

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: P940324

Luminaire Tested: **GALN-SB3B-830-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-830-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11086 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

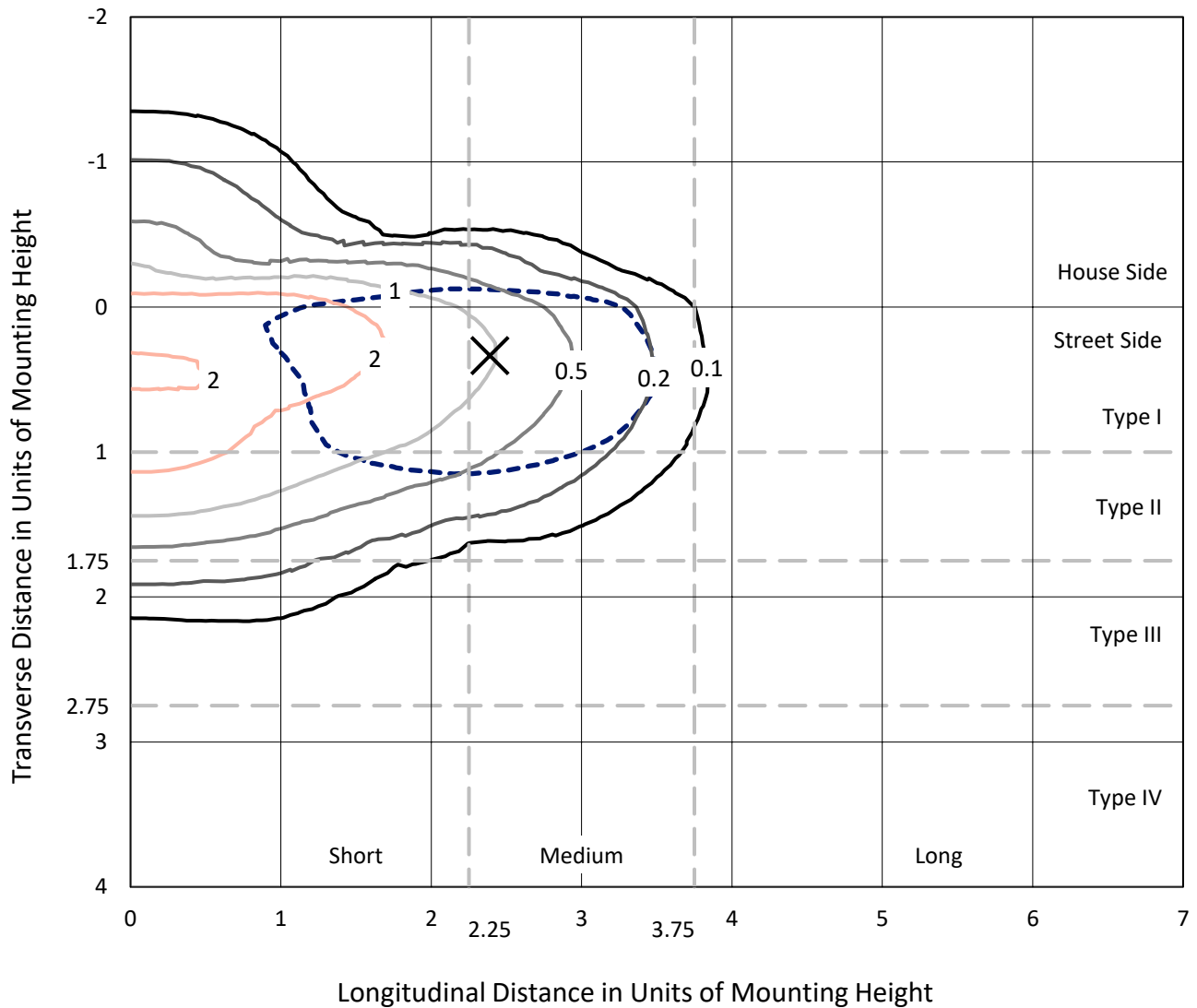
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

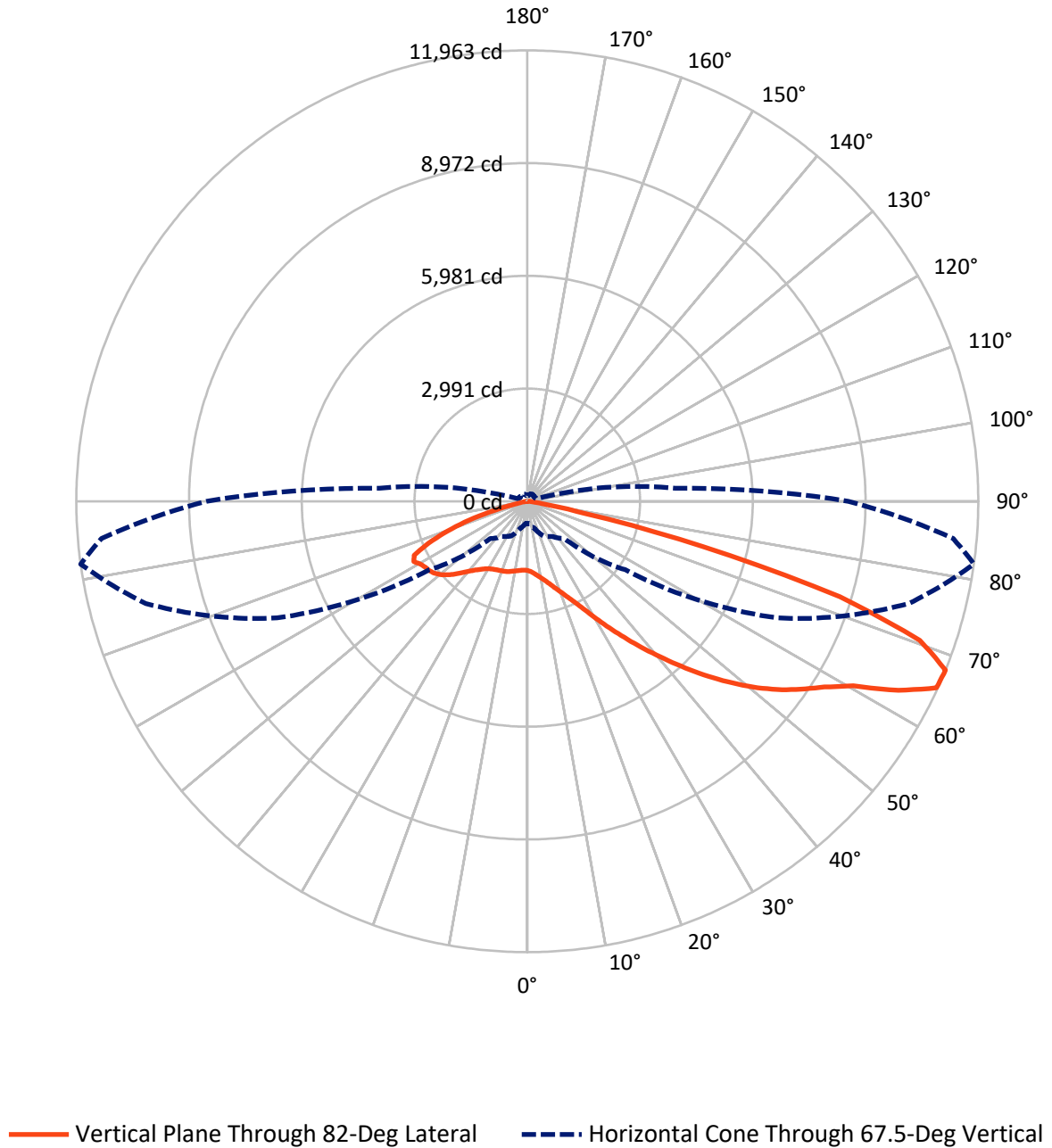
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2008.1	0.0	2008.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	9077.9	0.0	9077.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	11086.0	0.0	11086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.6	1.5
10°-20°	425.2	3.8
20°-30°	681.0	6.1
30°-40°	1204.3	10.9
40°-50°	2110.0	19.0
50°-60°	2814.1	25.4
60°-70°	2619.8	23.6
70°-80°	1005.5	9.1
80°-90°	62.5	0.6
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°	11086.0	100.0
0°-180°	11086.0	100.0

Coefficient of Utilization



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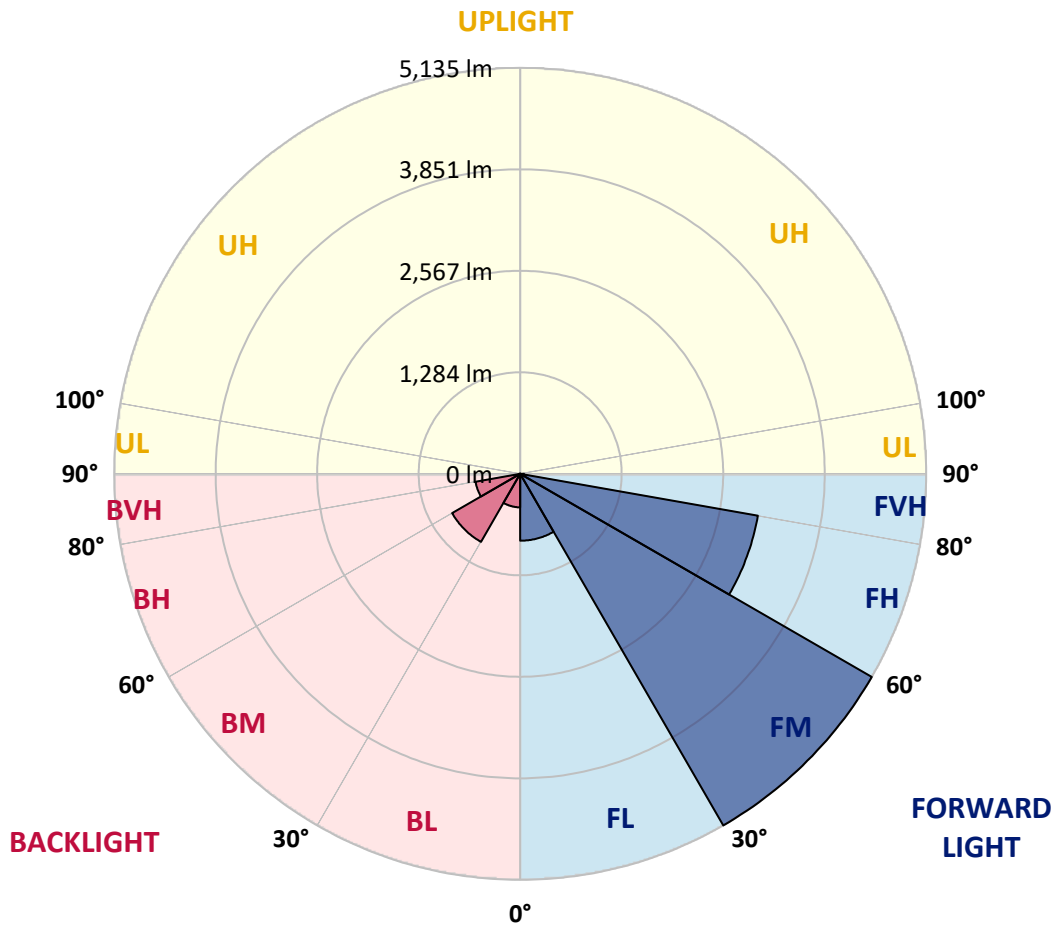
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	845.7	7.6			
FM (30°-60°)	5134.6	46.3			
FH (60°-80°)	3052.1	27.5			G2/5000
FVH (80°-90°)	45.4	0.4			G1/100
BL (0°-30°)	424.1	3.8	B1/500		
BM (30°-60°)	993.8	9.0	B1/1000		
BH (60°-80°)	573.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	17.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
