

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: P952238

Luminaire Tested: **GALN-SB6A-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-927-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16780 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

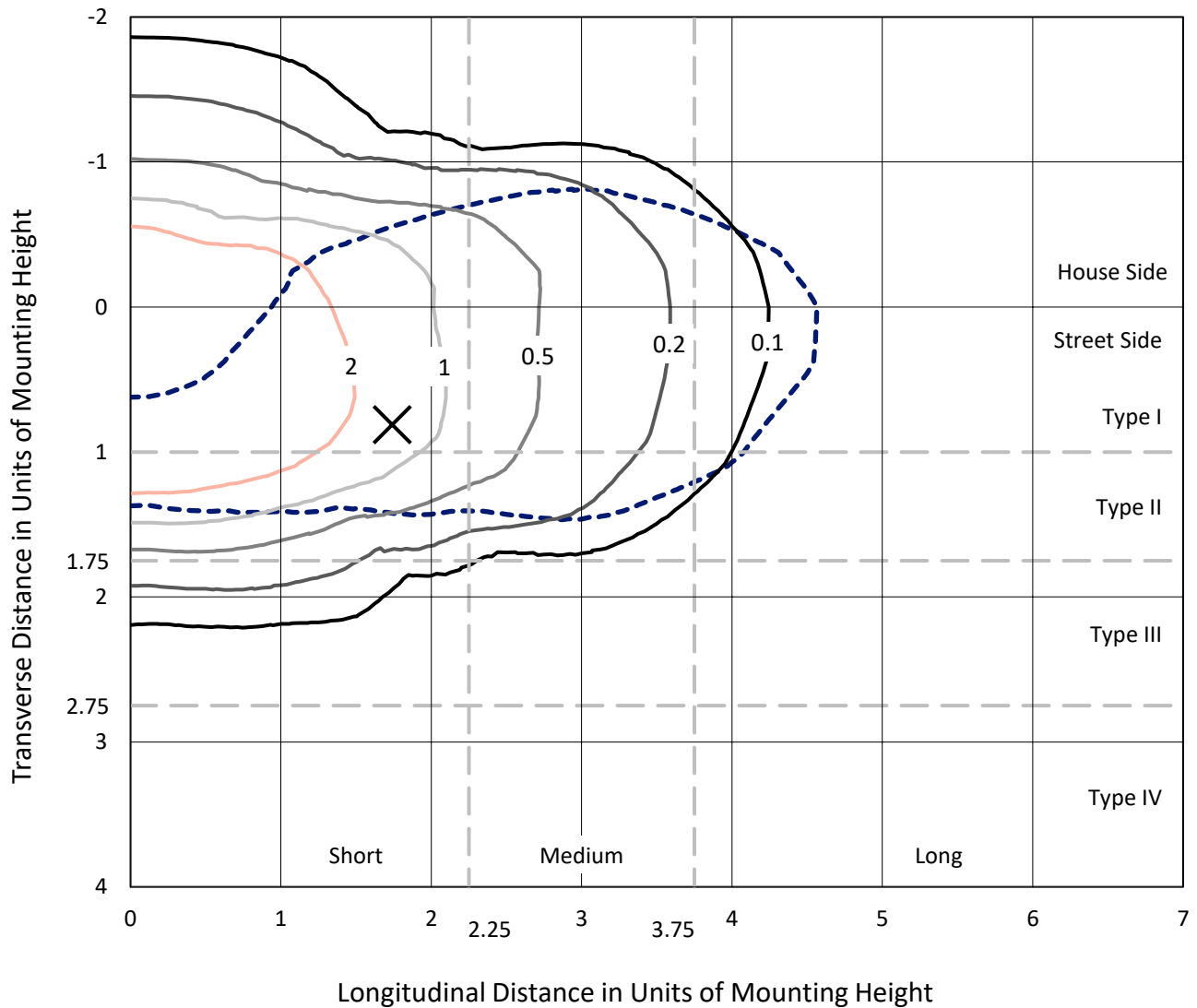
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952238
 CATALOG NUMBER: GALN-SB6A-927-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

