

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: P940065

Luminaire Tested: **GALN-SB2D-950-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940065  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB2D-950-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14027 lumens  
Efficiency: N/A  
Efficacy: 95.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

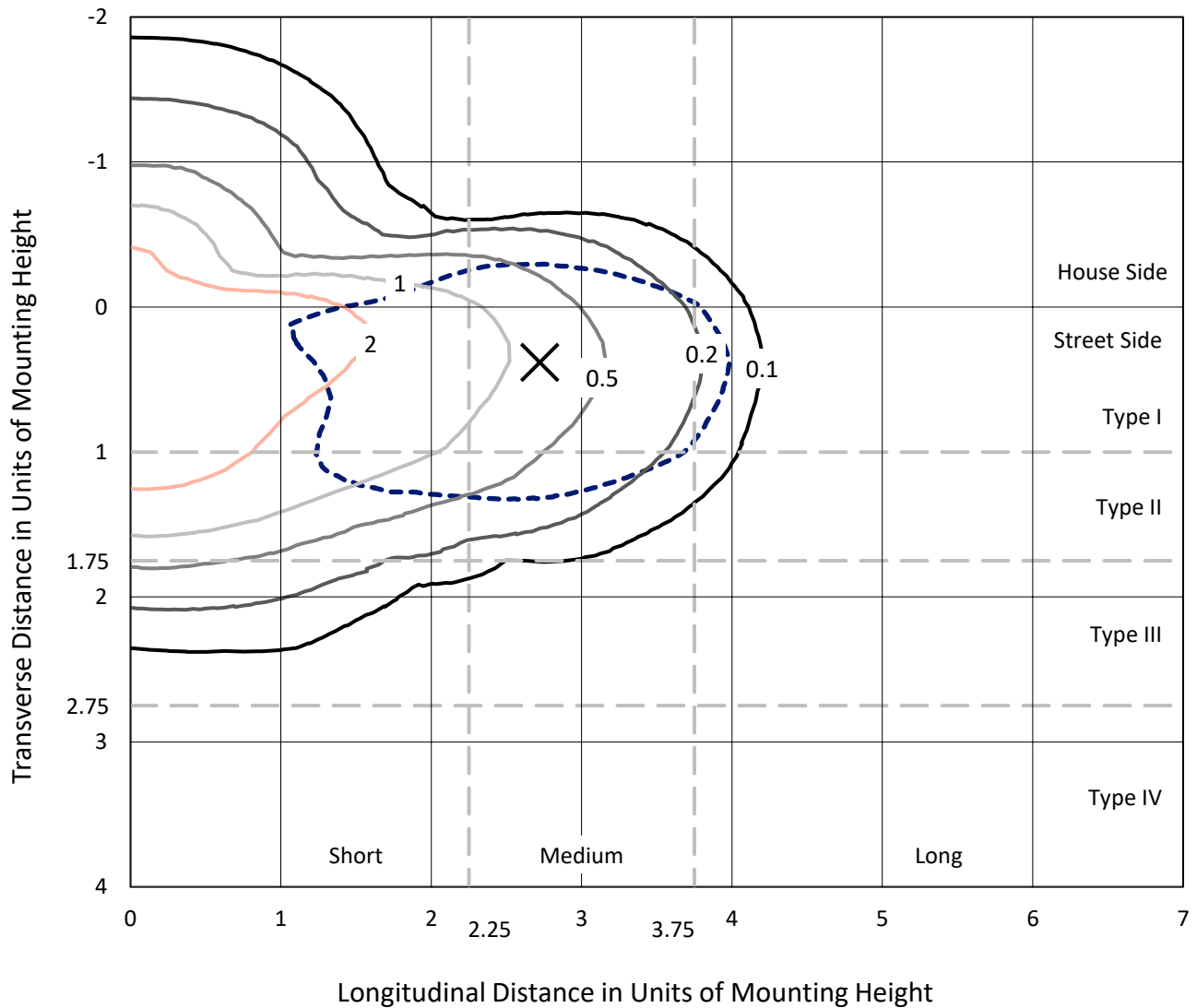
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

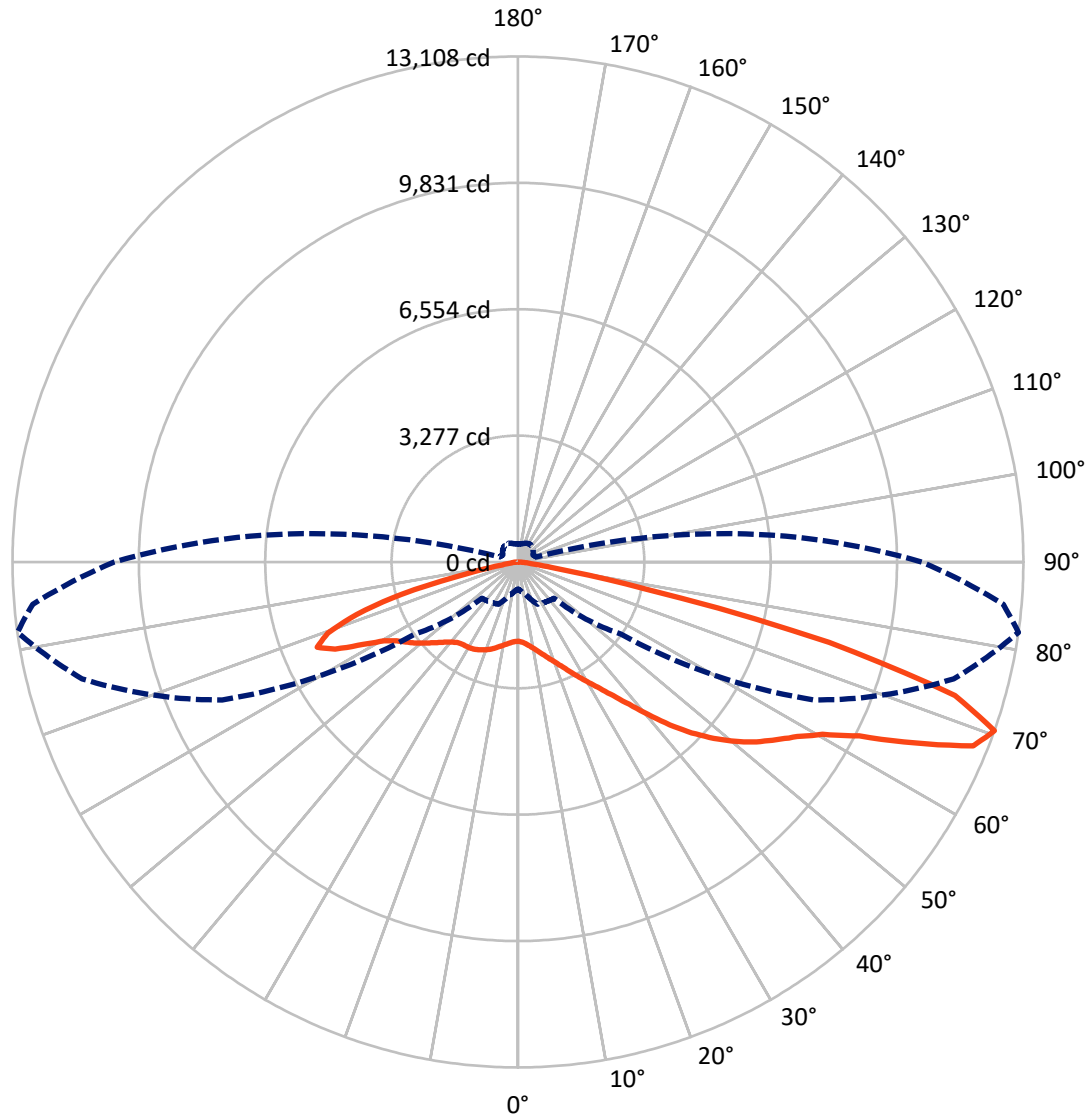
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3458.0	0.0	3458.0
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	10569.0	0.0	10569.0
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	14027.0	0.0	14027.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.2	1.4
10°-20°	557.9	4.0
20°-30°	933.3	6.7
30°-40°	1458.0	10.4
40°-50°	2322.0	16.6
50°-60°	3231.4	23.0
60°-70°	3380.2	24.1
70°-80°	1766.7	12.6
80°-90°	183.5	1.3
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°	14027.0	100.0
0°-180°	14027.0	100.0

**Coefficient of Utilization**



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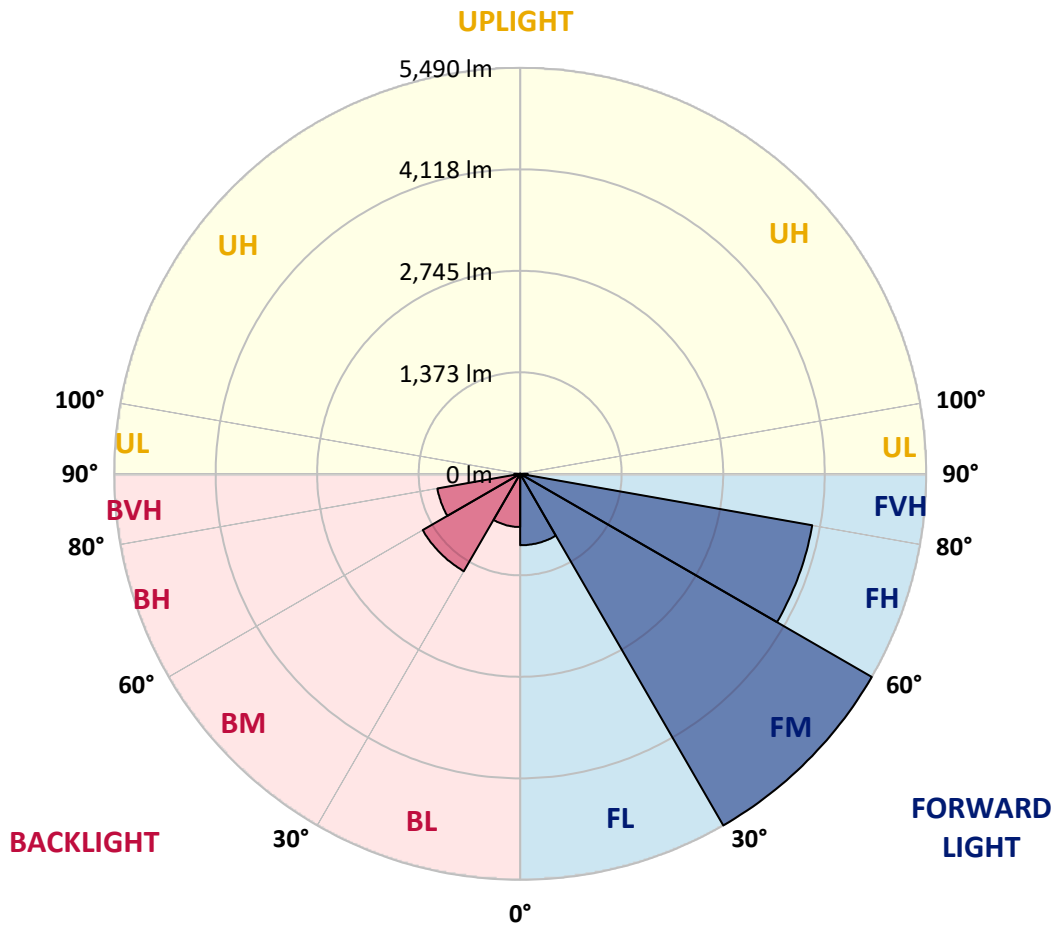
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	965.9	6.9			
FM (30°-60°)	5490.0	39.1			
FH (60°-80°)	4010.4	28.6			G2/5000
FVH (80°-90°)	102.7	0.7			G2/225
BL (0°-30°)	719.4	5.1	B2/1000		
BM (30°-60°)	1521.4	10.8	B2/2500		
