

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: P939096

Luminaire Tested: **GALN-SB1C-740-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939096
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-SB1C-740-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6216 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

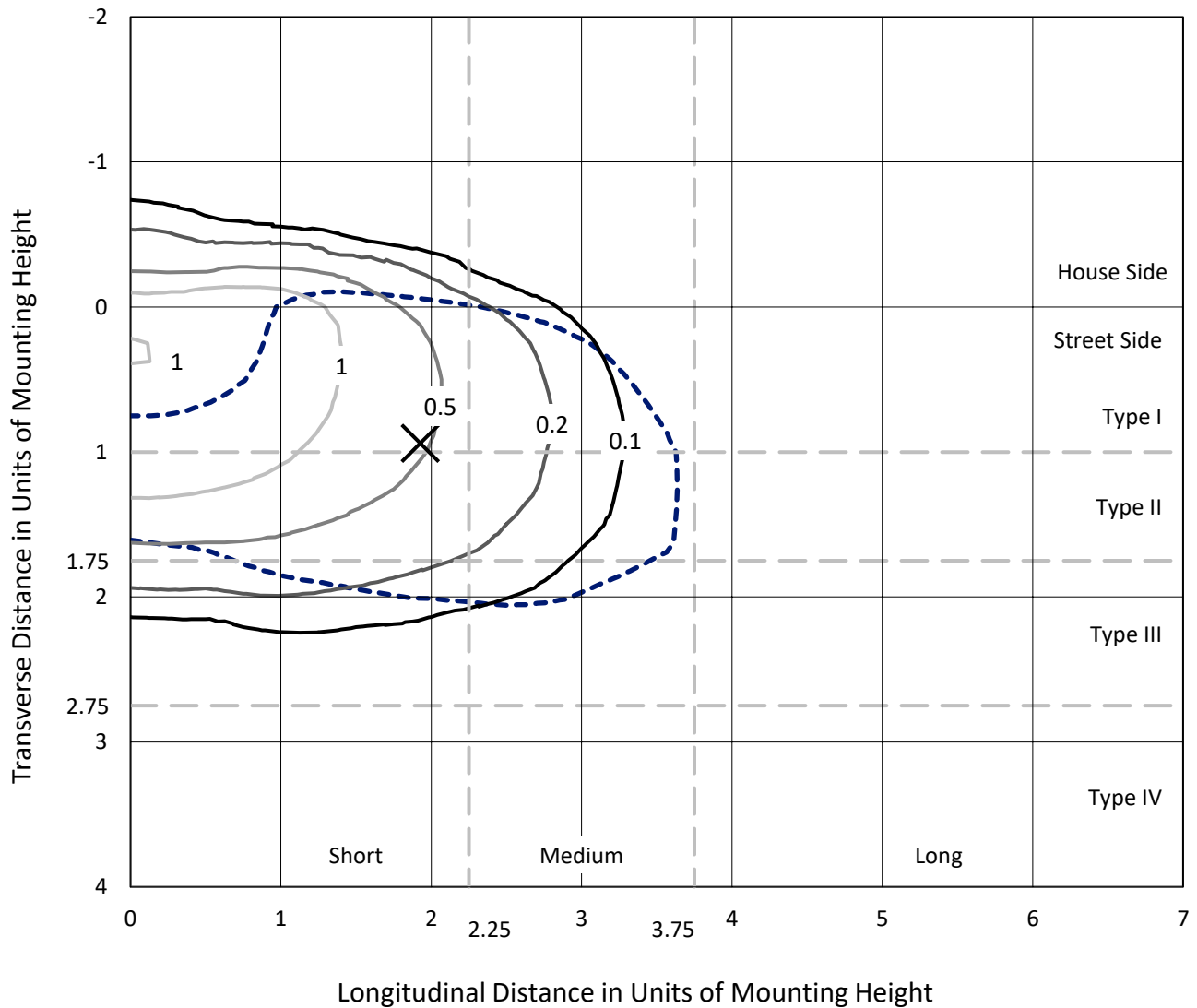
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

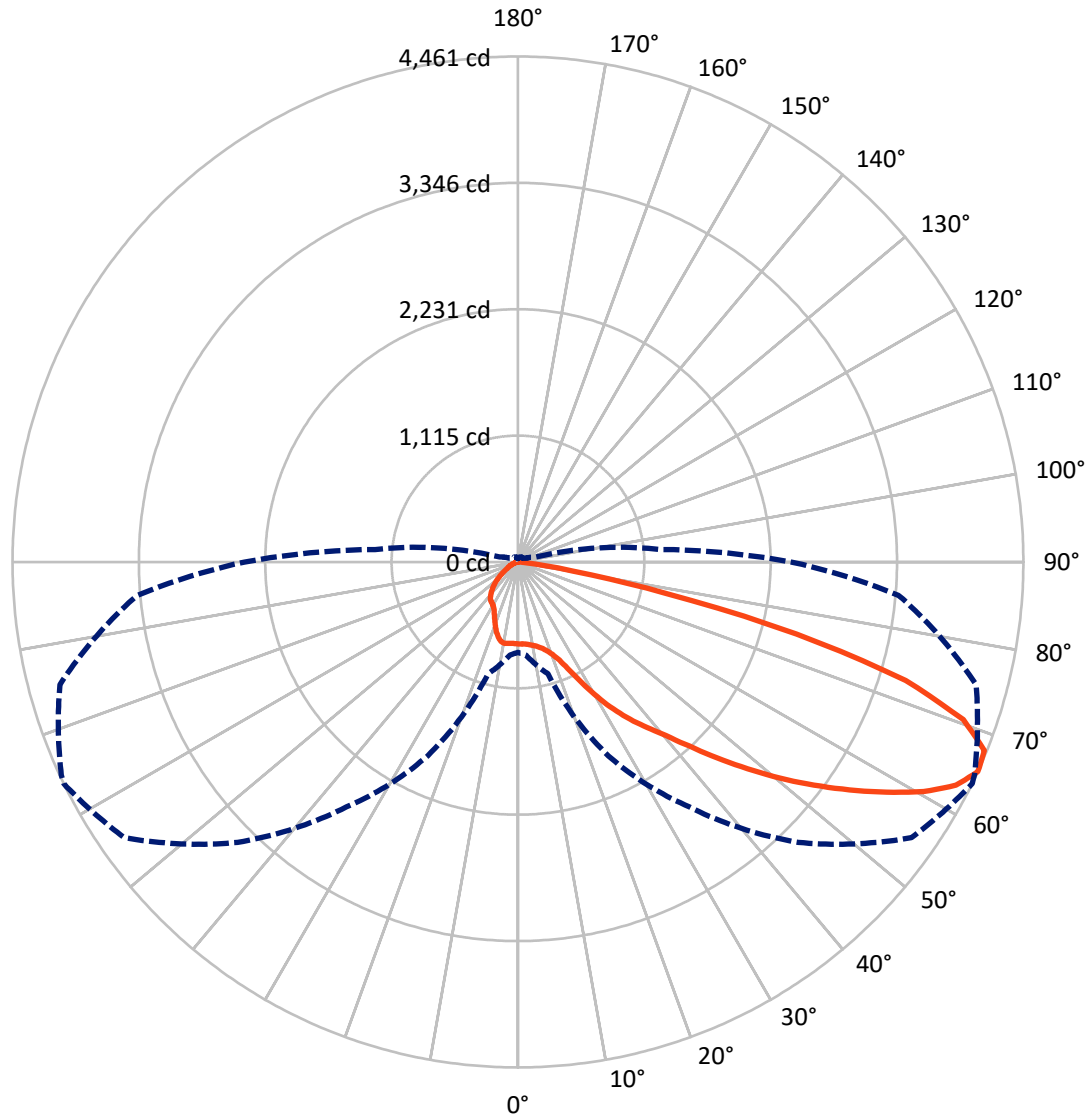
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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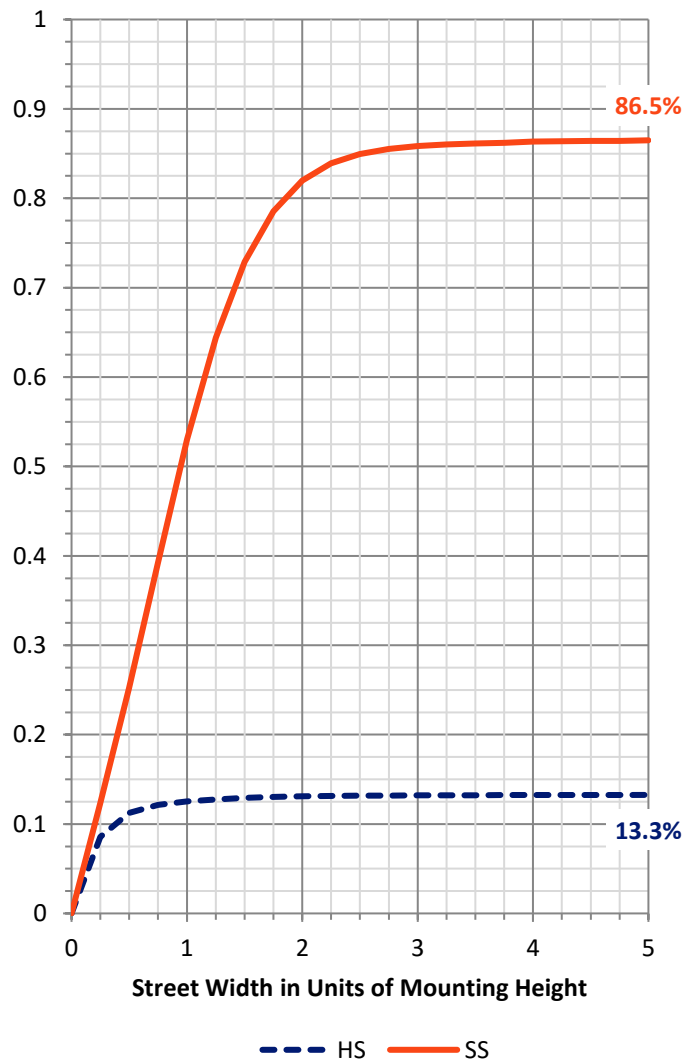
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	831.3	0.0	831.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5384.7	0.0	5384.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	6216.0	0.0	6216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	1.1
10°-20°	180.9	2.9
20°-30°	342.8	5.5
30°-40°	693.7	11.2
40°-50°	1181.7	19.0
50°-60°	1607.1	25.9
60°-70°	1509.1	24.3
70°-80°	604.6	9.7
80°-90°	29.3	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°	6216.0	100.0
0°-180°	6216.0	100.0

