

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: P948524

Luminaire Tested: **GALN-SB3C-750-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948524  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-750-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

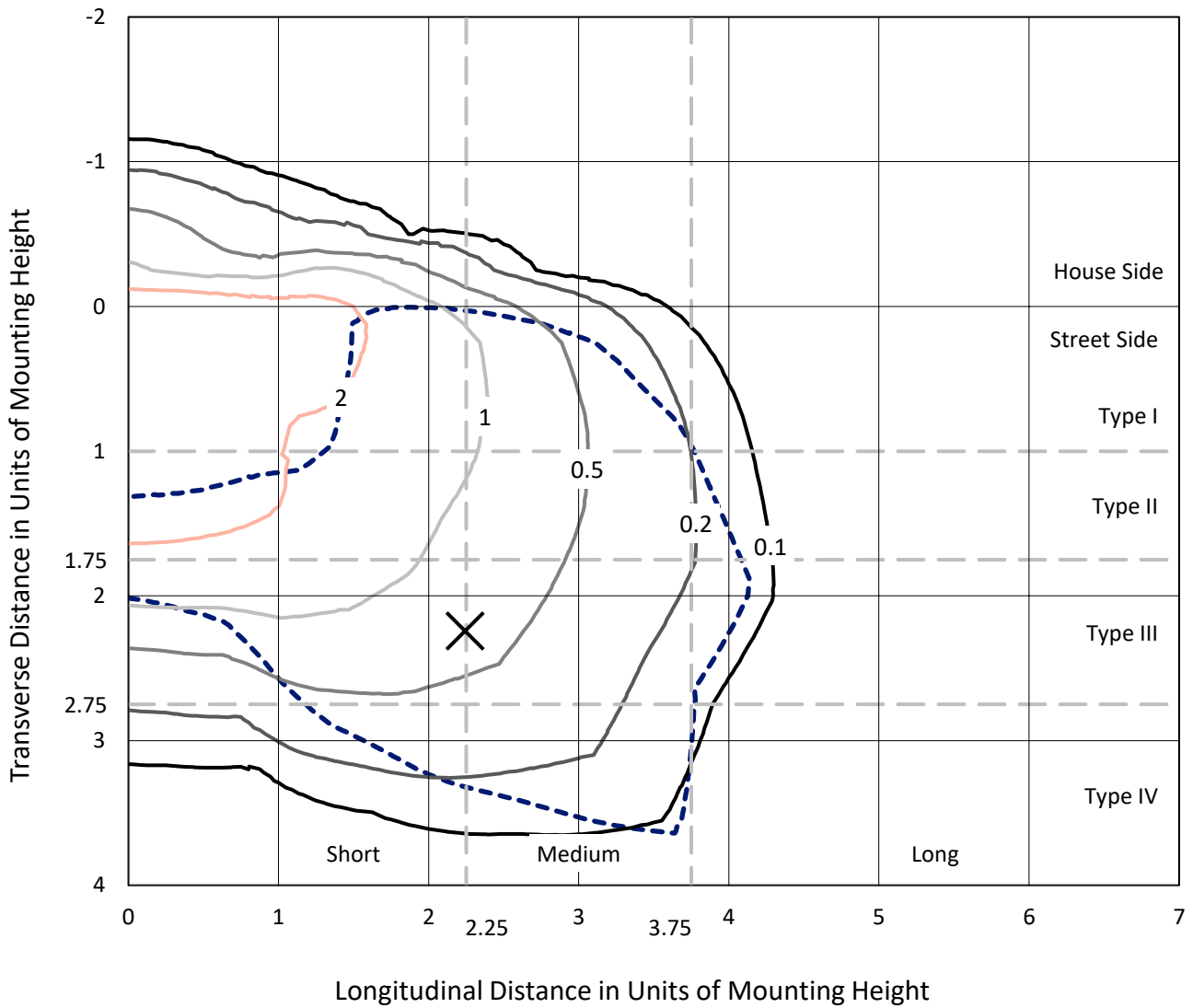
Lumens per Lamp: N/A  
Luminaire Lumens: 18312 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

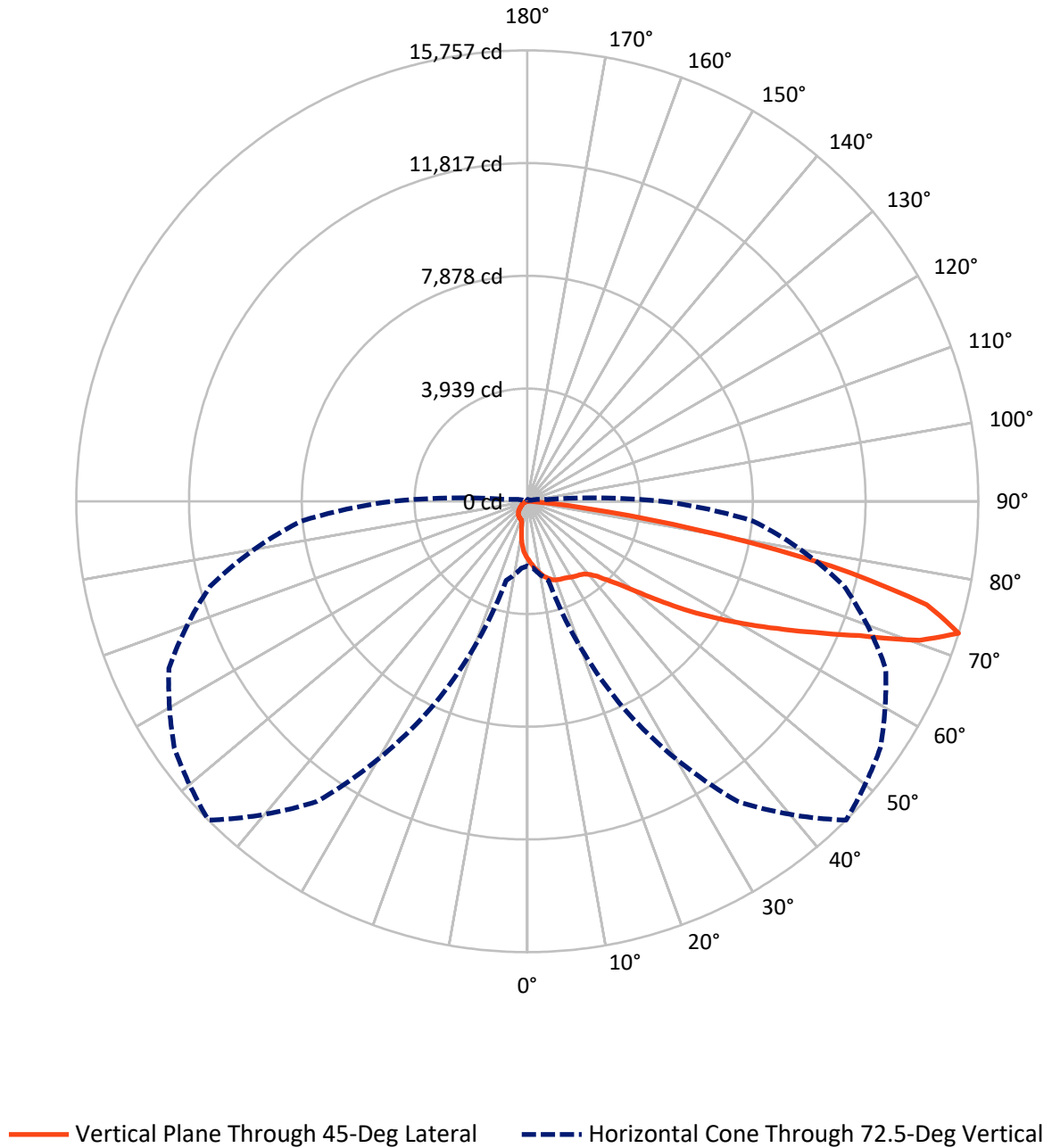
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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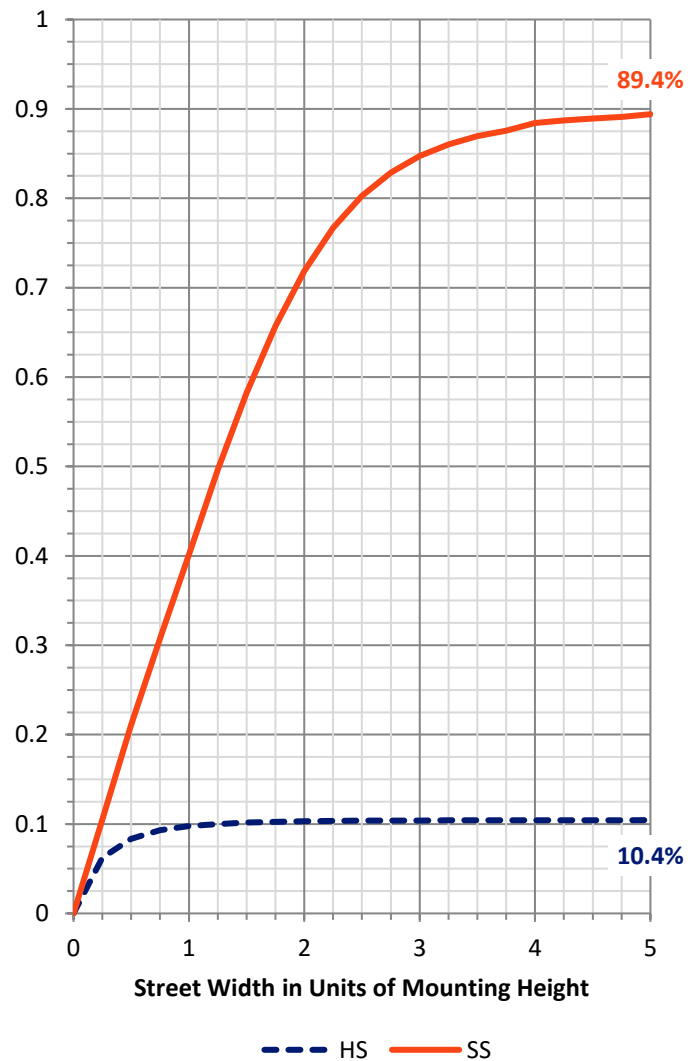
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1924.1	0.0	1924.1
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	16387.9	0.0	16387.9
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	18312.0	0.0	18312.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.0	1.0
10°-20°	552.4	3.0
20°-30°	907.2	5.0
30°-40°	1286.6	7.0
40°-50°	2126.5	11.6
50°-60°	3820.1	20.9
60°-70°	5304.4	29.0
70°-80°	3847.6	21.0
80°-90°	278.2	1.5
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°	18312.0	100.0
0°-180°	18312.0	100.0

