

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: P940404

Luminaire Tested: **GALN-SB3B-950-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940404
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-950-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 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: 8582 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

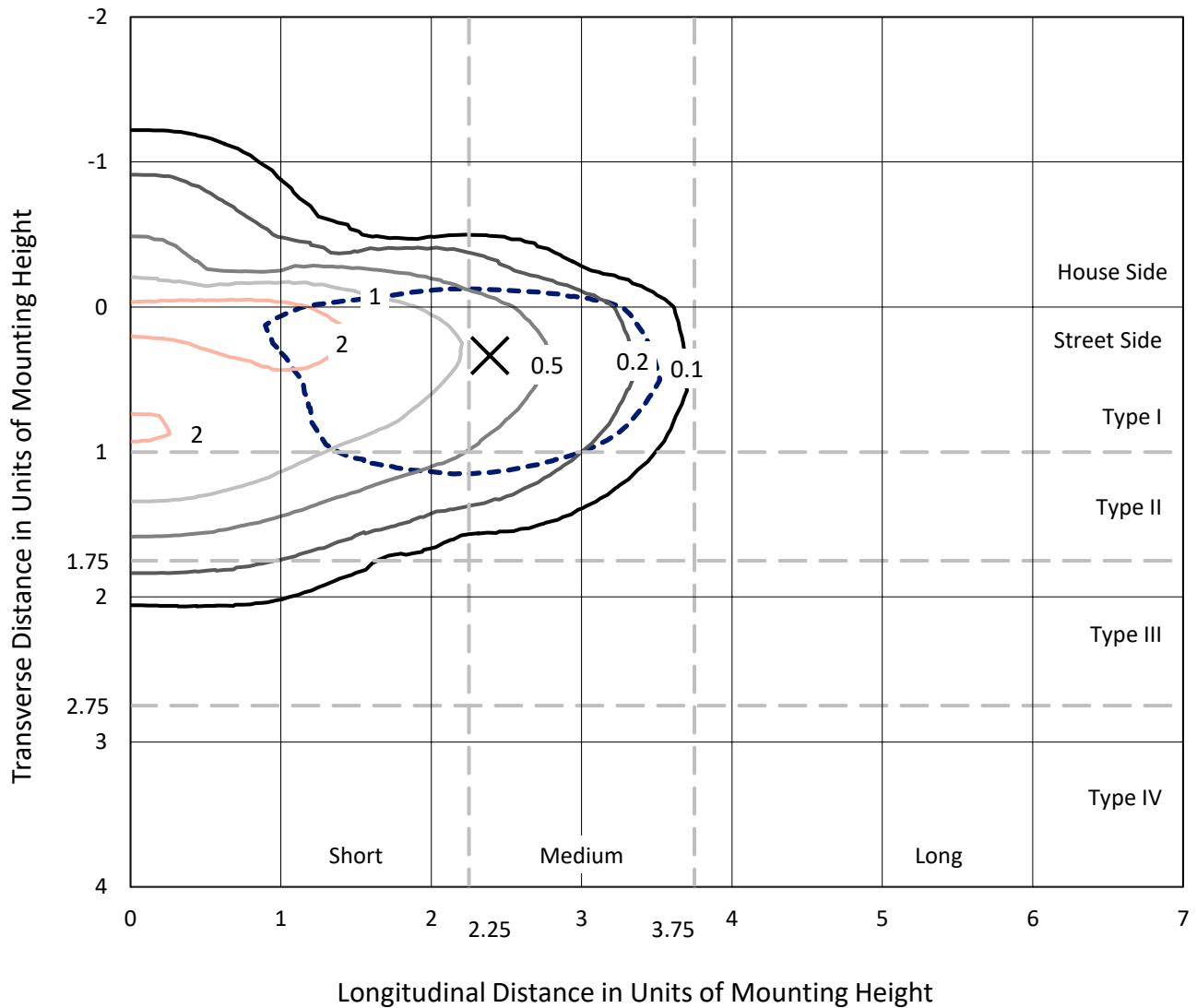
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

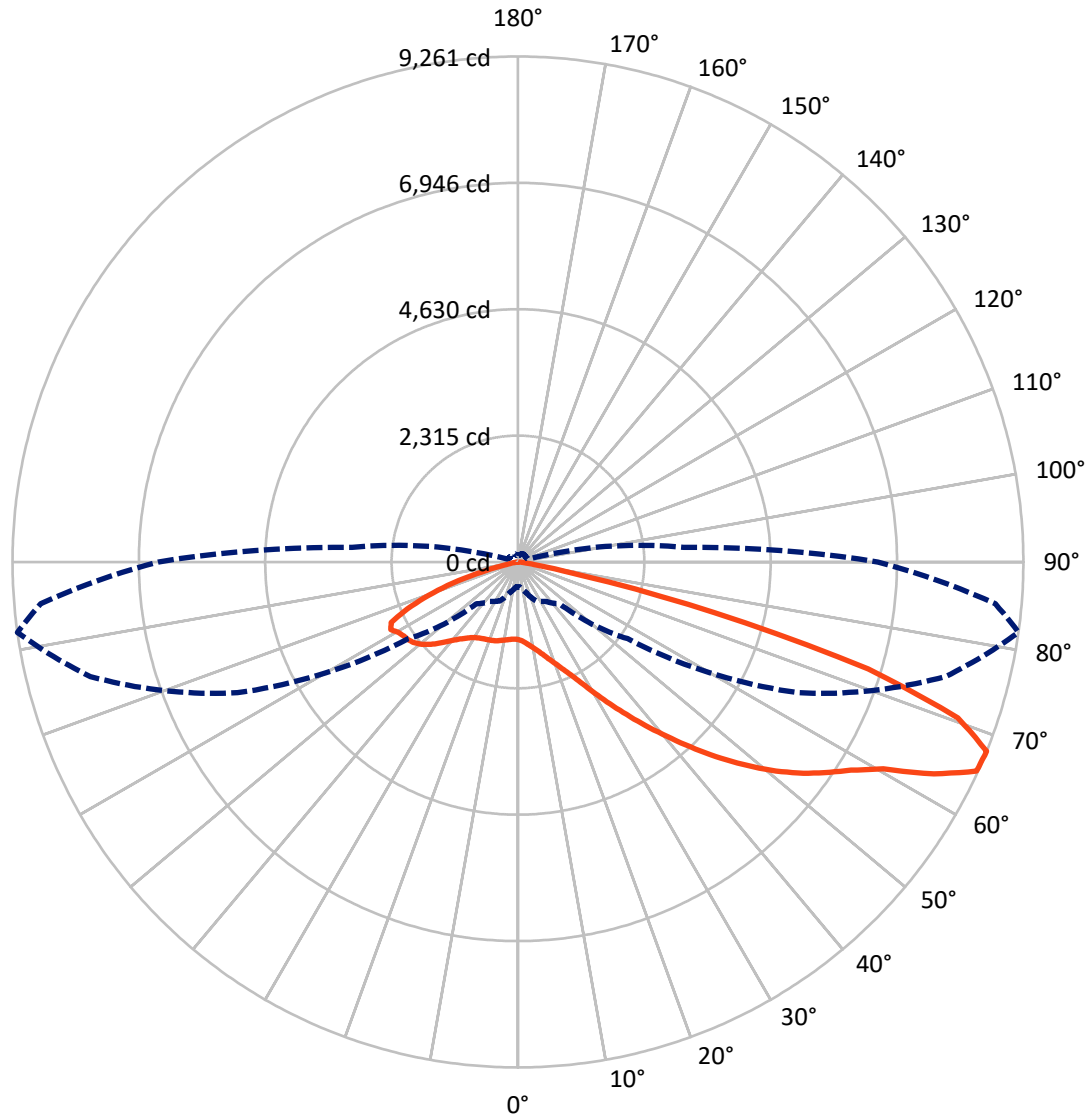
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	1554.6	0.0	1554.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	7027.4	0.0	7027.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	8582.0	0.0	8582.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	1.5
10°-20°	329.2	3.8
20°-30°	527.2	6.1
30°-40°	932.3	10.9
40°-50°	1633.4	19.0
50°-60°	2178.5	25.4
60°-70°	2028.1	23.6
70°-80°	778.4	9.1
80°-90°	48.3	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°	8582.0	100.0
0°-180°	8582.0	100.0

Coefficient of Utilization



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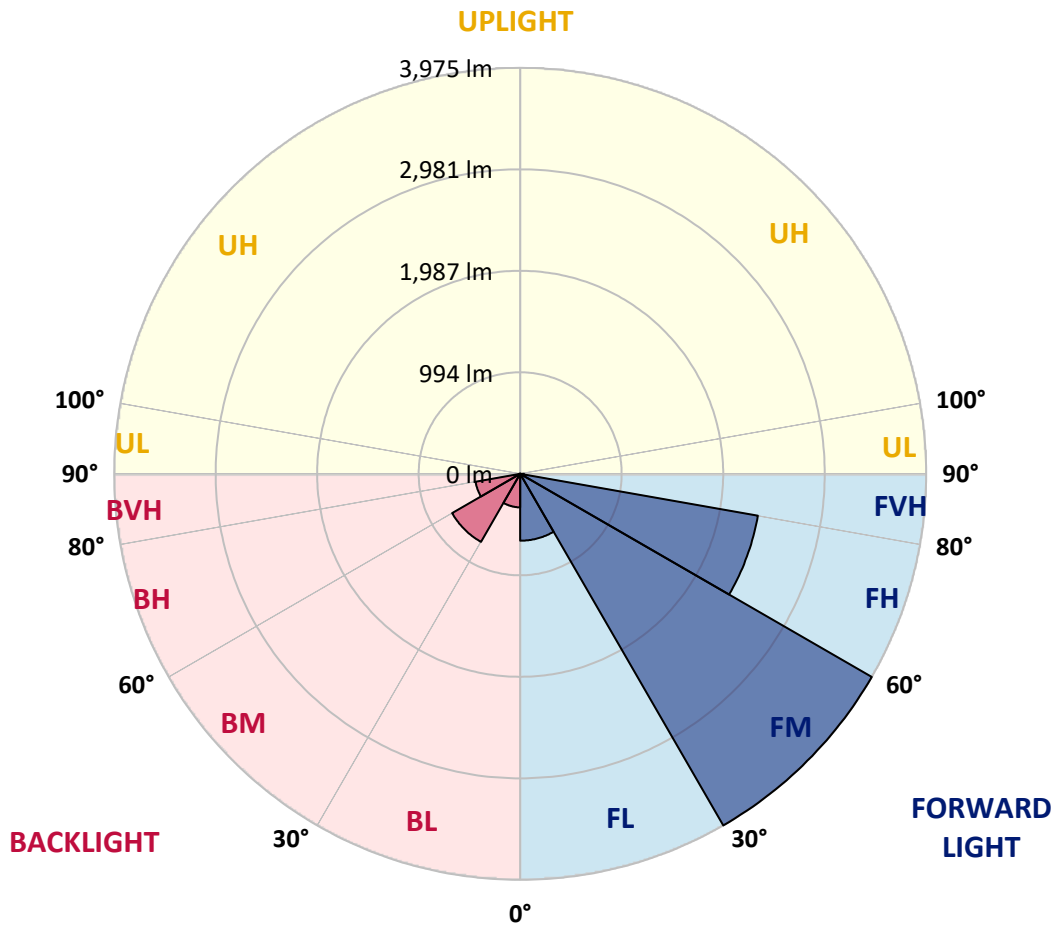
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	654.7	7.6			
FM (30°-60°)	3974.8	46.3			
FH (60°-80°)	2362.8	27.5			G2/5000
FVH (80°-90°)	35.2	0.4			G1/100
BL (0°-30°)	328.3	3.8	B1/500		
BM (30°-60°)	769.3	9.0	B1/1000		
BH (60°-80°)	443.7	5.2	B1/500		G1/500