Coefficient of Utilization



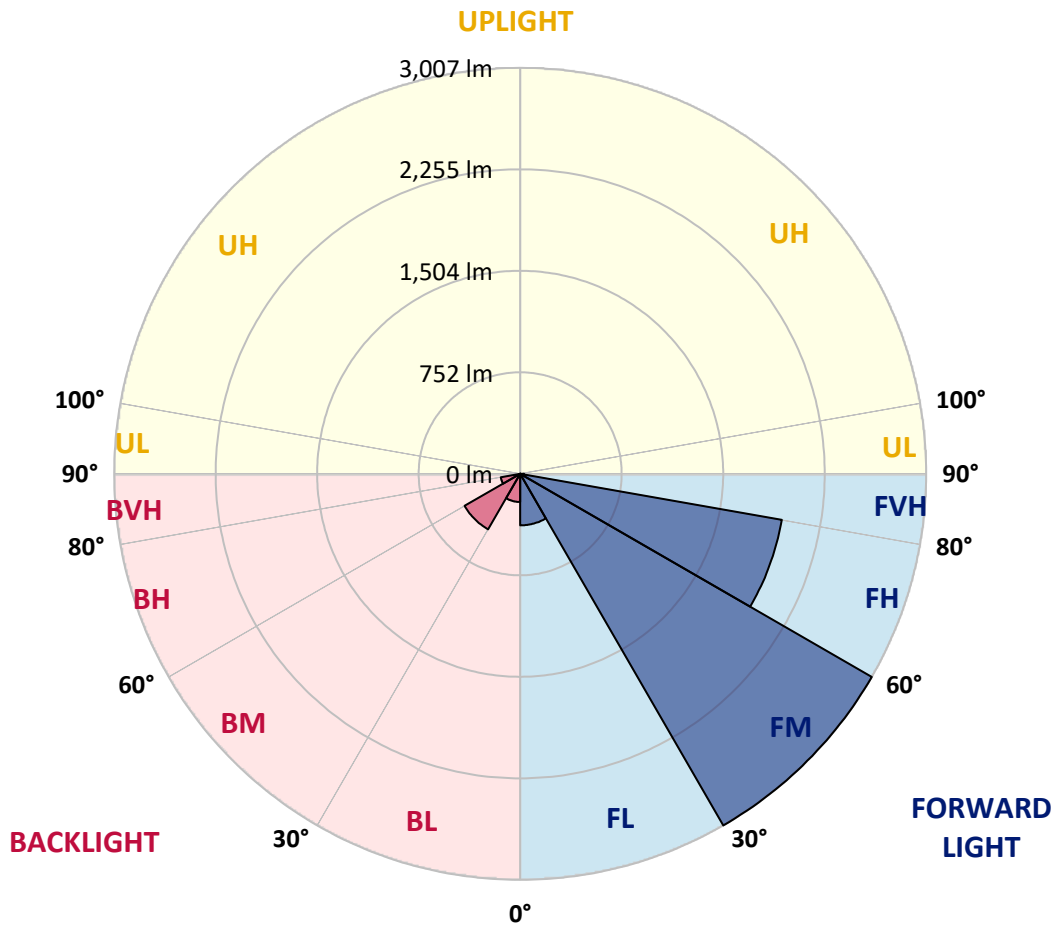
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.7	6.1			
FM (30°-60°)	3007.3	48.4			
FH (60°-80°)	1967.8	31.7			G2/5000
FVH (80°-90°)	27.9	0.4			G1/100
BL (0°-30°)	208.7	3.4	B1/500		
BM (30°-60°)	475.2	7.6	B1/1000		
BH (60°-80°)	145.9	2.3	B1/500		G1/500
BVH (80°-90°)	1.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0
2.5°	720.5	725.5	724.2	723.0	722.6	723.4	723.8	723.4	723.4	723.4
5°	706.7	710.9	710.9	713.8	718.0	723.0	726.7	727.6	728.4	729.7
7.5°	680.5	683.8	686.3	695.9	706.3	719.7	730.9	736.7	737.6	742.2
10°	662.6	666.7	670.9	680.9	695.9	715.9	735.1	749.2	751.3	762.2
12.5°	661.7	665.9	671.3	682.1	699.6	720.9	744.2	764.7	768.4	784.2
15°	670.5	675.5	680.5	693.8	712.6	738.4	763.4	788.8	792.6	815.1
17.5°	688.4	695.1	698.8	712.2	732.2	760.9	793.8	823.0	826.3	852.6
20°	723.8	731.7	733.0	743.8	763.4	794.2	833.4	869.7	873.8	903.8
22.5°	797.2	808.4	798.4	803.8	821.3	852.2	894.7	940.5	946.3	980.5
25°	926.3	942.2	916.3	907.2	914.7	946.8	1000.1	1058.0	1064.7	1092.2
27.5°	1180.1	1159.7	1120.5	1082.2	1059.7	1078.0	1138.0	1209.7	1218.0	1244.7
