

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: P940707

Luminaire Tested: **GALN-SB3D-927-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940707  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3D-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

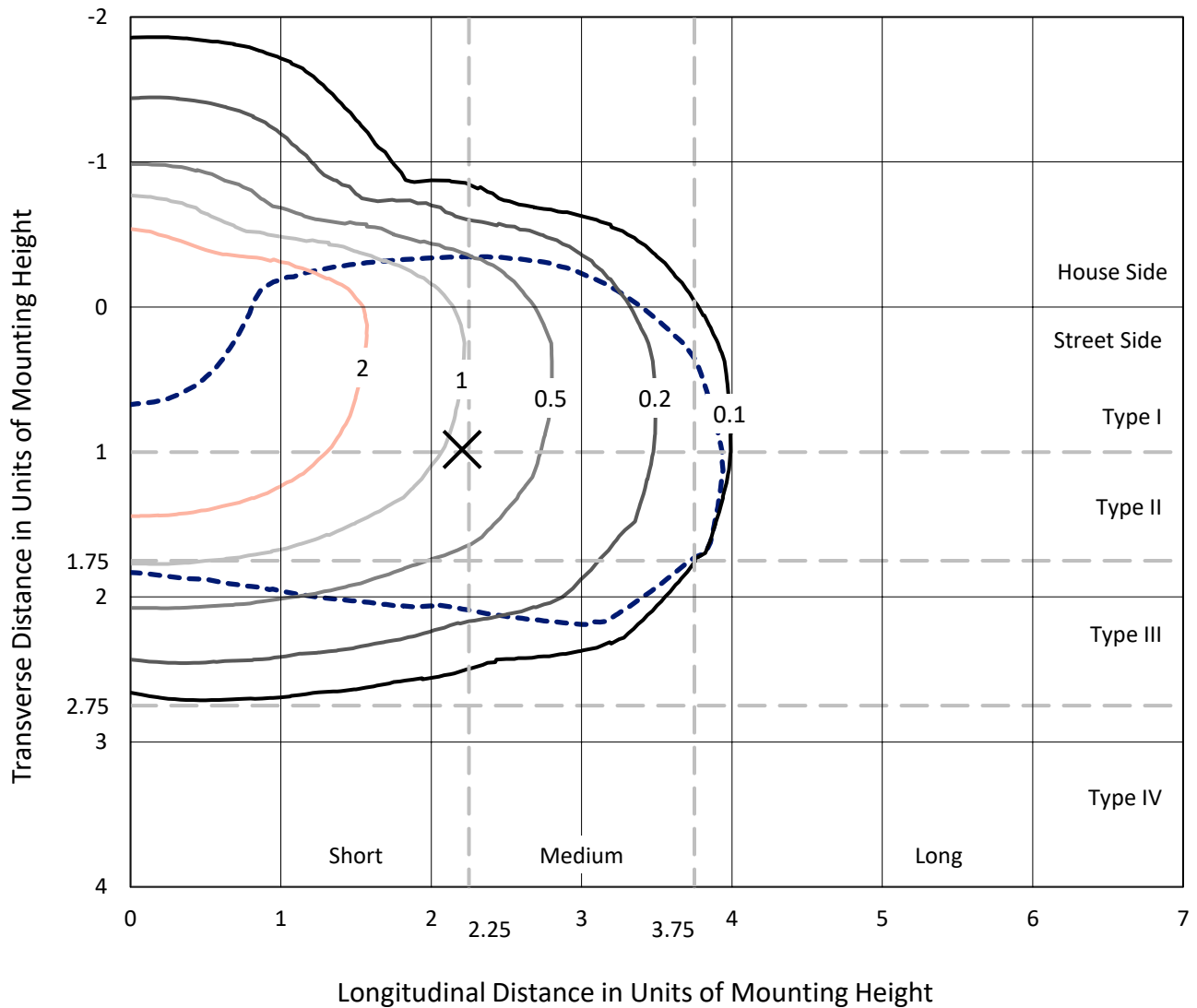
Lumens per Lamp: N/A  
Luminaire Lumens: 18597 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

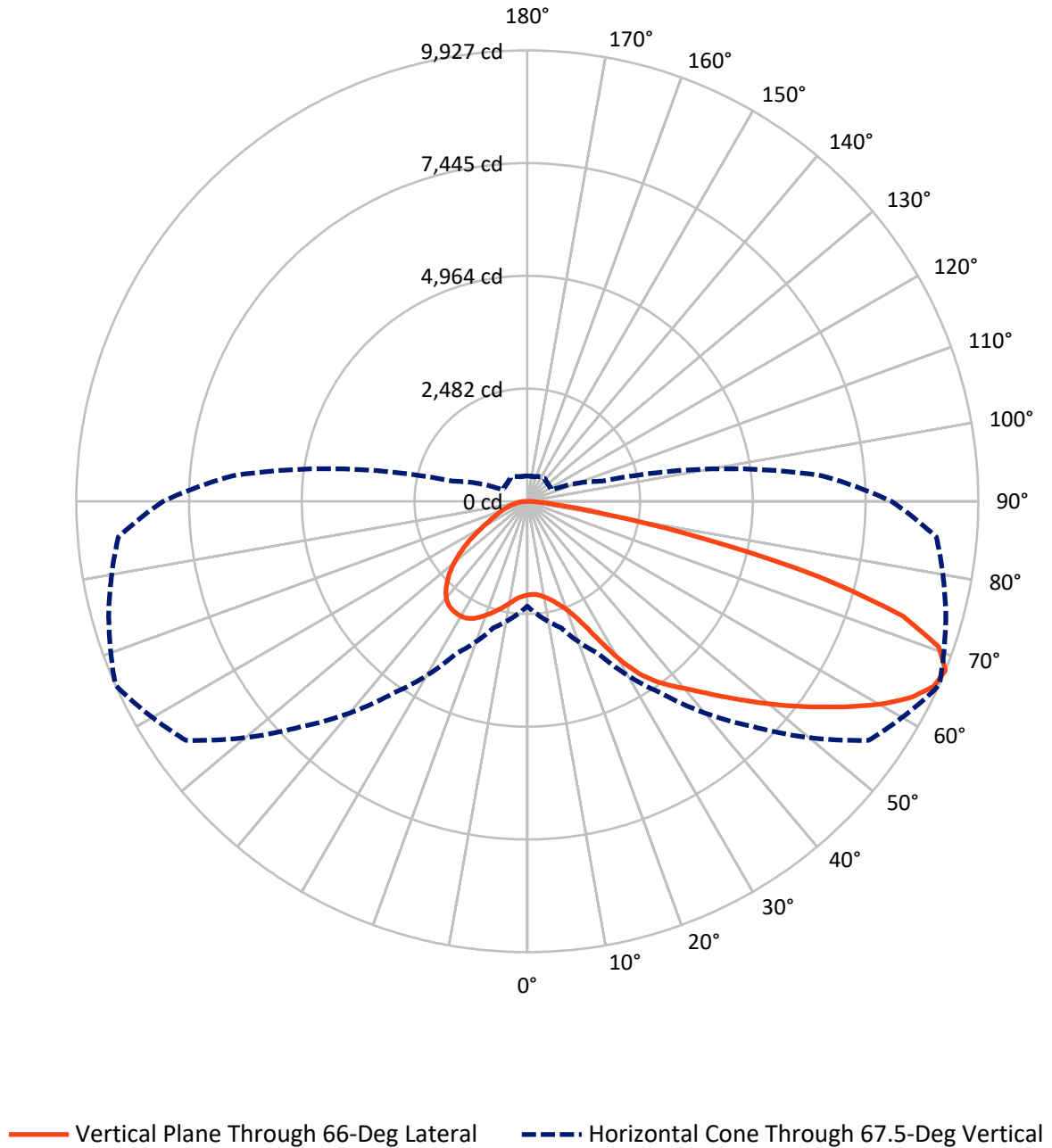
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type III - 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	4624.1	0.0	4624.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	13972.9	0.0	13972.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	18597.0	0.0	18597.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.5	1.1
10°-20°	675.7	3.6
20°-30°	1302.3	7.0
30°-40°	2283.4	12.3
40°-50°	3394.6	18.3
50°-60°	4303.0	23.1
60°-70°	4210.4	22.6
70°-80°	2008.4	10.8
80°-90°	214.6	1.2
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°	18597.0	100.0
0°-180°	18597.0	100.0

**Coefficient of Utilization**



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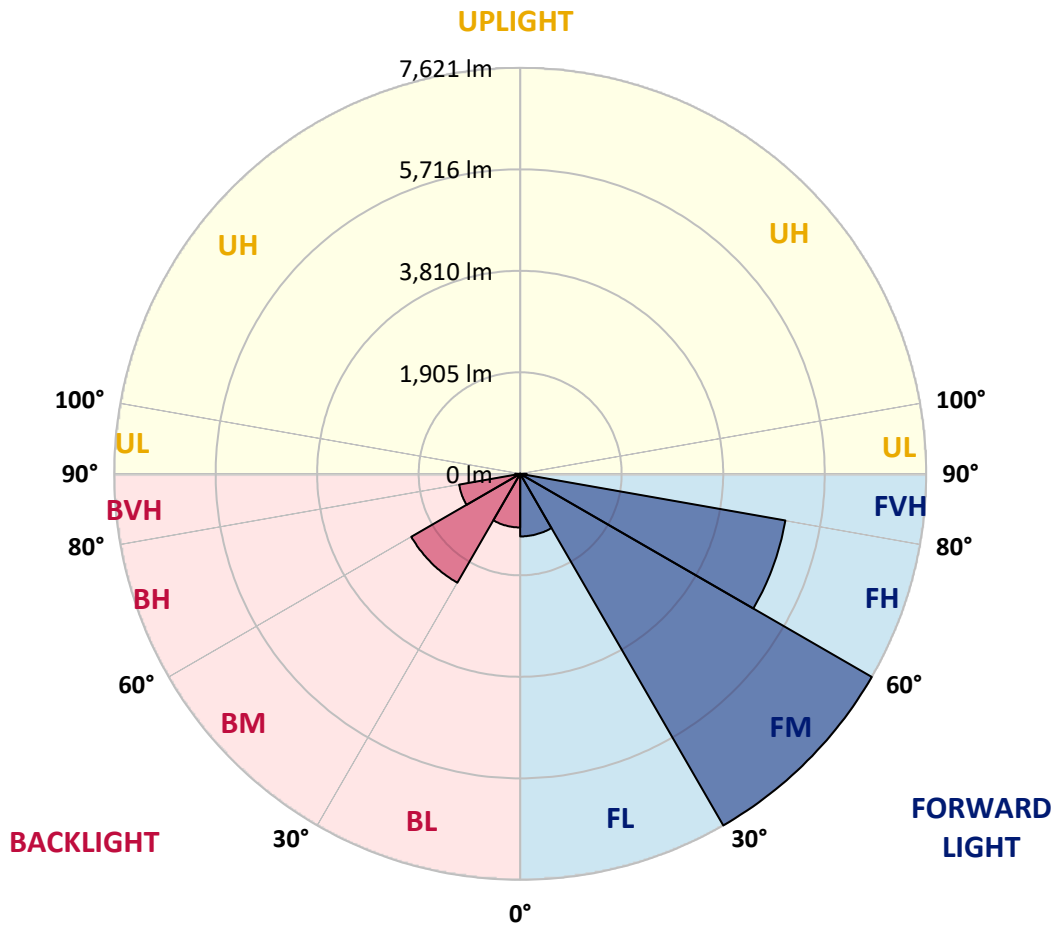
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1175.1	6.3			
FM (30°-60°)	7620.9	41.0			
FH (60°-80°)	5055.2	27.2			G3/7500
FVH (80°-90°)	121.7	0.7			G2/225
BL (0°-30°)	1007.3	5.4	B3/2500		
BM (30°-60°)	2360.2	12.7	B2/2500		
BH (60°-80°)	1163.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	92.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7
