

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: P952599

Luminaire Tested: **GALN-SB6B-927-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952599  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-927-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

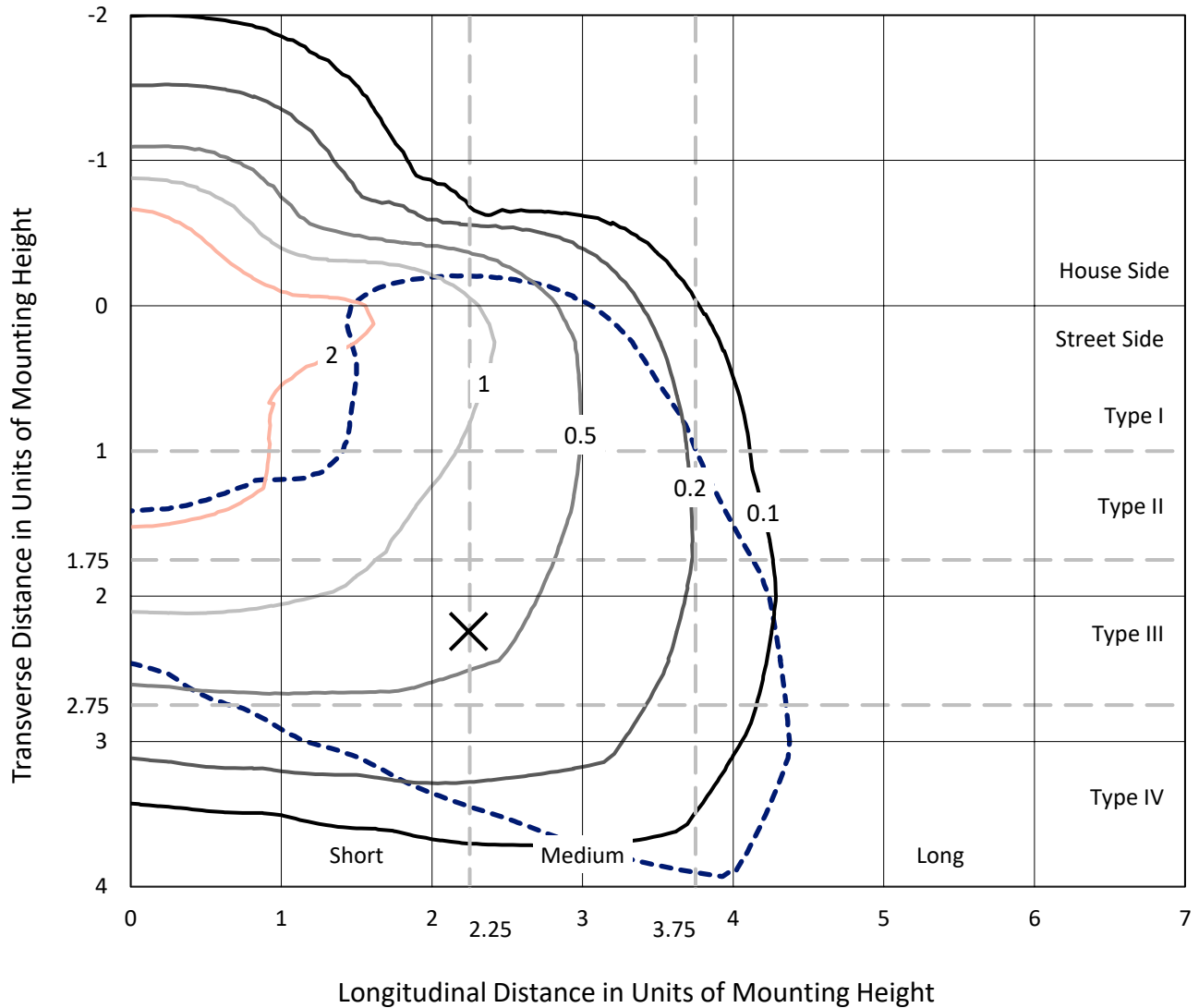
Lumens per Lamp: N/A  
Luminaire Lumens: 20745 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

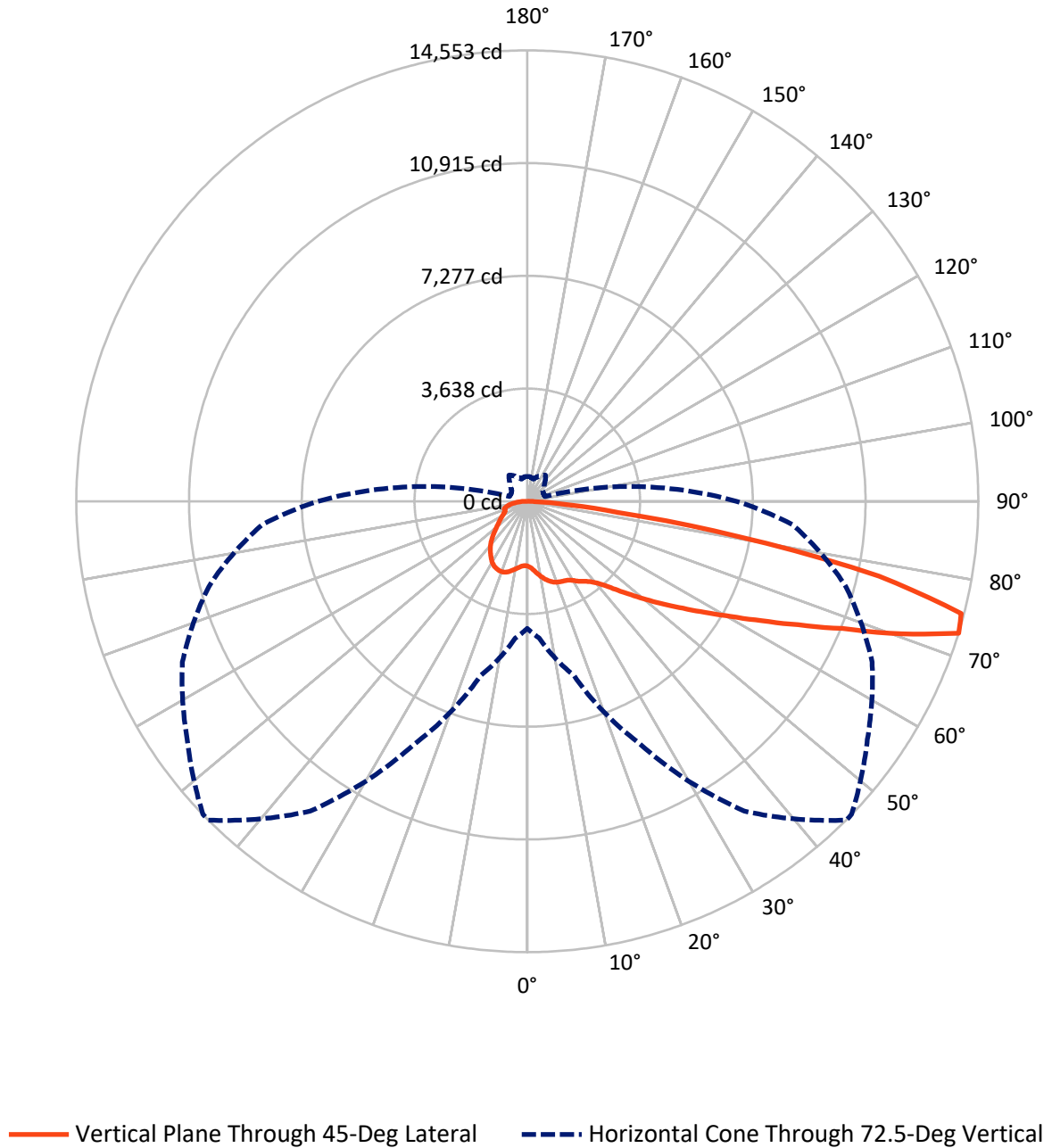
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	4689.7	0.0	4689.7
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	16055.3	0.0	16055.3
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	20745.0	0.0	20745.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.0	1.0
10°-20°	710.2	3.4
20°-30°	1235.4	6.0
30°-40°	1771.0	8.5
40°-50°	2493.7	12.0
50°-60°	3819.6	18.4
60°-70°	5533.2	26.7
70°-80°	4418.6	21.3
80°-90°	550.3	2.7
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°	20745.0	100.0
0°-180°	20745.0	100.0

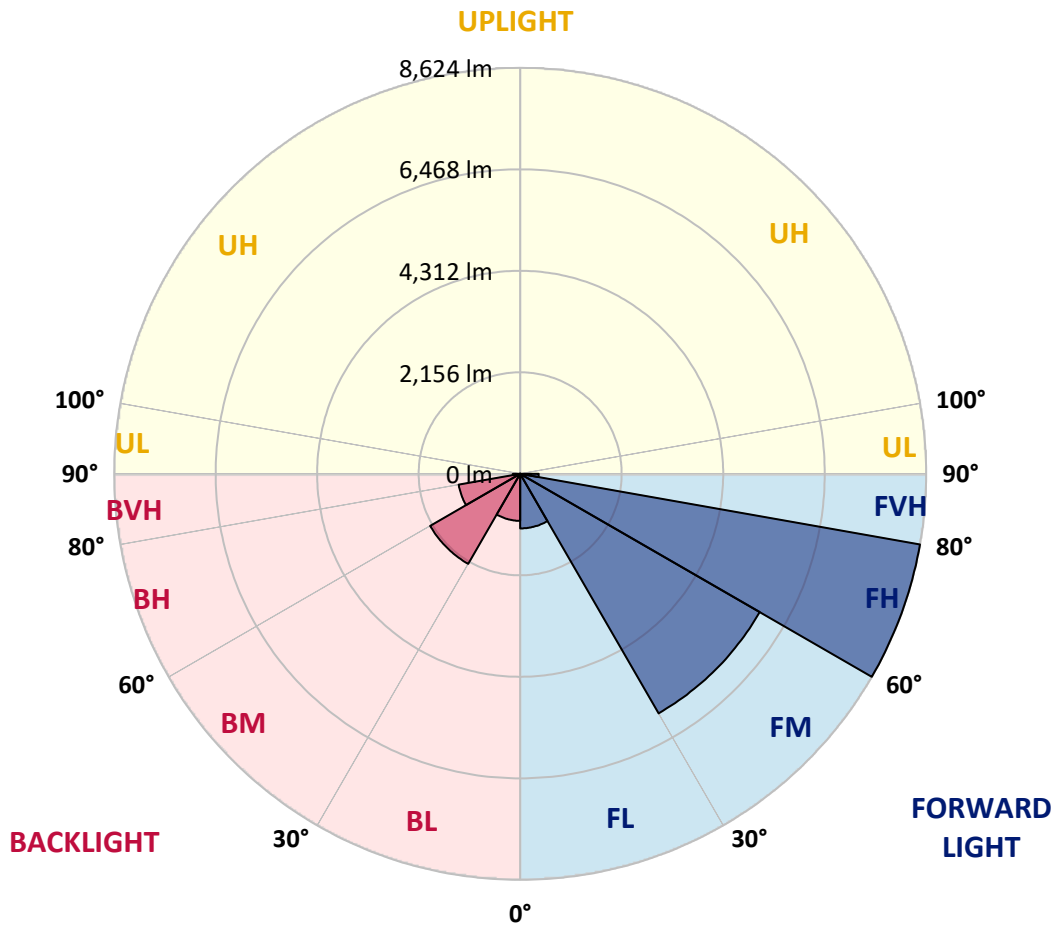


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1160.1	5.6			
FM (30°-60°)	5876.1	28.3			
FH (60°-80°)	8624.3	41.6			G4/12000
FVH (80°-90°)	394.8	1.9			G3/500
BL (0°-30°)	998.5	4.8	B2/1000		
BM (30°-60°)	2208.2	10.6	B2/2500		
BH (60°-80°)	1327.5	6.4	B3/2500		G3/2500
BVH (80°-90°)	155.5	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8
2.5°	2174.7	2188.9	2175.8	2163.8	2158.3	2144.1	2143.0	2134.3	2128.8	2113.5
