

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: P939175

Luminaire Tested: **GALN-SB1C-927-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4518 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

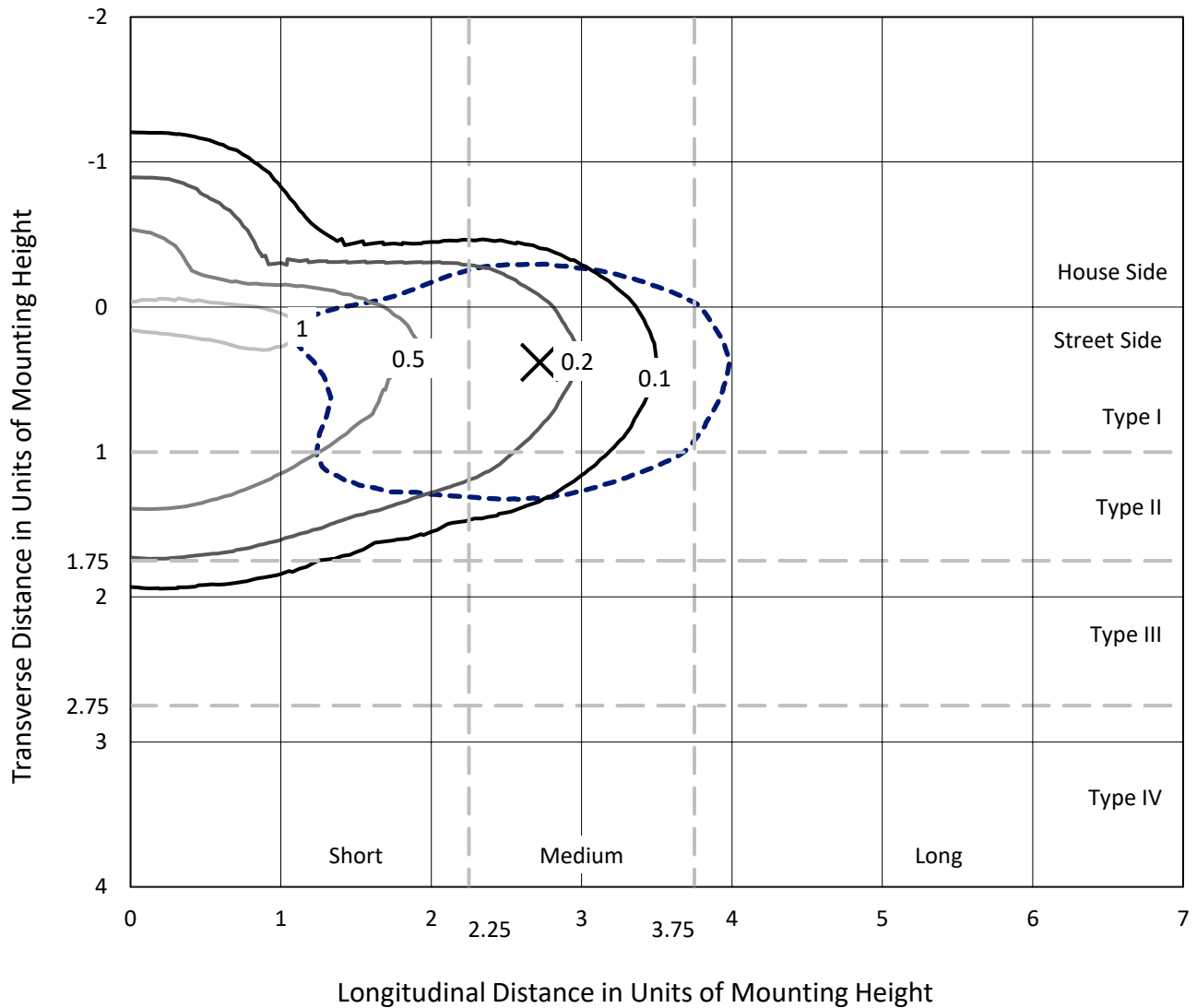
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

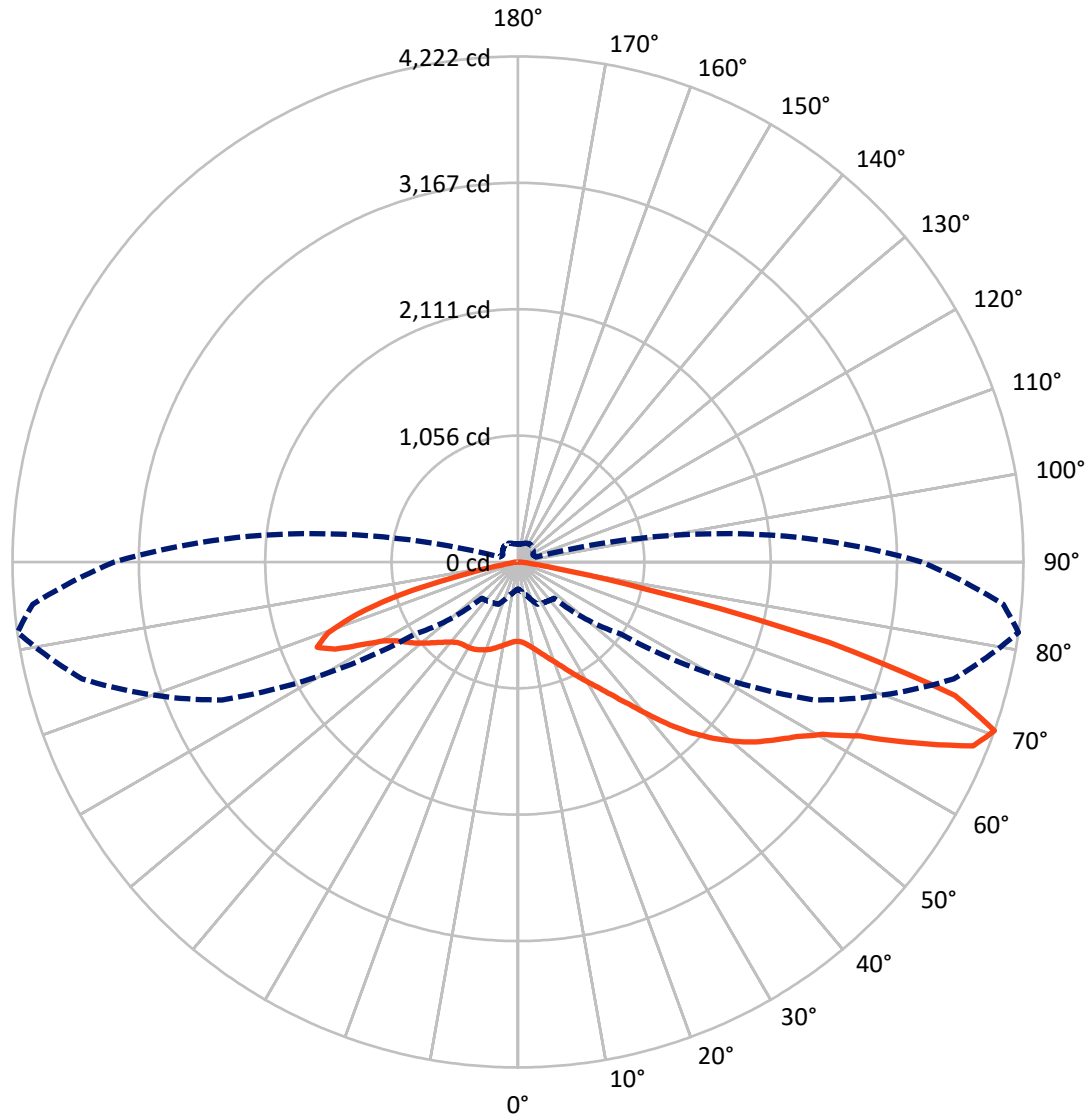
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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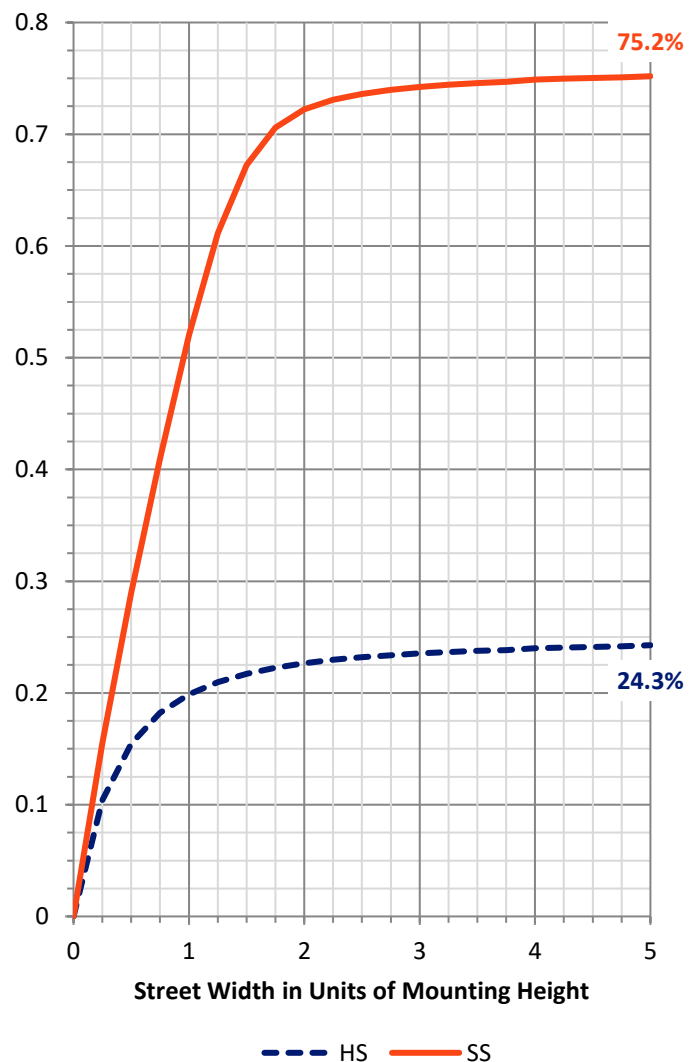
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1113.8	0.0	1113.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3404.2	0.0	3404.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	4518.0	0.0	4518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	1.4
10°-20°	179.7	4.0
20°-30°	300.6	6.7
30°-40°	469.6	10.4
40°-50°	747.9	16.6
50°-60°	1040.8	23.0
60°-70°	1088.7	24.1
70°-80°	569.0	12.6
80°-90°	59.1	1.3
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°	4518.0	100.0
0°-180°	4518.0	100.0

Coefficient of Utilization

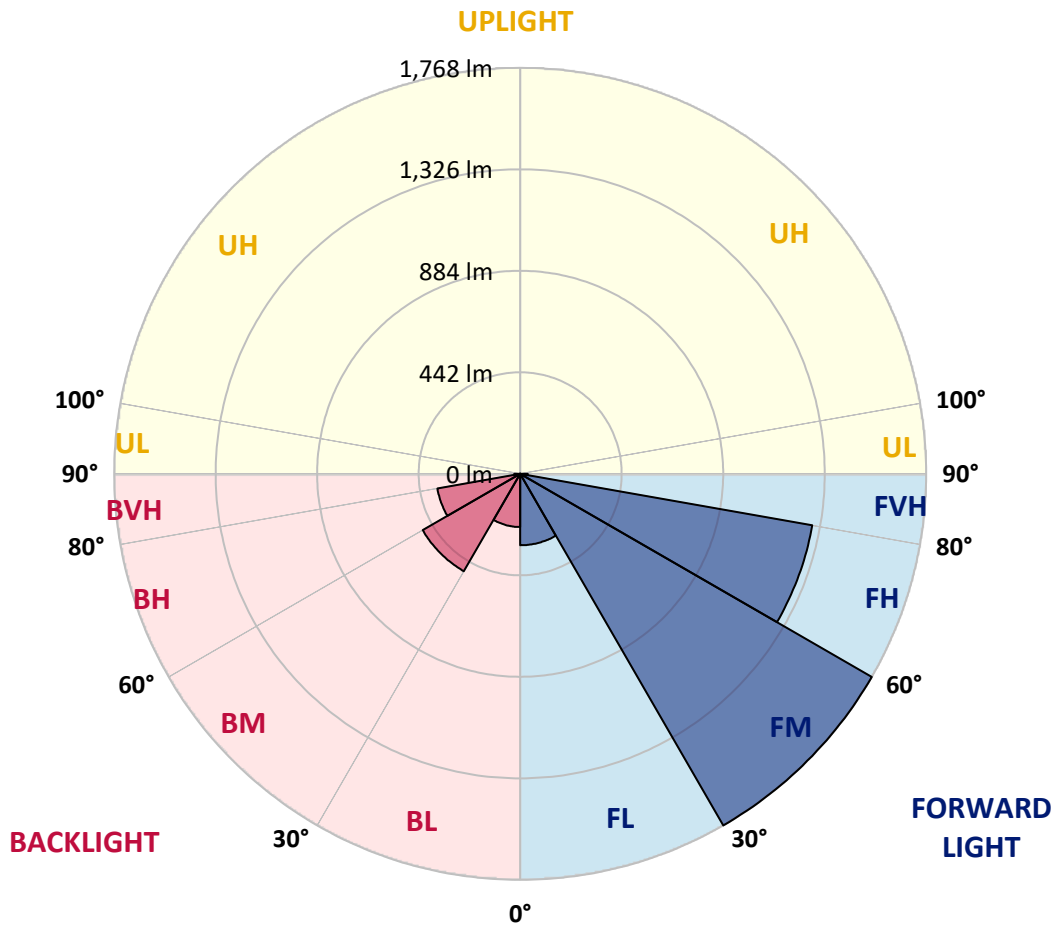


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	311.1	6.9			
