

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: P947064

Luminaire Tested: **GALN-SB2C-740-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947064  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB2C-740-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

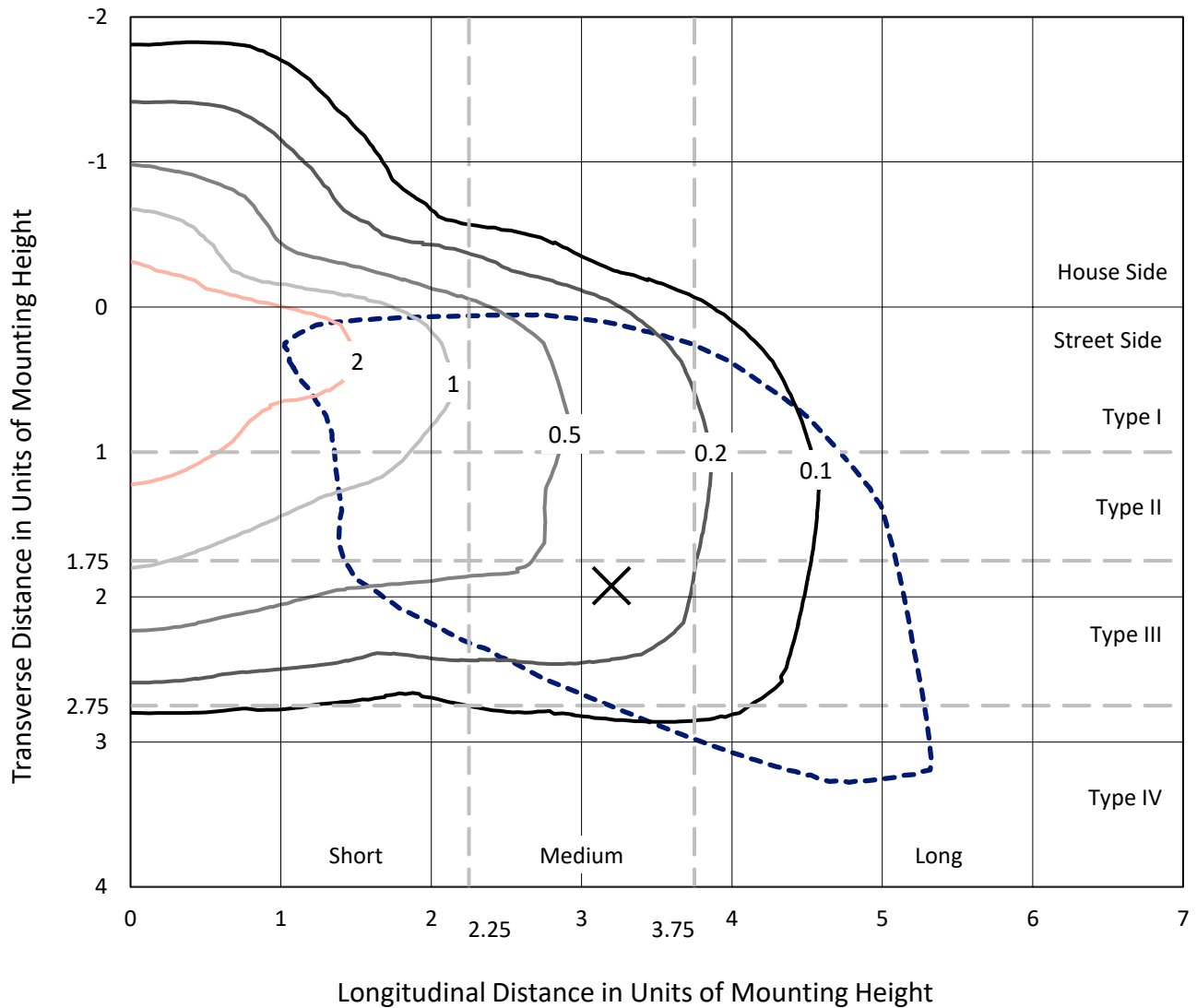
Lumens per Lamp: N/A  
Luminaire Lumens: 15486 lumens  
Efficiency: N/A  
Efficacy: 153.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

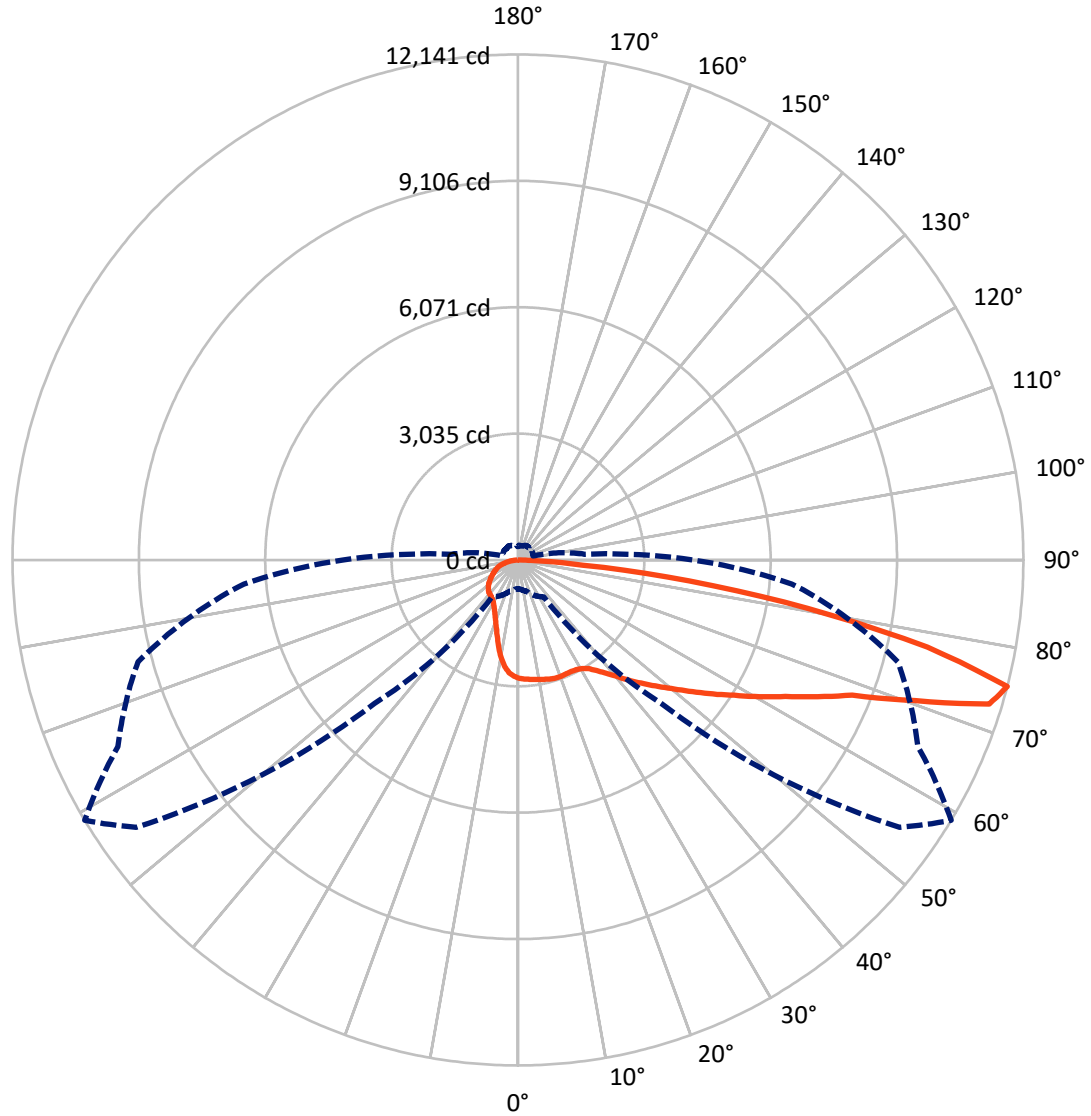
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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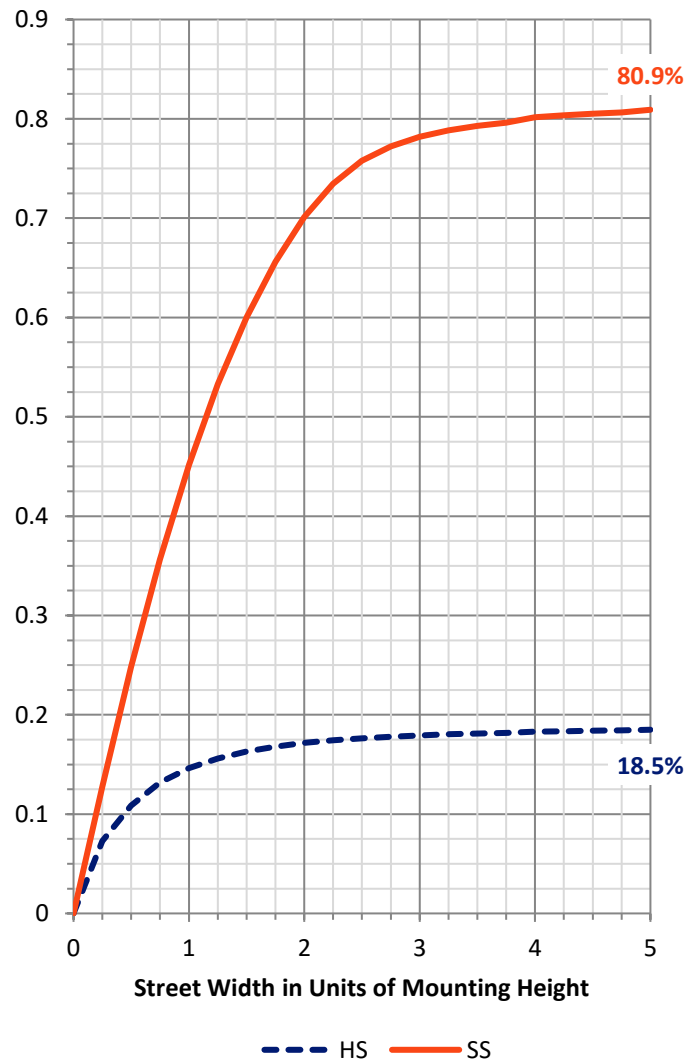
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2904.5	0.0	2904.5
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	12581.5	0.0	12581.5
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	15486.0	0.0	15486.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.9	1.6
10°-20°	651.5	4.2
20°-30°	989.5	6.4
30°-40°	1470.9	9.5
40°-50°	2187.5	14.1
50°-60°	2969.2	19.2
60°-70°	3625.0	23.4
70°-80°	2844.8	18.4
80°-90°	492.8	3.2
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°	15486.0	100.0
0°-180°	15486.0	100.0

**Coefficient of Utilization**



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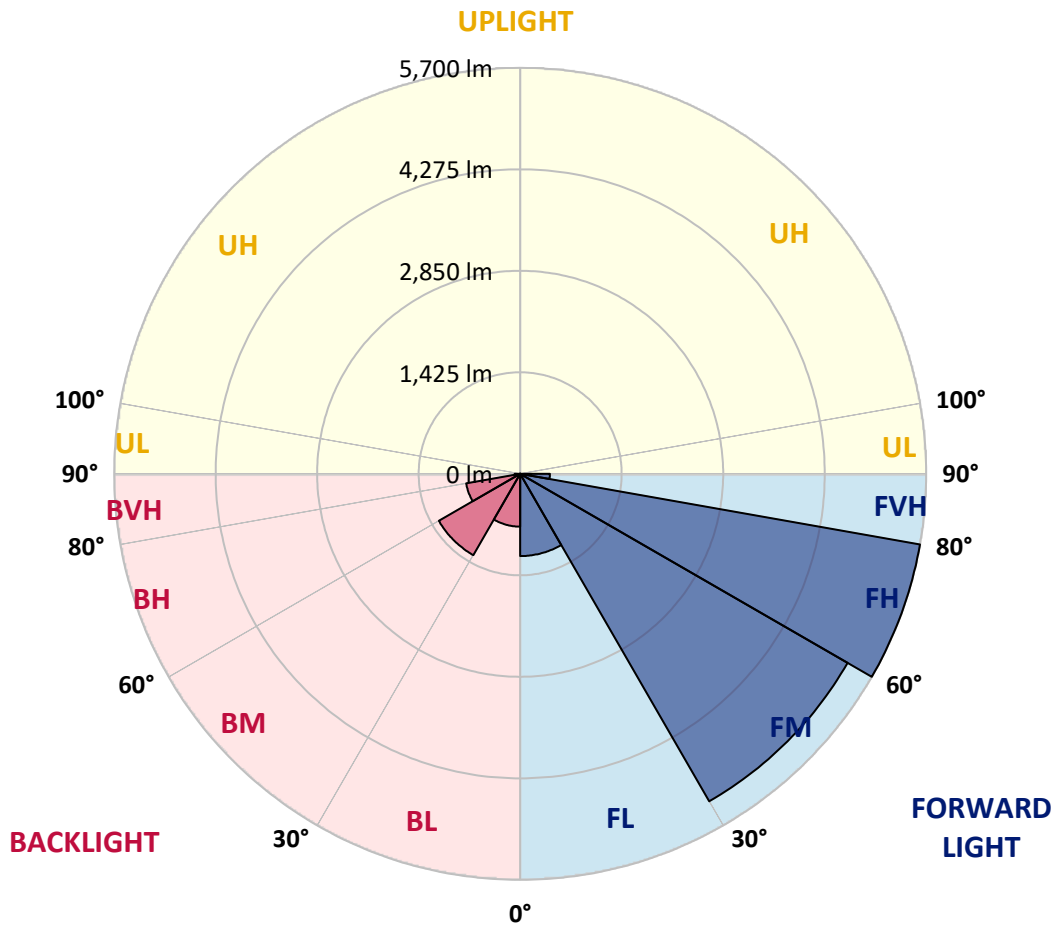
