

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: P940124

Luminaire Tested: **GALN-SB3A-750-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940124  
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-SB3A-750-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

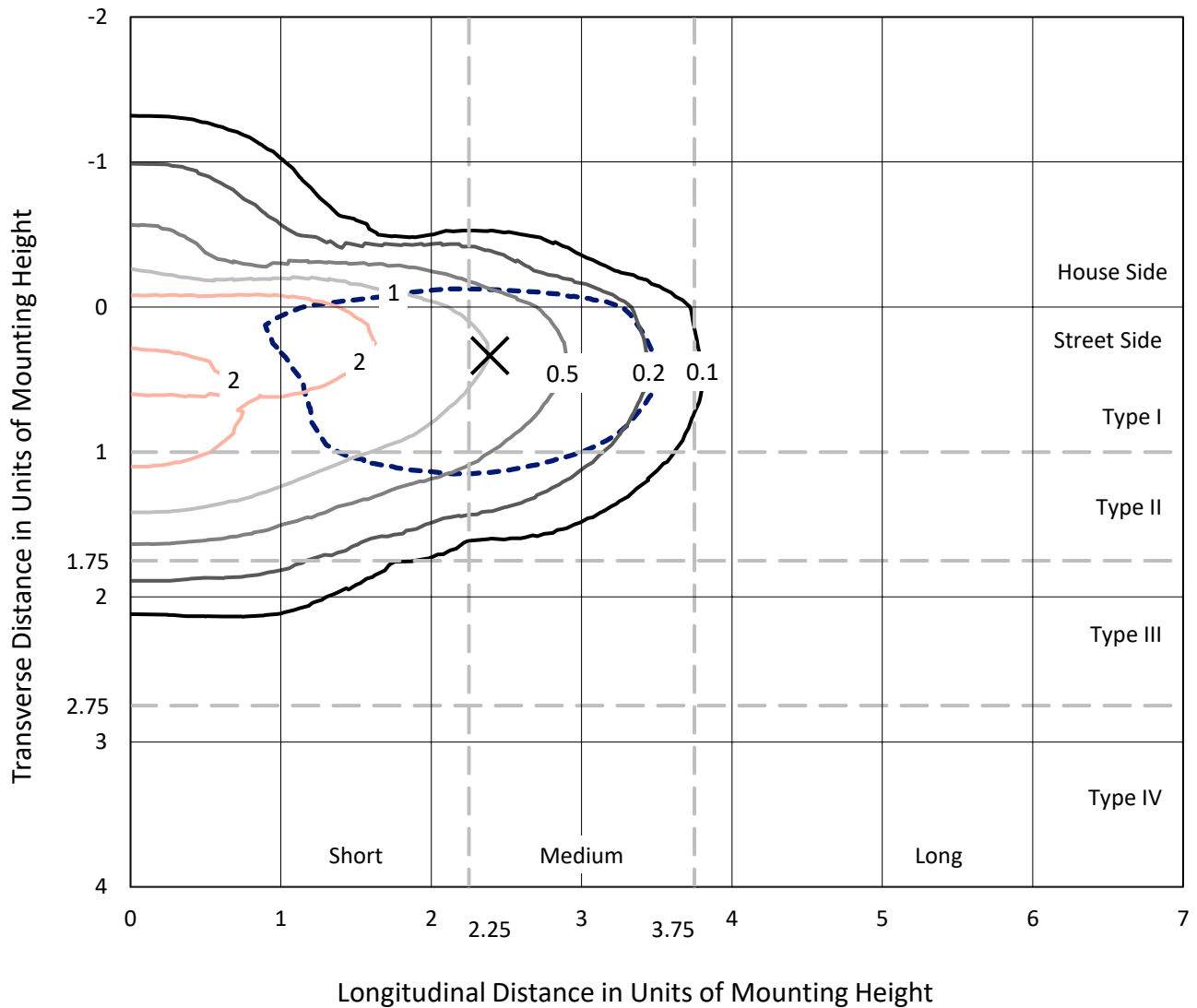
Lumens per Lamp: N/A  
Luminaire Lumens: 10398 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

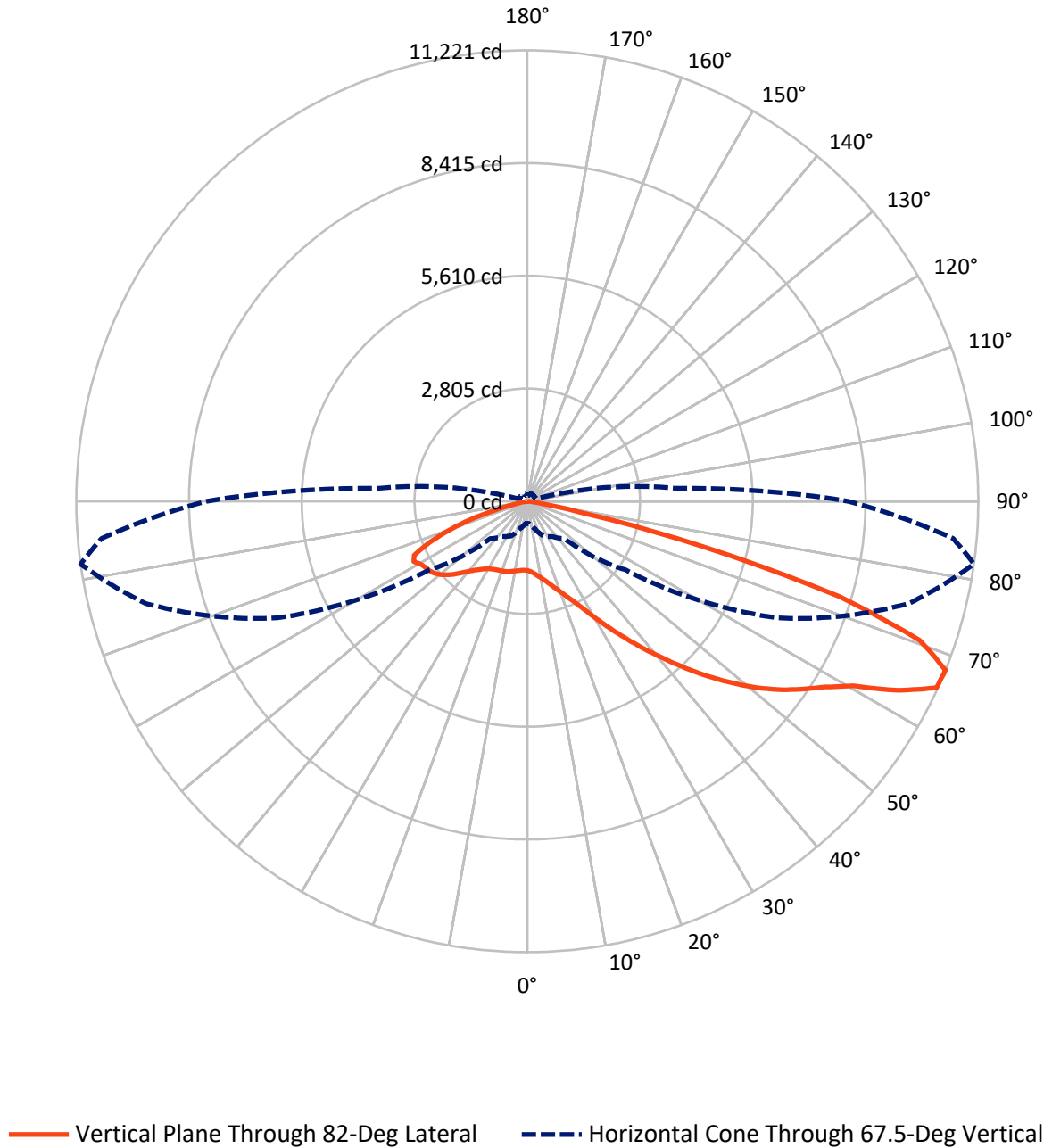
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	1883.5	0.0	1883.5
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	8514.5	0.0	8514.5
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	10398.0	0.0	10398.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.5	1.5
10°-20°	398.8	3.8
20°-30°	638.8	6.1
30°-40°	1129.5	10.9
40°-50°	1979.0	19.0
50°-60°	2639.5	25.4
60°-70°	2457.2	23.6
70°-80°	943.1	9.1
80°-90°	58.6	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°	10398.0	100.0
0°-180°	10398.0	100.0

**Coefficient of Utilization**



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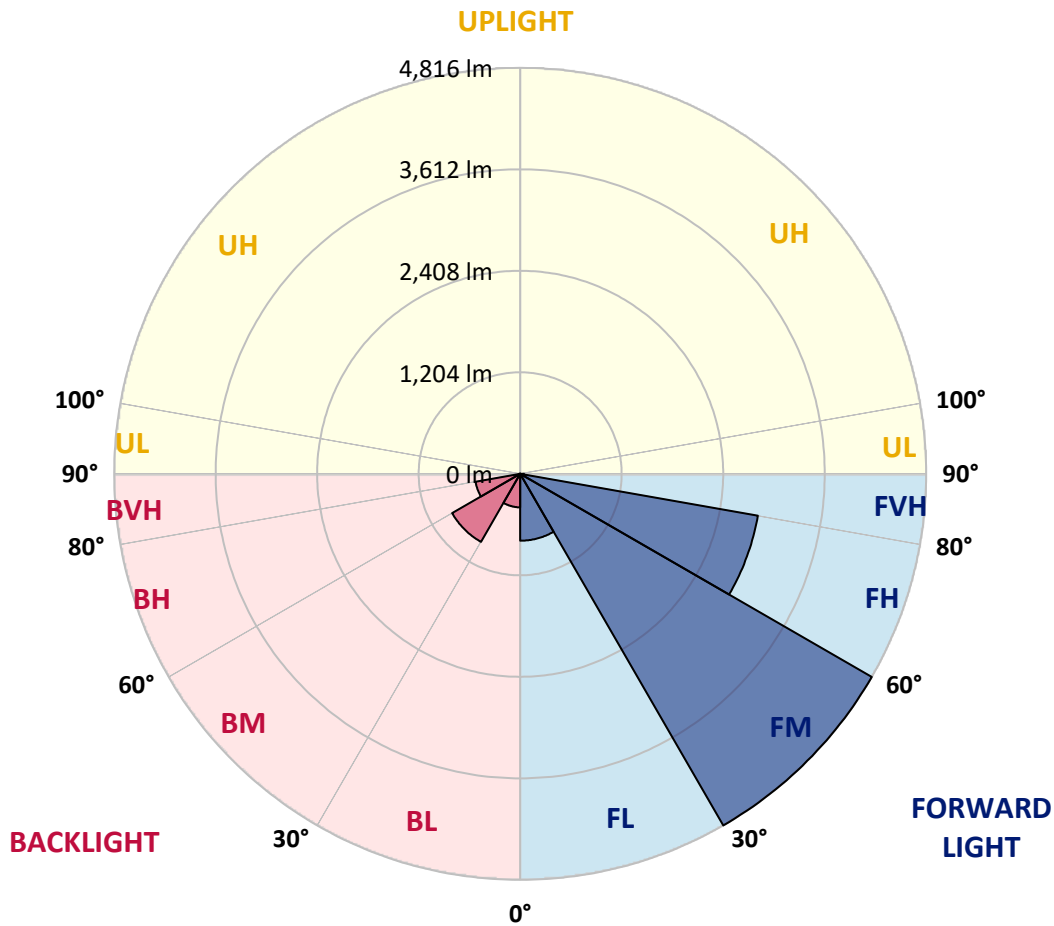
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	793.3	7.6			
FM (30°-60°)	4815.9	46.3			
FH (60°-80°)	2862.7	27.5			G2/5000
FVH (80°-90°)	42.6	0.4			G1/100
BL (0°-30°)	397.8	3.8	B1/500		
BM (30°-60°)	932.1	9.0	B1/1000		