BVH (80°-90°)	13.2	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°	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7
2.5°	1502.7	1511.3	1506.4	1503.9	1499.6	1493.4	1488.5	1473.0	1457.0	1446.5
5°	1533.0	1541.6	1541.0	1543.5	1546.6	1548.4	1547.2	1529.9	1507.0	1489.1
7.5°	1507.0	1516.9	1524.9	1537.3	1558.9	1581.8	1592.9	1589.2	1565.7	1541.0
10°	1433.5	1444.0	1463.1	1492.2	1537.9	1587.3	1628.7	1647.9	1633.1	1605.9
12.5°	1298.8	1309.3	1347.0	1410.0	1486.6	1572.5	1651.6	1702.9	1706.6	1679.4
15°	1147.4	1157.9	1198.1	1277.2	1393.9	1531.7	1664.0	1761.0	1793.7	1770.2
17.5°	1053.5	1062.8	1093.0	1156.7	1278.4	1450.2	1659.6	1822.8	1897.5	1879.0
20°	1025.1	1033.1	1047.3	1091.8	1193.1	1365.5	1631.2	1880.8	2009.4	1998.8
22.5°	1055.3	1062.8	1067.1	1086.9	1150.5	1309.9	1595.4	1940.2	2139.1	2140.3
25°	1125.2	1132.6	1127.6	1140.0	1167.8	1292.6	1581.8	2010.0	2302.2	2315.8
27.5°	1240.1	1240.7	1229.0	1228.3	1232.7	1318.6	1596.0	2084.7	2508.0	2533.3
30°	1470.6	1461.3	1416.2	1367.4	1345.1	1396.4	1635.5	2173.1	2750.8	2795.9
32.5°	1825.8	1812.2	1729.5	1612.7	1495.3	1521.8	1706.6	2273.8	3015.3	3096.8
35°	2211.4	2207.7	2121.2	1947.6	1742.4	1700.4	1822.1	2406.0	3303.8	3433.6
37.5°	2569.8	2567.9	2518.5	2314.0	2064.3	1949.4	2007.5	2579.0	3612.8	3800.6
40°	2897.2	2902.8	2853.4	2670.5	2419.0	2268.9	2259.6	2792.8	3956.3	4200.4
42.5°	3180.2	3186.4	3136.4	3001.1	2769.3	2622.3	2569.2	3054.8	4291.8	4629.8