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1154.6	7.5			
FM (30°-60°)	5309.2	34.3			
FH (60°-80°)	5700.2	36.8			G3/7500
FVH (80°-90°)	417.4	2.7			G3/500
BL (0°-30°)	741.2	4.8	B2/1000		
BM (30°-60°)	1318.4	8.5	B2/2500		
BH (60°-80°)	769.5	5.0	B2/1000		G2/1000
BVH (80°-90°)	75.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	2842.4	2842.4	2842.4	2842.4	2842.4	2842.4	2842.4	2842.4	2842.4	2842.4
2.5°	2866.6	2856.6	2866.6	2862.4	2860.7	2857.4	2858.2	2864.1	2860.7	2864.9
5°	2847.4	2841.6	2851.6	2849.1	2859.9	2861.6	2872.4	2879.1	2883.2	2884.1
7.5°	2815.8	2809.9	2824.1	2835.8	2859.1	2865.7	2888.2	2899.1	2904.9	2914.9
10°	2700.0	2697.5	2732.5	2776.6	2831.6	2865.7	2899.9	2918.2	2927.4	2954.1
12.5°	2495.0	2498.4	2544.2	2629.2	2739.1	2849.1	2913.2	2939.9	2954.1	2987.4
15°	2299.3	2298.4	2348.4	2439.2	2593.3	2775.8	2919.9	2965.7	2989.9	3039.0
17.5°	2186.0	2182.6	2217.6	2286.8	2430.1	2663.3	2903.2	2979.9	3031.5	3093.2
20°	2165.1	2158.5	2176.8	2211.0	2312.6	2540.0	2859.9	2979.9	3064.8	3144.8
22.5°	2240.9	2230.1	2222.6	2218.5	2263.4	2438.4	2810.8	2969.9	3114.0	3219.0
25°	2393.4	2376.7	2338.4	2300.9	2287.6	2392.6	2767.4	2967.4	3187.3	3318.9
27.5°	2640.0	2619.2	2541.7	2451.7	2370.9	2415.9	2748.3	2982.4	3268.1	3424.7