**Coefficient of Utilization**



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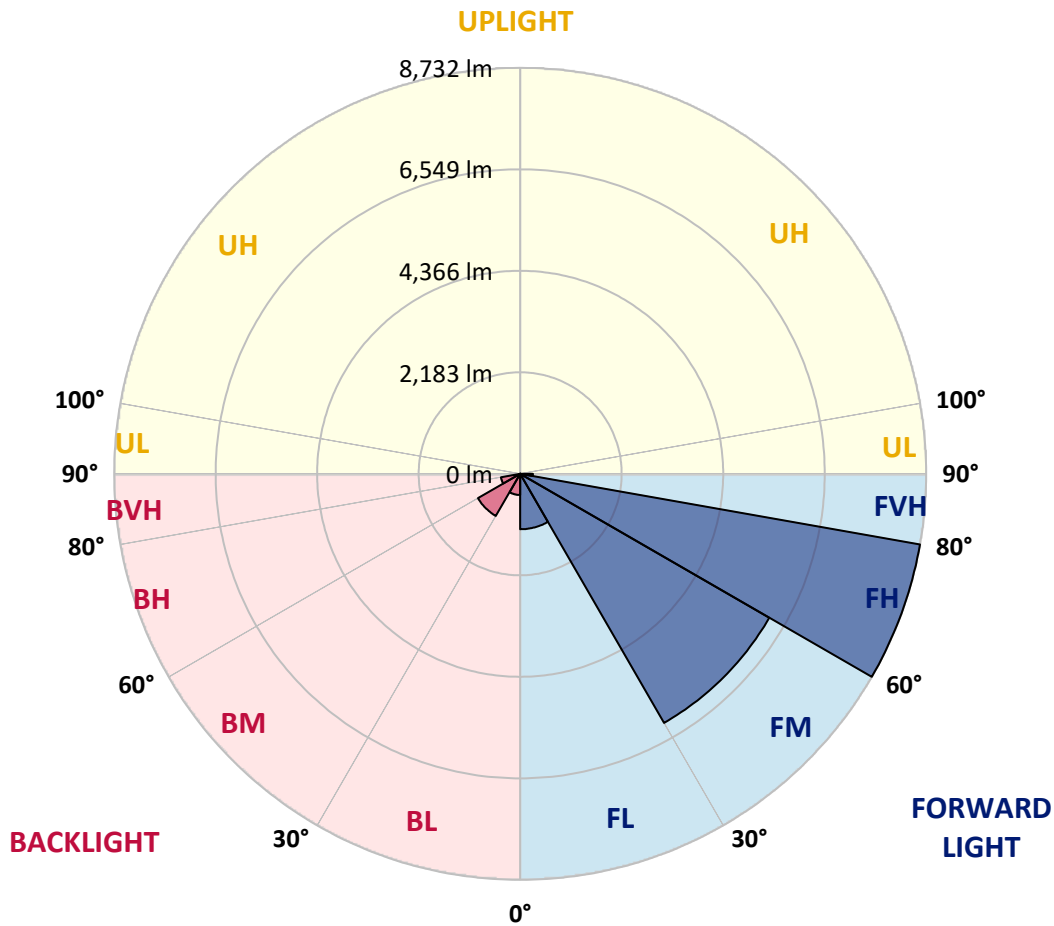
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1192.8	6.5			
FM (30°-60°)	6186.8	33.8			
FH (60°-80°)	8732.5	47.7			G4/12000
FVH (80°-90°)	275.8	1.5			G3/500
BL (0°-30°)	455.7	2.5	B1/500		
BM (30°-60°)	1046.4	5.7	B2/2500		
BH (60°-80°)	419.6	2.3	B1/500		G1/500
BVH (80°-90°)	2.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1
2.5°	2191.1	2194.9	2192.4	2177.4	2152.4	2138.6	2131.1	2106.1	2089.9	2061.1
5°	2392.3	2407.3	2398.6	2368.6	2321.1	2287.4	2277.4	2226.1	2179.9	2126.1
7.5°	2606.1	2613.6	2597.3	2558.6	2494.8	2437.3	2428.6	2357.3	2283.6	2201.1
10°	2791.1	2799.8	2774.8	2718.6	2646.1	2574.8	2562.3	2483.6	2396.1	2294.8
12.5°	2946.1	2954.8	2922.3	2854.8	2774.8	2701.1	2688.6	2606.1	2509.8	2397.3
15°	3063.5	3079.8	3036.1	2963.6	2877.3	2803.6	2797.3	2716.1	2622.3	2497.3
17.5°	3132.3	3148.5	3107.3	3019.8	2946.1	2883.6	2876.1	2808.6	2721.1	2601.1
20°	3143.5	3158.5	3114.8	3038.6	2977.3	2927.3	2923.6	2874.8	2811.1	2696.1
22.5°	3109.8	3128.5	3088.5	3027.3	2984.8	2958.6	2953.6	2926.1	2889.8	2792.3
25°	3074.8	3089.8	3059.8	3006.1	2983.6	2981.1	2984.8	2979.8	2972.3	2889.8
27.5°	3072.3	3088.5	3054.8	3003.6	2991.1	3017.3	3021.1	3044.8	3051.1	2978.6
