

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: P948392

Luminaire Tested: **GALN-SB3B-950-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948392
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-SB3B-950-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9951 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

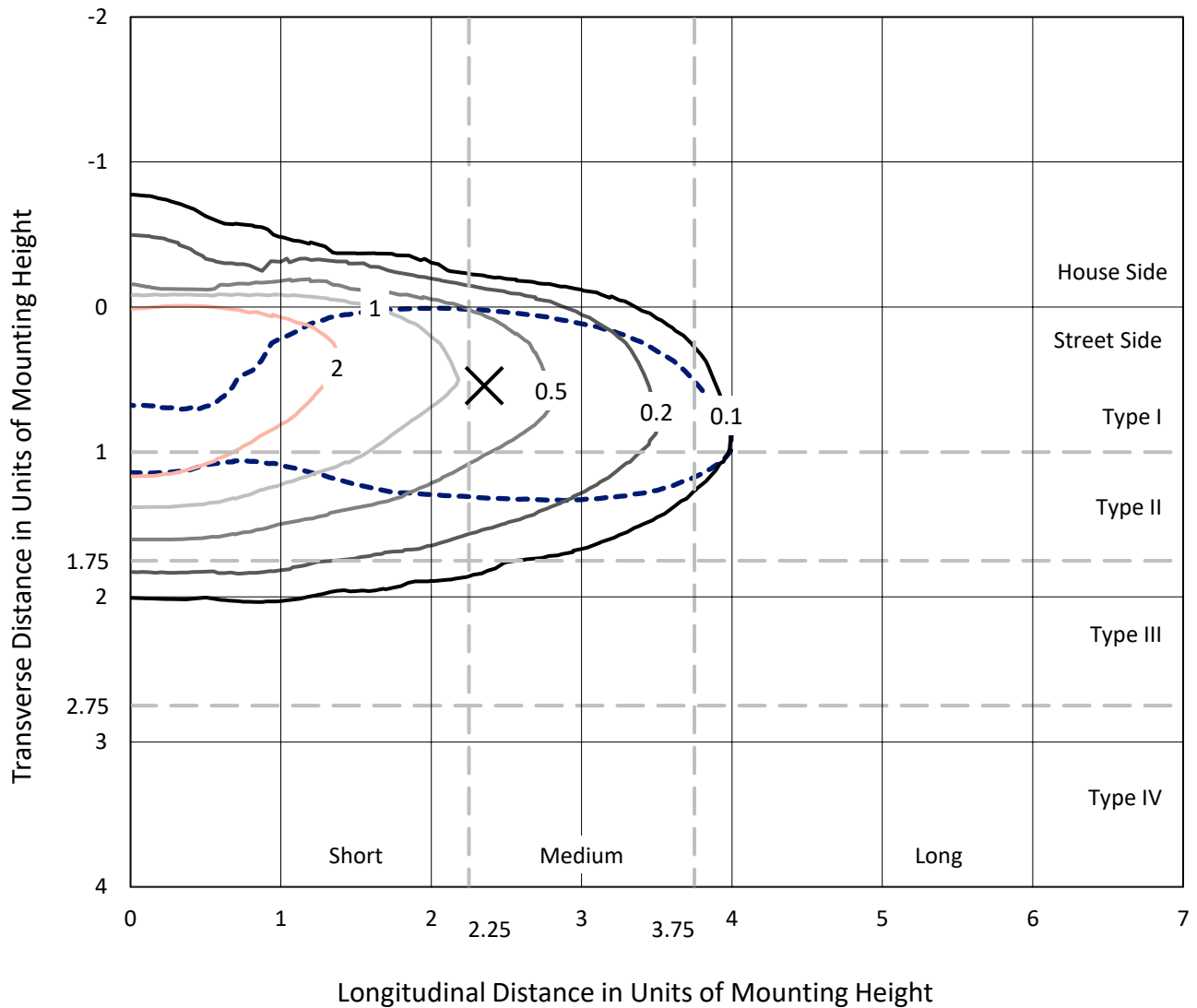
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

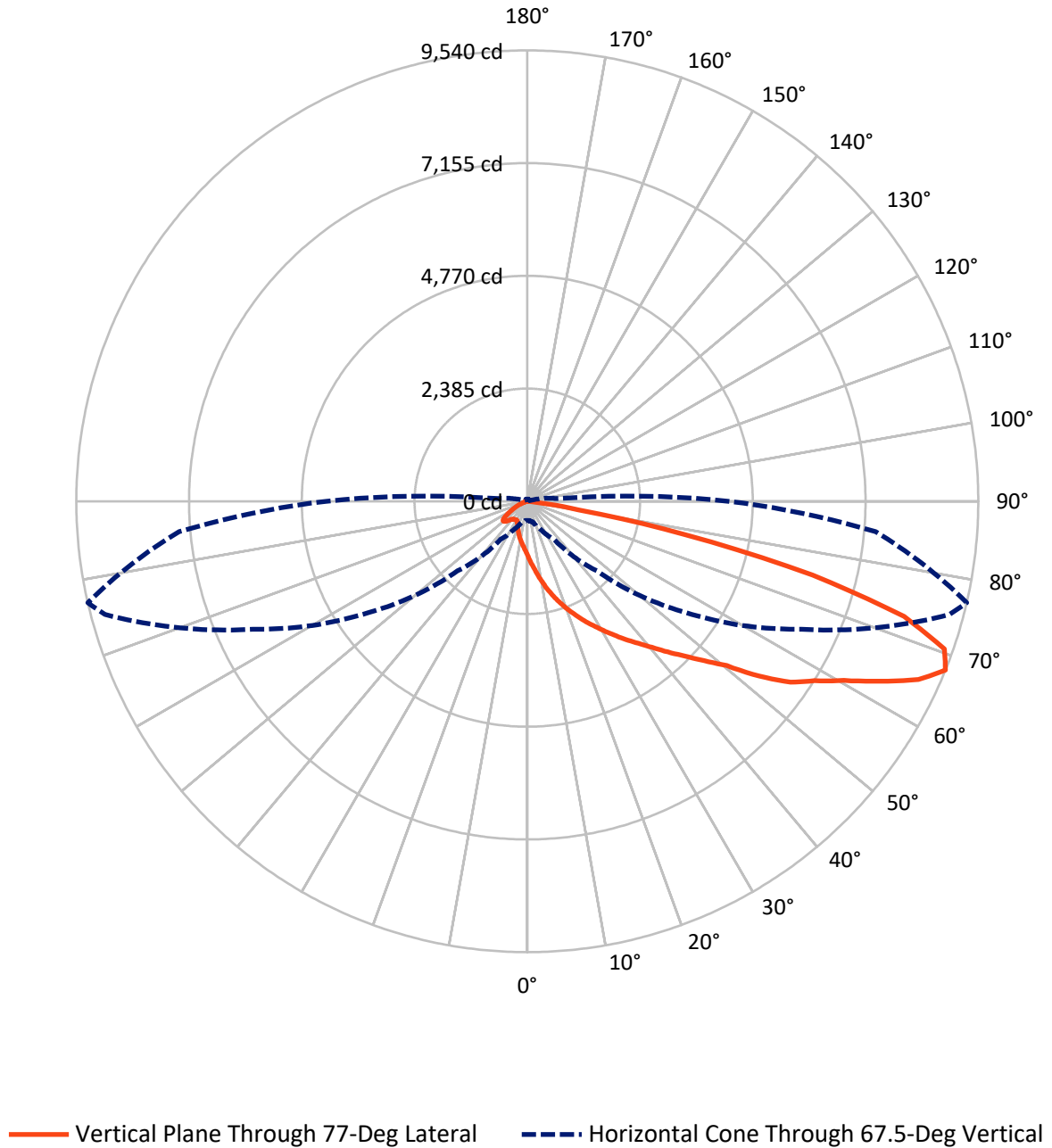
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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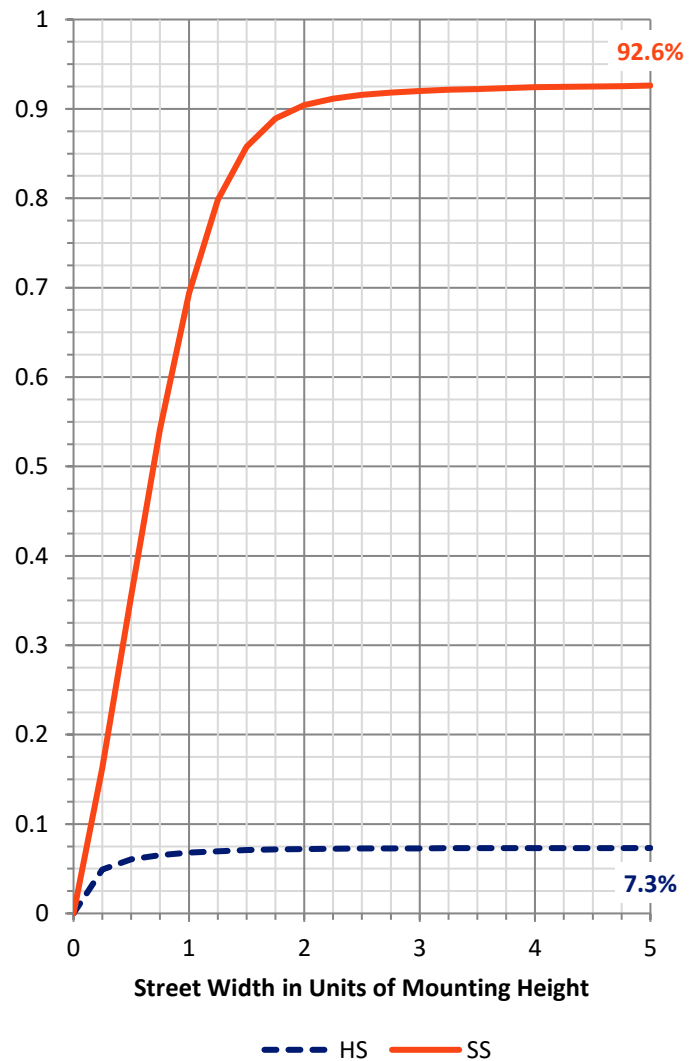
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	732.1	0.0	732.1
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	9218.9	0.0	9218.9
	% Fixture	92.6	0.0	92.6
Total	Lumens	9951.0	0.0	9951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	1.2
10°-20°	410.1	4.1
20°-30°	791.5	8.0
30°-40°	1374.0	13.8
40°-50°	1995.0	20.0
50°-60°	2291.0	23.0
60°-70°	1989.0	20.0
70°-80°	936.9	9.4
80°-90°	46.3	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°	9951.0	100.0
0°-180°	9951.0	100.0

Coefficient of Utilization



