

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: P948225

Luminaire Tested: **GALN-SB3B-830-U-T2R**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948225  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)  
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-T2R  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

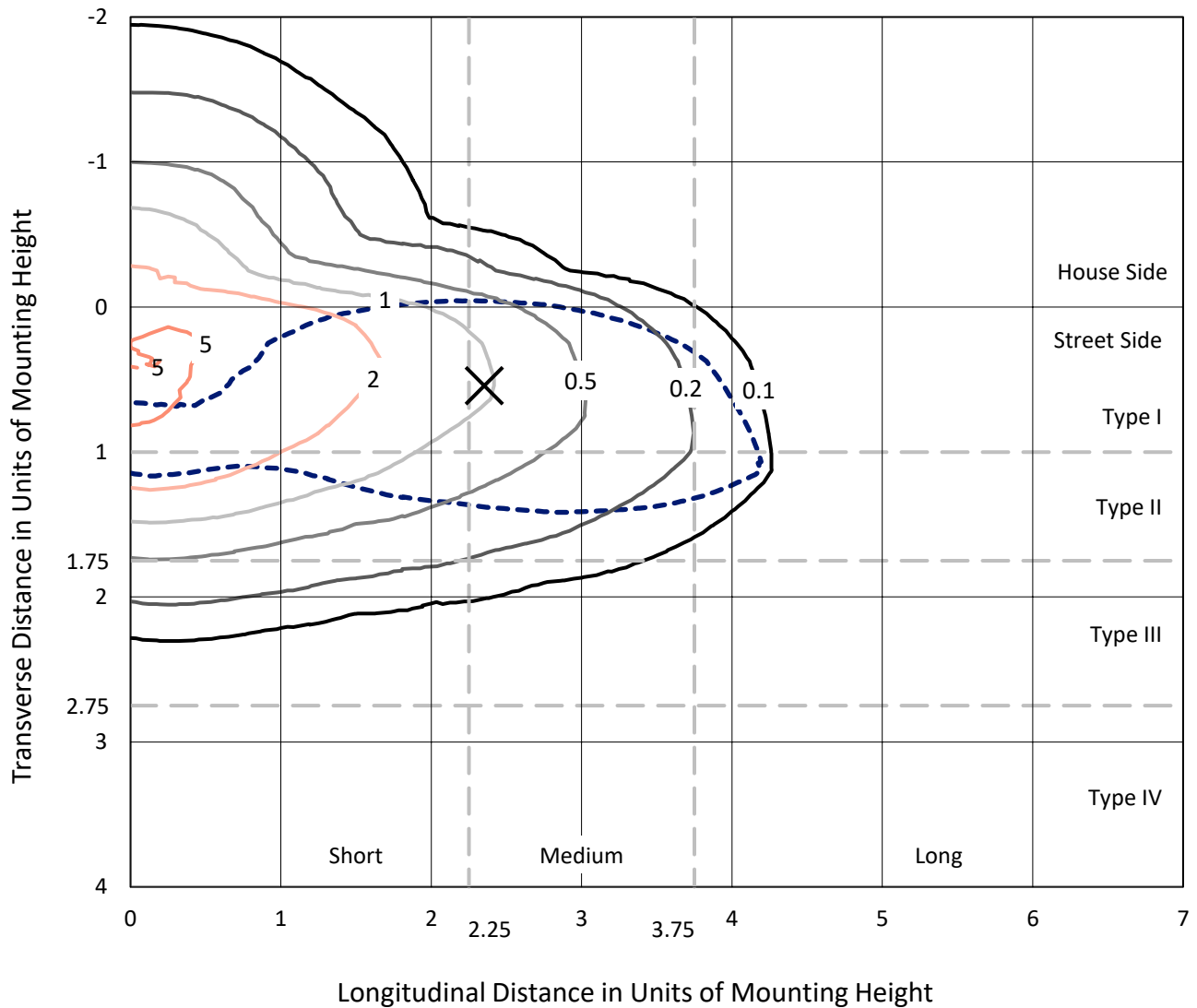
Lumens per Lamp: N/A  
Luminaire Lumens: 15463 lumens  
Efficiency: N/A  
Efficacy: 141.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

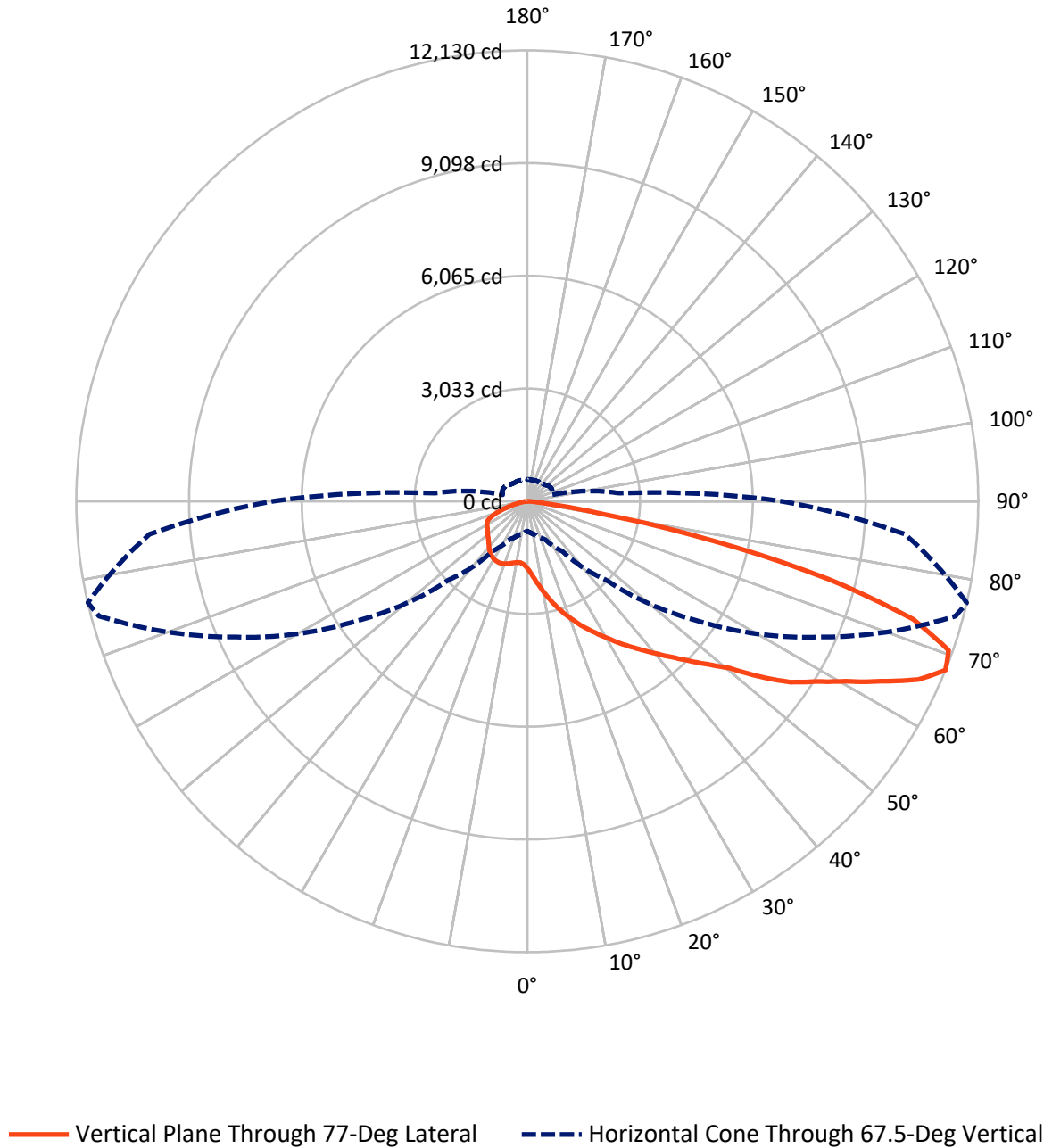
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2925.0	0.0	2925.0
	% Fixture	18.9	0.0	18.9
<b>Street Side</b>	Lumens	12538.0	0.0	12538.0
	% Fixture	81.1	0.0	81.1
<b>Total</b>	Lumens	15463.0	0.0	15463.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.5	1.3
10°-20°	698.6	4.5
20°-30°	1319.1	8.5
30°-40°	2125.1	13.7
40°-50°	2906.7	18.8
50°-60°	3278.8	21.2
60°-70°	3060.3	19.8
70°-80°	1677.6	10.8
80°-90°	202.4	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°	15463.0	100.0
0°-180°	15463.0	100.0

**Coefficient of Utilization**



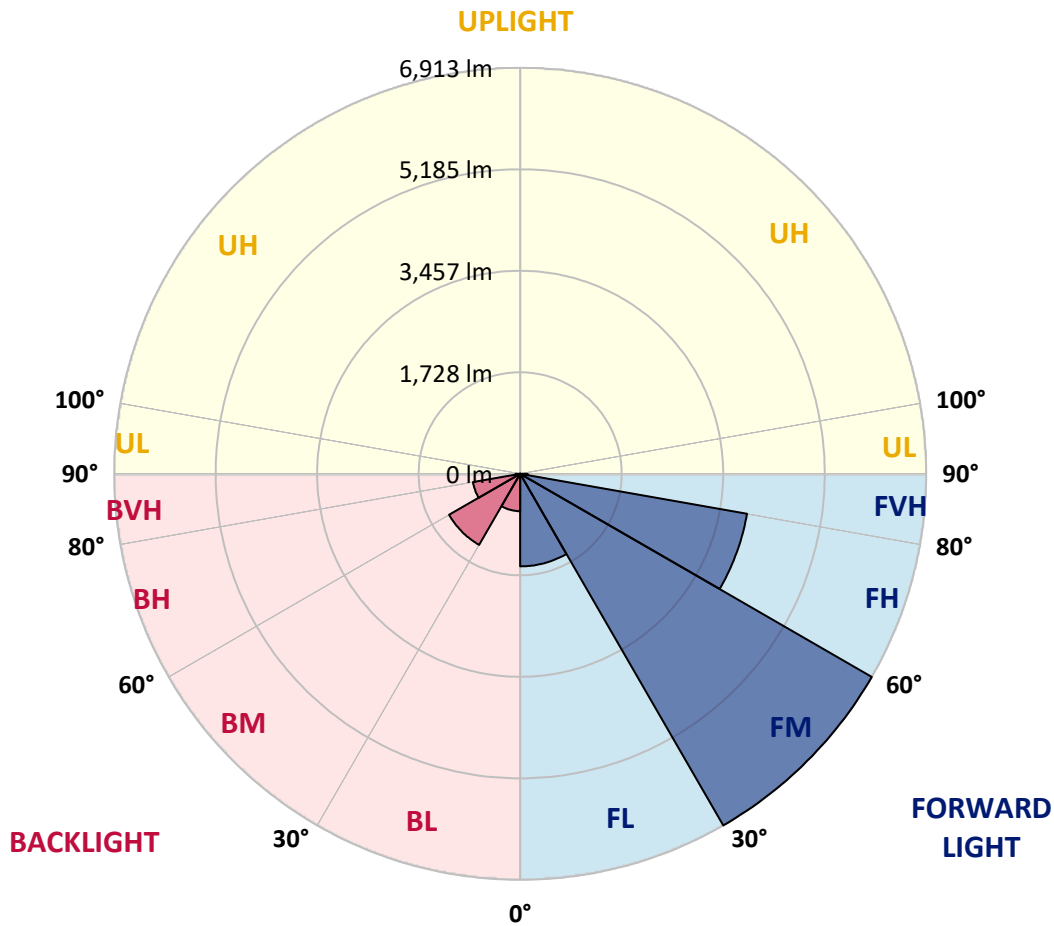
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1576.3	10.2			
FM (30°-60°)	6913.3	44.7			
FH (60°-80°)	3921.9	25.4			G2/5000
FVH (80°-90°)	126.5	0.8			G2/225
BL (0°-30°)	636.0	4.1	B2/1000		
BM (30°-60°)	1397.2	9.0	B2/2500		
