

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: P948366

Luminaire Tested: **GALN-SB3B-940-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948366  
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-SB3B-940-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

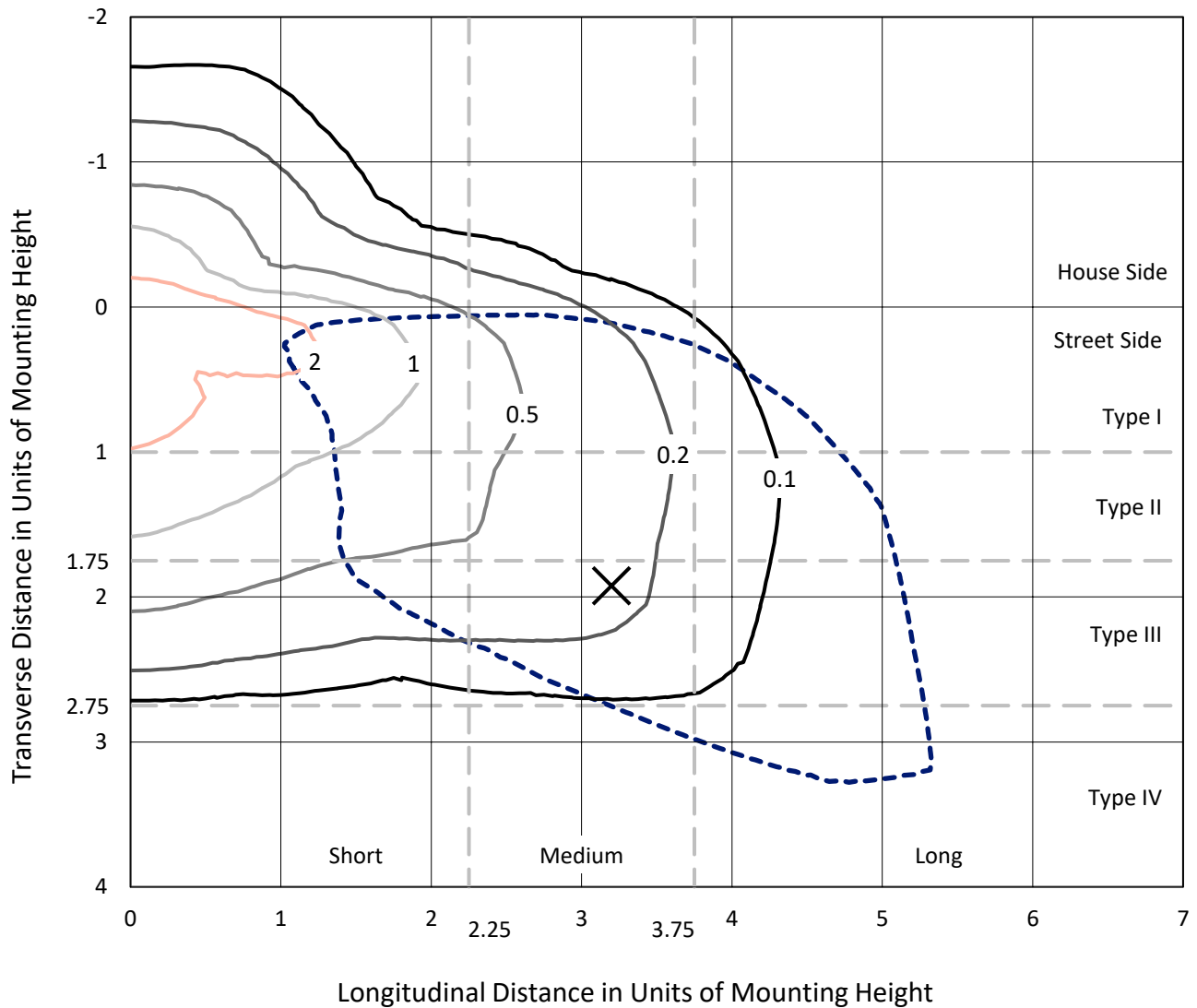
Lumens per Lamp: N/A  
Luminaire Lumens: 11965 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

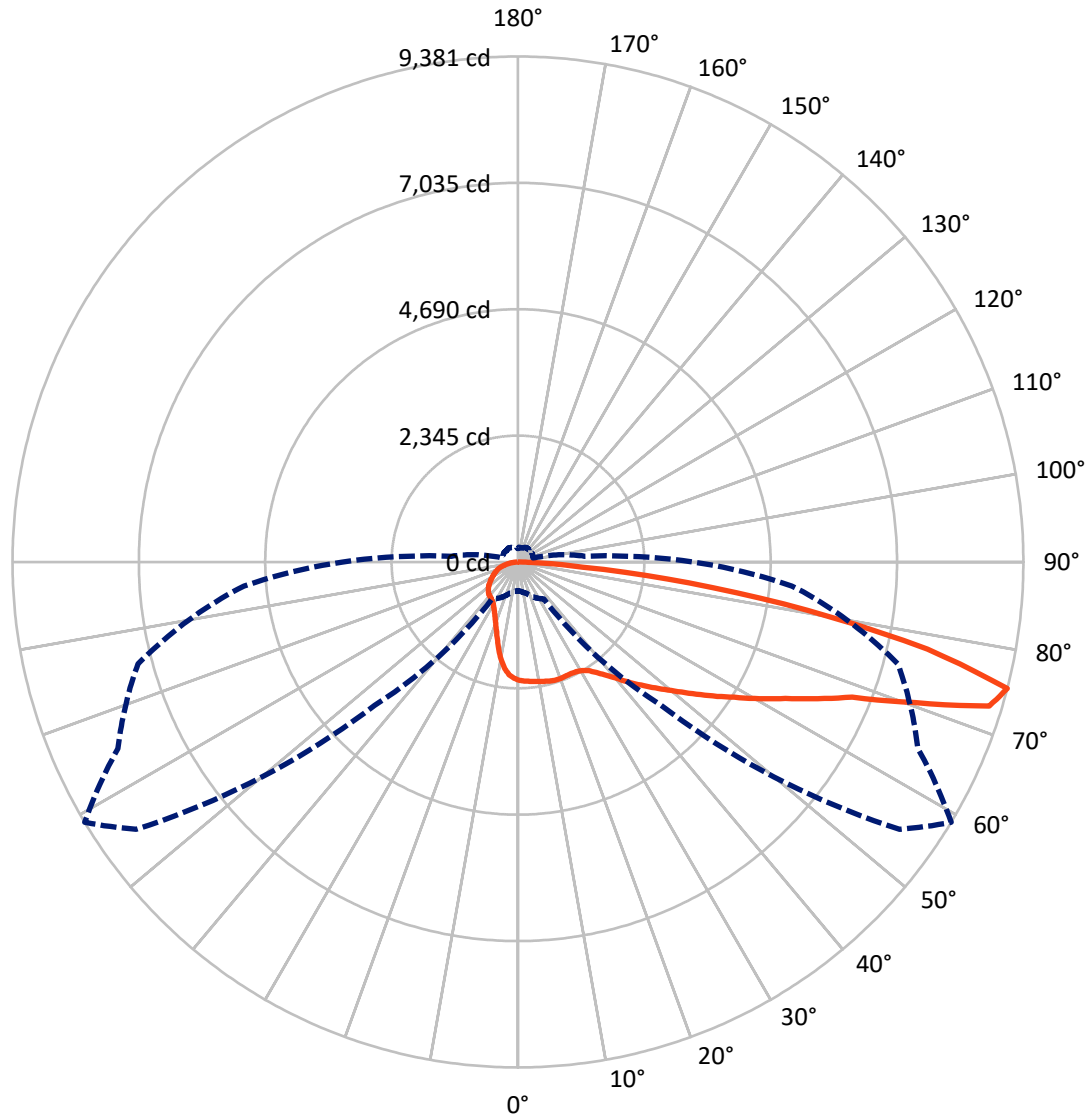
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	2244.1	0.0	2244.1
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	9720.9	0.0	9720.9
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	11965.0	0.0	11965.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	196.9	1.6
10°-20°	503.3	4.2
20°-30°	764.5	6.4
30°-40°	1136.5	9.5
40°-50°	1690.1	14.1
50°-60°	2294.1	19.2
60°-70°	2800.8	23.4
70°-80°	2198.0	18.4
80°-90°	380.7	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°	11965.0	100.0
0°-180°	11965.0	100.0

**Coefficient of Utilization**



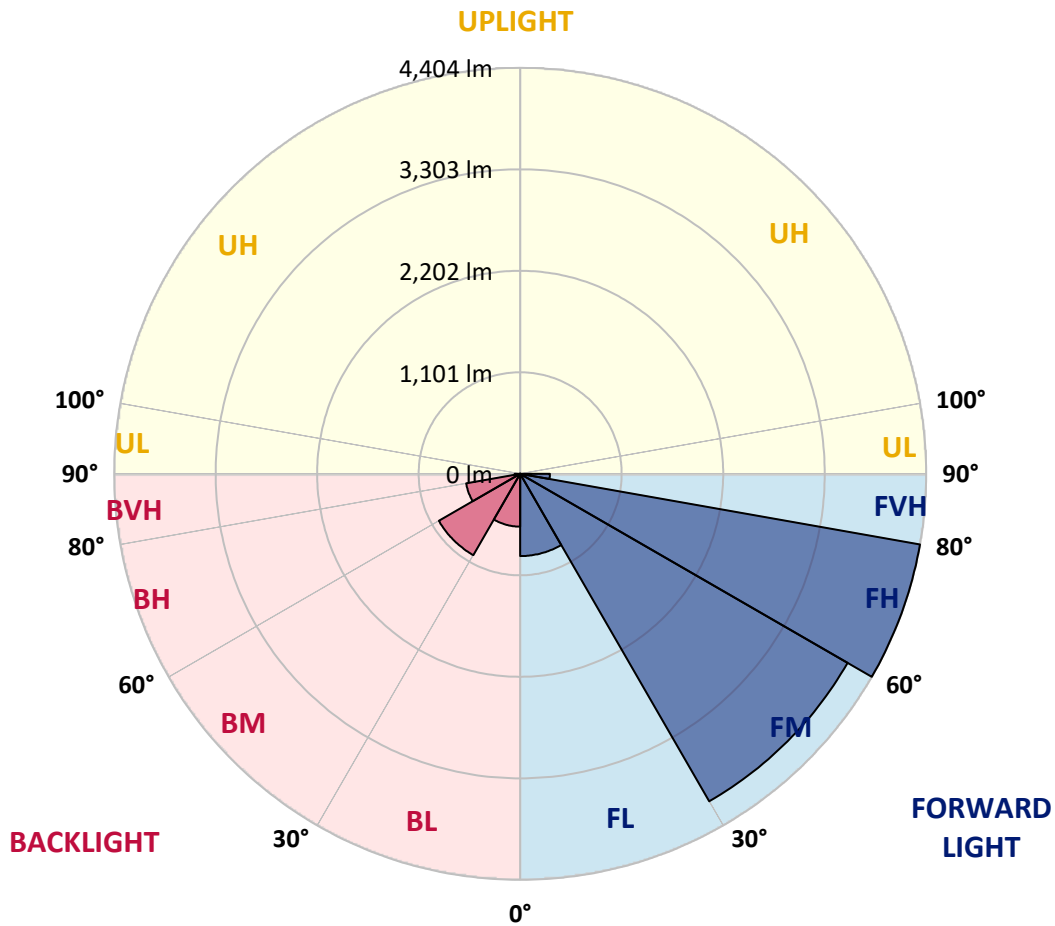
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	892.1	7.5			
FM (30°-60°)	4102.1	34.3			
FH (60°-80°)	4404.2	36.8			G2/5000
FVH (80°-90°)	322.5	2.7			G3/500
BL (0°-30°)	572.7	4.8	B2/1000		
BM (30°-60°)	1018.6	8.5	B2/2500		
BH (60°-80°)	594.6	5.0	B2/1000		G2/1000
BVH (80°-90°)	58.3	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°	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1