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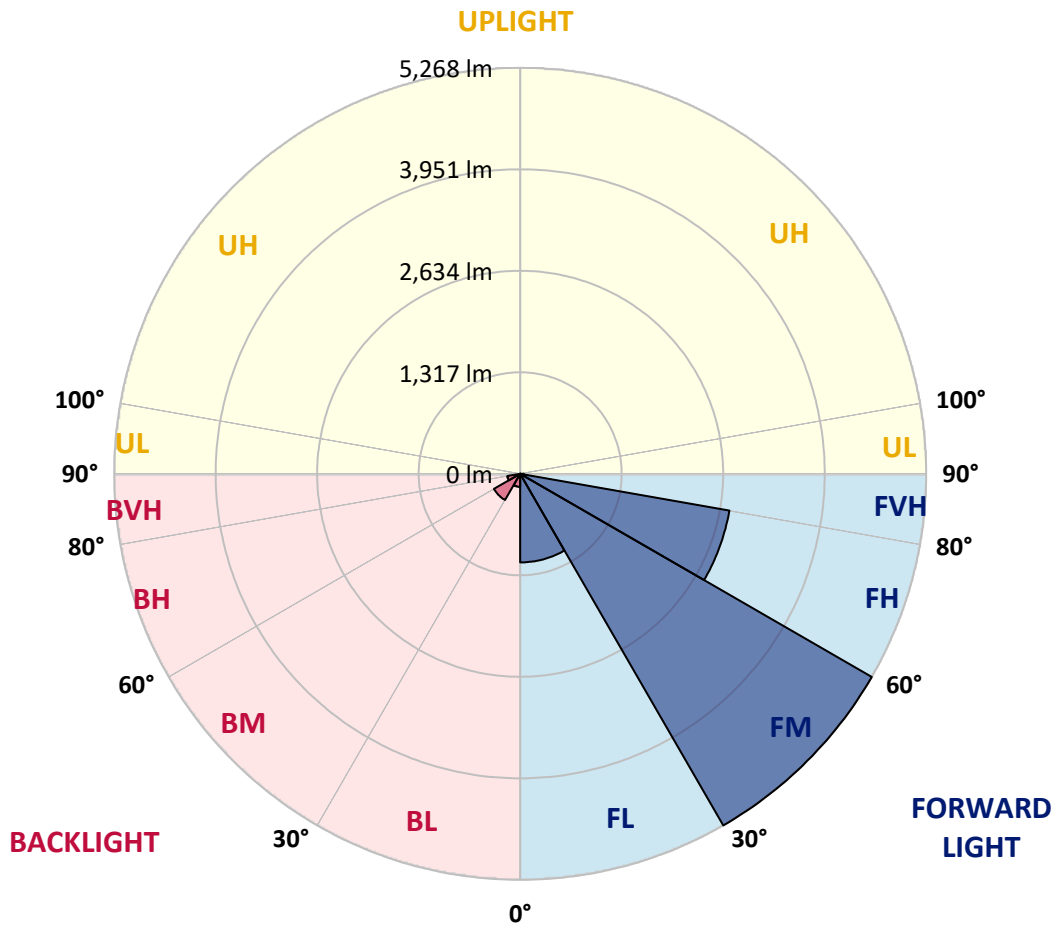
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1149.2	11.5			
FM (30°-60°)	5267.8	52.9			
FH (60°-80°)	2756.4	27.7			G2/5000
FVH (80°-90°)	45.5	0.5			G1/100
BL (0°-30°)	169.5	1.7	B1/500		
BM (30°-60°)	392.3	3.9	B1/1000		
BH (60°-80°)	169.5	1.7	B1/500		G1/500
BVH (80°-90°)	0.9	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1147.5	1147.5	1147.5	1147.5	1147.5	1147.5	1147.5	1147.5	1147.5	1147.5
2.5°	1588.7	1598.6	1584.4	1557.2	1516.4	1489.8	1424.9	1363.8	1295.8	1274.2
5°	1936.6	1945.2	1929.2	1899.5	1845.1	1793.2	1708.0	1580.0	1447.2	1404.6
7.5°	2194.3	2199.2	2193.0	2165.8	2113.9	2055.2	1960.1	1808.7	1611.6	1564.6
10°	2379.6	2395.7	2393.9	2383.4	2348.8	2301.2	2199.8	2027.4	1795.7	1735.1
12.5°	2502.6	2520.5	2531.0	2554.5	2552.7	2522.4	2433.4	2251.1	1979.2	1908.2
15°	2538.5	2557.6	2597.8	2652.2	2700.4	2715.8	2653.4	2470.5	2181.3	2090.5
17.5°	2518.1	2547.7	2595.9	2681.8	2787.5	2857.3	2850.5	2682.4	2364.8	2261.0
20°	2563.2	2591.6	2629.3	2701.6	2824.6	2951.2	3001.9	2885.1	2547.1	2438.4
22.5°	2812.8	2807.9	2811.6	2823.3	2896.9	3022.3	3126.7	3069.3	2727.5	2616.3