FM (30°-60°)	1768.3	39.1			
FH (60°-80°)	1291.7	28.6			G1/1800
FVH (80°-90°)	33.1	0.7			G1/100
BL (0°-30°)	231.7	5.1	B1/500		
BM (30°-60°)	490.0	10.8	B1/1000		
BH (60°-80°)	366.1	8.1	B1/500		G1/500
BVH (80°-90°)	26.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4
2.5°	678.2	682.1	680.9	679.7	679.7	678.0	677.7	675.3	673.4	670.3
5°	686.8	690.9	690.4	691.4	694.5	695.2	696.0	694.5	690.7	686.8
7.5°	679.2	683.7	685.2	690.9	700.5	709.1	715.6	718.3	714.7	709.1
10°	653.3	658.3	663.4	677.0	694.0	714.4	731.7	742.0	741.3	736.0
12.5°	600.8	606.1	616.8	643.5	674.6	710.6	742.7	764.3	771.7	767.9
15°	558.8	563.4	571.5	598.9	639.4	694.0	746.8	788.7	807.7	805.5
17.5°	557.6	559.5	564.6	577.5	608.7	668.1	742.5	812.7	848.9	848.7
20°	578.7	579.4	582.3	585.0	602.7	648.5	731.4	832.6	895.2	895.2
22.5°	608.0	607.5	610.4	608.0	616.6	646.8	724.5	850.1	946.7	950.6
25°	651.8	649.4	648.7	643.2	644.9	662.4	732.2	870.0	1007.9	1015.8
27.5°	710.3	706.5	703.9	691.2	686.8	694.5	755.7	894.0	1075.9	1089.6
30°	786.6	779.6	775.8	753.7	738.2	739.4	791.1	925.9	1147.1	1169.2
32.5°	890.6	879.8	869.5	833.3	804.8	795.4	836.9	970.0	1224.3	1259.6