2.5°	2041.2	2052.9	2050.0	2045.1	2044.1	2046.0	2049.0	2051.9	2050.9	2055.8
5°	2035.3	2047.0	2046.0	2046.0	2050.0	2057.8	2062.7	2067.5	2062.7	2068.5
7.5°	2039.2	2048.0	2051.9	2055.8	2065.6	2080.2	2092.0	2102.7	2096.9	2103.7
10°	2089.0	2095.9	2099.8	2099.8	2106.6	2123.2	2135.0	2154.5	2149.6	2160.4
12.5°	2179.9	2186.7	2186.7	2182.8	2187.7	2198.5	2202.4	2223.9	2215.1	2232.7
15°	2291.3	2305.0	2294.2	2287.4	2289.3	2300.1	2299.1	2315.7	2306.9	2321.6
17.5°	2414.4	2432.0	2414.4	2413.4	2409.5	2421.2	2422.2	2436.9	2421.2	2432.0
20°	2560.0	2584.4	2569.8	2574.7	2565.9	2570.7	2575.6	2597.1	2572.7	2580.5
22.5°	2765.2	2794.5	2778.9	2797.4	2791.6	2787.7	2786.7	2824.8	2786.7	2789.6
25°	3064.2	3099.4	3072.0	3097.4	3097.4	3110.1	3124.8	3173.6	3110.1	3091.5
27.5°	3505.8	3541.0	3487.3	3502.9	3498.0	3529.3	3513.6	3634.8	3566.4	3536.1
30°	4037.4	4099.9	3998.3	3994.4	3989.5	4039.3	4061.8	4141.9	4072.5	4042.3
32.5°	4611.9	4677.4	4556.2	4521.0	4502.5	4532.8	4514.2	4578.7	4530.8	4483.9
35°	5219.7	5284.1	5168.8	5100.4	5026.2	4962.7	4896.2	4912.8	4867.9	4796.6
37.5°	5794.2	5912.4	5790.3	5717.0	5580.2	5456.1	5270.5	5193.3	5151.3	5085.8
40°	6379.5	6446.9	6354.1	6291.5	6143.0	5948.6	5651.5	5488.4	5431.7	5368.2
42.5°	6810.4	6874.9	6825.0	6782.0	6665.8	6440.1	6056.1	5851.8	5769.8	5698.4
45°	7152.4	7200.2	7169.0	7184.6	7134.8	6915.9	6475.2	6241.7	6156.7	6069.7
47.5°	7290.1	7340.9	7390.8	7483.6	7568.6	7407.4	6925.7	6663.8	6573.9	6485.0