BH (60°-80°)	537.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	16.0	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°	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6
2.5°	1820.7	1831.1	1825.2	1822.2	1816.9	1809.4	1803.4	1784.7	1765.3	1752.5
5°	1857.4	1867.8	1867.1	1870.1	1873.8	1876.1	1874.6	1853.6	1825.9	1804.2
7.5°	1825.9	1837.9	1847.6	1862.6	1888.8	1916.5	1930.0	1925.5	1897.0	1867.1
10°	1736.8	1749.5	1772.8	1807.9	1863.3	1923.2	1973.4	1996.6	1978.6	1945.7
12.5°	1573.6	1586.3	1632.0	1708.4	1801.2	1905.3	2001.1	2063.2	2067.7	2034.8
15°	1390.2	1402.9	1451.6	1547.4	1688.9	1855.9	2016.1	2133.6	2173.3	2144.8
17.5°	1276.4	1287.6	1324.3	1401.4	1548.9	1757.0	2010.8	2208.5	2299.0	2276.6
20°	1242.0	1251.7	1268.9	1322.8	1445.6	1654.5	1976.4	2278.8	2434.5	2421.8
22.5°	1278.7	1287.6	1292.9	1316.8	1393.9	1587.1	1933.0	2350.7	2591.8	2593.3
25°	1363.3	1372.2	1366.2	1381.2	1414.9	1566.1	1916.5	2435.3	2789.4	2805.9
27.5°	1502.5	1503.2	1489.0	1488.3	1493.5	1597.6	1933.7	2525.9	3038.7	3069.4
30°	1781.7	1770.5	1715.9	1656.7	1629.8	1691.9	1981.6	2632.9	3332.9	3387.5
32.5°	2212.2	2195.7	2095.4	1953.9	1811.7	1843.9	2067.7	2755.0	3653.3	3752.1
35°	2679.3	2674.9	2570.0	2359.7	2111.1	2060.2	2207.7	2915.2	4002.9	4160.1
37.5°	3113.6	3111.3	3051.4	2803.6	2501.2	2361.9	2432.3	3124.8	4377.2	4604.8
40°	3510.3	3517.1	3457.2	3235.6	2930.9	2749.0	2737.7	3383.8	4793.5	5089.2
42.5°	3853.2	3860.7	3800.0	3636.1	3355.4	3177.2	3112.8	3701.2	5200.0	5609.5