30°	1458.9	1441.0	1388.0	1303.0	1249.7	1246.8	1302.2	1382.2	1391.8	1417.2
32.5°	1738.1	1721.0	1663.5	1558.9	1466.4	1420.6	1458.9	1547.6	1552.6	1568.9
35°	2012.7	1995.2	1937.7	1830.6	1716.8	1612.7	1605.2	1705.2	1706.8	1723.9
37.5°	2289.0	2274.4	2213.1	2108.1	1996.0	1852.3	1782.7	1854.3	1856.4	1873.1
40°	2486.1	2492.3	2450.2	2369.0	2272.7	2115.6	1981.9	2013.1	2000.6	2028.5
42.5°	2655.3	2667.8	2631.1	2590.2	2534.4	2396.1	2228.5	2223.1	2203.1	2218.1
45°	2801.5	2811.9	2779.0	2769.4	2768.2	2671.1	2498.2	2465.7	2437.7	2434.8
47.5°	2855.3	2875.3	2889.4	2921.5	2984.0	2943.2	2776.9	2726.5	2695.3	2672.3
50°	2875.7	2896.9	2945.3	3038.6	3186.6	3204.1	3054.5	2997.8	2959.4	2917.8
52.5°	2848.2	2886.1	2951.1	3108.2	3322.8	3413.2	3320.7	3271.1	3227.4	3159.5
55°	2686.1	2724.0	2856.9	3107.4	3390.7	3559.9	3572.4	3550.3	3501.2	3394.1
57.5°	2344.4	2400.6	2611.1	3001.5	3389.5	3686.2	3819.1	3834.9	3779.9	3626.6
60°	1871.0	1947.3	2204.0	2766.9	3284.9	3754.5	4035.4	4114.6	4056.2	3855.8
62.5°	1305.5	1393.9	1636.8	2399.4	3045.7	3705.4	4193.3	4339.6	4295.4	4060.8
65°	796.3	824.7	1020.5	1888.1	2639.0	3499.5	4242.1	4461.3	4446.7	4186.2
