

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: P940396

Luminaire Tested: **GALN-SB3B-940-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940396
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-SB3B-940-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 450mA 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: 9602 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

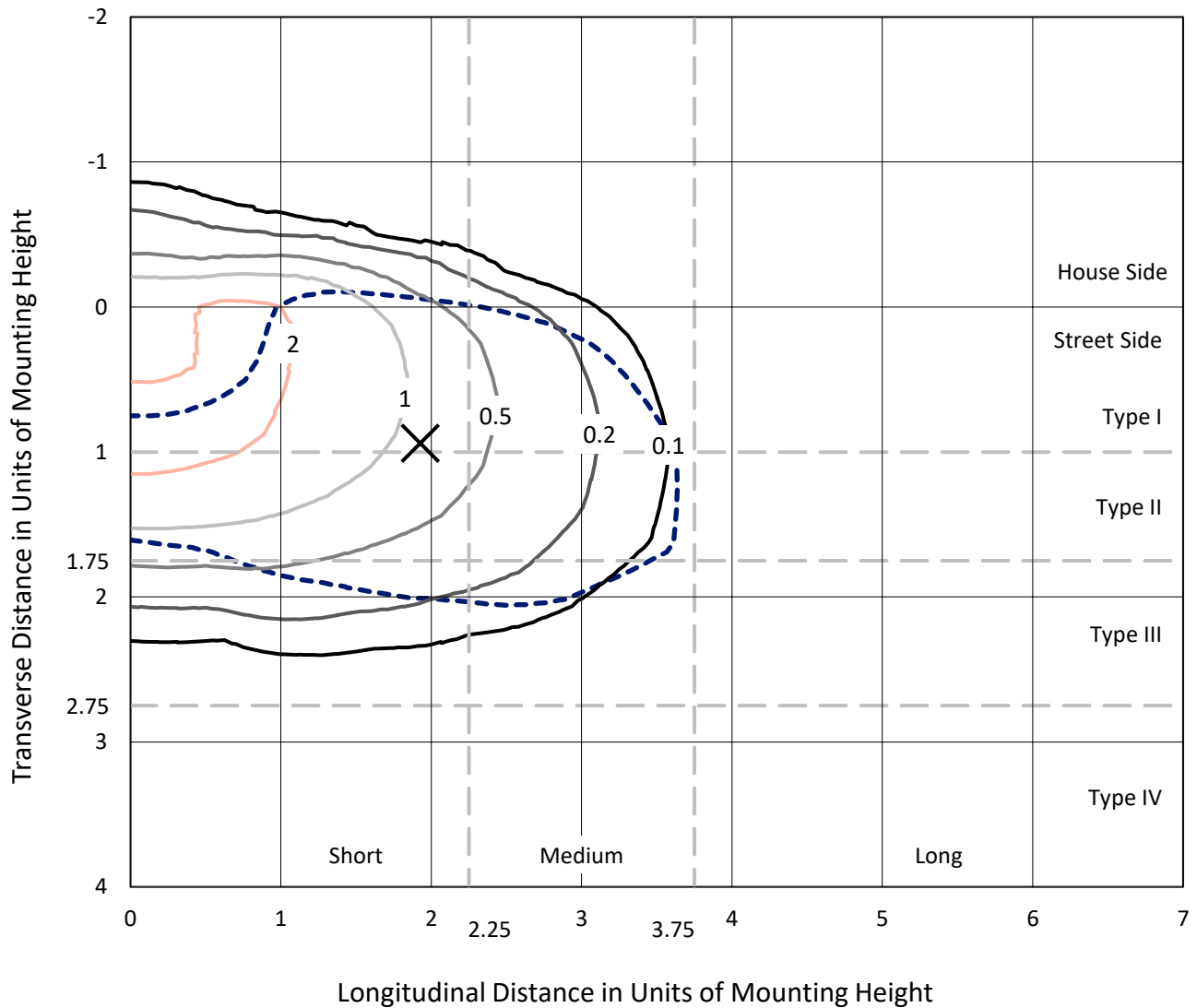
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

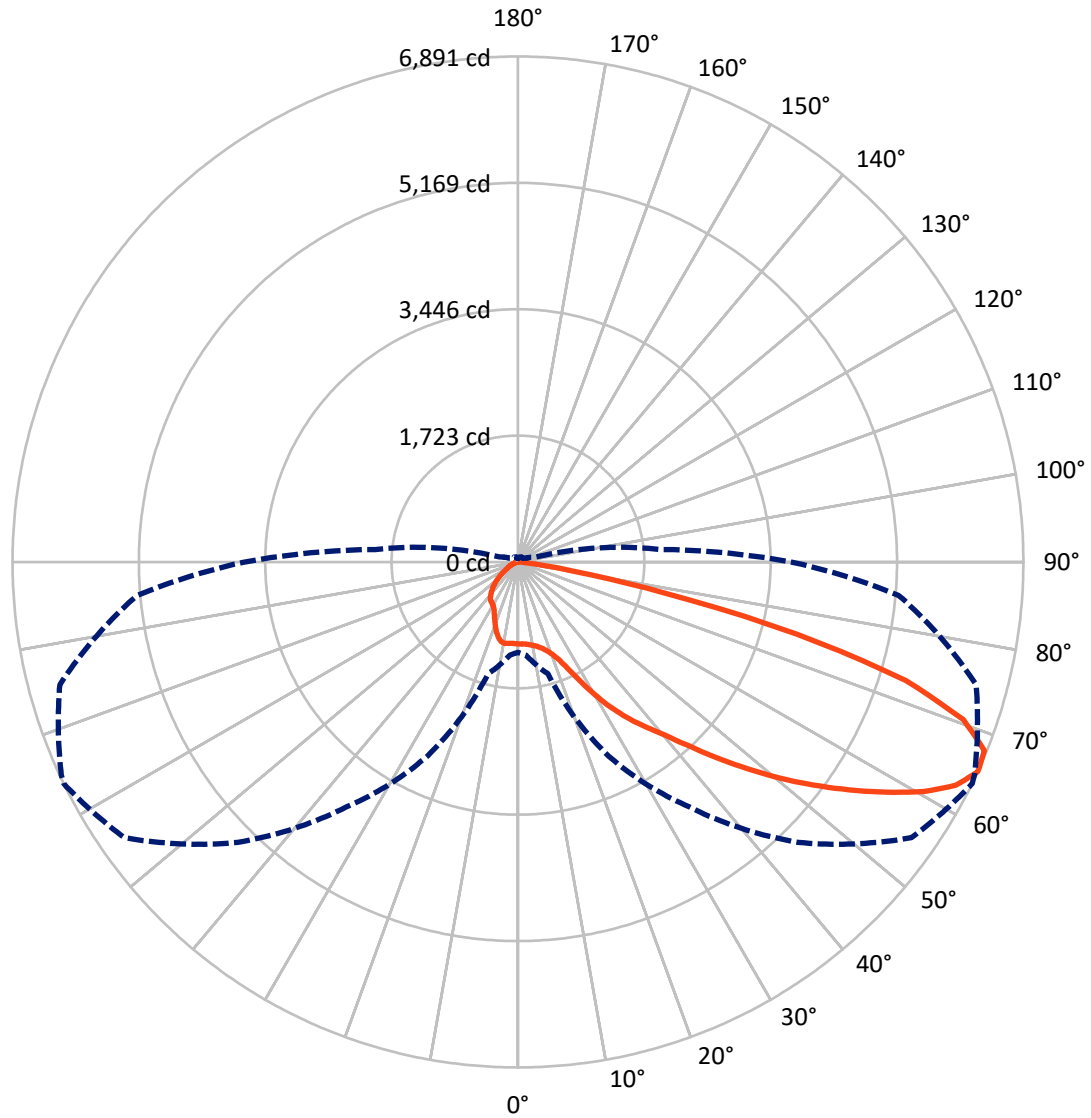
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

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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	1284.1	0.0	1284.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	8317.9	0.0	8317.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	9602.0	0.0	9602.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	1.1
10°-20°	279.5	2.9
20°-30°	529.6	5.5
30°-40°	1071.6	11.2
40°-50°	1825.5	19.0
50°-60°	2482.5	25.9
60°-70°	2331.2	24.3
70°-80°	934.0	9.7
80°-90°	45.2	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°	9602.0	100.0
0°-180°	9602.0	100.0

Coefficient of Utilization



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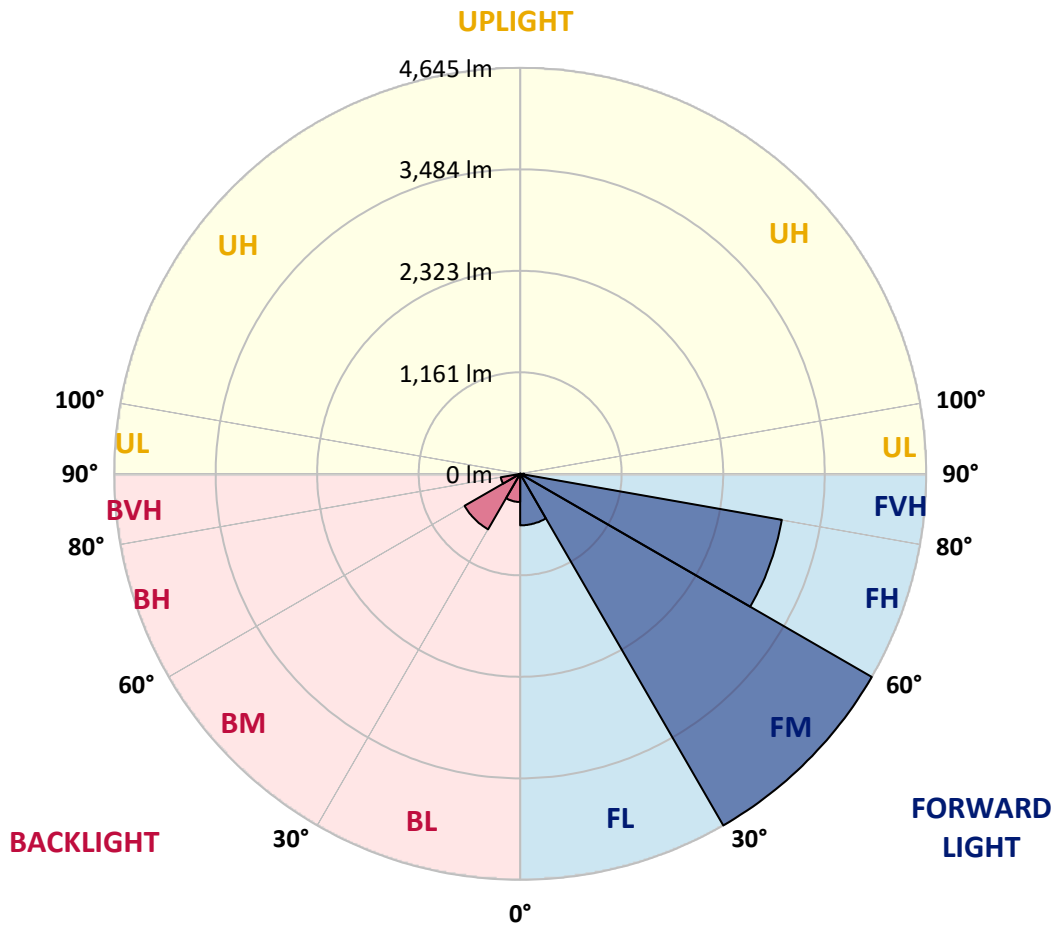
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	589.7	6.1			
FM (30°-60°)	4645.4	48.4			
FH (60°-80°)	3039.8	31.7			G2/5000
FVH (80°-90°)	43.0	0.4			G1/100