30°	2945.7	2923.2	2825.8	2687.5	2542.5	2502.5	2772.4	3026.5	3371.4	3565.5
32.5°	3219.8	3194.8	3111.5	2970.7	2774.9	2652.5	2849.1	3110.7	3533.9	3761.3
35°	3463.1	3433.9	3358.9	3229.0	3059.9	2863.2	2987.4	3259.8	3764.6	4079.5
37.5°	3701.3	3667.2	3585.5	3448.1	3329.8	3144.0	3178.1	3451.4	4071.2	4466.1
40°	3967.9	3918.7	3819.6	3683.8	3568.9	3473.1	3428.9	3686.3	4382.8	4897.6
42.5°	4226.1	4179.5	4061.2	3945.4	3801.3	3773.8	3719.6	3961.2	4723.5	5371.6
45°	4504.4	4448.6	4305.3	4158.7	4067.9	3973.7	4001.2	4236.1	5057.5	5854.8
47.5°	4765.1	4702.7	4533.5	4370.3	4320.3	4142.0	4259.5	4538.5	5404.9	6344.6
50°	4905.9	4844.3	4703.5	4556.0	4516.9	4349.4	4539.4	4870.9	5769.0	6832.8
52.5°	5023.4	4956.7	4772.6	4691.0	4679.3	4575.2	4884.3	5250.8	6133.0	7264.3
55°	5148.3	5074.2	4839.3	4766.0	4819.3	4828.4	5293.3	5681.5	6517.9	7685.0
57.5°	5292.5	5198.3	4903.4	4829.3	4955.9	5125.0	5763.1	6128.0	6896.1	8074.9
60°	5428.3	5333.3	5026.7	4930.1	5103.4	5469.1	6302.1	6668.7	7324.3	8422.3
62.5°	5454.9	5376.6	5125.0	5124.2	5303.3	5870.6	6940.3	7214.4	7698.4	8765.5
65°	4993.4	4944.2	4795.1	5116.7	5589.9	6448.8	7650.9	7912.5	8174.0	9065.4
67.5°	3800.4	3807.1	3796.3	4416.9	5358.3	7279.3	8679.7	8659.7	8761.4	9402.0
