

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: P945893

Luminaire Tested: **GALN-SB1C-950-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-950-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4413 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

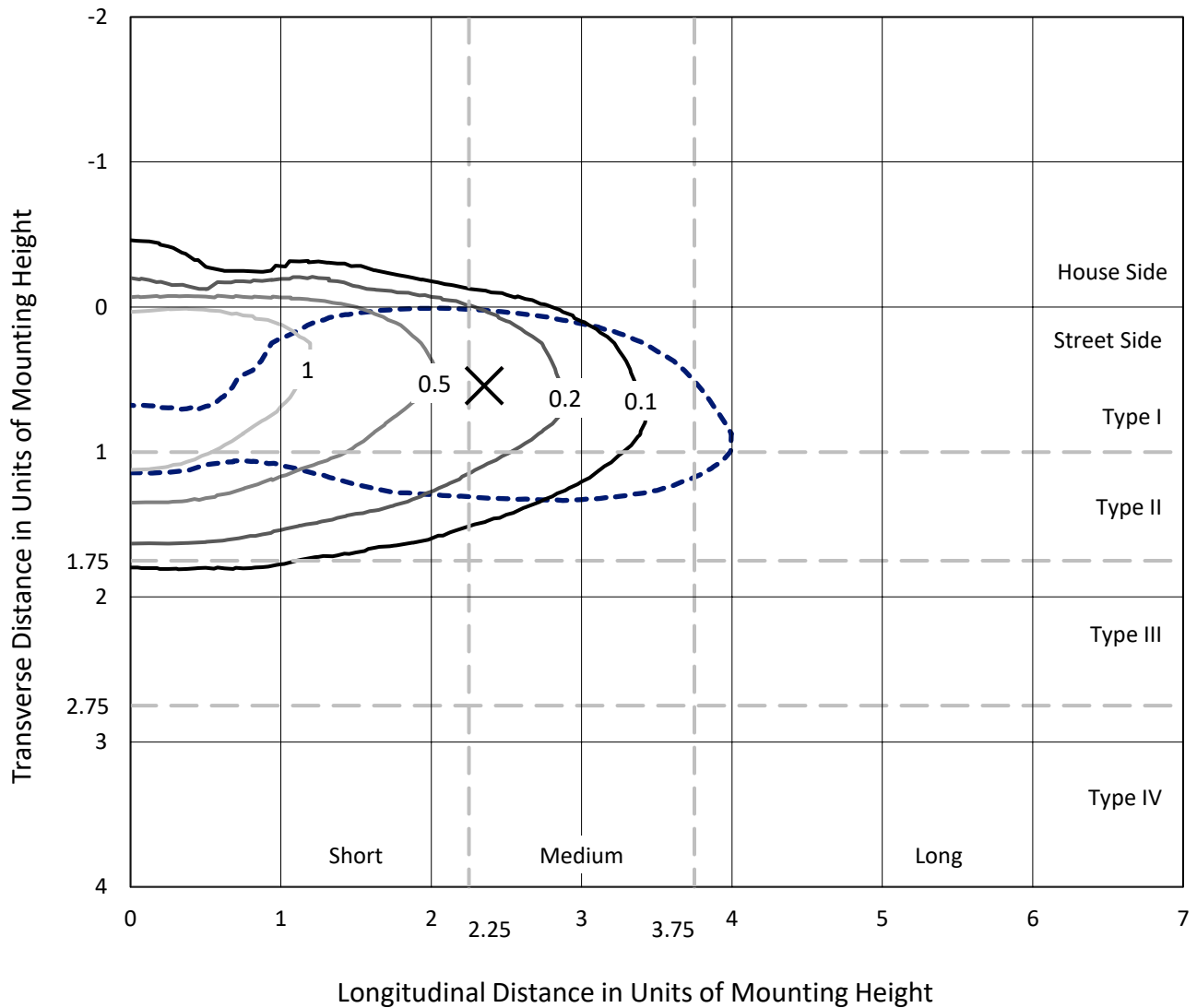
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

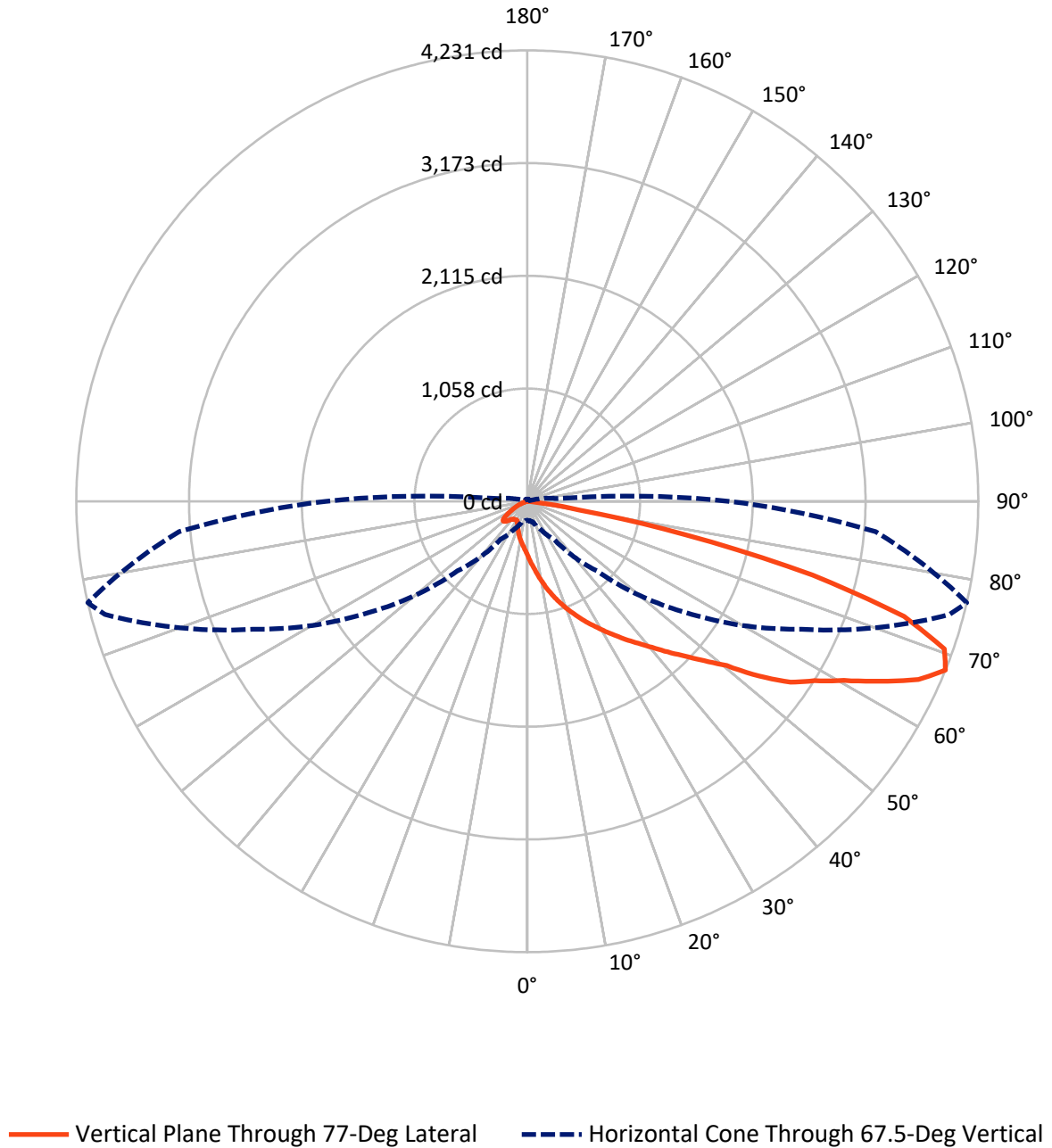
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	324.7	0.0	324.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	4088.3	0.0	4088.3
	% Fixture	92.6	0.0	92.6
Total	Lumens	4413.0	0.0	4413.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	1.2
10°-20°	181.9	4.1
20°-30°	351.0	8.0
30°-40°	609.3	13.8
40°-50°	884.7	20.0
50°-60°	1016.0	23.0
60°-70°	882.1	20.0
70°-80°	415.5	9.4
80°-90°	20.5	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°	4413.0	100.0
0°-180°	4413.0	100.0

Coefficient of Utilization



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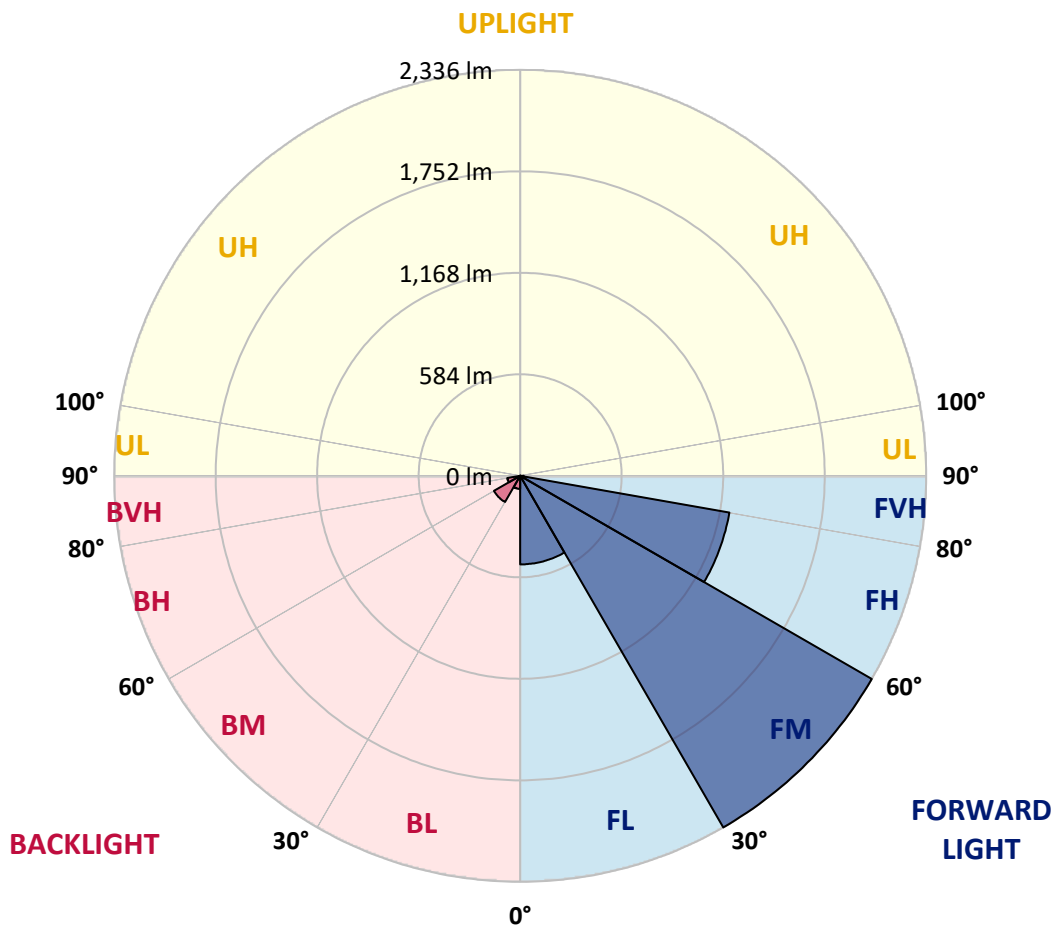
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.7	11.5			
FM (30°-60°)	2336.1	52.9			
FH (60°-80°)	1222.4	27.7			G1/1800
FVH (80°-90°)	20.2	0.5			G1/100
BL (0°-30°)	75.2	1.7	B0/110		
BM (30°-60°)	174.0	3.9	B0/220		
BH (60°-80°)	75.2	1.7	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9