2.5°	1941.1	1952.3	1945.9	1942.7	1937.1	1929.2	1922.8	1902.8	1882.1	1868.5
5°	1980.2	1991.4	1990.6	1993.8	1997.8	2000.2	1998.6	1976.3	1946.7	1923.6
7.5°	1946.7	1959.5	1969.9	1985.8	2013.8	2043.3	2057.7	2052.9	2022.5	1990.6
10°	1851.7	1865.3	1890.1	1927.6	1986.6	2050.5	2104.0	2128.7	2109.5	2074.4
12.5°	1677.7	1691.3	1740.0	1821.4	1920.4	2031.3	2133.5	2199.7	2204.5	2169.4
15°	1482.2	1495.8	1547.6	1649.8	1800.7	1978.6	2149.5	2274.8	2317.1	2286.7
17.5°	1360.9	1372.8	1412.0	1494.2	1651.4	1873.3	2143.9	2354.6	2451.2	2427.2
20°	1324.2	1334.5	1352.9	1410.4	1541.3	1763.9	2107.2	2429.6	2595.6	2582.1
22.5°	1363.3	1372.8	1378.4	1404.0	1486.2	1692.1	2060.9	2506.2	2763.2	2764.8
25°	1453.5	1463.0	1456.6	1472.6	1508.5	1669.8	2043.3	2596.4	2974.0	2991.5
27.5°	1601.9	1602.7	1587.5	1586.7	1592.3	1703.3	2061.7	2693.0	3239.7	3272.5
30°	1899.6	1887.7	1829.4	1766.3	1737.6	1803.9	2112.7	2807.1	3553.4	3611.7
32.5°	2358.6	2341.0	2234.1	2083.2	1931.6	1965.9	2204.5	2937.2	3895.0	4000.4
35°	2856.6	2851.8	2740.1	2515.8	2250.8	2196.5	2353.8	3108.1	4267.8	4435.4
37.5°	3319.6	3317.2	3253.3	2989.1	2666.7	2518.2	2593.2	3331.5	4666.9	4909.5
40°	3742.6	3749.8	3685.9	3449.7	3124.8	2930.9	2918.9	3607.7	5110.6	5425.9
42.5°	4108.1	4116.1	4051.5	3876.7	3577.4	3387.4	3318.8	3946.1	5544.0	5980.6
45°	4356.4	4405.9	4396.3	4256.6	4041.9	3844.8	3799.3	4370.7	6038.1	6568.9