45°	3372.4	3410.7	3403.3	3295.2	3129.0	2976.3	2941.1	3383.5	4674.3	5085.2
47.5°	3426.8	3462.0	3517.6	3532.4	3431.1	3281.0	3323.0	3779.6	5061.1	5541.2
50°	3292.7	3325.4	3441.0	3594.8	3665.3	3618.9	3694.3	4204.1	5457.1	5995.9
52.5°	3028.2	3061.6	3207.4	3450.9	3738.2	3884.0	4066.9	4622.4	5840.8	6426.6
55°	2645.8	2681.0	2868.2	3143.8	3599.2	3993.4	4377.7	5040.1	6192.4	6814.0
57.5°	2125.5	2151.5	2346.1	2731.7	3249.4	3884.6	4606.9	5496.1	6523.6	7194.6
60°	1385.3	1408.2	1634.3	2064.3	2669.9	3521.3	4652.7	6004.6	6963.5	7689.5
62.5°	921.3	936.7	1070.8	1386.5	1880.2	2823.7	4385.1	6410.5	7608.6	8550.9
65°	632.1	647.5	781.6	1001.6	1214.8	1867.9	3615.8	6356.8	8193.1	9234.9
67.5°	451.1	464.0	577.7	785.3	879.2	1085.0	2451.1	5669.7	8109.1	9260.8
70°	323.2	330.6	424.5	611.7	698.8	651.9	1363.0	4336.3	7100.1	8551.5
72.5°	226.1	228.6	294.7	465.9	562.9	475.8	648.8	2891.1	5370.0	6712.1
75°	153.2	156.3	198.3	341.7	451.7	363.3	343.5	1550.3	3152.4	3715.3
77.5°	93.9	95.2	127.9	233.6	338.0	276.8	221.2	656.8	1219.7	1197.5
80°	53.1	53.1	81.6	145.2	230.5	178.6	155.1	279.3	386.2	339.2
82.5°	29.7	30.3	59.3	90.2	152.6	105.7	85.3	129.1	166.8	147.7
85°	12.4	13.6	36.5	42.6	72.9	52.5	34.6	54.4	61.8	55.0
87.5°	1.2	1.9	11.1	8.0	8.7	10.5	4.9	10.5	8.7	8.7
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°
1421.7	0°	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7
1442.8	2.5°	1431.0	1421.7	1398.3	1371.1	1335.2	1317.9	1294.5	1278.4	1264.8	1266.0