2.5°	704.5	708.9	702.6	690.6	672.5	660.7	631.9	604.8	574.7	565.1
5°	858.8	862.7	855.5	842.4	818.3	795.3	757.4	700.7	641.8	622.9
7.5°	973.1	975.3	972.6	960.5	937.5	911.4	869.2	802.1	714.7	693.9
10°	1055.3	1062.4	1061.6	1057.0	1041.6	1020.5	975.6	899.1	796.3	769.5
12.5°	1109.8	1117.8	1122.4	1132.9	1132.0	1118.6	1079.2	998.3	877.7	846.2
15°	1125.7	1134.2	1152.0	1176.2	1197.5	1204.4	1176.7	1095.6	967.3	927.1
17.5°	1116.7	1129.8	1151.2	1189.3	1236.2	1267.1	1264.1	1189.6	1048.7	1002.7
20°	1136.7	1149.3	1166.0	1198.1	1252.6	1308.8	1331.3	1279.5	1129.6	1081.3
22.5°	1247.4	1245.2	1246.9	1252.1	1284.7	1340.3	1386.6	1361.1	1209.6	1160.3
25°	1422.8	1412.9	1396.2	1368.0	1359.8	1386.6	1434.8	1433.5	1294.0	1241.1
27.5°	1623.9	1622.3	1583.1	1515.1	1476.8	1466.4	1489.4	1503.9	1377.6	1321.1
30°	1816.6	1821.0	1768.1	1692.4	1622.0	1581.2	1560.4	1570.8	1462.5	1407.4
32.5°	1984.3	1988.9	1931.4	1842.9	1755.7	1706.4	1662.6	1636.8	1555.2	1495.1
35°	2126.0	2130.6	2064.6	1966.8	1873.9	1829.2	1779.6	1709.2	1648.3	1592.4
37.5°	2252.6	2251.2	2162.7	2064.0	1972.8	1937.4	1911.4	1798.2	1744.2	1690.3
40°	2327.4	2333.1	2257.5	2148.7	2060.2	2034.4	2032.8	1908.7	1854.9	1802.6
42.5°	2349.3	2359.4	2304.6	2215.3	2135.0	2107.1	2150.1	2028.1	1983.7	1932.8