BL (0°-30°)	322.4	3.4	B1/500		
BM (30°-60°)	734.1	7.6	B1/1000		
BH (60°-80°)	225.4	2.3	B1/500		G1/500
BVH (80°-90°)	2.2	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°	1116.8	1116.8	1116.8	1116.8	1116.8	1116.8	1116.8	1116.8	1116.8	1116.8
2.5°	1113.0	1120.7	1118.7	1116.8	1116.2	1117.5	1118.1	1117.5	1117.5	1117.5
5°	1091.7	1098.1	1098.1	1102.7	1109.1	1116.8	1122.6	1123.9	1125.2	1127.1
7.5°	1051.2	1056.3	1060.2	1075.0	1091.1	1111.7	1129.0	1138.1	1139.3	1146.4
10°	1023.5	1029.9	1036.4	1051.8	1075.0	1105.9	1135.5	1157.4	1160.6	1177.3
12.5°	1022.2	1028.6	1037.0	1053.7	1080.8	1113.6	1149.6	1181.2	1187.0	1211.4
15°	1035.7	1043.4	1051.2	1071.8	1100.7	1140.6	1179.3	1218.5	1224.3	1259.1
17.5°	1063.4	1073.7	1079.5	1100.1	1131.0	1175.4	1226.2	1271.3	1276.4	1317.0
20°	1118.1	1130.3	1132.3	1149.0	1179.3	1226.9	1287.4	1343.4	1349.8	1396.2
22.5°	1231.4	1248.8	1233.3	1241.7	1268.7	1316.4	1382.0	1452.8	1461.8	1514.6
25°	1430.9	1455.4	1415.5	1401.3	1412.9	1462.5	1544.9	1634.3	1644.6	1687.1
27.5°	1822.9	1791.4	1730.9	1671.7	1636.9	1665.2	1757.9	1868.6	1881.5	1922.7
30°	2253.6	2225.9	2144.2	2012.8	1930.4	1925.9	2011.5	2135.1	2149.9	2189.2
32.5°	2684.9	2658.5	2569.6	2408.1	2265.2	2194.4	2253.6	2390.7	2398.4	2423.5
35°	3109.1	3082.0	2993.2	2827.8	2652.0	2491.1	2479.5	2634.0	2636.6	2663.0
37.5°	3535.8	3513.3	3418.7	3256.5	3083.3	2861.2	2753.7	2864.4	2867.7	2893.4