1478.6	5°	1458.8	1435.3	1382.8	1317.3	1235.8	1177.7	1115.9	1073.3	1038.7	1031.2
1528.0	7.5°	1497.1	1460.1	1368.0	1250.0	1112.2	1007.8	914.5	854.5	811.9	798.3
1588.0	10°	1546.6	1492.8	1348.8	1165.3	967.0	834.1	734.0	687.1	658.0	648.2
1658.4	12.5°	1604.0	1530.5	1323.5	1062.1	817.5	689.6	625.9	602.4	593.2	590.1
1744.9	15°	1676.3	1577.5	1285.2	939.8	690.8	601.2	574.0	570.9	572.2	570.9
1848.7	17.5°	1762.2	1628.7	1222.8	813.8	605.5	556.1	546.2	548.7	551.8	551.2
1964.9	20°	1856.1	1679.4	1143.1	701.9	547.4	524.0	518.4	520.9	523.3	522.1
2098.9	22.5°	1963.0	1733.8	1054.7	614.8	508.5	494.3	488.1	488.7	488.7	486.3
2268.9	25°	2090.9	1793.7	962.0	553.0	478.9	467.7	460.3	457.9	454.1	446.7
2475.2	27.5°	2243.5	1857.4	873.1	509.8	455.4	444.9	436.2	430.0	420.8	408.4
2723.0	30°	2415.3	1934.6	797.7	482.6	436.8	426.3	416.5	407.2	393.6	378.1
3007.9	32.5°	2617.3	2017.4	742.7	464.6	420.2	409.0	397.3	386.2	371.3	355.9
3327.9	35°	2858.3	2117.5	710.6	452.3	407.2	392.4	379.4	367.0	355.9	342.3
3675.8	37.5°	3119.7	2223.8	700.7	446.1	398.5	375.7	360.8	352.2	351.0	342.9
4052.1	40°	3405.8	2349.8	708.1	442.4	389.3	359.6	343.5	341.7	344.8	330.6
4454.3	42.5°	3708.5	2499.3	720.5	438.1	376.3	343.5	328.1	328.1	325.6	305.9
4879.4	45°	4036.0	2671.7	732.8	427.6	360.8	327.5	315.7	311.4	300.9	281.8
5307.0	47.5°	4366.0	2847.2	742.1	408.4	342.3	313.9	303.4	293.5	278.0	260.7
