

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: P945097

Luminaire Tested: **GALN-SB1A-927-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-927-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2087 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

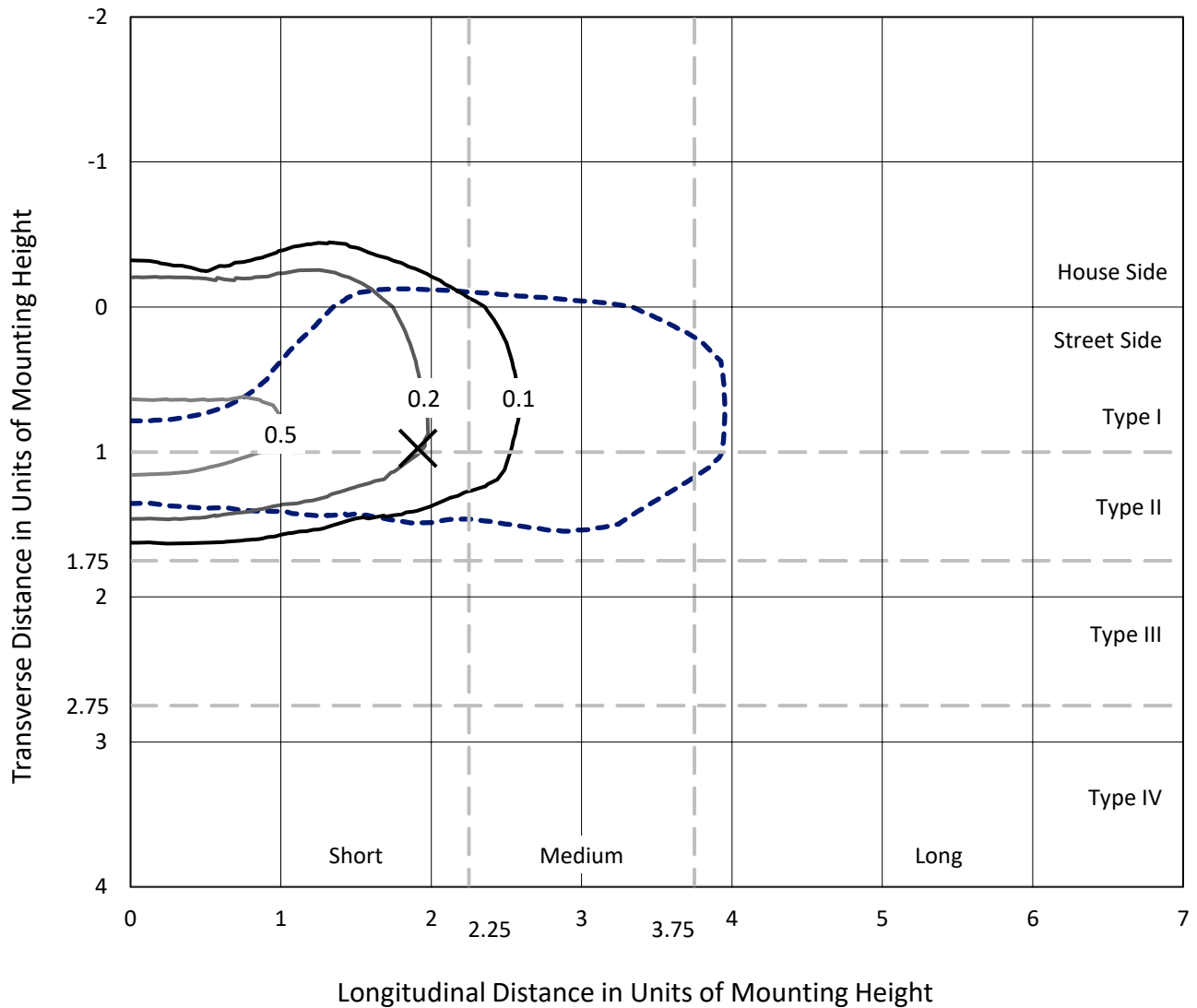
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

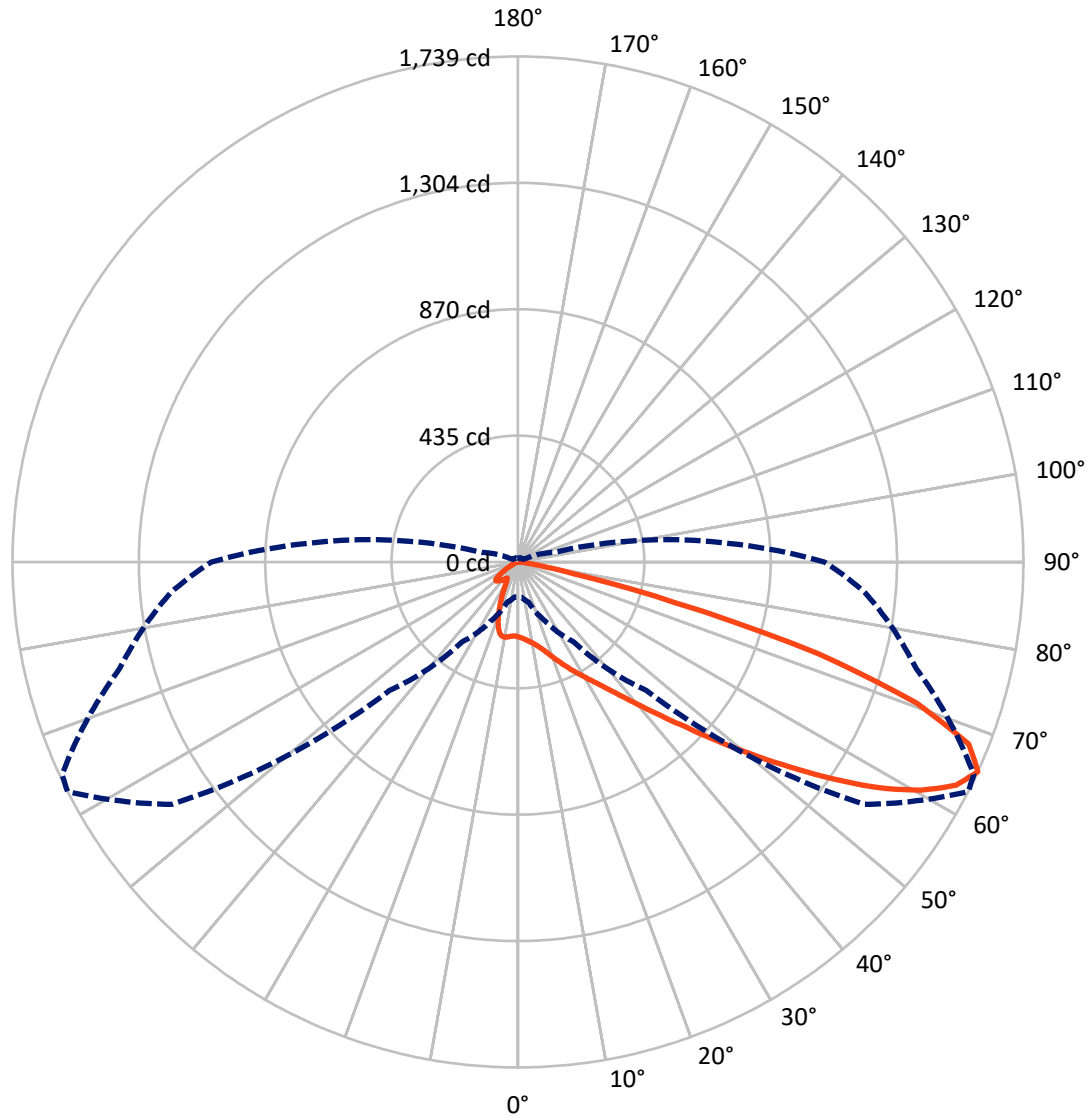
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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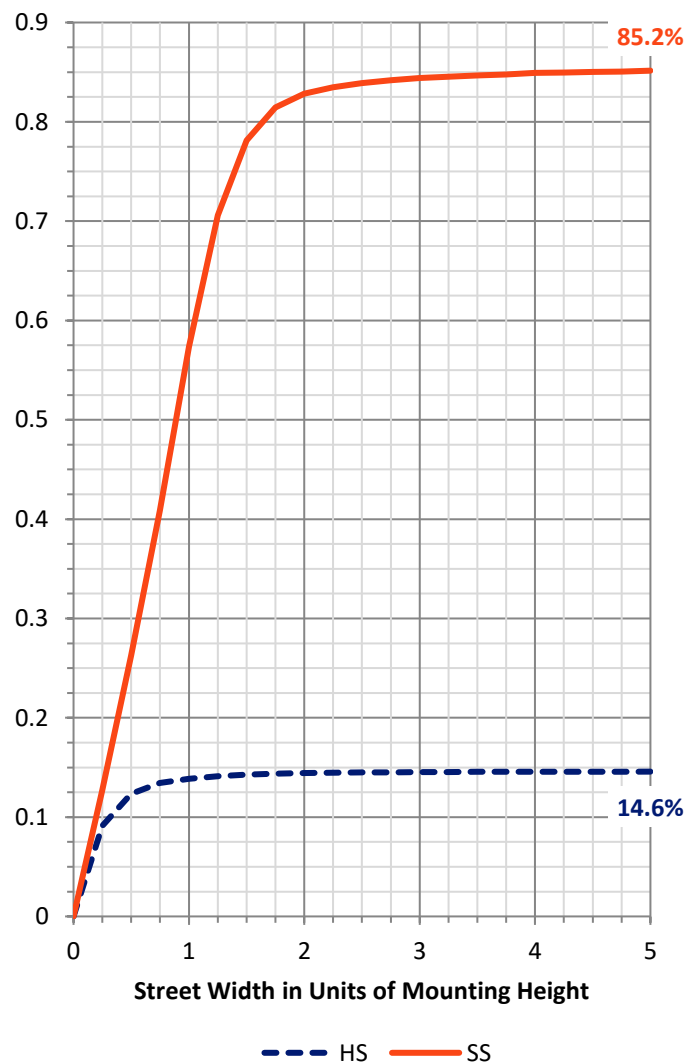
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	306.8	0.0	306.8
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	1780.2	0.0	1780.2
	% Fixture	85.3	0.0	85.3
Total	Lumens	2087.0	0.0	2087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	1.2
10°-20°	67.3	3.2
20°-30°	117.2	5.6
30°-40°	211.3	10.1
40°-50°	419.1	20.1
50°-60°	570.9	27.4
60°-70°	455.7	21.8
70°-80°	206.2	9.9
80°-90°	14.8	0.7
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°	2087.0	100.0
0°-180°	2087.0	100.0

Coefficient of Utilization



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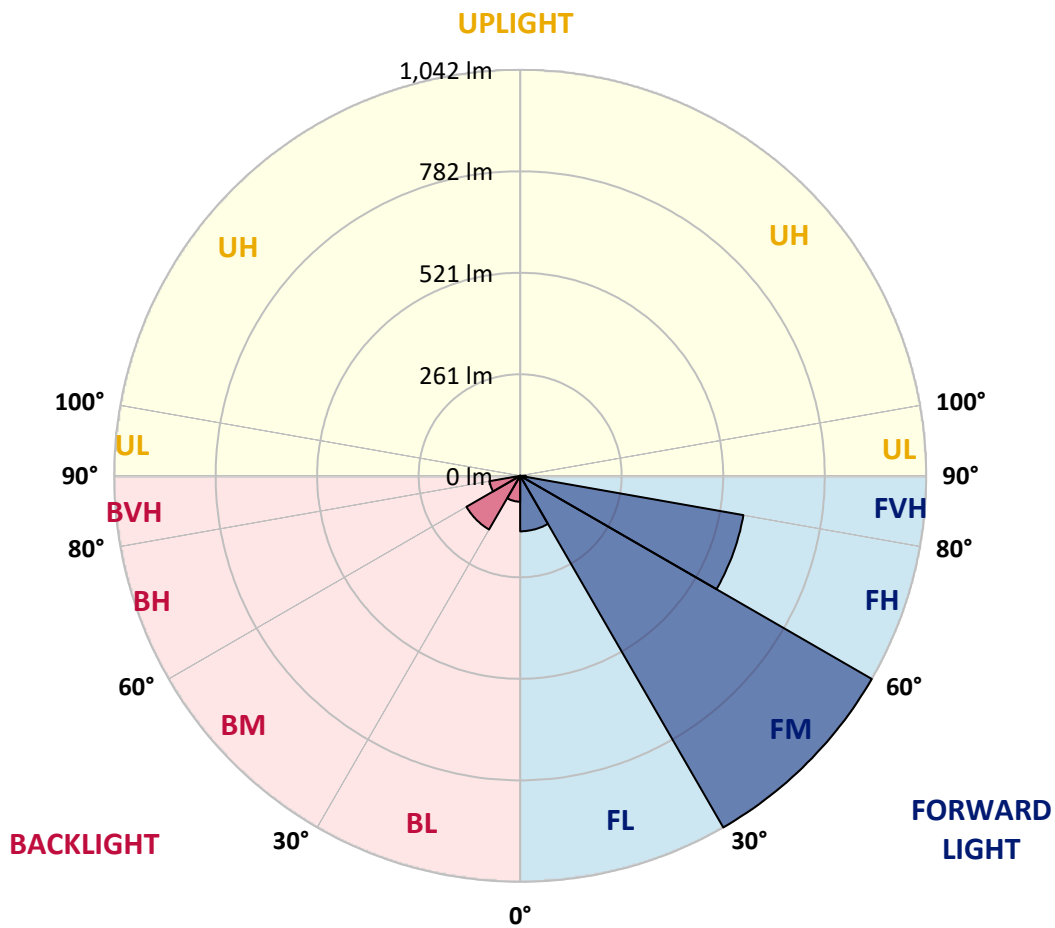
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.5	6.8			
FM (30°-60°)	1042.2	49.9			