40°	3840.3	3849.9	3784.9	3659.4	3510.7	3268.0	3061.4	3109.7	3090.4	3133.5
42.5°	4101.6	4120.9	4064.3	4001.2	3915.0	3701.3	3442.5	3434.1	3403.2	3426.4
45°	4327.6	4343.7	4292.8	4278.0	4276.1	4126.1	3859.0	3808.7	3765.6	3761.1
47.5°	4410.6	4441.5	4463.4	4513.0	4609.5	4546.4	4289.6	4211.7	4163.4	4128.0
50°	4442.1	4475.0	4549.6	4693.8	4922.3	4949.4	4718.3	4630.7	4571.5	4507.2
52.5°	4399.7	4458.2	4558.7	4801.3	5132.8	5272.5	5129.6	5053.0	4985.4	4880.5
55°	4149.3	4207.8	4413.2	4800.0	5237.8	5499.1	5518.4	5484.3	5408.3	5242.9
57.5°	3621.4	3708.3	4033.4	4636.5	5235.8	5694.1	5899.5	5923.9	5839.0	5602.1
60°	2890.2	3008.0	3404.5	4274.1	5074.3	5799.7	6233.6	6355.9	6265.7	5956.1
62.5°	2016.7	2153.2	2528.4	3706.4	4704.8	5723.7	6477.5	6703.4	6635.2	6272.8
65°	1230.1	1273.9	1576.4	2916.6	4076.5	5405.8	6552.8	6891.4	6868.9	6466.6
67.5°	819.4	856.1	943.0	2000.0	3164.4	4770.4	6372.6	6858.6	6865.0	6435.0
70°	493.7	525.3	581.9	1163.2	2050.8	3775.9	5814.5	6440.2	6477.5	6013.4
72.5°	203.4	224.6	276.1	527.2	1062.1	2396.5	4630.1	5529.3	5616.2	5056.2
75°	115.2	126.2	162.2	264.6	460.9	1116.8	2804.6	3925.3	4053.4	3485.0
77.5°	76.6	81.7	104.9	171.2	259.4	381.1	1198.6	2045.0	2289.6	1903.4
80°	51.5	56.0	72.1	114.6	168.6	163.5	381.7	757.6	932.1	654.0
82.5°	34.8	35.4	51.5	75.3	106.9	79.2	112.6	235.6	296.1	189.2
85°	20.0	19.3	38.0	43.8	47.6	32.8	34.1	70.8	92.7	79.8
87.5°	2.6	3.9	14.8	11.6	6.4	7.1	7.1	12.2	18.0	19.3
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°