5°	2326.6	2345.2	2323.4	2299.3	2277.5	2242.5	2238.1	2213.0	2184.6	2151.8
7.5°	2498.2	2514.6	2489.5	2453.4	2415.2	2357.2	2356.1	2310.2	2265.4	2209.7
10°	2647.9	2669.8	2635.9	2586.7	2538.6	2473.1	2465.4	2413.0	2356.1	2284.0
12.5°	2780.2	2795.5	2762.7	2702.6	2646.8	2581.3	2571.4	2513.5	2450.1	2368.2
15°	2885.1	2904.7	2861.0	2796.5	2737.5	2673.1	2664.3	2611.9	2548.5	2462.1
17.5°	2953.9	2970.3	2925.5	2853.4	2796.5	2743.0	2736.4	2692.7	2637.0	2549.6
20°	2980.1	2997.6	2950.6	2877.4	2825.0	2783.4	2780.2	2748.5	2710.2	2630.4
22.5°	3006.4	3022.8	2961.6	2885.1	2839.2	2812.9	2811.8	2791.1	2775.8	2710.2
25°	3112.4	3116.7	3034.8	2924.4	2858.8	2835.9	2834.8	2833.7	2840.3	2788.9
27.5°	3204.2	3203.1	3133.1	3029.3	2927.7	2879.6	2878.5	2889.4	2910.2	2867.6
30°	3338.6	3326.6	3243.5	3135.3	3042.4	2968.1	2961.6	2951.7	2968.1	2934.2
32.5°	3623.8	3585.6	3451.2	3258.8	3137.5	3080.7	3071.9	3010.7	3017.3	2996.5
35°	4032.5	3982.3	3803.0	3492.7	3255.5	3174.7	3170.3	3092.7	3079.6	3061.0
37.5°	4518.8	4456.6	4247.8	3831.5	3458.8	3283.9	3277.4	3207.5	3153.9	3134.2
40°	5007.3	4928.7	4756.0	4244.5	3758.2	3466.5	3445.7	3339.7	3278.5	3245.7
42.5°	5481.6	5416.1	5268.5	4707.9	4127.6	3733.1	3687.2	3505.8	3459.9	3429.3
45°	5901.3	5842.3	5734.1	5203.0	4560.4	4095.9	4051.1	3755.0	3740.8	3740.8
47.5°	6242.2	6229.1	6114.4	5707.8	5070.7	4509.0	4431.4	4101.4	4139.6	4198.6
50°	6620.4	6584.3	6461.9	6205.1	5670.7	4982.2	4918.8	4526.5	4669.7	4831.4