47.5°	4426.6	4472.1	4543.9	4563.1	4432.2	4238.3	4292.5	4882.4	6537.8	7157.9
50°	4253.4	4295.7	4445.0	4643.7	4734.7	4674.8	4772.2	5430.7	7049.4	7745.4
52.5°	3911.8	3954.9	4143.3	4457.7	4828.9	5017.3	5253.5	5971.1	7545.0	8301.7
55°	3417.7	3463.2	3705.1	4061.1	4649.3	5158.5	5655.0	6510.6	7999.2	8802.2
57.5°	2745.7	2779.2	3030.6	3528.7	4197.5	5018.1	5951.1	7099.7	8427.0	9293.8
60°	1789.5	1819.0	2111.1	2666.7	3448.9	4548.7	6010.2	7756.6	8995.3	9933.1
62.5°	1190.1	1210.0	1383.2	1791.1	2428.8	3647.6	5664.6	8281.0	9828.6	11045.8
65°	816.5	836.5	1009.7	1293.8	1569.2	2412.8	4670.9	8211.5	10583.7	11929.4
67.5°	582.7	599.4	746.3	1014.5	1135.8	1401.6	3166.3	7324.0	10475.1	11962.9
70°	417.4	427.0	548.3	790.2	902.7	842.1	1760.7	5601.5	9171.7	11046.6
72.5°	292.1	295.3	380.7	601.8	727.1	614.6	838.1	3734.6	6936.8	8670.5
75°	197.9	201.9	256.2	441.4	583.5	469.3	443.8	2002.6	4072.2	4799.4
77.5°	121.3	122.9	165.2	301.7	436.6	357.6	285.7	848.4	1575.6	1546.8
80°	68.6	68.6	105.4	187.6	297.7	230.7	200.3	360.8	498.9	438.2
82.5°	38.3	39.1	76.6	116.5	197.1	136.5	110.1	166.8	215.5	190.8
85°	16.0	17.6	47.1	55.1	94.2	67.8	44.7	70.2	79.8	71.0
87.5°	1.6	2.4	14.4	10.4	11.2	13.6	6.4	13.6	11.2	11.2
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°
1836.6	0°	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6	1836.6
1863.7	2.5°	1848.5	1836.6	1806.2	1771.1	1724.8	1702.5	1672.2	1651.4	1633.8	1635.4
