

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: P948303

Luminaire Tested: **GALN-SB3B-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948303
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-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 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: 10051 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G3

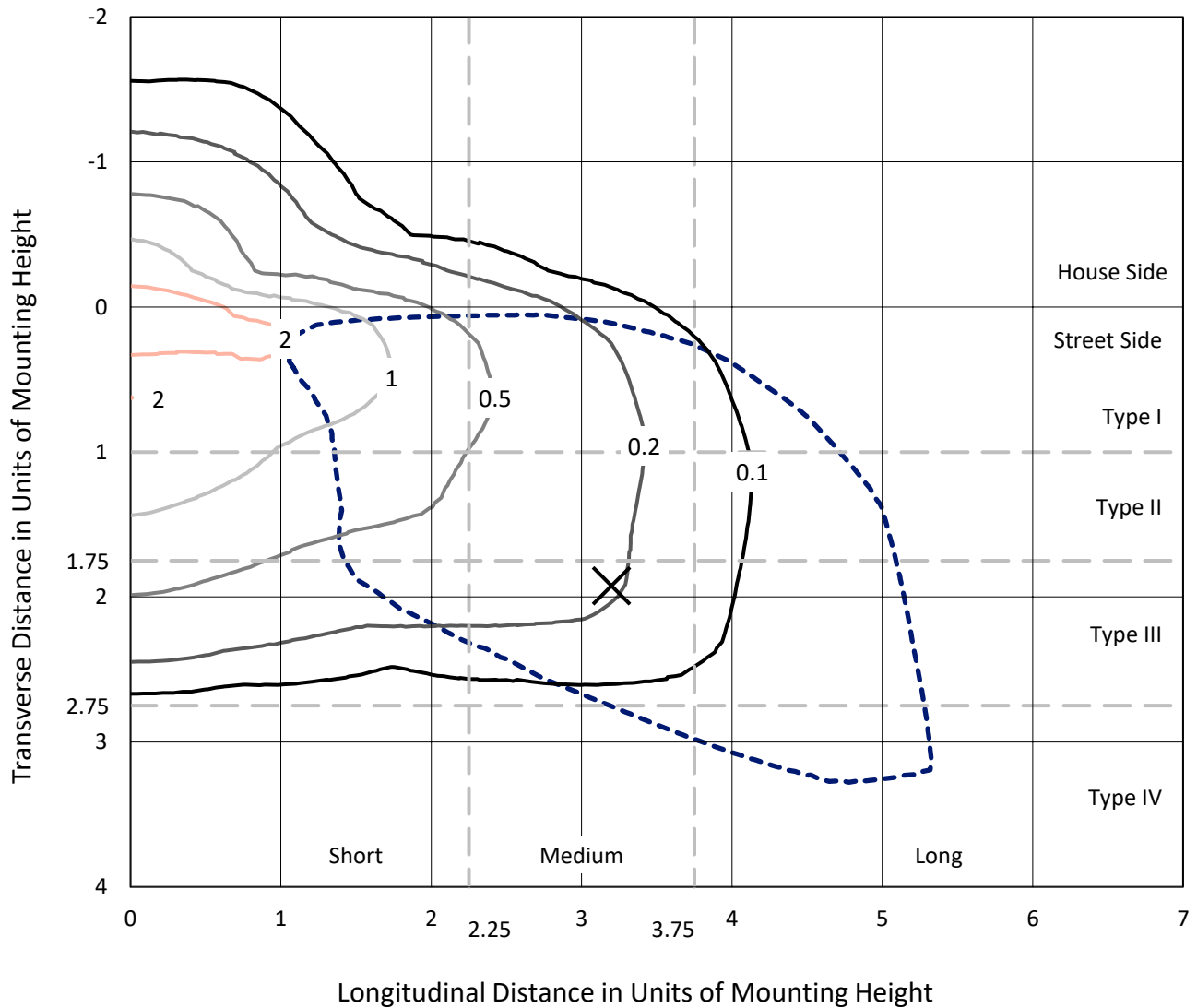
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

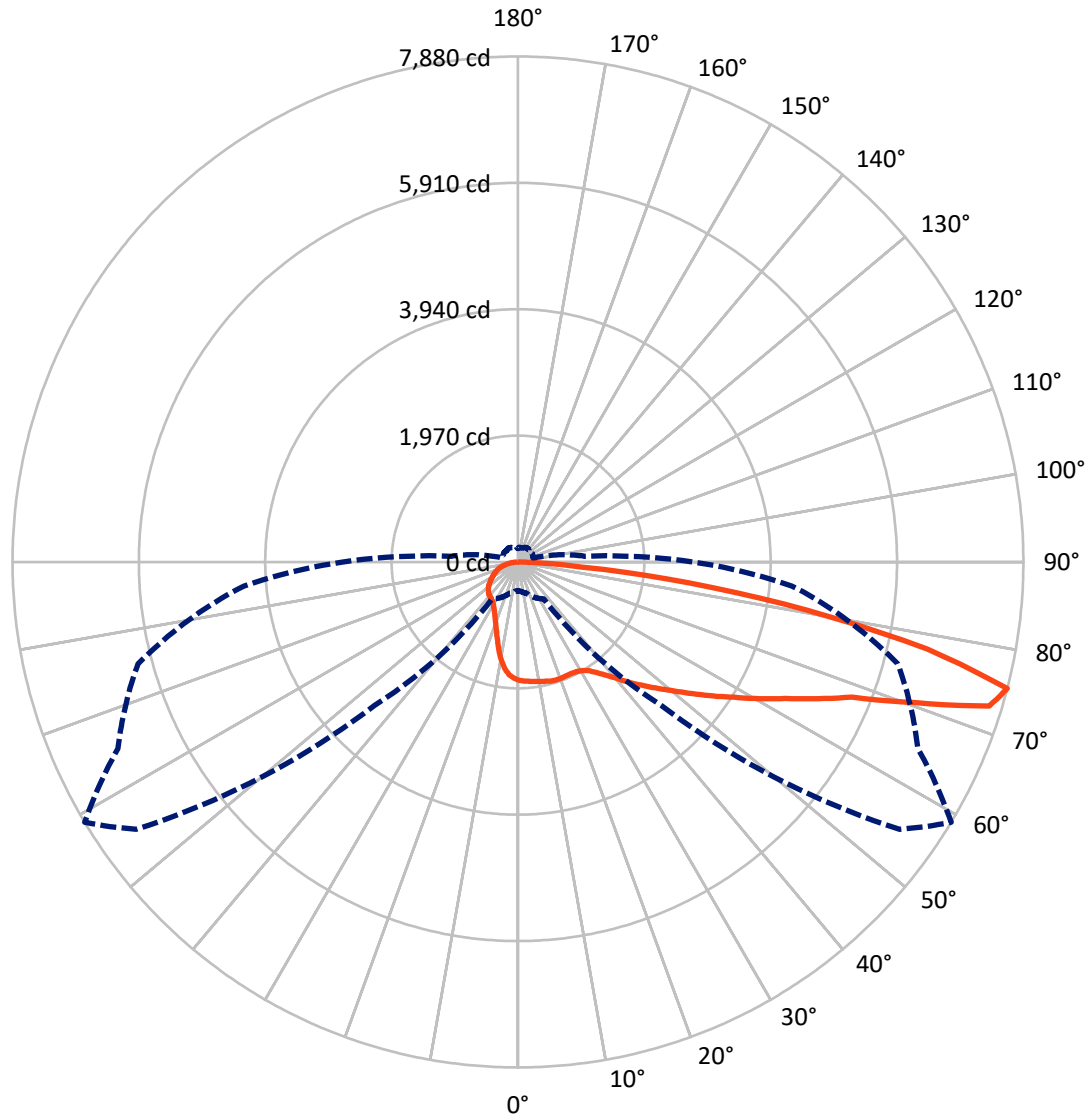
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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
House Side	Lumens	1885.1	0.0	1885.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	8165.9	0.0	8165.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	10051.0	0.0	10051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.4	1.6
10°-20°	422.8	4.2
20°-30°	642.2	6.4
30°-40°	954.7	9.5
40°-50°	1419.8	14.1
50°-60°	1927.1	19.2
60°-70°	2352.7	23.4
70°-80°	1846.4	18.4
80°-90°	319.8	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°	10051.0	100.0
0°-180°	10051.0	100.0

Coefficient of Utilization



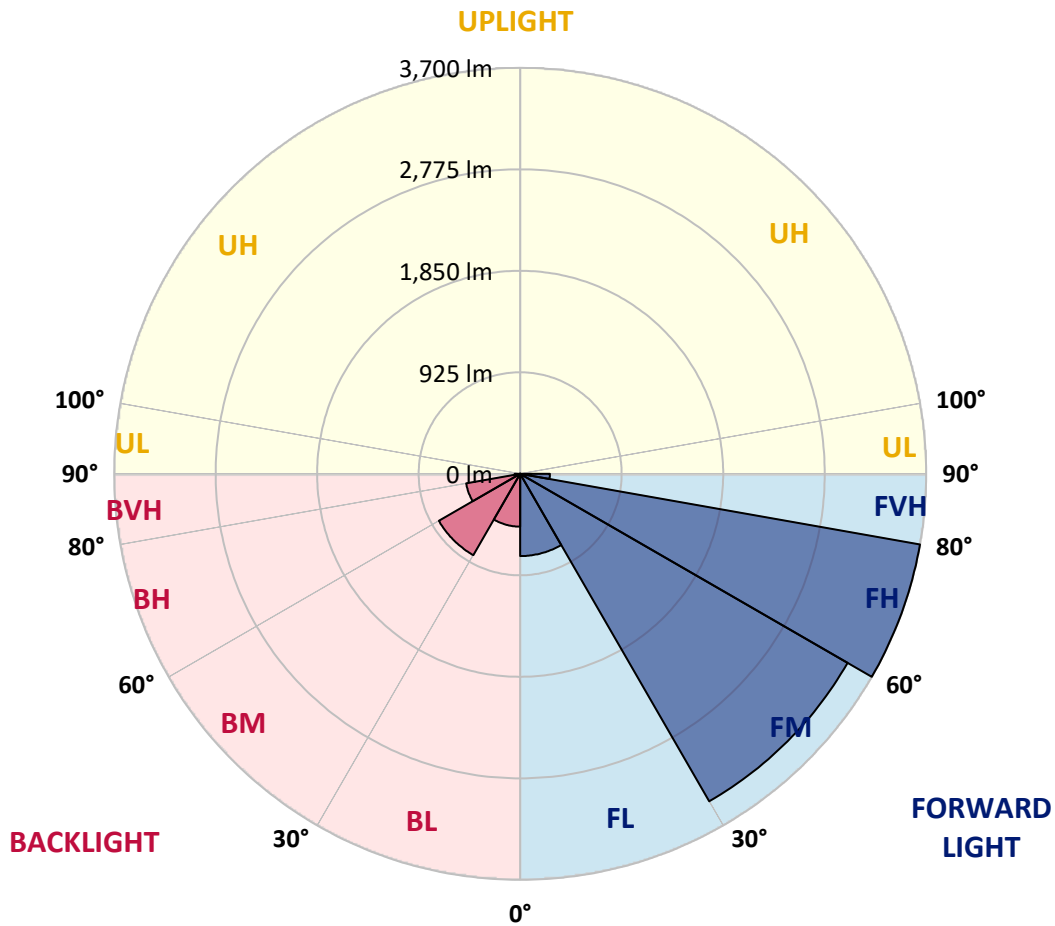
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	749.4	7.5			
FM (30°-60°)	3445.9	34.3			
FH (60°-80°)	3699.7	36.8			G2/5000
FVH (80°-90°)	270.9	2.7			G3/500
BL (0°-30°)	481.1	4.8	B1/500		
BM (30°-60°)	855.7	8.5	B1/1000		
BH (60°-80°)	499.4	5.0	B1/500		G1/500