70°	1737.8	1776.9	2031.8	3049.0	4292.8	7375.1	10380.8	10121.8	9498.6	9837.7
72.5°	938.9	968.9	1073.0	1477.0	2580.8	6557.1	11652.1	11836.2	10479.1	10130.9
75°	688.9	705.6	778.1	938.9	1083.8	4873.4	11196.4	12141.1	10601.6	9447.0
77.5°	515.7	523.2	582.3	743.9	554.8	2569.2	8946.3	10055.1	9075.4	7761.7
80°	374.0	382.4	426.5	558.2	389.0	939.7	6143.0	7057.7	6215.5	4947.6
82.5°	258.3	261.6	280.7	379.9	271.6	364.9	3485.5	4138.7	3469.7	1736.1
85°	155.8	159.9	168.3	221.6	154.1	173.3	1504.5	1556.2	1037.2	414.9
87.5°	64.1	68.3	75.0	93.3	60.8	48.3	248.3	311.6	194.1	121.6
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°
2842.4	0°	2842.4	2842.4	2842.4	2842.4	2842.4	2842.4	2842.4	2842.4	2842.4	2842.4
2850.8	2.5°	2846.6	2840.8	2824.9	2803.3	2783.3	2758.3	2747.5	2738.3	2730.0	2714.1
2873.2	5°	2864.1	2848.3	2805.8	2750.8	2688.3	2620.0	2553.3	2507.5	2468.4	2439.2
2899.1	7.5°	2890.7	2860.7	2783.3	2670.8	2527.5	2380.9	2248.4	2154.3	2083.5	2057.7
2935.7	10°	2918.2	2882.4	2747.5	2549.2	2301.8	2076.0	1900.2	1803.6	1746.9	1728.6
2979.0	12.5°	2950.7	2898.2	2691.6	2380.1	2049.3	1801.9	1648.6	1592.0	1562.8	1552.8
3032.4	15°	2998.2	2911.6	2607.5	2168.5	1808.6	1602.0	1502.9	1463.7	1448.7	1447.9
3087.3	17.5°	3034.0	2914.1	2476.7	1941.9	1623.6	1481.2	1399.6	1384.6	1394.6	1409.5
