

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: P948125

Luminaire Tested: **GALN-SB3B-735-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948125  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3B-735-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

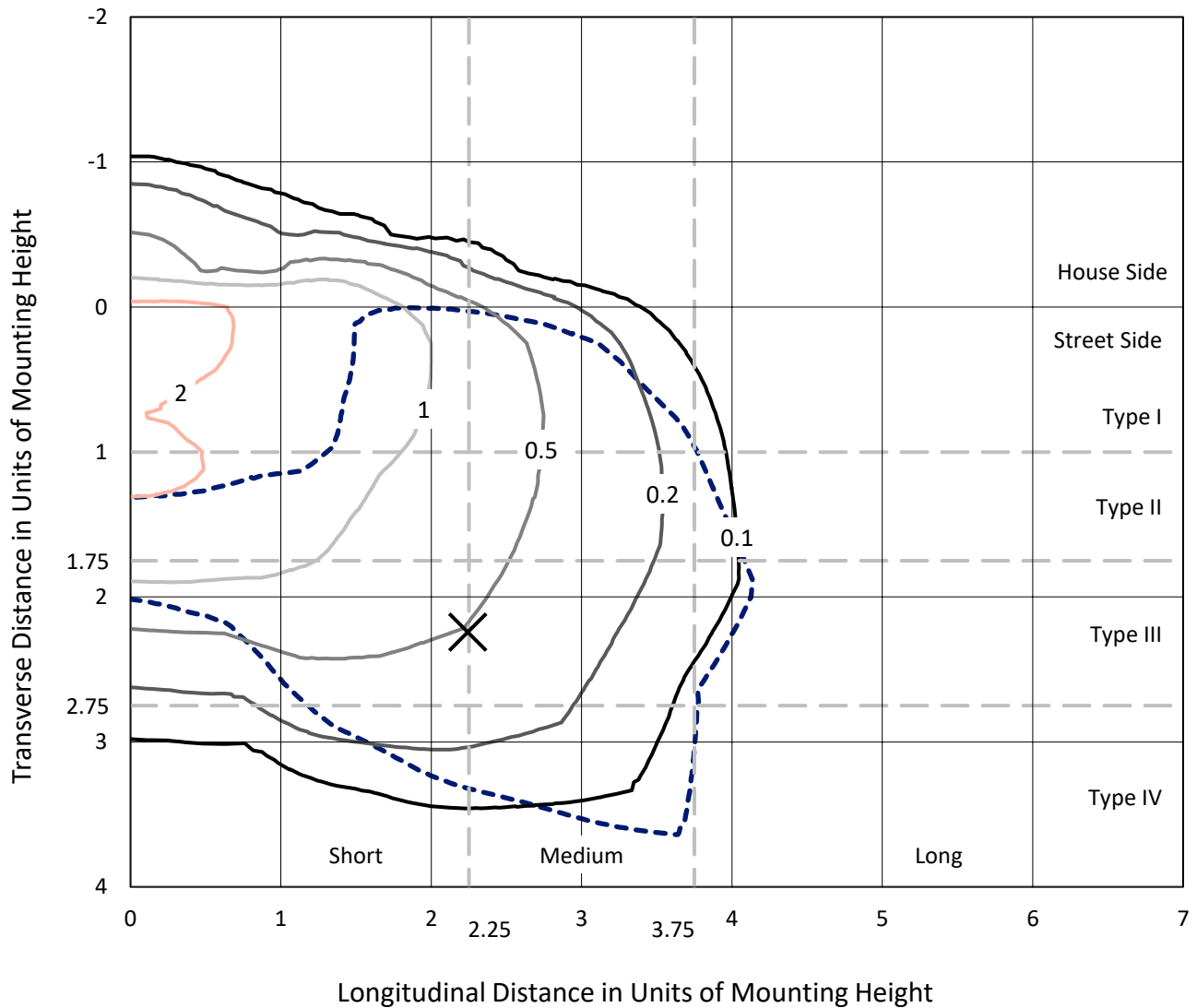
Lumens per Lamp: N/A  
Luminaire Lumens: 13014 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

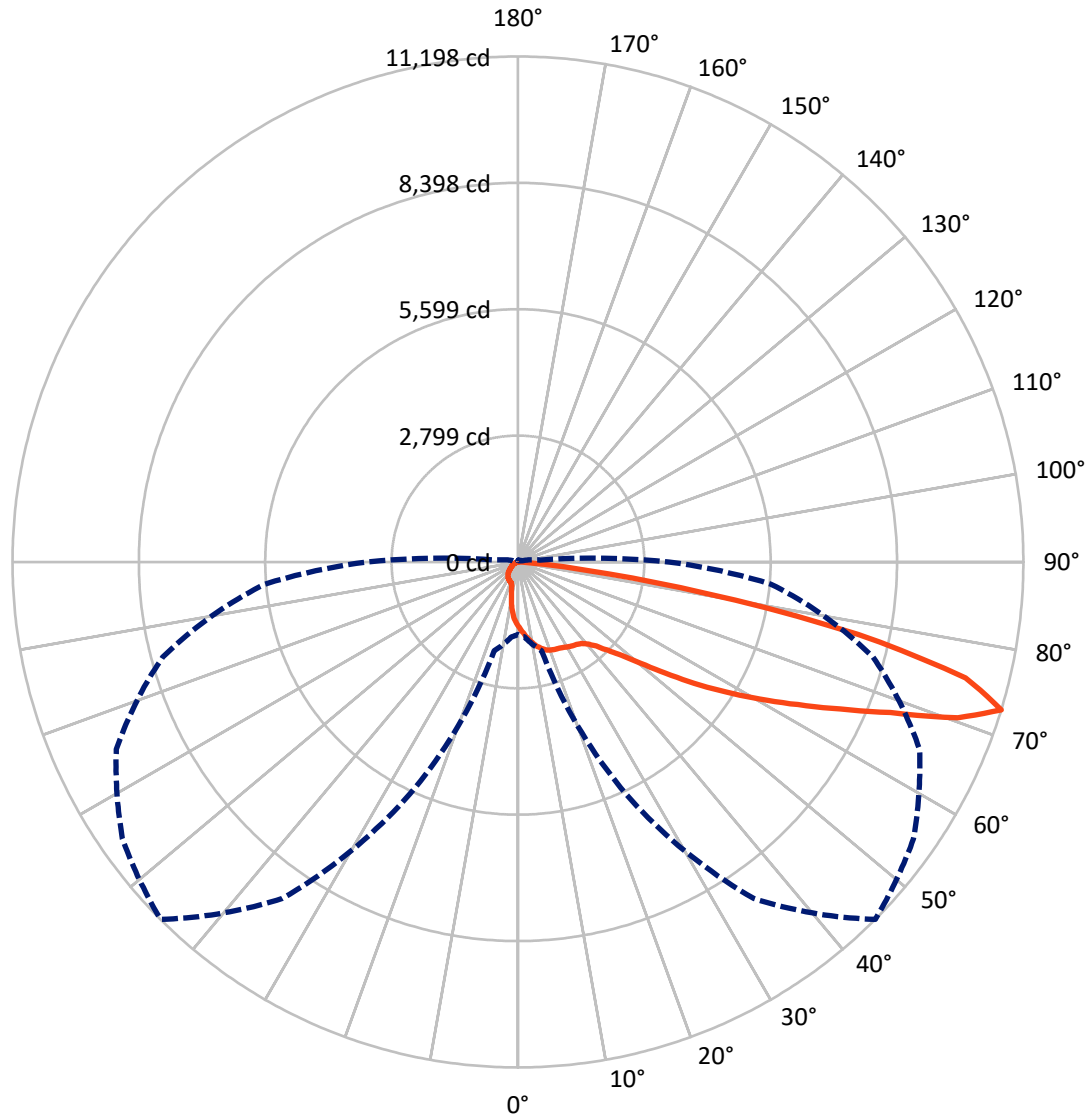
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1367.4	0.0	1367.4
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	11646.6	0.0	11646.6
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	13014.0	0.0	13014.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.3	1.0
10°-20°	392.6	3.0
20°-30°	644.7	5.0
30°-40°	914.3	7.0
40°-50°	1511.3	11.6
50°-60°	2714.9	20.9
60°-70°	3769.7	29.0
70°-80°	2734.5	21.0
80°-90°	197.7	1.5
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°	13014.0	100.0
0°-180°	13014.0	100.0

**Coefficient of Utilization**



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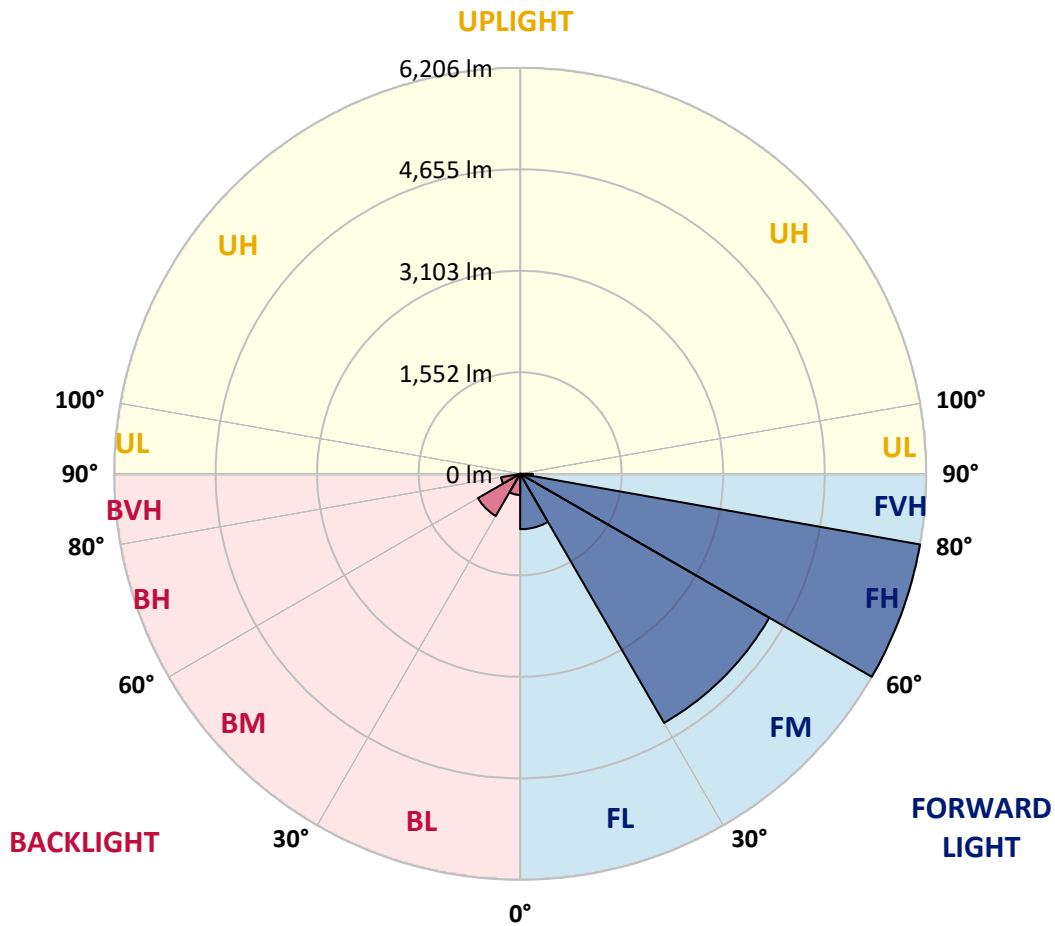
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	847.7	6.5			
FM (30°-60°)	4396.8	33.8			
FH (60°-80°)	6206.0	47.7			G3/7500
FVH (80°-90°)	196.0	1.5			G2/225
BL (0°-30°)	323.9	2.5	B1/500		
BM (30°-60°)	743.7	5.7	B1/1000		