35°	1007.1	998.5	987.5	931.6	887.7	866.2	898.8	1031.6	1314.7	1370.6
37.5°	1119.3	1111.9	1117.2	1041.9	985.3	953.9	979.8	1114.3	1426.2	1508.7
40°	1235.4	1229.6	1230.3	1158.4	1092.5	1057.2	1078.1	1218.1	1554.0	1672.9
42.5°	1361.5	1357.2	1342.8	1279.0	1204.9	1172.1	1191.3	1338.0	1691.1	1859.9
45°	1502.7	1500.0	1486.6	1413.5	1328.6	1291.7	1317.6	1470.3	1829.0	2035.9
47.5°	1624.7	1626.9	1625.2	1563.6	1475.6	1421.4	1452.3	1608.4	1957.2	2201.3
50°	1683.4	1694.7	1711.2	1692.1	1637.4	1582.3	1588.3	1741.7	2079.5	2356.4
52.5°	1652.8	1674.1	1719.2	1749.8	1770.9	1759.4	1743.4	1874.0	2194.6	2496.4
55°	1538.4	1568.4	1643.2	1717.2	1824.9	1908.6	1929.6	2020.7	2306.8	2619.6
57.5°	1330.1	1378.7	1445.9	1595.7	1776.9	1980.7	2146.9	2224.3	2425.7	2751.2
60°	972.9	1038.1	1121.5	1344.4	1609.1	1942.1	2331.7	2536.9	2594.7	2921.7
62.5°	622.6	662.9	739.6	949.6	1253.8	1744.3	2388.3	2927.7	2881.2	3201.2
65°	426.3	452.1	522.4	640.3	810.6	1298.4	2236.8	3220.6	3336.2	3644.3
67.5°	309.7	329.4	389.3	492.7	528.1	768.4	1735.7	3207.2	3778.5	4100.7
70°	225.8	239.7	290.1	389.3	406.4	427.5	1051.5	2726.3	3768.9	4222.0