3141.5	20°	3074.0	2891.6	2305.1	1735.3	1493.7	1375.4	1341.2	1351.2	1375.4	1397.1
3213.1	22.5°	3102.3	2850.8	2097.7	1574.5	1381.2	1314.6	1312.9	1333.7	1347.1	1357.9
3297.3	25°	3127.3	2781.6	1877.7	1439.5	1288.8	1277.9	1296.3	1289.6	1280.4	1289.6
3381.4	27.5°	3145.7	2672.5	1681.1	1321.2	1223.8	1252.9	1242.1	1227.1	1226.3	1231.3
3480.5	30°	3139.8	2526.7	1519.5	1208.8	1178.0	1206.3	1180.5	1178.0	1175.5	1178.0
3629.7	32.5°	3139.8	2360.9	1395.4	1131.3	1148.8	1138.0	1135.5	1129.6	1119.6	1118.8
3832.1	35°	3157.3	2195.1	1288.8	1089.7	1124.6	1098.8	1100.5	1086.3	1065.5	1055.5
4100.4	37.5°	3193.1	2061.8	1183.0	1069.7	1082.2	1081.3	1074.7	1050.5	1013.8	982.2
4435.2	40°	3279.8	2022.7	1110.5	1060.5	1062.2	1072.2	1054.7	1008.0	924.7	873.1
4775.1	42.5°	3415.6	2088.5	1094.6	1038.0	1048.8	1058.8	1024.7	916.4	857.2	826.4
5131.7	45°	3588.0	2203.5	1128.8	1005.5	1017.2	1034.7	933.0	881.4	854.7	855.6
5484.9	47.5°	3806.3	2324.3	1192.1	977.2	971.4	981.4	872.2	840.6	803.9	813.1
5824.0	50°	4058.7	2446.7	1252.1	938.9	920.5	888.0	833.1	803.1	756.4	734.8
6151.4	52.5°	4331.9	2565.0	1276.3	892.2	865.6	828.1	806.4	769.8	713.1	677.3
6460.4	55°	4591.0	2672.5	1249.6	836.4	810.6	781.4	778.1	755.6	694.8	644.8
6735.3	57.5°	4835.9	2762.4	1183.0	779.7	754.8	737.3	759.8	748.9	672.3	608.1