BH (60°-80°)	816.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	75.8	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-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1814.3	1814.3	1814.3	1814.3	1814.3	1814.3	1814.3	1814.3	1814.3	1814.3
2.5°	2271.7	2287.6	2267.7	2267.7	2200.6	2165.5	2098.4	2047.4	1955.6	1939.6
5°	2685.1	2705.1	2677.1	2665.2	2586.1	2513.5	2401.0	2290.0	2126.4	2109.6
7.5°	3005.2	3030.7	3006.0	2993.2	2923.0	2841.6	2709.9	2555.0	2324.3	2291.6
10°	3266.2	3270.2	3262.2	3267.0	3211.9	3144.9	3010.0	2829.6	2541.4	2496.7
12.5°	3413.9	3432.2	3448.2	3476.9	3467.3	3425.8	3304.5	3089.0	2771.3	2713.9
15°	3483.3	3515.2	3551.2	3617.4	3670.9	3681.3	3588.7	3367.6	3005.2	2935.7
17.5°	3508.1	3538.4	3595.1	3690.8	3805.8	3883.2	3841.7	3638.2	3236.7	3156.8
20°	3633.4	3642.1	3676.5	3767.5	3892.0	4020.5	4051.6	3898.4	3465.7	3375.6
22.5°	3901.6	3884.0	3893.6	3935.1	4024.5	4149.0	4220.0	4128.2	3701.2	3597.5
25°	4344.6	4293.5	4242.4	4194.5	4240.0	4310.2	4390.9	4358.1	3947.9	3816.2
27.5°	4904.1	4841.8	4729.3	4572.0	4517.0	4541.7	4577.6	4571.2	4176.1	4042.8
30°	5454.8	5382.2	5248.1	5020.6	4875.4	4809.9	4782.8	4764.4	4424.4	4282.3
32.5°	5894.6	5837.2	5705.5	5450.9	5240.1	5128.4	5038.2	4972.7	4683.8	4541.7
35°	6279.4	6225.9	6075.0	5797.3	5568.2	5449.3	5331.1	5191.4	4953.6	4809.9
37.5°	6630.6	6577.1	6370.4	6081.4	5850.7	5768.5	5663.2	5426.1	5224.2	5088.5
40°	6852.5	6840.5	6647.3	6320.1	6080.6	6039.9	6004.8	5698.3	5524.3	5398.2
42.5°	6909.1	6935.5	6782.2	6513.2	6285.0	6252.2	6334.5	6006.4	5861.1	5740.6
45°	6772.7	6848.5	6747.9	6565.1	6430.2	6412.7	6626.6	6343.2	6233.9	6123.7