25°	3208.3	3186.0	3148.4	3084.7	3066.2	3126.7	3235.5	3232.4	2917.9	2798.6
27.5°	3661.9	3658.1	3569.8	3416.5	3330.0	3306.5	3358.5	3391.2	3106.3	2979.0
30°	4096.3	4106.1	3986.9	3816.3	3657.5	3565.5	3518.5	3542.0	3297.9	3173.7
32.5°	4474.4	4484.9	4355.2	4155.6	3959.1	3847.9	3749.0	3690.9	3506.8	3371.4
35°	4793.9	4804.4	4655.5	4434.9	4225.4	4124.7	4012.8	3854.0	3716.9	3590.8
37.5°	5079.4	5076.3	4876.7	4654.3	4448.5	4368.8	4310.1	4054.9	3933.1	3811.4
40°	5248.1	5261.1	5090.5	4845.2	4645.6	4587.5	4583.8	4303.9	4182.8	4064.7
42.5°	5297.5	5320.4	5196.8	4995.3	4814.3	4751.3	4848.3	4573.3	4473.2	4358.3
45°	5208.5	5230.8	5174.5	5034.9	4929.2	4888.4	5075.7	4852.6	4783.4	4669.7
47.5°	4949.0	4976.8	4990.4	4960.7	4959.5	5000.9	5279.6	5146.7	5151.7	5035.5
50°	4446.6	4493.6	4618.4	4723.5	4886.0	5089.9	5478.0	5465.6	5566.9	5466.8
52.5°	3533.3	3600.1	4030.1	4317.5	4682.7	5073.2	5696.1	5977.2	6295.5	6149.0
55°	2839.4	2839.4	3189.1	3726.7	4286.0	4963.2	5791.2	6309.7	6791.7	6757.1
57.5°	2314.8	2342.6	2565.6	3040.8	3711.9	4701.2	5849.9	6518.5	7191.5	7166.1
60°	1428.7	1488.6	1910.0	2379.0	3058.8	4234.7	5812.9	6729.9	7676.5	7696.9
62.5°	804.5	826.8	1014.6	1711.7	2378.4	3607.5	5529.2	6847.9	8297.0	8383.5