30°	3093.5	3104.8	3072.3	3018.6	3012.3	3072.3	3073.5	3116.0	3126.0	3053.5
32.5°	3139.8	3152.3	3119.8	3041.1	3032.3	3116.0	3119.8	3176.0	3192.3	3133.5
35°	3248.5	3263.5	3226.0	3103.5	3072.3	3157.3	3168.5	3234.8	3267.3	3218.5
37.5°	3519.8	3476.0	3424.8	3229.8	3163.5	3222.3	3241.0	3318.5	3376.0	3319.8
40°	4193.5	4056.0	3896.0	3444.8	3323.5	3361.0	3376.0	3453.5	3532.3	3477.3
42.5°	5204.7	5042.2	4784.7	3939.7	3564.8	3583.5	3594.8	3662.3	3773.5	3729.8
45°	6105.8	6047.1	5784.6	4784.7	4016.0	3923.5	3937.2	3972.2	4136.0	4119.7
47.5°	6798.3	6764.6	6562.1	5754.6	4778.4	4339.7	4378.5	4394.7	4630.9	4688.4
50°	7330.8	7318.3	7137.0	6617.1	5774.6	4953.4	4967.2	4932.2	5285.9	5428.4
52.5°	7833.2	7875.7	7742.0	7418.3	6838.3	5757.1	5754.6	5589.6	6067.1	6282.1
55°	8287.0	8302.0	8315.7	8235.7	7908.2	6672.1	6648.3	6378.3	6973.3	7195.8
57.5°	8713.2	8719.4	8841.9	9005.7	9021.9	7654.5	7610.8	7287.0	7963.2	8122.0
60°	8999.4	9028.2	9286.9	9741.9	9940.6	8668.2	8644.4	8314.5	8970.7	9044.4
62.5°	8586.9	8761.9	9414.4	10316.8	10808.0	9791.9	9780.6	9470.6	10030.6	9970.6
65°	6950.8	7247.0	8394.4	10705.5	11659.2	11046.8	11063.0	10733.0	11119.3	10924.3