50°	7274.5	7326.3	7470.9	7668.3	7932.1	7878.3	7400.5	7113.3	7030.2	6928.6
52.5°	7149.4	7208.0	7393.7	7722.0	8142.2	8231.1	7884.2	7577.4	7499.2	7378.1
55°	6821.1	6856.3	7134.8	7599.9	8192.0	8477.3	8358.1	8071.8	7993.6	7824.6
57.5°	6212.4	6263.2	6668.7	7270.6	8066.9	8644.4	8774.3	8591.6	8516.4	8273.1
60°	5418.0	5499.1	5963.2	6717.5	7748.4	8643.4	9152.5	9102.6	9040.1	8714.7
62.5°	4519.1	4612.9	5059.4	5935.9	7191.4	8398.2	9388.9	9530.6	9498.4	9122.2
65°	3470.7	3535.1	3979.7	4924.6	6324.8	7871.5	9416.3	9822.8	9828.6	9431.9
67.5°	2310.8	2496.5	2882.4	3695.4	5164.0	7010.7	9175.9	9870.6	9927.3	9538.4
70°	1127.6	1371.8	1750.0	2401.7	3695.4	5690.6	8547.6	9477.8	9603.9	9227.7
72.5°	468.0	547.2	753.3	1185.2	2121.3	3840.0	7285.2	8412.8	8646.3	8176.4
75°	315.6	342.0	430.9	607.8	966.3	1893.6	5253.9	6273.0	6649.1	6175.3
77.5°	243.3	259.9	313.6	425.0	574.5	716.2	2812.1	3780.4	3974.8	3679.7
80°	191.5	204.2	234.5	309.7	407.4	383.0	958.5	1712.9	1825.2	1531.1
82.5°	166.1	171.0	168.1	210.1	270.7	223.8	314.6	632.2	697.6	506.1
85°	120.2	133.9	139.7	130.0	143.6	113.3	129.0	223.8	246.2	219.8
87.5°	48.9	72.3	88.9	84.0	52.8	32.2	40.1	65.5	75.2	82.1
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°
2062.7	0°	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7	2062.7
2063.6	2.5°	2064.6	2071.4	2076.3	2082.2	2086.1	2092.0	2103.7	2110.5	2111.5	2116.4
2079.3	5°	2083.2	2092.9	2103.7	2119.3	2136.9	2151.6	2174.0	2189.7	2195.5	2200.4