FH (60°-80°)	581.8	27.9			G0/660
FVH (80°-90°)	13.7	0.7			G1/100
BL (0°-30°)	66.4	3.2	B0/110		
BM (30°-60°)	159.2	7.6	B0/220		
BH (60°-80°)	80.1	3.8	B0/110		G0/110
BVH (80°-90°)	1.1	0.1			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6
2.5°	263.6	262.9	263.9	263.5	263.2	262.6	262.3	262.0	261.5	261.0
5°	264.3	263.9	264.9	265.8	266.6	267.5	267.9	268.5	267.9	266.8
7.5°	258.3	258.0	260.2	262.7	266.6	269.9	273.5	275.5	275.7	275.2
10°	257.9	257.1	259.3	262.5	267.5	273.4	279.7	284.0	284.6	286.4
12.5°	264.6	263.9	266.9	270.4	275.5	281.7	289.4	295.5	296.3	298.9
15°	276.0	274.9	278.4	282.8	289.4	296.5	304.7	310.1	310.8	314.0
17.5°	289.2	288.2	292.2	296.9	304.1	313.7	323.2	329.2	330.1	332.1
20°	306.1	304.8	308.0	312.3	319.9	331.4	342.7	351.3	351.2	351.2
22.5°	325.8	323.8	326.5	329.9	337.1	351.0	366.1	376.3	376.3	372.3
25°	346.9	344.9	347.9	351.0	357.4	373.2	390.8	403.4	404.0	397.1
27.5°	373.3	370.7	373.0	376.7	380.5	396.6	417.5	432.2	432.5	421.8
30°	424.1	416.8	409.6	405.6	407.3	423.3	445.7	461.9	463.3	448.7
32.5°	517.2	515.7	490.5	457.4	440.2	452.0	477.1	496.6	497.5	478.7
35°	661.7	660.0	619.4	556.5	500.4	490.5	515.3	538.4	537.8	516.6
37.5°	834.3	832.7	779.2	695.1	604.2	548.6	564.5	588.8	592.4	564.5
40°	981.8	975.9	942.0	860.9	742.0	645.1	634.6	650.7	654.4	621.4