BVH (80°-90°)	49.0	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	1844.8	1844.8	1844.8	1844.8	1844.8	1844.8	1844.8	1844.8	1844.8	1844.8
2.5°	1860.5	1854.0	1860.5	1857.8	1856.7	1854.6	1855.1	1858.9	1856.7	1859.4
5°	1848.1	1844.3	1850.8	1849.2	1856.2	1857.3	1864.3	1868.6	1871.3	1871.9
7.5°	1827.5	1823.8	1832.9	1840.5	1855.7	1860.0	1874.6	1881.6	1885.4	1891.9
10°	1752.4	1750.8	1773.5	1802.1	1837.8	1860.0	1882.1	1894.0	1900.0	1917.3
12.5°	1619.4	1621.5	1651.3	1706.4	1777.8	1849.2	1890.8	1908.1	1917.3	1938.9
15°	1492.3	1491.8	1524.2	1583.1	1683.2	1801.6	1895.1	1924.9	1940.5	1972.4
17.5°	1418.8	1416.6	1439.3	1484.2	1577.2	1728.6	1884.3	1934.1	1967.6	2007.6
20°	1405.3	1400.9	1412.8	1435.0	1501.0	1648.6	1856.2	1934.1	1989.2	2041.1
22.5°	1454.5	1447.4	1442.6	1439.9	1469.1	1582.6	1824.3	1927.6	2021.1	2089.2
25°	1553.4	1542.6	1517.7	1493.4	1484.7	1552.9	1796.2	1925.9	2068.7	2154.1
27.5°	1713.5	1699.9	1649.6	1591.3	1538.8	1568.0	1783.7	1935.7	2121.1	2222.8
30°	1911.9	1897.3	1834.0	1744.3	1650.2	1624.2	1799.4	1964.3	2188.2	2314.2
32.5°	2089.8	2073.6	2019.5	1928.1	1801.0	1721.6	1849.2	2018.9	2293.6	2441.2
35°	2247.7	2228.7	2180.1	2095.7	1986.0	1858.4	1938.9	2115.7	2443.4	2647.8
37.5°	2402.3	2380.1	2327.1	2237.9	2161.1	2040.6	2062.7	2240.1	2642.4	2898.6
40°	2575.3	2543.4	2479.1	2390.9	2316.3	2254.1	2225.5	2392.6	2844.6	3178.7
42.5°	2742.9	2712.6	2635.9	2560.7	2467.2	2449.3	2414.2	2571.0	3065.7	3486.4
45°	2923.5	2887.3	2794.3	2699.1	2640.2	2579.1	2596.9	2749.4	3282.5	3800.0