1910.0	5°	1884.5	1854.1	1786.3	1701.7	1596.3	1521.3	1441.5	1386.4	1341.7	1332.1
1973.9	7.5°	1934.0	1886.1	1767.1	1614.7	1436.7	1301.8	1181.3	1103.9	1048.8	1031.2
2051.3	10°	1997.8	1928.4	1742.4	1505.3	1249.1	1077.5	948.2	887.6	850.0	837.3
2142.3	12.5°	2072.0	1977.1	1709.7	1372.0	1056.0	890.8	808.5	778.2	766.2	762.2
2254.0	15°	2165.4	2037.7	1660.2	1214.0	892.3	776.6	741.5	737.5	739.1	737.5
2388.1	17.5°	2276.4	2104.0	1579.6	1051.2	782.2	718.3	705.6	708.8	712.8	712.0
2538.2	20°	2397.7	2169.4	1476.6	906.7	707.2	676.8	669.7	672.9	676.0	674.4
2711.4	22.5°	2535.8	2239.6	1362.5	794.2	656.9	638.5	630.5	631.3	631.3	628.2
2930.9	25°	2701.0	2317.1	1242.7	714.4	618.6	604.2	594.6	591.4	586.7	577.1
3197.4	27.5°	2898.1	2399.3	1127.8	658.5	588.2	574.7	563.5	555.5	543.5	527.6
3517.5	30°	3120.0	2499.1	1030.4	623.4	564.3	550.7	538.0	526.0	508.4	488.5
3885.5	32.5°	3381.0	2606.0	959.4	600.2	542.8	528.4	513.2	498.9	479.7	459.7
4298.9	35°	3692.3	2735.3	917.9	584.3	526.0	506.8	490.1	474.1	459.7	442.2
4748.3	37.5°	4029.9	2872.6	905.1	576.3	514.8	485.3	466.1	455.0	453.4	443.0
5234.4	40°	4399.5	3035.4	914.7	571.5	502.8	464.5	443.8	441.4	445.4	427.0
5754.0	42.5°	4790.6	3228.6	930.7	565.9	486.1	443.8	423.8	423.8	420.6	395.1
6303.1	45°	5213.6	3451.3	946.6	552.3	466.1	423.0	407.9	402.3	388.7	364.0
6855.4	47.5°	5639.8	3677.9	958.6	527.6	442.2	405.5	391.9	379.1	359.2	336.8
7397.4	50°	6044.5	3881.5	945.8	490.9	415.0	388.7	374.3	356.8	335.2	320.1