42.5°	1093.5	1088.4	1071.2	1020.5	908.8	787.8	717.2	723.3	727.5	687.9
45°	1151.3	1150.2	1157.1	1152.3	1078.8	963.0	835.2	809.5	811.1	761.5
47.5°	1159.5	1158.9	1190.4	1234.9	1225.0	1160.5	986.7	916.9	911.3	844.7
50°	1111.3	1110.1	1170.4	1253.8	1322.6	1326.5	1158.7	1037.9	1025.6	930.7
52.5°	957.2	956.9	1056.0	1194.8	1356.9	1471.8	1328.7	1170.9	1150.2	1021.7
55°	736.5	741.9	855.4	1019.5	1294.3	1541.7	1481.3	1318.5	1286.7	1113.3
57.5°	521.8	529.5	641.8	787.9	1100.2	1500.4	1584.5	1466.3	1432.2	1204.6
60°	280.3	287.2	399.6	574.0	818.5	1346.2	1638.9	1594.7	1562.4	1291.3
62.5°	167.0	169.3	215.8	370.6	553.6	1028.4	1615.8	1692.5	1665.9	1364.1
65°	119.9	120.3	143.7	226.3	336.1	624.8	1453.7	1739.3	1731.1	1419.0
67.5°	100.9	100.6	110.4	150.3	229.0	313.0	1114.1	1673.1	1707.8	1453.7
70°	86.6	87.0	98.5	110.1	172.1	177.2	553.9	1456.7	1530.8	1462.9
72.5°	64.5	65.9	76.5	100.4	129.9	121.9	191.2	1080.1	1214.1	1378.3
75°	45.5	46.2	53.8	84.4	96.9	88.7	97.6	558.4	730.1	1056.7
77.5°	35.0	36.3	40.8	59.0	95.5	62.3	59.7	193.3	296.9	638.3
80°	19.0	21.2	29.4	42.6	67.0	44.1	29.6	77.0	100.6	298.5
82.5°	9.8	10.9	20.5	30.7	38.2	38.5	14.6	32.0	41.5	92.2
85°	3.9	4.7	13.8	16.9	19.7	19.0	6.6	12.9	14.9	25.6
87.5°	0.9	1.4	5.0	3.9	3.7	4.0	1.6	3.0	2.9	3.0
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°