1116.8	0°	1116.8	1116.8	1116.8	1116.8	1116.8	1116.8	1116.8	1116.8	1116.8	1116.8
1118.1	2.5°	1118.1	1117.5	1115.5	1113.6	1109.1	1106.5	1107.8	1106.5	1105.9	1106.5
1126.5	5°	1126.5	1124.5	1119.4	1113.0	1103.9	1093.0	1085.9	1075.6	1066.0	1060.2
1149.0	7.5°	1149.0	1147.1	1140.0	1122.0	1093.0	1047.3	1005.5	968.8	941.1	925.0
1185.0	10°	1185.0	1181.8	1170.9	1131.0	1055.0	955.2	872.2	803.3	758.3	737.0
1227.5	12.5°	1227.5	1223.7	1204.4	1122.6	982.9	827.1	712.6	636.0	594.1	575.5
1276.4	15°	1277.7	1272.6	1234.6	1082.7	878.0	685.5	580.6	523.3	496.3	479.6
1338.9	17.5°	1340.2	1331.2	1257.1	1022.8	764.1	577.4	499.5	456.4	432.6	416.5
1420.6	20°	1421.3	1406.5	1275.2	951.4	659.1	509.2	444.8	408.7	390.7	376.6
1536.5	22.5°	1534.6	1513.3	1297.0	874.1	585.1	462.2	404.2	377.8	363.0	347.0
1698.1	25°	1674.9	1649.8	1324.1	802.7	534.3	421.6	374.6	352.7	335.4	316.7
1909.8	27.5°	1871.2	1826.2	1356.3	744.1	490.5	386.9	347.6	323.1	303.2	287.7
2149.9	30°	2090.1	2016.1	1384.6	708.7	450.6	354.7	312.2	287.7	269.1	258.1
2365.6	32.5°	2297.4	2196.9	1403.3	693.3	414.5	318.0	273.6	247.2	233.0	229.8
2576.7	35°	2493.0	2360.4	1401.3	678.5	382.4	281.3	235.6	208.6	197.6	199.5
2803.9	37.5°	2718.3	2534.9	1387.8	655.3	356.0	247.8	202.8	178.9	169.3	169.9
3080.1	40°	2980.3	2736.4	1379.4	611.5	327.0	216.9	175.7	156.4	149.3	146.8
3371.0	42.5°	3259.7	2931.4	1380.7	561.9	291.0	189.2	157.1	141.0	134.5	132.6