67.5°	530.5	554.2	610.5	1294.7	2048.5	3088.2	4125.4	4440.0	4444.2	4165.8
70°	319.6	340.0	376.7	753.0	1327.6	2444.4	3764.1	4169.1	4193.3	3892.9
72.5°	131.7	145.4	178.8	341.3	687.6	1551.4	2997.4	3579.5	3635.8	3273.2
75°	74.6	81.7	105.0	171.3	298.4	723.0	1815.6	2541.1	2624.0	2256.0
77.5°	49.6	52.9	67.9	110.8	167.9	246.7	775.9	1323.9	1482.2	1232.2
80°	33.3	36.3	46.7	74.2	109.2	105.8	247.1	490.5	603.4	423.4
82.5°	22.5	22.9	33.3	48.8	69.2	51.3	72.9	152.5	191.7	122.5
85°	12.9	12.5	24.6	28.3	30.8	21.3	22.1	45.8	60.0	51.7
87.5°	1.7	2.5	9.6	7.5	4.2	4.6	4.6	7.9	11.7	12.5
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°
723.0	0°	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0
723.8	2.5°	723.8	723.4	722.2	720.9	718.0	716.3	717.2	716.3	715.9	716.3
729.2	5°	729.2	728.0	724.7	720.5	714.7	707.6	703.0	696.3	690.1	686.3
743.8	7.5°	743.8	742.6	738.0	726.3	707.6	678.0	650.9	627.1	609.2	598.8
767.2	10°	767.2	765.1	758.0	732.2	683.0	618.4	564.6	520.0	490.9	477.1
794.7	12.5°	794.7	792.2	779.7	726.7	636.3	535.5	461.3	411.7	384.6	372.5
826.3	15°	827.2	823.8	799.2	700.9	568.4	443.8	375.9	338.8	321.3	310.4