257.6	0°	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6	257.6
259.3	2.5°	259.2	258.6	257.0	255.3	253.3	252.1	251.4	251.3	250.3	249.5
265.0	5°	263.5	262.9	259.9	256.3	252.4	249.4	246.5	243.9	240.2	239.5
273.4	7.5°	272.1	270.5	265.6	260.7	253.4	244.7	234.0	221.8	210.9	207.6
284.4	10°	282.7	280.5	274.4	265.8	249.5	225.7	200.0	176.2	157.2	151.9
297.5	12.5°	294.8	292.9	284.7	268.8	233.3	190.1	150.8	121.2	102.8	98.2
311.4	15°	309.1	306.4	295.0	264.2	204.3	144.4	103.5	86.0	79.4	78.5
327.4	17.5°	324.3	319.9	304.2	247.7	165.3	102.7	80.0	74.9	72.1	71.2
343.4	20°	338.3	332.5	309.7	222.7	123.5	80.0	71.6	68.3	65.8	64.8
359.5	22.5°	352.2	344.0	309.7	188.7	92.6	70.9	65.8	62.7	59.7	58.4
376.7	25°	366.7	355.8	304.2	150.8	74.5	65.0	60.2	56.9	54.3	52.7
393.1	27.5°	380.8	365.7	291.7	114.9	66.3	59.9	55.0	51.8	49.4	48.2
410.9	30°	394.1	375.5	274.2	87.2	61.0	54.8	50.3	47.5	45.1	43.9
434.0	32.5°	412.2	387.8	255.6	71.5	56.4	50.1	45.9	43.4	41.2	40.3
464.0	35°	437.3	406.0	239.5	70.2	52.5	46.2	42.1	39.6	37.5	36.8
502.8	37.5°	472.9	435.5	231.0	78.8	49.4	42.8	38.9	36.3	34.3	33.7
552.0	40°	516.9	475.4	235.6	87.4	47.2	39.8	36.0	33.5	31.7	31.0
608.6	42.5°	569.0	524.6	261.0	94.0	45.8	37.2	33.3	30.4	29.3	29.0
672.8	45°	628.9	578.8	299.9	101.1	43.5	34.7	30.6	28.4	27.6	27.4