BH (60°-80°)	1136.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	80.8	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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2056.5	2056.5	2056.5	2056.5	2056.5	2056.5	2056.5	2056.5	2056.5	2056.5
2.5°	2105.7	2117.6	2113.8	2110.1	2110.1	2104.9	2104.2	2096.7	2090.8	2081.1
5°	2132.5	2145.1	2143.6	2146.6	2156.3	2158.5	2160.7	2156.3	2144.4	2132.5
7.5°	2108.6	2122.8	2127.2	2145.1	2174.9	2201.7	2221.8	2230.0	2218.8	2201.7
10°	2028.2	2043.9	2059.5	2101.9	2154.8	2218.0	2271.6	2303.6	2301.4	2285.0
12.5°	1865.2	1881.6	1915.1	1997.7	2094.5	2206.1	2305.9	2372.9	2395.9	2384.0
15°	1735.0	1749.1	1774.4	1859.3	1985.1	2154.8	2318.5	2448.8	2507.6	2500.9
17.5°	1731.3	1737.2	1752.9	1793.0	1889.8	2074.4	2305.1	2523.2	2635.6	2634.9
20°	1796.8	1799.0	1807.9	1816.1	1871.2	2013.4	2270.9	2585.0	2779.3	2779.3
22.5°	1887.6	1886.1	1895.0	1887.6	1914.4	2008.2	2249.3	2639.3	2939.3	2951.2
25°	2023.8	2016.3	2014.1	1997.0	2002.2	2056.5	2273.1	2701.1	3129.1	3153.6
27.5°	2205.4	2193.5	2185.3	2145.9	2132.5	2156.3	2346.1	2775.5	3340.5	3382.9
30°	2442.1	2420.5	2408.6	2340.1	2291.7	2295.5	2456.2	2874.5	3561.5	3630.0
32.5°	2765.1	2731.6	2699.6	2587.2	2498.7	2469.6	2598.4	3011.5	3801.2	3910.6
35°	3126.9	3100.1	3065.8	2892.4	2756.2	2689.2	2790.4	3202.8	4081.8	4255.2
37.5°	3475.2	3452.1	3468.5	3234.8	3059.1	2961.6	3042.0	3459.6	4427.9	4684.0
40°	3835.4	3817.6	3819.8	3596.5	3391.8	3282.4	3347.2	3781.8	4824.6	5193.8
42.5°	4226.9	4213.5	4168.9	3970.9	3740.9	3638.9	3698.5	4154.0	5250.4	5774.4