67.5°	4862.2	5174.7	6532.1	10736.8	12610.4	12520.4	12614.2	12096.7	12275.4	11838.0
70°	3362.3	3523.5	4407.2	10064.3	13351.6	14550.3	14547.8	13771.6	13425.4	12254.2
72.5°	2261.1	2344.8	2862.3	7984.5	12806.7	15756.5	15684.0	15051.5	13812.8	11460.5
75°	953.7	1014.9	1324.9	4487.2	10131.8	14415.3	14219.1	13301.6	12272.9	9024.4
77.5°	302.5	328.7	522.5	1606.1	5580.9	10835.5	10628.1	8307.0	8225.7	4527.2
80°	143.7	167.5	293.7	645.0	2196.1	5893.4	5864.6	3768.5	3538.5	1222.4
82.5°	62.5	73.7	162.5	345.0	982.4	2102.4	2144.9	1282.4	1061.2	463.7
85°	20.0	26.2	75.0	158.7	415.0	522.5	516.2	305.0	427.5	252.5
87.5°	0.0	0.0	25.0	36.2	42.5	30.0	33.7	26.2	118.7	70.0
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°
2006.1	0°	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1	2006.1
2031.1	2.5°	2016.1	1996.1	1961.1	1928.6	1899.9	1871.1	1853.6	1828.6	1826.1	1826.1
2063.6	5°	2029.9	1997.4	1934.9	1868.6	1792.4	1719.9	1647.4	1577.4	1554.9	1538.6
2116.1	7.5°	2069.9	2018.6	1919.9	1793.6	1648.6	1489.9	1378.7	1258.7	1212.4	1187.4
2186.1	10°	2127.4	2057.4	1907.4	1686.1	1451.2	1234.9	1076.2	946.2	896.2	874.9
2262.4	12.5°	2191.1	2104.9	1884.9	1552.4	1234.9	976.2	821.2	761.2	753.7	753.7