5726.5	50°	4679.2	3004.8	732.2	380.0	321.3	300.9	289.8	276.2	259.5	247.8
6123.8	52.5°	4959.1	3141.3	690.2	346.6	299.1	287.3	277.4	263.2	249.6	237.3
6482.2	55°	5202.6	3251.9	616.0	315.1	279.3	275.6	265.7	247.8	229.2	218.7
6837.5	57.5°	5436.1	3335.9	523.3	289.2	261.4	262.6	247.8	231.7	214.4	203.3
7316.3	60°	5746.9	3448.4	429.4	265.1	242.2	245.9	229.9	218.1	196.5	182.3
8137.5	62.5°	6243.7	3623.3	341.1	235.4	220.0	221.2	214.4	200.2	174.2	157.6
8746.1	65°	6637.9	3559.0	268.8	203.3	194.6	196.5	196.5	181.0	153.2	134.1
8778.9	67.5°	6593.4	3047.4	214.4	171.8	170.5	171.8	176.1	163.1	135.9	120.5
8110.3	70°	6073.8	2424.0	171.8	142.7	148.3	145.2	157.6	148.9	122.3	106.9
6287.6	72.5°	4956.0	1746.1	131.0	118.0	113.7	118.6	142.1	134.1	102.0	84.6
3330.4	75°	2896.0	931.8	97.6	93.3	82.2	98.9	126.0	114.3	77.9	62.4
1020.7	77.5°	942.9	325.0	71.7	68.6	61.2	79.7	107.5	96.4	63.6	49.4
299.1	80°	252.7	98.2	48.8	45.1	39.5	59.3	85.3	76.6	45.7	32.1
128.5	82.5°	101.3	41.4	28.4	25.3	21.6	40.8	67.3	61.8	34.0	20.4
40.2	85°	32.7	13.6	10.5	8.0	9.9	25.3	40.2	42.0	24.1	10.5
6.2	87.5°	4.3	1.9	1.9	2.5	1.9	4.3	12.4	11.7	6.8	1.2
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>
1421.7
1253.7
1014.6
784.7
640.7
588.2
570.3
549.9
521.5
485.0
445.5
407.2
376.9
356.5
341.1
342.3
331.2
305.9
281.1
260.1
245.9
236.0
217.5
202.0
180.4
156.3
132.2
<i>118.0</i>
105.0
82.8
60.6
47.6
31.5
20.4
8.0
0.0
0.0

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