2117.4	7.5°	2123.2	2136.9	2156.5	2183.8	2209.2	2228.8	2256.1	2274.7	2293.2	2300.1
2178.0	10°	2182.8	2202.4	2230.7	2267.8	2295.2	2320.6	2348.9	2364.6	2383.1	2391.0
2250.3	12.5°	2257.1	2277.6	2314.7	2366.5	2391.9	2409.5	2419.3	2415.4	2419.3	2426.1
2337.2	15°	2342.1	2364.6	2406.6	2462.3	2479.9	2464.2	2442.7	2423.2	2420.3	2422.2
2442.7	17.5°	2442.7	2459.4	2508.2	2555.1	2542.4	2477.9	2431.0	2399.8	2384.1	2379.2
2577.6	20°	2583.4	2583.4	2623.5	2652.8	2567.8	2458.4	2385.1	2334.3	2302.0	2288.4
2761.3	22.5°	2754.4	2738.8	2764.2	2743.7	2562.9	2403.7	2302.0	2214.1	2165.2	2145.7
3018.3	25°	2971.4	2952.8	2945.9	2818.9	2527.8	2316.7	2151.6	2045.1	2002.1	1991.3
3388.6	27.5°	3298.7	3251.8	3162.9	2860.0	2463.3	2179.9	1975.7	1877.0	1852.6	1853.6
3864.4	30°	3734.5	3640.7	3422.8	2866.8	2357.7	1986.4	1795.9	1725.6	1713.8	1718.7
4264.1	32.5°	4138.0	4049.1	3688.5	2835.5	2195.5	1796.9	1634.7	1587.8	1570.2	1576.1
4568.9	35°	4454.6	4430.2	3934.8	2791.6	1996.2	1619.1	1490.1	1450.0	1415.8	1408.0
4856.2	37.5°	4753.6	4743.8	4119.4	2730.0	1798.8	1493.0	1373.8	1321.0	1271.2	1243.8
5173.7	40°	5081.9	5072.1	4240.6	2635.2	1623.9	1383.6	1269.2	1199.9	1138.3	1088.5
5533.3	42.5°	5451.2	5393.6	4298.3	2499.4	1475.4	1290.7	1184.2	1090.4	1009.3	963.4
5939.8	45°	5854.8	5724.8	4297.3	2326.5	1350.3	1205.7	1093.4	960.5	885.3	842.3
6357.0	47.5°	6282.7	6041.4	4244.5	2135.0	1229.2	1111.9	952.7	851.1	801.2	774.8
6810.4	50°	6724.4	6337.5	4154.6	1915.1	1105.1	1005.4	864.7	795.4	757.3	732.8
7259.8	52.5°	7139.7	6606.2	4046.2	1666.0	979.1	901.9	825.6	771.9	731.8	704.5