BH (60°-80°)	298.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1425.7	1425.7	1425.7	1425.7	1425.7	1425.7	1425.7	1425.7	1425.7	1425.7
2.5°	1557.2	1559.8	1558.1	1547.4	1529.6	1519.9	1514.5	1496.8	1485.2	1464.8
5°	1700.2	1710.9	1704.6	1683.3	1649.6	1625.6	1618.5	1582.1	1549.2	1511.0
7.5°	1852.1	1857.4	1845.9	1818.3	1773.0	1732.2	1726.0	1675.3	1622.9	1564.3
10°	1983.6	1989.8	1972.0	1932.0	1880.5	1829.9	1821.0	1765.0	1702.9	1630.9
12.5°	2093.7	2099.9	2076.8	2028.9	1972.0	1919.6	1910.7	1852.1	1783.7	1703.7
15°	2177.2	2188.8	2157.7	2106.1	2044.9	1992.4	1988.0	1930.3	1863.6	1774.8
17.5°	2226.1	2237.6	2208.3	2146.1	2093.7	2049.3	2044.0	1996.0	1933.8	1848.5
20°	2234.1	2244.7	2213.6	2159.4	2115.9	2080.4	2077.7	2043.1	1997.8	1916.0
22.5°	2210.1	2223.4	2195.0	2151.4	2121.2	2102.6	2099.0	2079.5	2053.7	1984.4
25°	2185.2	2195.9	2174.5	2136.3	2120.4	2118.6	2121.2	2117.7	2112.4	2053.7
27.5°	2183.4	2195.0	2171.0	2134.6	2125.7	2144.3	2147.0	2163.9	2168.3	2116.8
30°	2198.5	2206.5	2183.4	2145.2	2140.8	2183.4	2184.3	2214.5	2221.6	2170.1
32.5°	2231.4	2240.3	2217.2	2161.2	2155.0	2214.5	2217.2	2257.2	2268.7	2227.0
35°	2308.7	2319.3	2292.7	2205.6	2183.4	2243.8	2251.8	2298.9	2322.0	2287.4
37.5°	2501.4	2470.3	2433.9	2295.4	2248.3	2290.0	2303.3	2358.4	2399.3	2359.3
40°	2980.2	2882.5	2768.8	2448.1	2362.0	2388.6	2399.3	2454.4	2510.3	2471.2
42.5°	3698.9	3583.4	3400.4	2799.9	2533.4	2546.7	2554.7	2602.7	2681.8	2650.7