2.5°	2214.8	2207.1	2214.8	2211.6	2210.3	2207.7	2208.4	2212.9	2210.3	2213.5
5°	2200.0	2195.5	2203.2	2201.3	2209.7	2211.0	2219.3	2224.5	2227.7	2228.3
7.5°	2175.6	2171.0	2182.0	2191.0	2209.0	2214.2	2231.6	2239.9	2244.4	2252.1
10°	2086.1	2084.2	2111.2	2145.3	2187.8	2214.2	2240.6	2254.7	2261.8	2282.4
12.5°	1927.7	1930.3	1965.7	2031.4	2116.3	2201.3	2250.9	2271.5	2282.4	2308.1
15°	1776.5	1775.8	1814.5	1884.6	2003.7	2144.7	2256.0	2291.4	2310.1	2348.1
17.5°	1688.9	1686.4	1713.4	1766.8	1877.5	2057.8	2243.1	2302.4	2342.3	2389.9
20°	1672.9	1667.7	1681.9	1708.3	1786.8	1962.5	2209.7	2302.4	2368.0	2429.8
22.5°	1731.4	1723.1	1717.3	1714.1	1748.8	1884.0	2171.7	2294.6	2406.0	2487.1
25°	1849.2	1836.3	1806.7	1777.8	1767.5	1848.6	2138.2	2292.7	2462.6	2564.3
27.5°	2039.7	2023.6	1963.8	1894.3	1831.8	1866.6	2123.4	2304.3	2525.1	2646.1
30°	2276.0	2258.6	2183.3	2076.4	1964.4	1933.5	2142.1	2338.4	2604.9	2754.8
32.5°	2487.7	2468.4	2404.0	2295.3	2144.0	2049.4	2201.3	2403.4	2730.4	2906.1
35°	2675.7	2653.1	2595.2	2494.8	2364.1	2212.2	2308.1	2518.6	2908.7	3152.0
37.5°	2859.8	2833.4	2770.3	2664.1	2572.7	2429.2	2455.5	2666.7	3145.5	3450.6
40°	3065.7	3027.8	2951.2	2846.2	2757.4	2683.4	2649.3	2848.2	3386.3	3784.0
42.5°	3265.3	3229.2	3137.8	3048.3	2937.0	2915.8	2873.9	3060.6	3649.5	4150.3
45°	3480.2	3437.1	3326.4	3213.1	3143.0	3070.2	3091.5	3273.0	3907.6	4523.6
47.5°	3681.7	3633.4	3502.8	3376.6	3338.0	3200.3	3291.0	3506.6	4176.0	4902.1