52.5°	6967.9	6987.5	6850.9	6723.1	6348.2	5510.0	5398.6	5028.1	5337.4	5605.1
55°	7325.2	7326.3	7288.1	7270.6	7058.6	6093.6	5971.2	5631.3	6123.1	6455.3
57.5°	7660.7	7662.9	7719.7	7873.8	7882.6	6766.8	6628.0	6372.3	6996.3	7335.1
60°	7960.2	7975.5	8130.6	8491.3	8607.1	7538.3	7407.2	7247.6	7899.0	8239.9
62.5°	8060.7	8116.4	8461.8	8974.3	9322.9	8484.7	8355.8	8260.7	8847.5	9164.5
65°	7890.2	8018.1	8685.8	9373.2	10059.5	9609.2	9481.4	9377.6	9833.3	10131.6
67.5°	7471.7	7636.7	8672.7	9791.7	10953.4	10962.2	10843.0	10599.3	10890.0	11004.8
70°	6369.0	6616.0	7908.8	9948.0	11979.6	12812.3	12697.6	12070.3	11944.6	11389.5
72.5°	4103.6	4435.8	5823.7	8661.8	12208.0	14553.2	14546.6	13398.1	12277.9	10642.0
75°	1497.2	1700.4	2705.8	5436.8	10247.5	14464.7	14507.3	13170.8	11208.0	8220.3
77.5°	545.3	596.7	883.0	2089.5	6302.3	11605.8	11694.4	10529.4	7977.6	4125.4
80°	286.3	314.7	452.4	810.9	2700.4	6892.5	7031.3	6257.5	3749.5	1242.5
82.5°	158.5	171.6	253.5	440.4	1216.3	2947.4	3030.4	2472.0	1319.0	526.7
85°	85.2	90.7	119.1	240.4	594.5	1021.8	1044.7	738.8	525.7	309.3
87.5°	25.1	30.6	39.3	76.5	232.8	229.5	235.0	146.4	207.6	156.3
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°
2092.8	0°	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8
2109.2	2.5°	2102.6	2099.3	2087.3	2081.8	2075.3	2074.2	2079.7	2080.7	2081.8	2082.9
2133.2	5°	2122.3	2111.3	2100.4	2093.9	2096.0	2097.1	2108.1	2115.7	2121.2	2125.6
2178.0	7.5°	2160.5	2151.8	2133.2	2132.1	2135.4	2145.2	2159.4	2176.9	2186.7	2194.4