72.5°	167.3	176.9	210.7	302.1	328.9	288.6	520.5	1981.4	3238.6	3818.8
75°	121.1	128.3	153.2	231.1	263.2	219.8	259.6	1157.9	2259.0	2686.3
77.5°	92.5	98.1	114.4	169.3	210.7	164.9	161.1	532.7	1071.1	1076.4
80°	74.3	77.9	86.8	119.1	161.6	123.5	105.0	215.0	338.5	286.5
82.5°	54.7	60.7	73.4	83.7	115.6	85.1	64.0	108.6	128.7	110.8
85°	31.2	35.2	44.4	59.9	73.8	52.0	36.7	48.2	59.9	49.1
87.5°	11.0	14.4	15.6	23.5	32.1	21.6	14.1	13.9	19.7	14.6
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°
662.4	0°	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4
669.6	2.5°	667.2	666.0	661.2	654.7	648.0	641.5	639.4	634.8	631.7	630.0
685.2	5°	680.6	676.8	665.5	651.1	636.0	619.7	608.2	597.7	590.0	582.8
706.5	7.5°	699.8	693.1	673.7	648.5	621.6	594.5	574.4	559.1	548.8	542.0
731.4	10°	722.1	711.8	682.1	644.4	602.9	564.1	540.4	527.2	520.7	517.1
760.0	12.5°	747.7	733.1	690.7	635.1	574.4	530.1	513.8	509.9	510.2	510.4
795.9	15°	779.4	759.0	697.6	614.7	537.3	503.9	501.1	507.3	513.8	516.9
836.7	17.5°	815.1	786.3	698.8	581.1	500.8	487.1	496.3	509.7	519.5	523.8
882.2	20°	853.5	814.1	690.2	533.7	470.8	473.5	489.8	507.0	517.8	523.3