45°	4665.3	4657.2	4615.5	4388.5	4125.0	4010.4	4090.7	4564.9	5678.4	6320.7
47.5°	5044.2	5050.9	5045.7	4854.4	4581.2	4413.0	4509.0	4993.6	6076.6	6834.3
50°	5226.6	5261.5	5312.9	5253.4	5083.6	4912.5	4931.1	5407.4	6456.2	7315.8
52.5°	5131.3	5197.5	5337.5	5432.7	5498.2	5462.5	5412.6	5818.3	6813.4	7750.5
55°	4776.2	4869.3	5101.5	5331.5	5665.7	5925.5	5991.0	6273.8	7161.8	8133.1
57.5°	4129.4	4280.5	4488.9	4954.1	5516.8	6149.5	6665.3	6905.7	7530.9	8541.7
60°	3020.4	3222.9	3481.9	4174.1	4995.8	6029.7	7239.2	7876.3	8055.7	9070.9
62.5°	1933.0	2058.0	2296.2	2948.2	3892.8	5415.6	7414.8	9089.5	8945.1	9938.8
65°	1323.4	1403.8	1621.9	1988.1	2516.5	4031.2	6944.4	9999.1	10357.8	11314.3
67.5°	961.7	1022.7	1208.8	1529.6	1639.7	2385.5	5388.8	9957.4	11731.1	12731.5
70°	701.1	744.3	900.6	1208.8	1261.6	1327.1	3264.6	8464.3	11701.3	13108.1
72.5°	519.5	549.3	654.3	937.8	1021.2	896.2	1615.9	6151.7	10054.9	11856.1
75°	375.9	398.2	475.6	717.5	817.3	682.5	806.1	3595.0	7013.7	8340.0
77.5°	287.3	304.4	355.0	525.5	654.3	512.1	500.2	1653.9	3325.6	3342.0
80°	230.7	241.9	269.4	369.9	501.7	383.3	326.0	667.6	1051.0	889.5
82.5°	169.7	188.3	227.8	259.8	358.8	264.2	198.7	337.2	399.7	343.9
85°	96.8	109.4	137.7	186.1	229.2	161.5	113.9	149.6	186.1	152.6
87.5°	34.2	44.7	48.4	72.9	99.7	67.0	43.9	43.2	61.0	45.4
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°
2056.5	0°	2056.5	2056.5	2056.5	2056.5	2056.5	2056.5	2056.5	2056.5	2056.5	2056.5
2078.9	2.5°	2071.4	2067.7	2052.8	2032.7	2011.9	1991.8	1985.1	1970.9	1961.3	1956.1