65°	555.5	566.6	638.9	1065.3	1648.6	2872.1	4975.0	6774.4	8918.6	9093.5
67.5°	403.5	409.1	454.2	650.7	978.2	2082.4	4106.1	6403.6	9247.9	9540.2
70°	310.2	313.9	346.7	427.6	577.8	1285.3	2982.1	5666.4	9009.4	9358.6
72.5°	252.1	255.8	281.2	316.4	383.1	760.1	1807.4	4601.7	7956.5	8333.4
75°	212.6	217.5	240.4	263.2	300.3	488.2	847.8	3204.6	5983.4	6230.6
77.5°	118.0	108.8	195.3	218.1	253.4	309.0	396.7	1885.9	3351.0	3419.6
80°	73.5	76.0	155.1	175.5	194.6	155.7	181.7	726.1	1161.7	1103.6
82.5°	4.3	9.9	119.3	126.7	133.5	66.7	68.6	246.6	279.9	257.1
85°	0.0	0.0	54.4	43.9	46.3	19.2	19.8	57.5	37.7	40.8
87.5°	0.0	0.0	0.0	1.2	0.0	1.9	3.7	4.9	1.9	2.5
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°
1147.5	0°	1147.5	1147.5	1147.5	1147.5	1147.5	1147.5	1147.5	1147.5	1147.5	1147.5
1206.2	2.5°	1162.9	1119.7	1031.9	946.1	876.2	811.3	765.0	721.1	698.9	697.6
1284.1	5°	1198.2	1107.3	931.8	776.7	651.9	551.8	486.9	440.6	417.1	409.1
1379.8	7.5°	1247.6	1111.0	844.1	628.4	481.4	395.5	358.4	343.6	338.6	333.1
1488.0	10°	1310.0	1119.7	765.6	506.1	379.4	336.2	321.3	315.1	311.4	307.7
1609.7	12.5°	1379.8	1127.7	687.8	420.2	333.7	311.4	300.9	293.5	288.6	284.2