45°	4339.3	4297.6	4111.0	3400.4	2854.1	2788.4	2798.1	2823.0	2939.4	2927.8
47.5°	4831.4	4807.4	4663.5	4089.7	3395.9	3084.2	3111.7	3123.2	3291.1	3332.0
50°	5209.8	5201.0	5072.2	4702.6	4103.9	3520.3	3530.1	3505.2	3756.6	3857.9
52.5°	5566.9	5597.1	5502.1	5272.0	4859.9	4091.5	4089.7	3972.4	4311.8	4464.6
55°	5889.4	5900.0	5909.8	5853.0	5620.2	4741.7	4724.8	4533.0	4955.8	5113.9
57.5°	6192.3	6196.7	6283.8	6400.2	6411.7	5439.9	5408.8	5178.8	5659.3	5772.1
60°	6395.7	6416.1	6600.0	6923.4	7064.6	6160.3	6143.4	5908.9	6375.3	6427.7
62.5°	6102.6	6226.9	6690.6	7332.0	7681.1	6958.9	6950.9	6730.6	7128.6	7085.9
65°	4939.8	5150.3	5965.8	7608.2	8286.0	7850.7	7862.3	7627.8	7902.3	7763.7
67.5°	3455.5	3677.5	4642.2	7630.4	8962.0	8898.0	8964.7	8596.9	8723.9	8413.0
70°	2389.5	2504.1	3132.1	7152.5	9488.8	10340.6	10338.9	9787.2	9541.2	8708.8
72.5°	1606.9	1666.4	2034.2	5674.4	9101.5	11197.8	11146.3	10696.8	9816.5	8144.8
75°	677.8	721.3	941.6	3189.0	7200.5	10244.7	10105.2	9453.2	8722.2	6413.5
77.5°	215.0	233.6	371.3	1141.5	3966.2	7700.6	7553.2	5903.6	5845.9	3217.4
80°	102.2	119.0	208.7	458.4	1560.7	4188.3	4167.9	2678.2	2514.8	868.8
82.5°	44.4	52.4	115.5	245.2	698.2	1494.1	1524.3	911.4	754.2	329.6
85°	14.2	18.7	53.3	112.8	294.9	371.3	366.9	216.7	303.8	179.4
87.5°	0.0	0.0	17.8	25.8	30.2	21.3	24.0	18.7	84.4	49.7
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°
1425.7	0°	1425.7	1425.7	1425.7	1425.7	1425.7	1425.7	1425.7	1425.7	1425.7	1425.7