2127.2	5°	2113.1	2101.2	2066.2	2021.6	1974.7	1924.0	1888.3	1855.6	1831.8	1809.4
2193.5	7.5°	2172.6	2151.8	2091.5	2013.4	1930.0	1845.9	1783.4	1735.7	1703.7	1682.9
2270.9	10°	2241.9	2209.9	2117.6	2000.7	1871.9	1751.4	1677.7	1636.7	1616.6	1605.5
2359.5	12.5°	2321.5	2276.1	2144.4	1971.7	1783.4	1645.7	1595.1	1583.2	1583.9	1584.6
2471.1	15°	2419.8	2356.5	2165.9	1908.4	1668.0	1564.5	1555.6	1575.0	1595.1	1604.7
2597.6	17.5°	2530.7	2441.3	2169.7	1804.2	1554.9	1512.4	1540.7	1582.4	1612.9	1626.3
2739.1	20°	2649.8	2527.7	2142.9	1656.8	1461.8	1470.0	1520.6	1574.2	1607.7	1624.8
2900.6	22.5°	2786.0	2620.0	2078.9	1502.0	1385.9	1423.9	1483.4	1535.5	1570.5	1587.6
3090.4	25°	2941.5	2723.4	1978.4	1371.8	1320.4	1371.8	1431.3	1474.5	1502.8	1518.4
3302.5	27.5°	3114.2	2831.4	1844.4	1268.3	1263.1	1318.2	1367.3	1400.8	1415.7	1427.6
3528.0	30°	3287.6	2929.6	1682.1	1190.2	1213.2	1265.3	1300.3	1315.2	1319.7	1321.9
3779.6	32.5°	3475.2	3014.5	1511.7	1125.4	1165.6	1214.0	1234.8	1241.5	1220.7	1206.5
4084.8	35°	3702.2	3105.3	1345.0	1074.0	1118.7	1160.4	1167.1	1161.1	1136.6	1107.5
4467.4	37.5°	3982.8	3218.4	1211.7	1037.6	1074.8	1102.3	1094.1	1092.6	1094.9	1060.6
4927.3	40°	4326.7	3365.8	1114.2	1009.3	1039.1	1045.0	1021.9	1034.6	1045.8	993.7
5432.0	42.5°	4708.5	3543.7	1052.5	989.9	1009.3	995.1	959.4	973.6	972.1	903.6
5938.9	45°	5097.8	3737.2	1030.9	975.8	981.7	953.5	914.0	917.7	886.5	824.7
6424.9	47.5°	5484.8	3944.9	1044.3	963.9	947.5	915.5	885.0	868.6	822.5	776.3
6890.8	50°	5864.4	4162.9	1093.4	940.1	900.6	882.0	859.7	830.7	781.5	742.1