2353.6	15°	2267.4	2162.4	1846.1	1394.9	1008.7	772.4	717.5	720.0	727.5	732.5
2442.3	17.5°	2346.1	2223.6	1784.9	1218.7	808.7	695.0	696.2	700.0	706.2	711.2
2538.6	20°	2431.1	2284.9	1703.6	1031.2	693.7	672.5	676.2	680.0	685.0	687.5
2628.6	22.5°	2522.3	2342.3	1607.4	847.4	655.0	653.7	655.0	658.7	665.0	665.0
2733.6	25°	2619.8	2406.1	1497.4	713.7	635.0	635.0	637.5	640.0	645.0	645.0
2834.8	27.5°	2719.8	2464.8	1381.2	643.7	617.5	616.2	616.2	620.0	622.5	623.7
2934.8	30°	2829.8	2533.6	1264.9	628.7	603.7	597.5	593.7	596.2	598.7	600.0
3039.8	32.5°	2942.3	2599.8	1161.2	635.0	590.0	578.7	566.2	563.7	563.7	568.7
3148.5	35°	3067.3	2672.3	1081.2	656.2	582.5	551.2	531.2	520.0	521.2	528.7
3278.5	37.5°	3217.3	2759.8	1022.4	675.0	577.5	520.0	487.5	473.7	465.0	473.7
3457.3	40°	3413.5	2888.6	979.9	690.0	571.2	483.7	440.0	417.5	401.2	406.2
3734.8	42.5°	3702.3	3091.0	963.7	691.2	557.5	441.2	391.2	361.2	337.5	338.7
4152.2	45°	4107.2	3411.0	1047.4	675.0	527.5	395.0	340.0	300.0	285.0	281.2
4775.9	47.5°	4662.2	3877.2	1241.2	641.2	483.7	350.0	290.0	256.2	245.0	238.7
5594.6	50°	5405.9	4476.0	1456.2	603.7	440.0	307.5	248.7	227.5	220.0	213.7
6565.8	52.5°	6268.3	5083.4	1632.4	566.2	396.2	270.0	222.5	210.0	203.7	198.7