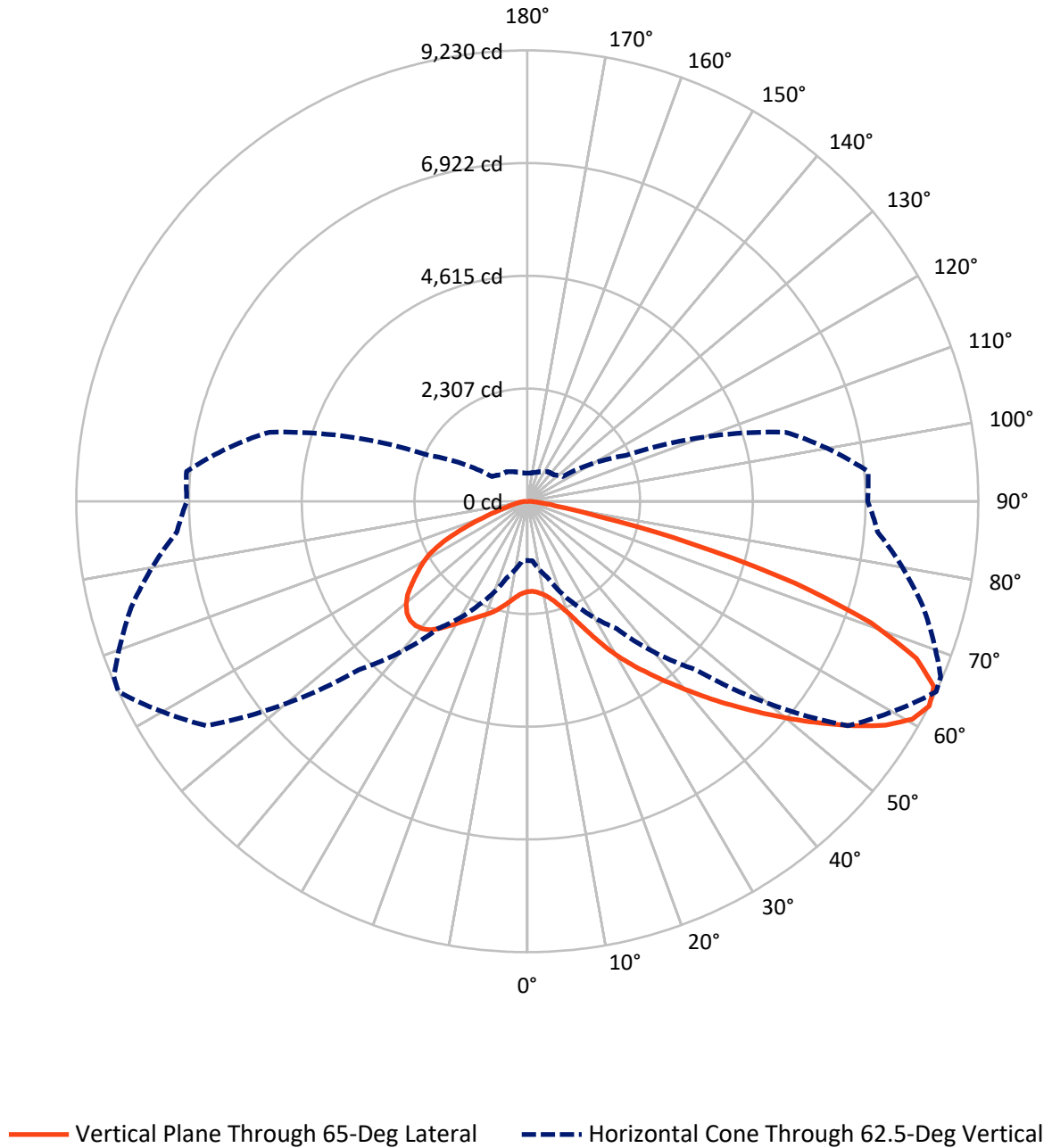
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Short - N/A

REPORT NUMBER: P952238
CATALOG NUMBER: GALN-SB6A-927-U-T2U

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5295.0	0.0	5295.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	11485.0	0.0	11485.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	16780.0	0.0	16780.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.4	1.1
10°-20°	625.2	3.7
20°-30°	1267.6	7.6
30°-40°	2193.5	13.1
40°-50°	3319.4	19.8
50°-60°	3891.8	23.2
60°-70°	3262.8	19.4
70°-80°	1801.3	10.7
80°-90°	234.0	1.4
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°	16780.0	100.0
0°-180°	16780.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952238