7331.5	52.5°	6216.5	4382.5	1148.5	900.6	841.8	853.0	838.8	805.3	757.0	716.8
7748.3	55°	6549.9	4602.1	1170.1	846.3	786.7	827.7	819.5	757.7	699.7	666.9
8184.5	57.5°	6913.2	4866.3	1146.2	777.1	742.1	798.6	767.4	698.9	665.4	640.9
8752.4	60°	7416.3	5280.9	1094.9	691.5	699.7	755.5	701.9	673.6	637.1	609.6
9603.9	62.5°	8252.2	6054.2	1012.3	606.6	649.8	691.5	670.6	642.3	605.1	578.3
11059.7	65°	9487.7	7129.0	856.7	540.4	594.0	628.9	637.1	608.8	570.1	541.9
12335.5	67.5°	10529.8	7803.4	648.3	485.3	536.6	578.3	601.4	573.9	532.9	505.4
12633.9	70°	10472.5	7313.6	495.0	431.0	486.0	528.5	558.2	536.6	492.7	466.7
11475.8	72.5°	9301.7	6118.2	400.4	375.9	434.7	476.4	512.1	495.7	451.1	425.7
8407.0	75°	6833.5	4343.1	320.1	320.1	370.7	422.0	461.5	451.1	410.1	392.3
3529.5	77.5°	2880.5	1822.1	250.8	265.7	308.1	362.5	411.6	415.3	379.6	401.9
933.4	80°	765.9	502.4	191.3	209.2	241.9	299.2	358.0	356.5	317.8	297.0
346.8	82.5°	291.8	198.0	136.2	147.4	174.9	229.2	283.6	292.5	253.8	219.6
136.2	85°	112.4	84.9	84.1	88.6	102.0	151.8	214.4	221.8	191.3	162.3
38.0	87.5°	29.0	25.3	31.3	29.8	46.9	81.1	122.8	127.3	116.9	67.7
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>
2056.5
1962.0
1818.4
1687.4
1608.5
1586.1
1604.0
1629.3
1629.3
1592.1
1522.9
1432.1
1327.1
1211.0
1109.0
1062.9
995.1
902.9
826.9
776.3
739.1
717.5
663.9
638.6
608.1
578.3
543.3
506.1
468.9
425.7
387.0
364.7
276.1
219.6
167.5
96.8
0.0

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