742.6	47.5°	696.9	638.2	345.0	109.8	41.2	32.4	28.4	27.0	26.3	26.0
815.4	50°	764.4	698.1	391.4	114.7	39.3	30.3	26.7	25.6	25.0	24.8
892.3	52.5°	835.0	759.7	428.9	110.1	37.8	28.6	25.3	24.4	23.8	23.7
963.3	55°	902.4	809.5	435.3	93.5	34.6	26.8	23.7	23.3	22.5	22.5
1035.2	57.5°	960.4	834.5	389.7	68.6	31.4	24.3	22.1	21.7	21.1	21.0
1100.1	60°	1013.6	827.3	300.8	46.2	28.0	21.7	20.1	19.8	19.2	18.5
1156.5	62.5°	1043.7	795.7	205.7	30.2	24.6	19.0	17.8	17.7	16.4	14.9
1198.3	65°	1055.0	730.8	128.4	22.0	20.5	16.2	15.4	15.1	13.2	11.6
1222.0	67.5°	1045.1	624.0	64.8	17.4	16.2	13.5	12.6	12.6	11.3	9.9
1220.5	70°	1005.5	467.8	27.3	13.9	12.5	10.3	10.3	10.9	9.6	8.0
1157.2	72.5°	919.5	314.7	14.5	10.6	9.3	7.3	8.5	8.9	7.6	6.0
947.2	75°	730.9	192.0	10.1	7.9	5.9	5.2	6.5	6.7	5.2	4.0
649.4	77.5°	499.9	110.3	6.7	5.0	3.7	3.0	4.5	4.2	2.7	1.9
250.4	80°	219.5	45.9	3.9	2.3	1.4	1.1	1.6	1.1	0.9	0.6
34.3	82.5°	25.7	10.8	1.4	0.9	0.6	0.3	0.1	0.0	0.0	0.0
10.5	85°	5.3	1.3	0.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0
1.9	87.5°	1.0	0.3	0.1	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>
257.6
250.3
239.2
206.0
149.9
96.9
77.7
70.8
64.2
57.7
52.1
48.2
44.1
40.3
36.8
33.6
30.9
29.0
27.3
26.0
24.8
23.7
22.4
20.8
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