3694.8	45°	3540.3	3117.4	1382.7	510.5	253.0	168.0	143.5	130.0	126.2	123.6
4023.1	47.5°	3804.2	3275.8	1346.6	455.1	215.6	151.9	132.6	123.6	120.4	117.2
4352.7	50°	4050.1	3381.3	1259.7	390.7	186.0	139.0	124.2	117.8	114.6	111.4
4651.3	52.5°	4241.3	3398.1	1116.2	324.4	165.4	129.4	119.1	113.3	109.4	106.2
4892.7	55°	4326.3	3293.1	912.1	262.6	149.3	121.0	113.9	108.1	103.6	100.4
5082.6	57.5°	4304.4	3072.4	711.3	211.1	133.9	112.6	107.5	103.6	98.5	93.3
5236.5	60°	4196.9	2776.9	536.2	175.7	119.7	103.6	100.4	97.2	90.1	82.4
5295.7	62.5°	4010.9	2405.5	382.4	145.5	104.3	93.3	92.0	89.5	79.2	65.0
5208.1	65°	3726.4	1954.3	257.5	121.0	89.5	81.7	82.4	77.9	64.4	48.3
4887.6	67.5°	3310.5	1429.0	164.8	99.1	74.7	68.2	68.9	66.3	54.7	41.2
4279.9	70°	2780.8	946.2	107.5	75.3	59.9	52.8	56.6	57.3	46.3	33.5
3284.8	72.5°	2038.6	558.7	75.3	56.0	43.8	36.7	46.3	47.6	37.3	25.1
1976.1	75°	1161.9	265.2	56.6	40.6	27.0	25.7	36.0	36.0	25.7	16.7
855.5	77.5°	487.9	110.7	39.9	26.4	15.4	14.8	24.5	22.5	12.9	7.7
208.6	80°	141.0	49.6	21.2	12.9	6.4	5.8	9.7	7.1	3.2	1.3
79.2	82.5°	55.4	21.9	8.4	5.1	2.6	2.6	1.3	0.0	0.0	0.0
45.1	85°	32.8	9.0	3.9	1.9	0.6	0.0	0.0	0.0	0.0	0.0
9.7	87.5°	8.4	1.9	1.3	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>
1116.8
1109.1
1061.5
925.6
735.1
573.5
480.2
415.2
374.0
344.4
314.8
284.5
256.2
231.7
199.5
172.5
146.1
132.0
123.6
117.2
111.4
105.6
99.8
92.7
81.1
63.7
47.0
39.3
32.2
23.8
15.4
7.7
1.3
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