45°	4086.0	4132.4	4123.5	3992.4	3791.1	3606.1	3563.5	4099.5	5663.4	6161.2
47.5°	4151.9	4194.6	4261.9	4279.9	4157.1	3975.2	4026.1	4579.4	6132.0	6713.7
50°	3989.4	4029.1	4169.1	4355.5	4440.9	4384.7	4476.1	5093.7	6611.9	7264.7
52.5°	3669.0	3709.5	3886.1	4181.1	4529.2	4705.9	4927.5	5600.5	7076.8	7786.5
55°	3205.6	3248.3	3475.1	3809.0	4360.8	4838.4	5304.0	6106.6	7502.8	8255.9
57.5°	2575.3	2606.7	2842.5	3309.7	3937.0	4706.6	5581.8	6659.1	7904.0	8717.0
60°	1678.4	1706.1	1980.1	2501.2	3234.8	4266.4	5637.2	7275.2	8437.1	9316.7
62.5°	1116.2	1134.9	1297.4	1679.9	2278.1	3421.2	5313.0	7767.0	9218.6	10360.3
65°	765.8	784.6	947.0	1213.5	1471.8	2263.1	4381.0	7701.9	9926.8	11189.0
67.5°	546.5	562.2	700.0	951.5	1065.3	1314.6	2969.8	6869.4	9825.0	11220.5
70°	391.5	400.5	514.3	741.1	846.7	789.8	1651.5	5253.9	8602.5	10361.0
72.5°	274.0	277.0	357.1	564.5	682.0	576.4	786.1	3502.8	6506.3	8132.4
75°	185.7	189.4	240.3	414.0	547.2	440.2	416.2	1878.3	3819.5	4501.5
77.5°	113.8	115.3	155.0	283.0	409.5	335.4	268.0	795.8	1477.8	1450.8
80°	64.4	64.4	98.8	175.9	279.2	216.4	187.9	338.4	467.9	411.0
82.5°	35.9	36.7	71.9	109.3	184.9	128.0	103.3	156.5	202.1	178.9
85°	15.0	16.5	44.2	51.7	88.3	63.6	41.9	65.9	74.9	66.6
87.5°	1.5	2.2	13.5	9.7	10.5	12.7	6.0	12.7	10.5	10.5
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°
1722.6	0°	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6	1722.6
1748.1	2.5°	1733.8	1722.6	1694.1	1661.2	1617.8	1596.8	1568.4	1548.9	1532.4	1533.9