7910.6	52.5°	6406.1	4057.9	891.5	447.8	386.3	371.1	358.4	340.0	322.5	306.5
8373.5	55°	6720.5	4200.7	795.8	407.1	360.8	356.0	343.2	320.1	296.1	282.6
8832.5	57.5°	7022.2	4309.3	676.0	373.5	337.6	339.2	320.1	299.3	277.0	262.6
9451.1	60°	7423.7	4454.6	554.7	342.4	312.9	317.7	296.9	281.8	253.8	235.5
10511.8	62.5°	8065.4	4680.4	440.6	304.1	284.1	285.7	277.0	258.6	225.1	203.5
11298.0	65°	8574.7	4597.4	347.2	262.6	251.4	253.8	253.8	233.9	197.9	173.2
11340.3	67.5°	8517.2	3936.5	277.0	221.9	220.3	221.9	227.5	210.7	175.6	155.6
10476.7	70°	7846.0	3131.2	221.9	184.4	191.6	187.6	203.5	192.4	158.0	138.1
8122.1	72.5°	6402.1	2255.6	169.2	152.4	146.9	153.2	183.6	173.2	131.7	109.3
4302.1	75°	3741.0	1203.6	126.1	120.5	106.2	127.7	162.8	147.7	100.6	80.6
1318.6	77.5°	1218.0	419.8	92.6	88.6	79.0	103.0	138.9	124.5	82.2	63.9
386.3	80°	326.4	126.9	63.1	58.3	51.1	76.6	110.1	99.0	59.1	41.5
166.0	82.5°	130.9	53.5	36.7	32.7	27.9	52.7	87.0	79.8	43.9	26.3
51.9	85°	42.3	17.6	13.6	10.4	12.8	32.7	51.9	54.3	31.1	13.6
8.0	87.5°	5.6	2.4	2.4	3.2	2.4	5.6	16.0	15.2	8.8	1.6
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>
1836.6
1619.5
1310.6
1013.7
827.7
759.9
736.7
710.4
673.7
626.6
575.5
526.0
486.9
460.5
440.6
442.2
427.8
395.1
363.2
336.0
317.7
304.9
281.0
261.0
233.1
201.9
170.8
152.4
135.7
107.0
78.2
61.5
40.7
26.3
10.4
0.0
0.0

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