47.5°	3092.8	3052.2	2942.4	2836.5	2804.0	2688.3	2764.6	2945.7	3508.0	4117.9
50°	3184.1	3144.1	3052.7	2957.0	2931.6	2822.9	2946.2	3161.4	3744.3	4434.7
52.5°	3260.4	3217.1	3097.6	3044.6	3037.1	2969.5	3170.1	3408.0	3980.6	4714.8
55°	3341.5	3293.4	3140.9	3093.3	3127.9	3133.8	3435.6	3687.5	4230.4	4987.9
57.5°	3435.0	3373.9	3182.5	3134.4	3216.6	3326.3	3740.5	3977.3	4475.8	5240.9
60°	3523.1	3461.5	3262.5	3199.8	3312.3	3549.6	4090.3	4328.2	4753.8	5466.4
62.5°	3540.4	3489.6	3326.3	3325.8	3442.0	3810.3	4504.5	4682.4	4996.5	5689.2
65°	3240.9	3209.0	3112.2	3320.9	3628.0	4185.5	4965.7	5135.5	5305.3	5883.8
67.5°	2466.6	2471.0	2463.9	2866.7	3477.7	4724.6	5633.5	5620.5	5686.5	6102.2
70°	1127.9	1153.3	1318.7	1978.9	2786.2	4786.7	6737.6	6569.4	6165.0	6385.0
72.5°	609.4	628.8	696.4	958.6	1675.1	4255.8	7562.6	7682.1	6801.4	6575.3
75°	447.2	458.0	505.0	609.4	703.4	3163.0	7266.9	7880.0	6880.8	6131.4
77.5°	334.7	339.6	377.9	482.8	360.1	1667.5	5806.5	6526.1	5890.3	5037.6
80°	242.8	248.2	276.8	362.3	252.5	609.9	3987.1	4580.7	4034.1	3211.2
82.5°	167.6	169.8	182.2	246.6	176.3	236.8	2262.3	2686.2	2252.0	1126.8
85°	101.1	103.8	109.2	143.8	100.0	112.5	976.5	1010.0	673.2	269.3
87.5°	41.6	44.3	48.7	60.6	39.5	31.4	161.1	202.2	126.0	78.9
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°
1844.8	0°	1844.8	1844.8	1844.8	1844.8	1844.8	1844.8	1844.8	1844.8	1844.8	1844.8
1850.2	2.5°	1847.5	1843.8	1833.5	1819.4	1806.4	1790.2	1783.2	1777.3	1771.8	1761.6