47.5°	6427.0	6555.6	6514.0	6488.5	6469.3	6545.2	6883.6	6700.8	6656.1	6560.3
50°	5729.4	5972.9	6045.5	6206.7	6391.9	6648.1	7117.5	7091.1	7149.4	7052.8
52.5°	4523.4	4858.6	5280.0	5683.9	6154.1	6613.8	7374.5	7651.5	7897.3	7844.6
55°	3733.9	3884.8	4208.9	4949.6	5692.7	6469.3	7490.2	8104.0	8639.6	8592.5
57.5°	3127.3	3262.2	3461.8	4080.4	4995.1	6141.3	7562.1	8380.2	9148.1	9143.3
60°	2476.8	2619.7	2824.0	3262.2	4180.1	5574.6	7546.1	8694.7	9797.0	9836.9
62.5°	1742.5	1899.7	2126.4	2535.1	3347.6	4840.2	7220.4	8922.2	10560.9	10669.4
65°	1145.4	1249.2	1420.0	1772.8	2494.3	3896.0	6598.7	8951.7	11378.2	11561.8
67.5°	803.0	842.9	943.5	1135.0	1644.3	2987.6	5608.1	8646.0	11923.4	12130.1
70°	626.6	646.5	697.6	774.2	1032.9	2009.0	4297.5	7851.0	11806.9	12022.4
72.5°	541.2	560.3	579.5	589.1	692.8	1240.4	2911.0	6564.3	10709.3	10855.4
75°	490.9	495.7	511.6	508.4	528.4	804.6	1680.2	4782.8	8449.7	8399.4
77.5°	412.7	419.1	445.4	441.4	469.3	550.0	872.4	3086.6	5478.0	5136.4
80°	349.6	352.8	381.5	376.7	407.9	398.3	445.4	1573.2	2323.5	1968.3
82.5°	121.3	150.1	291.3	300.1	311.3	241.1	257.0	641.7	709.6	543.6
85°	59.1	63.1	148.5	210.7	209.9	121.3	125.3	229.1	223.5	175.6
87.5°	9.6	12.0	17.6	82.2	65.5	31.9	43.1	44.7	46.3	39.9
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°
1814.3	0°	1814.3	1814.3	1814.3	1814.3	1814.3	1814.3	1814.3	1814.3	1814.3	1814.3
1878.9	2.5°	1834.2	1794.3	1710.5	1633.1	1572.4	1514.2	1481.4	1453.5	1437.5	1434.4
1966.7	5°	1883.7	1801.5	1649.1	1520.6	1436.7	1374.5	1341.8	1321.0	1310.6	1304.2