934.3	22.5°	897.3	843.9	669.6	483.8	446.4	458.6	477.8	494.6	505.8	511.4
995.4	25°	947.4	877.2	637.2	441.8	425.3	441.8	461.0	474.9	484.0	489.1
1063.7	27.5°	1003.1	912.0	594.1	408.5	406.8	424.6	440.4	451.2	456.0	459.8
1136.4	30°	1058.9	943.6	541.8	383.3	390.8	407.6	418.8	423.6	425.1	425.8
1217.4	32.5°	1119.3	970.9	486.9	362.5	375.4	391.0	397.7	399.9	393.2	388.6
1315.7	35°	1192.5	1000.2	433.2	345.9	360.3	373.8	375.9	374.0	366.1	356.7
1438.9	37.5°	1282.8	1036.6	390.3	334.2	346.2	355.1	352.4	351.9	352.7	341.6
1587.1	40°	1393.6	1084.1	358.9	325.1	334.7	336.6	329.2	333.2	336.8	320.0
1749.6	42.5°	1516.6	1141.4	339.0	318.9	325.1	320.5	309.0	313.6	313.1	291.0
1912.9	45°	1642.0	1203.7	332.0	314.3	316.2	307.1	294.4	295.6	285.5	265.6
2069.4	47.5°	1766.6	1270.6	336.4	310.5	305.2	294.9	285.0	279.8	264.9	250.0
2219.5	50°	1888.9	1340.9	352.2	302.8	290.1	284.1	276.9	267.5	251.7	239.0
2361.4	52.5°	2002.3	1411.6	369.9	290.1	271.1	274.7	270.2	259.4	243.8	230.9
2495.7	55°	2109.7	1482.3	376.9	272.6	253.4	266.6	264.0	244.1	225.4	214.8
2636.2	57.5°	2226.7	1567.4	369.2	250.3	239.0	257.2	247.2	225.1	214.3	206.4