2235.9	10°	2217.3	2201.0	2179.1	2182.4	2188.9	2203.1	2232.6	2246.9	2263.2	2277.5
2307.0	12.5°	2275.3	2261.1	2235.9	2238.1	2249.0	2274.2	2302.6	2320.1	2331.0	2341.9
2383.5	15°	2350.7	2325.5	2298.2	2298.2	2317.9	2345.2	2358.3	2372.5	2379.1	2391.1
2465.4	17.5°	2428.3	2395.5	2359.4	2357.2	2381.3	2394.4	2402.0	2404.2	2406.4	2419.5
2545.2	20°	2505.9	2469.8	2418.4	2414.1	2419.5	2417.3	2416.2	2414.1	2417.3	2433.7
2627.2	22.5°	2582.4	2540.8	2469.8	2450.1	2434.8	2414.1	2413.0	2411.9	2414.1	2430.5
2715.7	25°	2672.0	2621.7	2526.6	2467.6	2416.2	2387.8	2391.1	2392.2	2394.4	2407.5
2807.5	27.5°	2769.2	2713.5	2579.1	2462.1	2369.3	2349.6	2344.1	2347.4	2355.0	2375.8
2899.3	30°	2866.5	2800.9	2627.2	2440.3	2310.2	2282.9	2265.4	2273.1	2297.1	2317.9
2979.1	32.5°	2955.0	2889.4	2665.4	2392.2	2234.8	2192.2	2169.3	2179.1	2203.1	2210.8
3067.6	35°	3058.8	2984.5	2681.8	2315.7	2152.9	2087.3	2056.7	2042.5	2054.5	2046.9
3171.4	37.5°	3174.7	3097.1	2679.6	2215.2	2056.7	1981.3	1938.7	1885.1	1860.0	1833.8
3324.4	40°	3346.2	3234.8	2653.4	2093.9	1937.6	1868.7	1792.2	1701.5	1644.7	1593.3
3571.4	42.5°	3580.1	3426.0	2605.3	1960.5	1803.2	1738.7	1634.9	1528.9	1439.3	1354.0
3946.2	45°	3928.7	3676.3	2545.2	1818.5	1657.8	1594.4	1481.9	1362.8	1261.1	1151.8
4478.4	47.5°	4431.4	4012.9	2488.4	1656.7	1504.8	1446.9	1345.3	1234.9	1114.7	1008.7
5247.8	50°	5122.1	4495.9	2435.9	1499.4	1354.0	1310.3	1229.4	1116.9	995.6	910.3