1443.5	2.5°	1432.8	1418.6	1393.7	1370.6	1350.2	1329.8	1317.3	1299.6	1297.8	1297.8
1466.6	5°	1442.6	1419.5	1375.1	1328.0	1273.8	1222.3	1170.8	1121.0	1105.0	1093.5
1503.9	7.5°	1471.0	1434.6	1364.4	1274.7	1171.7	1058.8	979.8	894.5	861.6	843.9
1553.6	10°	1511.9	1462.1	1355.5	1198.3	1031.3	877.6	764.8	672.4	636.9	621.8
1607.8	12.5°	1557.2	1495.9	1339.5	1103.3	877.6	693.8	583.6	541.0	535.6	535.6
1672.7	15°	1611.4	1536.7	1312.0	991.3	716.9	549.0	509.9	511.7	517.0	520.5
1735.7	17.5°	1667.3	1580.3	1268.5	866.1	574.7	493.9	494.8	497.4	501.9	505.4
1804.1	20°	1727.7	1623.8	1210.7	732.8	493.0	477.9	480.6	483.2	486.8	488.6
1868.1	22.5°	1792.6	1664.7	1142.3	602.3	465.5	464.6	465.5	468.1	472.6	472.6
1942.7	25°	1861.9	1710.0	1064.2	507.2	451.3	451.3	453.0	454.8	458.4	458.4
2014.7	27.5°	1932.9	1751.7	981.6	457.5	438.8	437.9	437.9	440.6	442.4	443.3
2085.7	30°	2011.1	1800.6	899.0	446.8	429.0	424.6	421.9	423.7	425.5	426.4
2160.3	32.5°	2091.0	1847.7	825.2	451.3	419.3	411.3	402.4	400.6	400.6	404.2
2237.6	35°	2179.9	1899.2	768.4	466.4	413.9	391.7	377.5	369.5	370.4	375.7
2330.0	37.5°	2286.5	1961.4	726.6	479.7	410.4	369.5	346.4	336.7	330.4	336.7
2457.0	40°	2425.9	2052.8	696.4	490.3	406.0	343.8	312.7	296.7	285.1	288.7
2654.2	42.5°	2631.1	2196.8	684.9	491.2	396.2	313.6	278.0	256.7	239.8	240.7
2950.9	45°	2918.9	2424.2	744.4	479.7	374.9	280.7	241.6	213.2	202.5	199.9