2819.1	60°	2388.7	1700.9	352.7	222.7	225.4	243.3	226.1	217.0	205.2	196.3
3093.3	62.5°	2658.0	1950.0	326.0	195.4	209.3	222.7	216.0	206.9	194.9	186.3
3562.3	65°	3055.9	2296.2	275.9	174.0	191.3	202.6	205.2	196.1	183.6	174.5
3973.2	67.5°	3391.6	2513.4	208.8	156.3	172.9	186.3	193.7	184.8	171.7	162.8
4069.3	70°	3373.1	2355.7	159.4	138.8	156.5	170.2	179.8	172.9	158.7	150.3
3696.3	72.5°	2996.0	1970.6	129.0	121.1	140.0	153.4	164.9	159.7	145.3	137.1
2707.8	75°	2201.0	1398.9	103.1	103.1	119.4	135.9	148.6	145.3	132.1	126.3
1136.8	77.5°	927.8	586.9	80.8	85.6	99.3	116.8	132.6	133.8	122.3	129.5
300.6	80°	246.7	161.8	61.6	67.4	77.9	96.4	115.3	114.8	102.4	95.7
111.7	82.5°	94.0	63.8	43.9	47.5	56.3	73.8	91.3	94.2	81.8	70.7
43.9	85°	36.2	27.3	27.1	28.5	32.8	48.9	69.0	71.4	61.6	52.3
12.2	87.5°	9.3	8.2	10.1	9.6	15.1	26.1	39.6	41.0	37.6	21.8
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>
662.4
631.9
585.7
543.5
518.1
510.9
516.6
524.8
524.8
512.8
490.5
461.3
427.5
390.1
357.2
342.3
320.5
290.8
266.3
250.0
238.1
231.1
213.8
205.7
195.9
186.3
175.0
163.0
151.0
137.1
124.7
117.5
88.9
70.7
53.9
31.2
0.0

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