7695.6	55°	7525.6	6837.7	3892.8	1410.9	876.5	832.5	807.1	762.1	716.2	684.0
8138.2	57.5°	7868.6	6988.2	3628.0	1171.5	803.2	784.6	787.5	745.5	692.8	665.4
8574.0	60°	8153.9	7098.6	3236.1	949.7	743.6	737.7	757.3	714.3	652.7	621.4
8942.4	62.5°	8324.9	7096.7	2755.4	777.8	692.8	694.7	717.2	675.2	612.6	583.3
9134.9	65°	8310.2	6922.7	2227.8	665.4	643.9	645.9	675.2	632.2	579.4	561.8
9038.2	67.5°	8016.1	6498.7	1708.9	592.1	590.2	599.0	633.2	602.9	558.9	556.9
8461.7	70°	7219.8	5618.3	1231.1	533.5	534.5	547.2	592.1	584.3	548.2	552.1
7114.2	72.5°	5789.3	4283.6	826.6	471.9	472.9	493.4	553.0	569.6	537.4	589.2
5047.7	75°	3855.6	2671.4	531.5	406.5	407.4	433.8	518.8	541.3	508.1	587.2
2626.4	77.5°	1852.6	1200.9	385.0	342.0	342.0	366.4	448.5	484.6	432.9	456.3
844.2	80°	640.0	451.4	302.9	275.5	269.7	286.3	378.1	420.2	373.3	343.9
275.5	82.5°	252.1	234.5	243.3	214.0	194.4	205.2	294.1	346.9	274.6	248.2
155.4	85°	144.6	152.4	172.0	141.7	112.4	126.0	215.9	249.2	207.1	182.7
50.8	87.5°	39.1	53.7	79.1	73.3	50.8	53.7	102.6	137.8	119.2	91.8
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

180°  
2062.7  
2115.4  
2199.4  
2301.1  
2394.9  
2428.1  
2429.1  
2386.1  
2285.4  
2142.8  
1993.3  
1856.5  
1735.3  
1583.9  
1413.9  
1244.8  
1093.4  
966.3  
840.3  
769.0  
724.0  
692.8  
671.3  
647.8  
607.8  
574.5  
560.9  
559.9  
551.1  
597.0  
592.1  
418.2  
322.4  
247.2  
186.6  
94.8  
0.0

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