1791.5	5°	1767.5	1739.1	1675.4	1596.1	1497.3	1426.9	1352.0	1300.4	1258.4	1249.5
1851.4	7.5°	1813.9	1769.0	1657.5	1514.5	1347.5	1221.0	1108.0	1035.4	983.7	967.2
1924.0	10°	1873.8	1808.7	1634.3	1411.9	1171.6	1010.6	889.4	832.5	797.3	785.3
2009.3	12.5°	1943.4	1854.4	1603.6	1286.9	990.4	835.5	758.4	729.9	718.7	714.9
2114.1	15°	2031.0	1911.3	1557.1	1138.7	837.0	728.4	695.5	691.7	693.2	691.7
2239.9	17.5°	2135.1	1973.4	1481.5	985.9	733.7	673.8	661.8	664.8	668.5	667.8
2380.6	20°	2248.9	2034.8	1385.0	850.4	663.3	634.8	628.1	631.1	634.1	632.6
2543.1	22.5°	2378.4	2100.7	1277.9	744.9	616.1	598.9	591.4	592.2	592.2	589.2
2749.0	25°	2533.4	2173.3	1165.6	670.0	580.2	566.7	557.7	554.7	550.2	541.3
2999.0	27.5°	2718.3	2250.4	1057.8	617.6	551.7	539.0	528.5	521.0	509.8	494.8
3299.2	30°	2926.4	2344.0	966.5	584.7	529.3	516.6	504.6	493.3	476.9	458.2
3644.3	32.5°	3171.2	2444.3	899.9	563.0	509.1	495.6	481.4	467.9	449.9	431.2
4032.1	35°	3463.2	2565.6	860.9	548.0	493.3	475.4	459.7	444.7	431.2	414.7
4453.6	37.5°	3779.8	2694.3	848.9	540.5	482.9	455.2	437.2	426.7	425.2	415.5
4909.5	40°	4126.4	2847.0	857.9	536.0	471.6	435.7	416.2	414.0	417.7	400.5
5396.9	42.5°	4493.3	3028.2	872.9	530.8	455.9	416.2	397.5	397.5	394.5	370.6
5911.9	45°	4890.0	3237.1	887.9	518.1	437.2	396.8	382.5	377.3	364.6	341.4
6430.0	47.5°	5289.8	3449.7	899.1	494.8	414.7	380.3	367.6	355.6	336.9	315.9