45°	2309.8	2319.7	2294.8	2232.8	2186.0	2167.9	2250.9	2152.0	2121.3	2070.9
47.5°	2194.7	2207.1	2213.1	2200.0	2199.4	2217.8	2341.4	2282.4	2284.6	2233.1
50°	1972.0	1992.8	2048.1	2094.7	2166.8	2257.2	2429.3	2423.8	2468.8	2424.4
52.5°	1566.9	1596.5	1787.3	1914.7	2076.6	2249.8	2526.1	2650.7	2791.9	2726.9
55°	1259.2	1259.2	1414.3	1652.7	1900.7	2201.1	2568.3	2798.2	3011.9	2996.6
57.5°	1026.5	1038.9	1137.8	1348.5	1646.1	2084.9	2594.3	2890.8	3189.2	3178.0
60°	633.6	660.2	847.0	1055.0	1356.5	1878.0	2577.9	2984.5	3404.3	3413.4
62.5°	356.8	366.7	450.0	759.1	1054.8	1599.8	2452.1	3036.9	3679.5	3717.8
65°	246.4	251.3	283.4	472.4	731.1	1273.7	2206.3	3004.3	3955.2	4032.7
67.5°	178.9	181.4	201.4	288.6	433.8	923.5	1821.0	2839.8	4101.2	4230.8
70°	137.6	139.2	153.7	189.6	256.2	570.0	1322.5	2512.9	3995.4	4150.3
72.5°	111.8	113.5	124.7	140.3	169.9	337.1	801.6	2040.7	3528.5	3695.6
75°	94.3	96.5	106.6	116.7	133.2	216.5	376.0	1421.1	2653.5	2763.1
77.5°	52.3	48.2	86.6	96.7	112.4	137.0	175.9	836.4	1486.1	1516.5
80°	32.6	33.7	68.8	77.8	86.3	69.1	80.6	322.0	515.2	489.4
82.5°	1.9	4.4	52.9	56.2	59.2	29.6	30.4	109.3	124.1	114.0
85°	0.0	0.0	24.1	19.5	20.6	8.5	8.8	25.5	16.7	18.1
87.5°	0.0	0.0	0.0	0.5	0.0	0.8	1.6	2.2	0.8	1.1
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°
508.9	0°	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9	508.9