50°	3790.5	3742.9	3634.1	3520.1	3489.9	3360.5	3507.3	3763.4	4457.3	5279.3
52.5°	3881.2	3829.7	3687.5	3624.4	3615.4	3535.0	3773.7	4057.0	4738.6	5612.7
55°	3977.8	3920.5	3739.0	3682.3	3723.5	3730.6	4089.8	4389.7	5036.0	5937.7
57.5°	4089.1	4016.4	3788.6	3731.3	3829.1	3959.8	4452.8	4734.7	5328.2	6238.9
60°	4194.1	4120.7	3883.8	3809.1	3943.0	4225.6	4869.2	5152.5	5659.0	6507.3
62.5°	4214.6	4154.1	3959.8	3959.1	4097.5	4535.8	5362.3	5574.0	5948.0	6772.5
65°	3858.1	3820.1	3704.9	3953.3	4318.9	4982.5	5911.3	6113.4	6315.5	7004.2
67.5°	2936.4	2941.5	2933.1	3412.7	4140.0	5624.3	6706.2	6690.8	6769.3	7264.3
70°	1342.7	1372.9	1569.9	2355.8	3316.8	5698.3	8020.6	7820.4	7338.9	7600.9
72.5°	725.4	748.6	829.0	1141.2	1994.0	5066.2	9002.8	9145.0	8096.5	7827.5
75°	532.3	545.2	601.2	725.4	837.4	3765.4	8650.7	9380.6	8191.1	7299.0
77.5°	398.4	404.2	449.9	574.8	428.7	1985.0	6912.2	7768.9	7012.0	5996.9
80°	289.0	295.4	329.6	431.2	300.6	726.0	4746.3	5453.0	4802.3	3822.7
82.5°	199.5	202.1	216.9	293.5	209.8	281.9	2693.1	3197.7	2680.8	1341.4
85°	120.4	123.6	130.0	171.2	119.1	133.9	1162.4	1202.3	801.3	320.5
87.5°	49.6	52.8	57.9	72.1	47.0	37.3	191.8	240.7	150.0	94.0
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°
2196.1	0°	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1
2202.6	2.5°	2199.4	2194.9	2182.6	2165.9	2150.4	2131.1	2122.8	2115.7	2109.3	2097.0
2220.0	5°	2212.9	2200.7	2167.8	2125.3	2077.1	2024.3	1972.8	1937.4	1907.1	1884.6