1864.8	5°	1858.9	1848.6	1821.0	1785.4	1744.8	1700.5	1657.2	1627.5	1602.1	1583.1
1881.6	7.5°	1876.2	1856.7	1806.4	1733.5	1640.5	1545.3	1459.3	1398.2	1352.3	1335.5
1905.4	10°	1894.0	1870.8	1783.2	1654.5	1493.9	1347.4	1233.3	1170.6	1133.8	1121.9
1933.5	12.5°	1915.1	1881.1	1747.0	1544.8	1330.1	1169.5	1070.0	1033.3	1014.3	1007.8
1968.1	15°	1945.9	1889.7	1692.4	1407.4	1173.8	1039.7	975.4	950.0	940.3	939.7
2003.8	17.5°	1969.2	1891.3	1607.5	1260.4	1053.8	961.3	908.4	898.6	905.1	914.8
2038.9	20°	1995.2	1876.7	1496.1	1126.3	969.5	892.7	870.5	877.0	892.7	906.7
2085.4	22.5°	2013.5	1850.2	1361.5	1021.9	896.5	853.2	852.1	865.6	874.3	881.3
2140.1	25°	2029.8	1805.4	1218.7	934.3	836.4	829.4	841.3	837.0	831.0	837.0
2194.7	27.5°	2041.7	1734.5	1091.1	857.5	794.3	813.2	806.2	796.4	795.9	799.1
2259.0	30°	2037.9	1639.9	986.2	784.5	764.5	782.9	766.2	764.5	762.9	764.5
2355.8	32.5°	2037.9	1532.3	905.7	734.3	745.6	738.6	737.0	733.2	726.7	726.1
2487.2	35°	2049.2	1424.7	836.4	707.2	729.9	713.2	714.3	705.1	691.5	685.1
2661.3	37.5°	2072.5	1338.2	767.8	694.2	702.4	701.8	697.5	681.8	658.0	637.5
2878.6	40°	2128.7	1312.8	720.7	688.3	689.4	695.9	684.5	654.2	600.2	566.6
3099.2	42.5°	2216.8	1355.5	710.5	673.7	680.7	687.2	665.1	594.8	556.4	536.4
3330.7	45°	2328.8	1430.1	732.6	652.6	660.2	671.5	605.6	572.1	554.7	555.3
3559.9	47.5°	2470.4	1508.5	773.7	634.2	630.4	636.9	566.1	545.6	521.8	527.7
3780.0	50°	2634.2	1588.0	812.7	609.4	597.5	576.4	540.7	521.2	490.9	476.9