534.9	2.5°	515.7	496.6	457.6	419.5	388.6	359.8	339.3	319.8	309.9	309.4
569.4	5°	531.4	491.1	413.2	344.5	289.1	244.7	215.9	195.4	185.0	181.4
611.9	7.5°	553.3	492.7	374.3	278.7	213.5	175.4	158.9	152.4	150.2	147.7
659.9	10°	581.0	496.6	339.5	224.4	168.3	149.1	142.5	139.8	138.1	136.5
713.9	12.5°	611.9	500.1	305.0	186.3	148.0	138.1	133.5	130.2	128.0	126.1
769.2	15°	642.1	502.3	269.1	159.8	137.6	129.6	124.7	121.1	118.1	115.9
823.5	17.5°	671.9	505.3	235.4	143.9	129.1	121.1	116.2	111.8	109.3	106.9
880.5	20°	705.1	504.8	203.6	132.6	120.6	112.6	107.4	103.3	100.8	98.1
940.8	22.5°	735.8	502.0	175.7	123.0	111.8	104.1	98.4	94.3	91.8	89.6
1002.4	25°	771.1	499.8	152.4	114.3	103.6	95.9	89.6	85.8	83.0	81.1
1064.4	27.5°	805.1	496.6	135.4	106.3	95.6	88.2	82.2	77.8	75.4	74.0
1128.2	30°	838.5	495.7	129.1	98.7	88.5	81.1	75.1	71.0	69.1	68.5
1198.4	32.5°	878.8	497.9	131.8	95.9	81.9	74.5	68.8	65.8	63.9	63.9
1276.5	35°	921.9	497.4	135.9	98.4	77.6	68.0	63.6	61.7	59.7	59.7
1363.1	37.5°	975.8	498.2	139.2	102.5	75.9	62.5	60.0	57.5	56.5	56.5
1457.9	40°	1056.4	525.3	137.6	106.1	75.4	58.6	53.7	52.9	52.1	52.1
1565.0	42.5°	1155.1	584.2	139.8	106.3	75.1	55.9	49.3	51.0	49.1	48.8
1685.9	45°	1263.0	648.6	153.7	100.6	74.8	54.5	47.1	49.1	46.0	46.0
1825.9	47.5°	1370.2	712.5	168.0	92.3	74.0	54.3	45.2	44.1	43.3	43.6