1734.5	15°	1447.8	1132.7	606.8	360.3	310.2	292.3	281.2	273.1	266.3	261.4
1856.9	17.5°	1515.2	1139.5	530.8	324.4	291.0	273.1	262.0	252.1	246.6	241.0
1985.4	20°	1589.9	1138.2	459.1	299.1	271.9	254.0	242.2	233.0	227.4	221.2
2121.4	22.5°	1659.1	1132.0	396.1	277.5	252.1	234.8	221.8	212.6	207.0	202.1
2260.4	25°	1738.9	1127.1	343.6	257.7	233.6	216.3	202.1	193.4	187.2	182.9
2400.0	27.5°	1815.5	1119.7	305.3	239.8	215.7	199.0	185.4	175.5	169.9	166.8
2544.0	30°	1890.9	1117.8	291.0	222.5	199.6	182.9	169.3	160.0	155.7	154.5
2702.2	32.5°	1981.7	1122.8	297.2	216.3	184.8	168.1	155.1	148.3	144.0	144.0
2878.3	35°	2078.7	1121.5	306.5	221.8	174.9	153.2	143.4	139.0	134.7	134.7
3073.6	37.5°	2200.4	1123.4	313.9	231.1	171.2	140.9	135.3	129.8	127.3	127.3
3287.4	40°	2382.1	1184.6	310.2	239.1	169.9	132.2	121.1	119.3	117.4	117.4
3529.0	42.5°	2604.6	1317.4	315.1	239.8	169.3	126.1	111.2	114.9	110.6	110.0
3801.5	45°	2848.0	1462.6	346.7	226.8	168.7	123.0	106.3	110.6	103.8	103.8
4117.3	47.5°	3089.7	1606.6	378.8	208.2	166.8	122.4	102.0	99.5	97.6	98.3
4528.8	50°	3422.7	1724.0	391.1	182.9	162.5	121.1	93.9	94.5	93.3	94.5
5109.0	52.5°	3785.4	1748.7	376.3	154.5	150.2	117.4	88.4	90.8	90.2	91.5