3992.5	52.5°	2811.6	1664.8	828.3	579.1	561.8	537.4	523.4	499.6	462.8	439.6
4193.1	55°	2979.7	1734.5	811.0	542.9	526.1	507.2	505.0	490.4	450.9	418.5
4371.5	57.5°	3138.7	1792.9	767.8	506.1	489.9	478.5	493.1	486.1	436.3	394.7
4540.2	60°	3273.3	1832.9	705.1	468.8	457.4	451.5	473.6	471.5	415.8	369.3
4691.6	62.5°	3380.4	1848.6	635.9	433.1	430.4	419.6	446.6	446.6	389.8	344.4
4824.6	65°	3464.2	1833.5	565.6	397.9	403.4	387.1	413.6	410.4	362.3	322.3
4977.6	67.5°	3538.3	1783.7	487.7	363.3	375.8	355.2	379.0	371.5	332.0	300.1
5110.1	70°	3571.3	1668.0	399.0	328.7	343.9	323.9	344.4	330.4	297.9	276.3
4964.6	72.5°	3306.3	1386.3	314.1	292.5	305.5	289.3	307.1	290.9	261.2	251.4
4287.1	75°	2735.4	1040.3	241.7	253.0	262.8	250.3	262.2	250.3	223.3	230.3
3166.8	77.5°	1986.5	702.4	184.9	211.4	215.7	209.2	219.5	206.0	181.7	180.1
1578.3	80°	987.8	411.5	144.9	167.1	165.5	161.1	173.0	166.5	146.0	154.6
426.1	82.5°	286.0	176.3	105.4	117.3	114.1	115.2	123.8	127.1	190.3	188.7
132.5	85°	89.8	69.2	63.3	65.4	62.2	63.8	73.0	144.9	134.1	78.4
41.1	87.5°	23.2	23.8	15.7	16.8	17.3	20.5	23.2	88.1	42.2	27.6
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>
1844.8
1756.7
1567.5
1306.3
1103.6
1009.5
941.9
918.6
911.6
885.1
840.8
804.5
770.5
733.2
691.5
644.5
571.0
536.4
558.0
542.9
480.7
439.0
418.5
392.5
367.7
342.8
320.1
297.9
272.0
243.3
210.3
171.9
153.0
193.0
84.9
29.2
0.0

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