5	293.5
5528.4	47.5°	4548.1	2966.0	773.0	425.5	356.6	327.0	316.0	305.7	289.6	271.6
5965.4	50°	4874.4	3130.1	762.7	395.8	334.7	313.5	301.9	287.7	270.3	258.1
6379.3	52.5°	5166.0	3272.4	719.0	361.1	311.5	299.3	289.0	274.2	260.0	247.2
6752.6	55°	5419.6	3387.6	641.7	328.3	290.9	287.1	276.8	258.1	238.8	227.9
7122.7	57.5°	5662.9	3475.1	545.2	301.2	272.3	273.6	258.1	241.4	223.3	211.8
7621.5	60°	5986.7	3592.3	447.3	276.1	252.3	256.2	239.4	227.2	204.7	189.9
8477.0	62.5°	6504.2	3774.4	355.3	245.2	229.1	230.4	223.3	208.5	181.5	164.1
9111.0	65°	6914.8	3707.5	280.0	211.8	202.8	204.7	204.7	188.6	159.6	139.7
9145.1	67.5°	6868.5	3174.5	223.3	178.9	177.6	178.9	183.4	169.9	141.6	125.5
8448.6	70°	6327.2	2525.1	178.9	148.7	154.5	151.3	164.1	155.1	127.4	111.4
6549.9	72.5°	5162.8	1819.0	136.5	122.9	118.4	123.6	148.0	139.7	106.2	88.2
3469.3	75°	3016.8	970.6	101.7	97.2	85.6	103.0	131.3	119.1	81.1	65.0
1063.3	77.5°	982.2	338.6	74.7	71.4	63.7	83.0	112.0	100.4	66.3	51.5
311.5	80°	263.3	102.3	50.8	47.0	41.2	61.8	88.8	79.8	47.6	33.5
133.9	82.5°	105.6	43.1	29.6	26.4	22.5	42.5	70.2	64.4	35.4	21.2
41.8	85°	34.1	14.2	10.9	8.4	10.3	26.4	41.8	43.8	25.1	10.9
6.4	87.5°	4.5	1.9	1.9	2.6	1.9	4.5	12.9	12.2	7.1	1.3
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>
1481.1
1306.0
1056.9
817.4
667.5
612.8
594.1
572.9
543.2
505.3
464.1
424.2
392.6
371.4
355.3
356.6
345.0
318.6
292.9
271.0
256.2
245.9
226.6
210.5
187.9
162.8
137.7
122.9
109.4
86.3
63.1
49.6
32.8
21.2
8.4
0.0
0.0

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