3394.2	47.5°	3313.3	2755.5	882.1	455.7	343.8	248.7	206.1	182.1	174.1	169.7
3976.0	50°	3841.9	3181.0	1034.9	429.0	312.7	218.5	176.8	161.7	156.3	151.9
4666.2	52.5°	4454.8	3612.7	1160.1	402.4	281.6	191.9	158.1	149.2	144.8	141.2
5332.4	55°	5017.1	3910.3	1153.0	374.0	251.4	170.6	144.8	139.5	134.1	130.6
5906.3	57.5°	5367.1	3952.0	950.5	342.9	216.7	153.7	132.4	128.8	122.6	118.1
6402.8	60°	5527.9	3714.0	666.2	302.0	182.1	137.7	119.0	117.3	109.3	103.0
6872.7	62.5°	5557.2	3271.6	444.1	251.4	151.9	122.6	105.7	103.0	92.4	81.7
7254.7	65°	5438.1	2639.1	307.3	196.3	129.7	106.6	90.6	85.3	73.7	63.1
7345.3	67.5°	5061.5	1853.0	214.1	141.2	110.1	84.4	72.0	70.2	61.3	52.4
6883.4	70°	4371.3	1056.2	143.0	105.7	87.1	57.7	56.9	58.6	49.7	42.6
5623.8	72.5°	3351.5	483.2	88.8	77.3	59.5	39.1	45.3	46.2	38.2	32.0
3508.8	75°	1972.9	207.0	56.0	49.7	30.2	25.8	32.9	33.8	25.8	20.4
1282.7	77.5°	671.6	78.2	35.5	29.3	15.1	14.2	21.3	21.3	14.2	8.0
257.6	80°	152.8	29.3	17.8	11.5	7.1	6.2	7.1	6.2	3.6	0.9
79.1	82.5°	43.5	11.5	7.1	4.4	2.7	2.7	0.9	0.0	0.0	0.0
27.5	85°	12.4	5.3	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
9.8	87.5°	5.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
1425.7
1302.2
1098.8
846.5
621.8
535.6
520.5
505.4
489.4
474.3
459.2
444.1
428.2
406.8
378.4
334.9
286.9
237.2
196.3
167.0
151.0
140.4
128.8
117.3
101.3
76.4
59.5
49.7
39.1
28.4
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