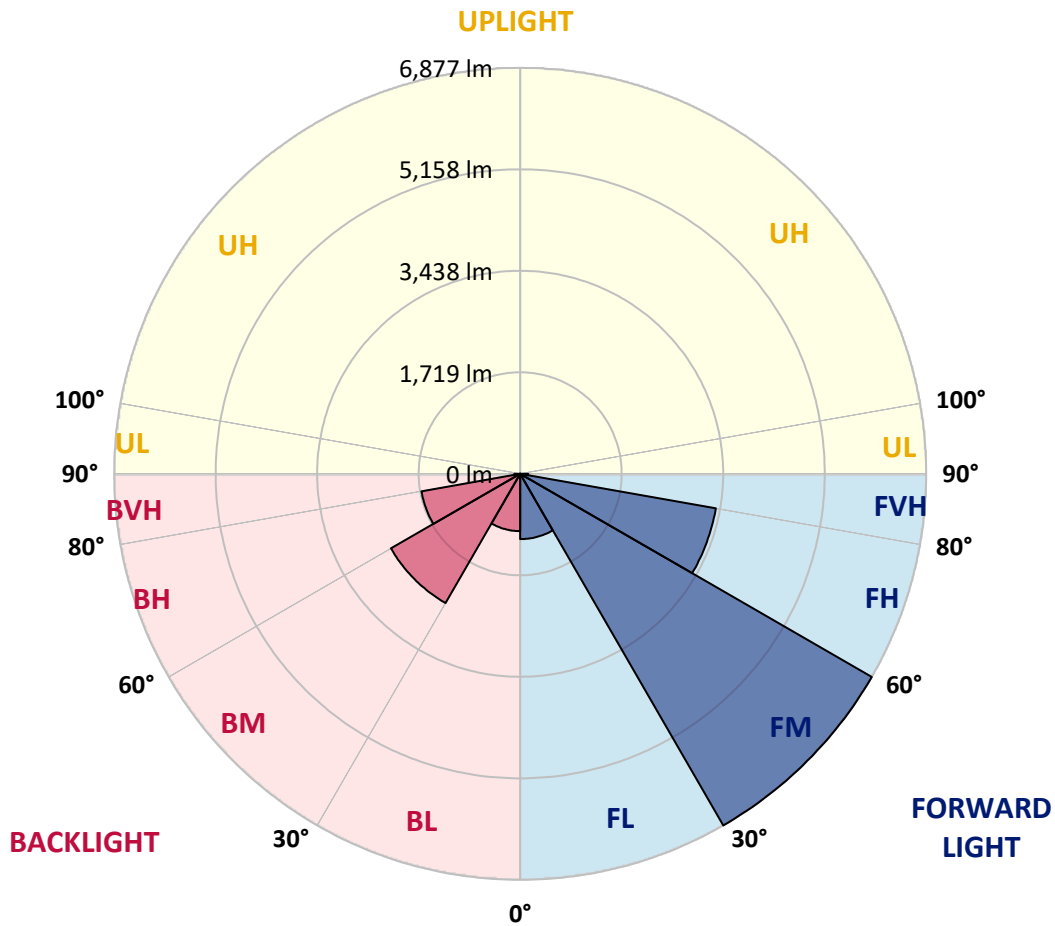
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1106.0	6.6			
FM (30°-60°)	6877.0	41.0			
FH (60°-80°)	3365.6	20.1			G2/5000
FVH (80°-90°)	136.4	0.8			G2/225
BL (0°-30°)	971.0	5.8	B2/1000		
BM (30°-60°)	2527.8	15.1	B3/5000		
BH (60°-80°)	1698.6	10.1	B3/2500		G3/2500
BVH (80°-90°)	97.6	0.6			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 II Short