866.7	17.5°	867.6	861.7	813.8	662.1	494.6	373.8	323.4	295.4	280.0	269.6
919.7	20°	920.1	910.5	825.5	615.9	426.7	329.6	287.9	264.6	252.9	243.8
994.7	22.5°	993.4	979.7	839.7	565.9	378.8	299.2	261.7	244.6	235.0	224.6
1099.3	25°	1084.3	1068.0	857.2	519.6	345.9	272.9	242.5	228.4	217.1	205.0
1236.4	27.5°	1211.4	1182.2	878.0	481.7	317.5	250.4	225.0	209.2	196.3	186.3
1391.8	30°	1353.0	1305.1	896.3	458.8	291.7	229.6	202.1	186.3	174.2	167.1
1531.4	32.5°	1487.2	1422.2	908.4	448.8	268.4	205.9	177.1	160.0	150.8	148.8
1668.1	35°	1613.9	1528.1	907.2	439.2	247.5	182.1	152.5	135.0	127.9	129.2
1815.2	37.5°	1759.8	1641.0	898.4	424.2	230.4	160.4	131.3	115.8	109.6	110.0
1993.9	40°	1929.3	1771.4	893.0	395.9	211.7	140.4	113.8	101.3	96.7	95.0
2182.3	42.5°	2110.2	1897.7	893.8	363.8	188.4	122.5	101.7	91.3	87.1	85.8
2391.9	45°	2291.9	2018.1	895.1	330.4	163.8	108.8	92.9	84.2	81.7	80.0
2604.4	47.5°	2462.7	2120.6	871.7	294.6	139.6	98.3	85.8	80.0	77.9	75.8
2817.8	50°	2621.9	2189.0	815.5	252.9	120.4	90.0	80.4	76.3	74.2	72.1
3011.1	52.5°	2745.7	2199.8	722.6	210.0	107.1	83.8	77.1	73.3	70.8	68.8