5517.5	55°	4011.6	1722.2	310.8	128.5	131.0	102.6	82.8	87.7	87.7	87.7
5916.7	57.5°	4245.2	1609.1	220.6	104.4	108.8	84.0	77.9	84.7	84.0	83.4
6397.4	60°	4413.3	1426.2	145.2	85.9	86.5	69.2	72.3	79.7	79.1	76.0
6893.0	62.5°	4538.7	1224.1	93.3	72.9	66.1	62.4	66.1	72.3	69.8	63.0
7313.2	65°	4524.5	944.2	71.7	62.4	54.4	54.4	57.5	63.0	55.6	44.5
7393.5	67.5°	4260.6	638.9	59.3	52.5	45.7	45.1	47.6	52.5	47.6	37.7
6982.0	70°	3789.1	417.7	47.6	40.8	36.5	33.4	38.3	45.1	40.2	30.3
5943.9	72.5°	3075.4	254.6	35.8	29.7	26.6	21.6	30.3	37.1	32.1	22.2
4133.3	75°	1989.7	129.8	24.7	19.2	14.2	13.0	22.2	27.8	22.2	13.6
1834.0	77.5°	761.3	54.4	13.6	8.7	7.4	6.2	12.4	16.7	9.3	3.1
355.3	80°	146.4	22.9	6.8	4.3	3.7	2.5	1.9	1.2	0.0	0.0
63.0	82.5°	25.3	7.4	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
12.4	85°	8.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.3	87.5°	3.1	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>
1147.5
696.4
407.8
331.8
306.5
283.0
260.8
240.4
220.6
201.4
182.3
166.8
153.9
144.0
134.7
127.3
117.4
109.4
103.8
98.3
94.5
91.5
87.7
83.4
76.0
61.8
43.3
36.5
29.0
21.0
11.7
2.5
0.0
0.0
0.0
0.0
0.0

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