7503.3	55°	7059.5	5502.1	1622.4	526.2	353.7	240.0	203.7	196.2	188.7	183.7
8310.7	57.5°	7552.0	5560.9	1337.4	482.5	305.0	216.2	186.2	181.2	172.5	166.2
9009.4	60°	7778.2	5225.9	937.4	425.0	256.2	193.7	167.5	165.0	153.7	145.0
9670.6	62.5°	7819.5	4603.4	625.0	353.7	213.7	172.5	148.7	145.0	130.0	115.0
10208.1	65°	7652.0	3713.5	432.5	276.2	182.5	150.0	127.5	120.0	103.7	88.7
10335.6	67.5°	7122.0	2607.3	301.2	198.7	155.0	118.7	101.2	98.7	86.2	73.7
9685.6	70°	6150.8	1486.2	201.2	148.7	122.5	81.2	80.0	82.5	70.0	60.0
7913.2	72.5°	4715.9	680.0	125.0	108.7	83.7	55.0	63.7	65.0	53.7	45.0
4937.2	75°	2776.1	291.2	78.7	70.0	42.5	36.2	46.2	47.5	36.2	28.7
1804.9	77.5°	944.9	110.0	50.0	41.2	21.2	20.0	30.0	30.0	20.0	11.2
362.5	80°	215.0	41.2	25.0	16.2	10.0	8.7	10.0	8.7	5.0	1.2
111.2	82.5°	61.2	16.2	10.0	6.2	3.7	3.7	1.2	0.0	0.0	0.0
38.7	85°	17.5	7.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
13.7	87.5°	7.5	1.2	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>
2006.1
1832.4
1546.1
1191.2
874.9
753.7
732.5
711.2
688.7
667.5
646.2
625.0
602.5
572.5
532.5
471.2
403.7
333.7
276.2
235.0
212.5
197.5
181.2
165.0
142.5
107.5
83.7
70.0
55.0
40.0
25.0
8.7
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