3167.4	55°	2800.7	2131.9	590.5	170.0	96.7	78.3	73.8	70.0	67.1	65.0
3290.3	57.5°	2786.5	1988.9	460.5	136.7	86.7	72.9	69.6	67.1	63.8	60.4
3389.9	60°	2716.9	1797.7	347.1	113.8	77.5	67.1	65.0	62.9	58.3	53.3
3428.2	62.5°	2596.5	1557.2	247.5	94.2	67.5	60.4	59.6	57.9	51.3	42.1
3371.6	65°	2412.3	1265.1	166.7	78.3	57.9	52.9	53.3	50.4	41.7	31.3
3164.1	67.5°	2143.1	925.1	106.7	64.2	48.3	44.2	44.6	42.9	35.4	26.7
2770.7	70°	1800.2	612.6	69.6	48.8	38.8	34.2	36.7	37.1	30.0	21.7
2126.5	72.5°	1319.7	361.7	48.8	36.3	28.3	23.8	30.0	30.8	24.2	16.3
1279.3	75°	752.2	171.7	36.7	26.3	17.5	16.7	23.3	23.3	16.7	10.8
553.8	77.5°	315.9	71.7	25.8	17.1	10.0	9.6	15.8	14.6	8.3	5.0
135.0	80°	91.3	32.1	13.8	8.3	4.2	3.8	6.3	4.6	2.1	0.8
51.3	82.5°	35.8	14.2	5.4	3.3	1.7	1.7	0.8	0.0	0.0	0.0
29.2	85°	21.3	5.8	2.5	1.3	0.4	0.0	0.0	0.0	0.0	0.0
6.3	87.5°	5.4	1.3	0.8	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>
723.0
718.0
687.1
599.2
475.9
371.3
310.9
268.8
242.1
222.9
203.8
184.2
165.8
150.0
129.2
111.7
94.6
85.4
80.0
75.8
72.1
68.3
64.6
60.0
52.5
41.3
30.4
25.4
20.8
15.4
10.0
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