2008.4	50°	1517.9	764.6	173.5	81.1	72.1	53.7	41.7	41.9	41.4	41.9
2265.7	52.5°	1678.7	775.5	166.9	68.5	66.6	52.1	39.2	40.3	40.0	40.6
2446.9	55°	1779.0	763.7	137.8	57.0	58.1	45.5	36.7	38.9	38.9	38.9
2623.9	57.5°	1882.6	713.6	97.8	46.3	48.2	37.3	34.5	37.5	37.3	37.0
2837.1	60°	1957.2	632.5	64.4	38.1	38.4	30.7	32.1	35.4	35.1	33.7
3056.9	62.5°	2012.8	542.9	41.4	32.3	29.3	27.7	29.3	32.1	31.0	28.0
3243.2	65°	2006.5	418.7	31.8	27.7	24.1	24.1	25.5	28.0	24.7	19.7
3278.8	67.5°	1889.5	283.4	26.3	23.3	20.3	20.0	21.1	23.3	21.1	16.7
3096.3	70°	1680.4	185.2	21.1	18.1	16.2	14.8	17.0	20.0	17.8	13.4
2635.9	72.5°	1363.9	112.9	15.9	13.2	11.8	9.6	13.4	16.4	14.2	9.9
1833.0	75°	882.4	57.5	11.0	8.5	6.3	5.8	9.9	12.3	9.9	6.0
813.3	77.5°	337.6	24.1	6.0	3.8	3.3	2.7	5.5	7.4	4.1	1.4
157.6	80°	64.9	10.1	3.0	1.9	1.6	1.1	0.8	0.5	0.0	0.0
28.0	82.5°	11.2	3.3	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
5.5	85°	3.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.9	87.5°	1.4	0.0	0.0	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>
508.9
308.8
180.9
147.2
135.9
125.5
115.6
106.6
97.8
89.3
80.8
74.0
68.2
63.9
59.7
56.5
52.1
48.5
46.0
43.6
41.9
40.6
38.9
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33.7
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