2239.9	7.5°	2233.5	2210.3	2150.4	2063.6	1952.8	1839.6	1737.2	1664.5	1609.8	1589.8
2268.2	10°	2254.7	2227.0	2122.8	1969.6	1778.4	1604.0	1468.2	1393.5	1349.7	1335.6
2301.7	12.5°	2279.8	2239.3	2079.6	1838.9	1583.4	1392.2	1273.8	1230.0	1207.5	1199.8
2342.9	15°	2316.5	2249.6	2014.6	1675.4	1397.4	1237.7	1161.2	1130.9	1119.3	1118.7
2385.4	17.5°	2344.2	2251.5	1913.6	1500.4	1254.5	1144.4	1081.3	1069.8	1077.5	1089.1
2427.2	20°	2375.1	2234.1	1781.0	1340.7	1154.1	1062.7	1036.3	1044.0	1062.7	1079.4
2482.6	22.5°	2397.0	2202.6	1620.7	1216.5	1067.2	1015.7	1014.4	1030.5	1040.8	1049.2
2547.6	25°	2416.3	2149.2	1450.8	1112.2	995.7	987.4	1001.5	996.4	989.3	996.4
2612.6	27.5°	2430.4	2064.8	1298.9	1020.8	945.5	968.1	959.7	948.1	947.5	951.3
2689.2	30°	2425.9	1952.2	1174.0	933.9	910.1	932.0	912.1	910.1	908.2	910.1
2804.4	32.5°	2425.9	1824.1	1078.1	874.1	887.6	879.2	877.3	872.8	865.1	864.4
2960.8	35°	2439.5	1696.0	995.7	841.9	868.9	849.0	850.3	839.3	823.2	815.5
3168.1	37.5°	2467.1	1593.0	914.0	826.5	836.1	835.5	830.3	811.6	783.3	758.9
3426.8	40°	2534.1	1562.8	858.0	819.4	820.7	828.4	814.9	778.8	714.5	674.5
3689.4	42.5°	2639.0	1613.6	845.8	802.0	810.4	818.1	791.7	708.0	662.3	638.5
3964.9	45°	2772.2	1702.5	872.2	776.9	785.9	799.4	720.9	681.0	660.4	661.0
4237.8	47.5°	2940.9	1795.8	921.1	755.0	750.5	758.2	673.9	649.4	621.1	628.2
4499.8	50°	3135.9	1890.4	967.4	725.4	711.2	686.1	643.7	620.5	584.4	567.7