6149.3	52.5°	6000.7	5152.7	2414.1	1347.5	1213.0	1196.6	1132.2	1027.3	912.5	840.4
7200.6	55°	7009.4	5938.4	2414.1	1202.1	1089.6	1095.0	1050.2	952.9	853.5	789.0
8284.7	57.5°	8038.8	6734.0	2370.3	1067.7	984.6	1007.6	979.2	893.9	804.3	737.7
9424.6	60°	8987.4	7400.6	2193.3	945.3	891.7	927.8	909.2	836.0	726.7	671.0
10377.5	62.5°	9716.3	7776.6	1852.3	848.0	815.3	856.8	846.9	759.5	712.5	689.6
11160.0	65°	10081.3	7715.4	1416.3	761.7	750.8	815.3	794.5	791.2	754.1	727.8
11414.6	67.5°	9857.3	7188.6	1027.3	698.3	713.6	777.0	856.8	869.9	801.0	749.7
10697.7	70°	8874.9	6235.7	765.0	638.2	666.6	778.1	977.0	910.3	785.7	725.6
8579.8	72.5°	6751.5	4650.0	593.4	574.8	605.4	783.6	1030.5	891.7	742.0	802.1
5345.0	75°	3861.0	2552.8	476.5	497.2	528.9	732.2	1003.2	843.7	708.2	736.6
2117.9	77.5°	1472.0	981.4	393.4	420.7	425.1	639.3	959.5	840.4	674.3	657.9
634.9	80°	510.4	383.6	325.7	334.4	328.9	568.3	920.2	731.1	551.9	494.0
262.3	82.5°	208.7	191.2	257.9	247.0	233.9	441.5	743.1	597.8	451.3	398.9
126.8	85°	90.7	121.3	170.5	149.7	135.5	306.0	595.6	506.0	381.4	328.9
41.5	87.5°	18.6	45.9	72.1	67.8	69.9	204.4	422.9	359.5	269.9	202.2
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>
2092.8
2087.3
2127.7
2196.6
2274.2
2346.3
2395.5
2423.9
2440.3
2441.4
2425.0
2396.6
2340.8
2238.1
2070.9
1850.2
1596.6
1346.4
1138.7
996.7
904.9
834.9
782.5
726.7
662.3
681.9
719.1
740.9
715.8
795.6
736.6
600.0
477.6
394.5
327.8
158.5
0.0

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