2084.9	7.5°	1954.8	1834.2	1617.1	1471.1	1383.3	1338.6	1321.8	1318.6	1317.8	1318.6
2227.8	10°	2052.9	1887.7	1613.9	1459.1	1385.7	1360.9	1360.1	1360.9	1364.1	1364.9
2383.4	12.5°	2159.1	1942.8	1626.7	1469.5	1416.0	1402.4	1400.0	1399.2	1401.6	1403.2
2540.6	15°	2274.8	2015.4	1648.3	1491.8	1449.5	1435.1	1432.8	1428.0	1427.2	1426.4
2705.9	17.5°	2393.8	2087.3	1672.2	1515.8	1471.1	1451.1	1442.3	1431.2	1422.4	1420.0
2876.7	20°	2514.3	2158.3	1689.0	1527.7	1472.7	1444.7	1427.2	1408.0	1392.8	1384.1
3049.1	22.5°	2642.8	2232.5	1699.4	1524.5	1458.3	1420.0	1388.1	1365.7	1342.6	1327.4
3223.1	25°	2768.1	2297.2	1698.6	1507.8	1430.4	1381.7	1341.0	1312.2	1280.3	1264.3
3402.7	27.5°	2888.7	2355.5	1678.6	1478.3	1390.5	1336.2	1287.5	1253.2	1222.0	1206.9
3583.9	30°	3013.2	2404.2	1647.5	1435.1	1343.4	1283.5	1230.0	1200.5	1172.5	1158.2
3775.4	32.5°	3136.9	2448.9	1603.6	1381.7	1289.1	1231.6	1178.9	1151.8	1135.0	1135.0
3981.4	35°	3267.8	2480.0	1545.3	1319.4	1231.6	1176.5	1135.0	1119.1	1117.5	1107.9
4199.3	37.5°	3405.9	2499.9	1474.3	1255.6	1174.9	1123.1	1110.3	1091.1	1075.2	1054.4
4438.7	40°	3551.2	2519.9	1388.9	1189.3	1115.1	1086.3	1080.8	1055.2	1009.7	958.6
4710.1	42.5°	3727.6	2533.5	1300.3	1123.1	1052.0	1042.4	1050.4	1006.5	933.9	895.6
5037.4	45°	3931.9	2555.8	1218.8	1057.6	987.4	987.4	1020.9	963.4	903.6	879.6
5410.9	47.5°	4196.9	2607.7	1143.0	985.8	927.5	943.5	955.4	911.5	878.0	848.5
5865.9	50°	4580.0	2732.2	1064.8	913.1	882.0	913.9	897.2	871.6	832.5	808.6