6938.3	50°	5669.4	3640.6	887.1	460.4	389.3	364.6	351.1	334.6	314.4	300.2
7419.7	52.5°	6008.5	3806.0	836.2	420.0	362.3	348.1	336.1	318.9	302.4	287.5
7853.9	55°	6303.5	3940.0	746.4	381.8	338.4	333.9	321.9	300.2	277.7	265.0
8284.3	57.5°	6586.4	4041.9	634.1	350.4	316.7	318.2	300.2	280.7	259.8	246.3
8864.5	60°	6963.0	4178.1	520.3	321.2	293.5	298.0	278.5	264.3	238.1	220.8
9859.5	62.5°	7564.9	4390.0	413.2	285.2	266.5	268.0	259.8	242.6	211.1	190.9
10596.9	65°	8042.5	4312.1	325.7	246.3	235.8	238.1	238.1	219.3	185.7	162.5
10636.5	67.5°	7988.6	3692.2	259.8	208.1	206.6	208.1	213.4	197.6	164.7	146.0
9826.5	70°	7359.0	2936.9	208.1	172.9	179.7	175.9	190.9	180.4	148.2	129.5
7618.1	72.5°	6004.8	2115.6	158.7	143.0	137.7	143.7	172.2	162.5	123.5	102.6
4035.1	75°	3508.8	1128.9	118.3	113.0	99.6	119.8	152.7	138.5	94.3	75.6
1236.7	77.5°	1142.4	393.8	86.8	83.1	74.1	96.6	130.3	116.8	77.1	59.9
362.3	80°	306.2	119.0	59.1	54.6	47.9	71.9	103.3	92.8	55.4	38.9
155.7	82.5°	122.8	50.2	34.4	30.7	26.2	49.4	81.6	74.9	41.2	24.7
48.7	85°	39.7	16.5	12.7	9.7	12.0	30.7	48.7	50.9	29.2	12.7
7.5	87.5°	5.2	2.2	2.2	3.0	2.2	5.2	15.0	14.2	8.2	1.5
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>
1722.6
1519.0
1229.2
950.8
776.3
712.7
691.0
666.3
631.8
587.7
539.8
493.3
456.7
432.0
413.2
414.7
401.3
370.6
340.6
315.2
298.0
286.0
263.5
244.8
218.6
189.4
160.2
143.0
127.3
100.3
73.4
57.6
38.2
24.7
9.7
0.0
0.0

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