4752.7	52.5°	3347.0	1981.8	986.1	689.4	668.8	639.8	623.1	594.7	551.0	523.3
4991.5	55°	3547.2	2064.8	965.5	646.2	626.3	603.7	601.2	583.8	536.8	498.2
5203.9	57.5°	3736.4	2134.4	914.0	602.5	583.2	569.6	587.0	578.6	519.4	469.9
5404.8	60°	3896.7	2182.0	839.3	558.0	544.5	537.5	563.8	561.3	495.0	439.6
5585.0	62.5°	4024.1	2200.7	756.9	515.6	512.3	499.5	531.7	531.7	464.1	410.0
5743.3	65°	4123.9	2182.6	673.3	473.7	480.2	460.9	492.4	488.5	431.2	383.6
5925.5	67.5°	4212.1	2123.4	580.6	432.5	447.3	422.9	451.2	442.2	395.2	357.2
6083.2	70°	4251.3	1985.7	475.0	391.3	409.4	385.5	410.0	393.3	354.7	328.9
5910.0	72.5°	3935.9	1650.3	374.0	348.2	363.7	344.4	365.6	346.3	310.9	299.3
5103.5	75°	3256.2	1238.4	287.7	301.2	312.8	298.0	312.2	298.0	265.8	274.2
3769.9	77.5°	2364.8	836.1	220.1	251.7	256.8	249.1	261.3	245.2	216.3	214.3
1878.8	80°	1176.0	489.8	172.5	198.9	197.0	191.8	206.0	198.2	173.8	184.1
507.2	82.5°	340.5	209.8	125.5	139.7	135.8	137.1	147.4	151.3	226.6	224.6
157.7	85°	106.8	82.4	75.3	77.9	74.0	76.0	86.9	172.5	159.6	93.3
48.9	87.5°	27.7	28.3	18.7	20.0	20.6	24.5	27.7	104.9	50.2	32.8
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

<u>180°</u>
2196.1
2091.2
1866.0
1555.1
1313.7
1201.7
1121.2
1093.6
1085.2
1053.7
1000.9
957.8
917.2
872.8
823.2
767.2
679.7
638.5
664.3
646.2
572.2
522.6
498.2
467.3
437.7
408.1
381.0
354.7
323.8
289.6
250.4
204.7
182.2
229.8
101.1
34.8
0.0

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