6589.1	52.5°	5055.7	2805.6	995.3	847.7	842.9	874.8	850.9	826.9	797.4	765.5
7137.4	55°	5379.8	2819.2	937.1	799.8	816.6	813.4	804.6	783.0	767.1	724.8
7678.6	57.5°	5742.2	2846.4	889.2	771.1	799.8	764.7	761.5	743.1	722.4	693.6
8338.7	60°	6175.6	2888.7	847.7	759.9	785.4	732.7	716.8	709.6	688.8	674.5
9132.9	62.5°	6648.1	2927.0	805.4	761.5	768.7	701.6	677.7	675.3	662.5	657.7
9878.4	65°	6970.6	2822.4	752.7	759.9	742.3	669.7	639.4	638.6	628.2	626.6
10201.7	67.5°	6858.1	2491.2	681.7	737.5	715.2	637.8	604.2	601.0	587.5	588.3
9864.1	70°	6294.5	2018.6	583.5	682.5	681.7	609.0	567.5	557.1	538.8	542.0
8576.6	72.5°	5237.7	1495.8	451.8	590.7	628.2	582.7	525.2	508.4	485.3	488.5
6331.3	75°	3782.6	1016.9	328.9	449.4	546.8	551.6	483.7	455.0	427.0	431.8
3524.0	77.5°	1935.6	576.3	241.9	309.7	429.4	501.3	446.2	407.9	401.5	446.2
1016.1	80°	631.4	288.9	167.6	217.1	281.8	410.3	391.1	347.2	345.6	356.0
213.1	82.5°	188.4	122.1	107.8	142.9	155.6	314.5	337.6	262.6	225.9	237.9
71.0	85°	64.7	59.1	61.5	71.0	74.2	184.4	236.3	174.0	164.4	181.2
16.0	87.5°	15.2	20.8	17.6	16.0	16.0	44.7	91.8	72.6	100.6	67.0
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>
1814.3
1434.4
1303.4
1321.0
1365.7
1404.0
1425.6
1422.4
1387.3
1328.2
1264.3
1206.1
1157.4
1135.8
1105.5
1051.2
951.4
896.4
883.6
847.7
806.2
759.1
725.6
684.1
678.5
657.7
625.8
588.3
545.2
487.7
433.4
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305.7
245.8
178.8
64.7
0.0

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