REPORT NUMBER: P952238

CATALOG NUMBER: GALN-SB6A-927-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1
2.5°	1836.9	1831.7	1836.0	1836.0	1837.8	1836.9	1843.0	1844.7	1847.3	1852.6
5°	1818.6	1817.7	1825.6	1832.5	1839.5	1845.6	1853.4	1864.8	1866.5	1872.6
7.5°	1812.5	1807.3	1819.5	1828.2	1844.7	1859.5	1880.4	1899.6	1907.4	1910.0
10°	1859.5	1850.8	1862.1	1867.4	1881.3	1896.1	1920.5	1950.9	1959.6	1970.1
12.5°	1939.6	1930.0	1946.6	1954.4	1967.5	1980.5	1997.1	2026.7	2031.0	2050.2
15°	2049.3	2038.0	2048.4	2058.0	2079.8	2092.0	2108.5	2137.2	2137.2	2152.0
17.5°	2198.2	2183.4	2191.2	2194.7	2208.6	2226.9	2254.8	2280.0	2293.1	2287.8
20°	2420.2	2401.9	2401.9	2384.5	2379.3	2394.1	2430.6	2465.4	2479.4	2452.4
22.5°	2753.6	2727.5	2712.7	2653.5	2630.0	2631.7	2668.3	2710.9	2722.3	2674.4
25°	3177.6	3136.7	3116.6	3029.6	2976.5	2930.3	2959.1	3013.9	3029.6	2970.4
27.5°	3601.5	3604.1	3585.0	3480.5	3392.6	3308.2	3293.4	3350.8	3367.4	3300.3
30°	4196.1	4134.3	4097.8	3972.4	3847.0	3728.6	3667.7	3691.2	3695.6	3615.5
32.5°	4708.9	4693.2	4614.9	4505.2	4344.1	4158.7	4056.8	4019.4	4012.4	3898.4
35°	5293.0	5284.3	5201.6	5071.0	4896.9	4639.2	4455.6	4348.5	4339.8	4179.6
37.5°	5886.8	5886.8	5805.8	5663.0	5482.8	5160.7	4881.3	4711.5	4683.6	4474.7
40°	6360.4	6331.6	6346.4	6286.4	6080.0	5737.9	5354.0	5107.6	5070.2	4819.5
42.5°	6629.4	6619.8	6708.6	6775.6	6691.2	6417.8	5874.6	5536.8	5484.6	5199.0
45°	6689.4	6679.0	6837.4	7082.9	7201.3	7089.0	6440.5	5988.6	5925.1	5596.0
47.5°	6551.0	6530.1	6762.6	7150.0	7529.5	7727.1	7053.3	6478.8	6386.5	5982.5
50°	6134.9	6114.9	6466.6	6981.1	7640.1	8160.7	7718.4	6998.5	6857.5	6396.9
52.5°	5230.4	5239.9	5791.0	6497.9	7494.7	8430.6	8291.3	7546.1	7376.3	6820.9
55°	4074.3	4095.1	4772.4	5550.7	6913.2	8389.6	8682.2	8110.2	7941.3	7219.6
57.5°	2917.3	3009.5	3644.2	4414.6	5796.2	7741.1	8767.5	8646.5	8482.8	7654.9
60°	1890.9	1907.4	2560.3	3336.9	4413.8	6588.4	8594.2	9053.0	8925.0	8098.9
62.5°	1211.8	1223.1	1621.0	2334.0	3176.7	4874.3	8011.0	9229.7	9190.6	8392.3
65°	890.6	881.9	1089.1	1542.6	2139.9	3006.1	6878.3	9144.4	9221.9	8576.0
67.5°	743.5	731.3	833.1	1068.2	1576.6	1707.2	5089.3	8589.9	8873.7	8555.1
70°	677.3	666.9	728.7	793.1	1230.1	1143.1	2565.6	7467.7	7904.7	8317.4
72.5°	573.7	555.4	639.9	704.3	956.8	876.7	1060.3	5736.2	6268.9	7555.6
75°	444.9	432.7	504.9	619.8	719.1	684.3	670.3	3483.1	4064.7	5843.2
77.5°	352.6	336.0	402.2	483.2	646.8	516.2	488.4	1500.0	2076.3	3730.4
80°	265.5	250.7	305.6	382.2	497.1	389.1	316.0	612.0	782.6	1890.0
82.5°	188.9	175.9	213.3	280.3	334.3	349.1	194.1	343.0	385.7	728.7
85°	121.0	113.2	142.8	175.9	212.4	224.6	118.4	179.3	196.7	300.3
87.5°	66.2	54.0	76.6	81.8	98.4	89.7	56.6	65.3	70.5	108.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952238
 CATALOG NUMBER: GALN-SB6A-927-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1849.1	0°	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1	1849.1
1852.6	2.5°	1856.0	1858.7	1867.4	1870.0	1876.1	1883.9	1889.1	1894.4	1894.4	1899.6