6995.3	60°	5043.4	2824.1	1086.3	722.3	704.8	695.6	729.8	726.4	640.6	569.0
7228.5	62.5°	5208.3	2848.3	979.7	667.3	663.1	646.5	688.1	688.1	600.6	530.7
7433.4	65°	5337.5	2824.9	871.4	613.1	621.5	596.5	637.3	632.3	558.2	496.5
7669.2	67.5°	5451.6	2748.3	751.4	559.8	579.0	547.3	584.0	572.3	511.5	462.4
7873.3	70°	5502.4	2570.0	614.8	506.5	529.8	499.0	530.7	509.0	459.0	425.7
7649.2	72.5°	5094.2	2136.0	484.0	450.7	470.7	445.7	473.2	448.2	402.4	387.4
6605.4	75°	4214.5	1602.8	372.4	389.9	404.9	385.7	404.0	385.7	344.1	354.9
4879.3	77.5°	3060.7	1082.2	284.9	325.7	332.4	322.4	338.2	317.4	279.9	277.4
2431.7	80°	1522.0	634.0	223.3	257.4	254.9	248.3	266.6	256.6	224.9	238.3
656.5	82.5°	440.7	271.6	162.4	180.8	175.8	177.4	190.8	195.8	293.2	290.7
204.1	85°	138.3	106.6	97.5	100.8	95.8	98.3	112.5	223.3	206.6	120.8
63.3	87.5°	35.8	36.7	24.2	25.8	26.7	31.7	35.8	135.8	65.0	42.5
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>
2842.4
2706.6
2415.1
2012.7
1700.3
1555.3
1451.2
1415.4
1404.5
1363.7
1295.4
1239.6
1187.1
1129.6
1065.5
993.0
879.7
826.4
859.7
836.4
740.6
676.4
644.8
604.8
566.5
528.2
493.2
459.0
419.0
374.9
<i>324.1</i>
264.9
235.8
297.4
130.8
45.0
0.0

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