1880.4	5°	1881.3	1887.4	1905.7	1915.2	1930.9	1946.6	1956.2	1967.5	1974.4	1977.9
1924.8	7.5°	1930.0	1939.6	1965.7	1982.3	2009.3	2031.0	2045.8	2061.5	2065.0	2074.6
1986.6	10°	1996.2	2007.5	2037.1	2068.5	2100.7	2127.7	2141.6	2152.9	2157.3	2159.0
2065.9	12.5°	2071.9	2088.5	2126.8	2165.1	2199.1	2222.6	2226.0	2223.4	2211.2	2200.8
2163.4	15°	2165.1	2179.9	2222.6	2264.3	2297.4	2301.8	2280.0	2266.1	2251.3	2248.7
2272.2	17.5°	2276.5	2284.4	2323.5	2364.5	2367.1	2352.3	2320.1	2307.0	2293.1	2283.5
2414.1	20°	2406.2	2403.6	2431.5	2448.9	2430.6	2385.4	2336.6	2314.8	2300.9	2289.6
2588.2	22.5°	2561.2	2541.2	2537.7	2533.3	2484.6	2389.7	2323.5	2295.7	2273.9	2258.2
2831.1	25°	2786.7	2710.1	2657.0	2627.4	2517.7	2366.2	2281.8	2219.9	2179.0	2152.0
3127.9	27.5°	3068.7	2939.9	2805.8	2733.6	2517.7	2318.3	2180.8	2080.7	2013.6	1985.8
3415.2	30°	3337.8	3202.8	3005.2	2861.6	2511.6	2240.0	2018.0	1878.7	1800.3	1772.5
3660.7	32.5°	3567.6	3420.5	3216.7	3001.7	2496.8	2112.9	1816.0	1661.9	1586.2	1553.1
3903.6	35°	3780.9	3624.2	3429.2	3155.8	2457.6	1926.6	1594.0	1476.5	1392.0	1338.9
4150.9	37.5°	3999.4	3813.1	3630.3	3295.1	2387.1	1708.9	1423.4	1323.3	1224.0	1152.6
4413.8	40°	4237.0	4014.2	3845.3	3377.8	2271.3	1501.7	1291.1	1199.6	1094.3	1018.6
4716.7	42.5°	4514.8	4255.3	4084.7	3420.5	2112.9	1354.6	1204.9	1115.2	1016.0	954.1
5041.5	45°	4804.7	4520.9	4303.2	3419.6	1936.1	1285.8	1177.0	1088.2	978.5	914.1
5374.9	47.5°	5108.5	4798.6	4492.1	3363.9	1782.9	1295.4	1161.3	1029.9	908.9	846.2
5711.8	50°	5413.2	5102.4	4674.9	3259.4	1717.6	1274.5	1103.0	948.0	805.3	748.7
6027.8	52.5°	5715.3	5425.4	4832.5	3110.5	1651.5	1197.0	1028.1	841.8	762.6	723.4
6354.3	55°	6019.1	5744.9	5004.0	2893.8	1486.1	1106.5	902.8	801.8	728.7	693.0
6673.8	57.5°	6323.8	6114.0	5166.8	2677.0	1278.0	995.1	834.0	753.0	694.7	664.2
6941.0	60°	6640.7	6536.2	5334.8	2477.6	1072.5	852.3	783.5	713.9	654.7	620.7
7197.8	62.5°	6967.1	7001.1	5466.3	2220.8	883.6	765.2	738.2	666.9	609.4	577.2
7410.3	65°	7296.2	7449.4	5552.5	1864.8	716.5	682.5	689.5	615.5	557.2	529.3
7566.1	67.5°	7544.3	7772.4	5528.1	1411.2	587.6	604.2	628.5	561.5	506.7	484.9
7540.8	70°	7572.2	7734.1	5287.8	966.3	491.9	527.6	560.6	508.4	451.8	436.2
7185.7	72.5°	7201.3	7211.8	4618.4	631.2	416.1	463.1	489.3	454.4	399.6	383.9
6286.4	75°	6228.9	5964.3	3390.9	416.1	348.2	397.8	422.2	397.8	344.7	348.2
4703.7	77.5°	4719.3	4224.0	2058.9	296.0	290.8	334.3	367.4	350.0	304.7	342.1
2365.3	80°	2431.5	2285.2	918.4	221.1	229.8	267.3	302.1	279.5	241.1	229.8
528.4	82.5°	557.2	647.7	362.2	158.4	166.3	192.4	230.7	209.8	173.2	146.3
220.3	85°	195.0	213.3	160.2	99.2	97.5	120.1	156.7	140.2	117.5	94.0
93.2	87.5°	61.8	81.0	60.1	40.0	41.8	54.0	72.3	66.2	54.8	35.7
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>
1849.1
1899.6
1979.7
2071.1
2154.7
2200.8
2248.7
2284.4
2290.5
2263.5
2162.5
1999.7
1789.0
1569.6
1356.3
1171.8
1033.4
966.3
924.5
854.9
752.2
723.4
689.5
659.0
618.1
576.3
528.4
485.8
437.0
383.0
336.0
301.2
209.8
144.5
99.2
37.4
0.0

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