

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: P942246

Luminaire Tested: **GALN-SB6A-930-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14841 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

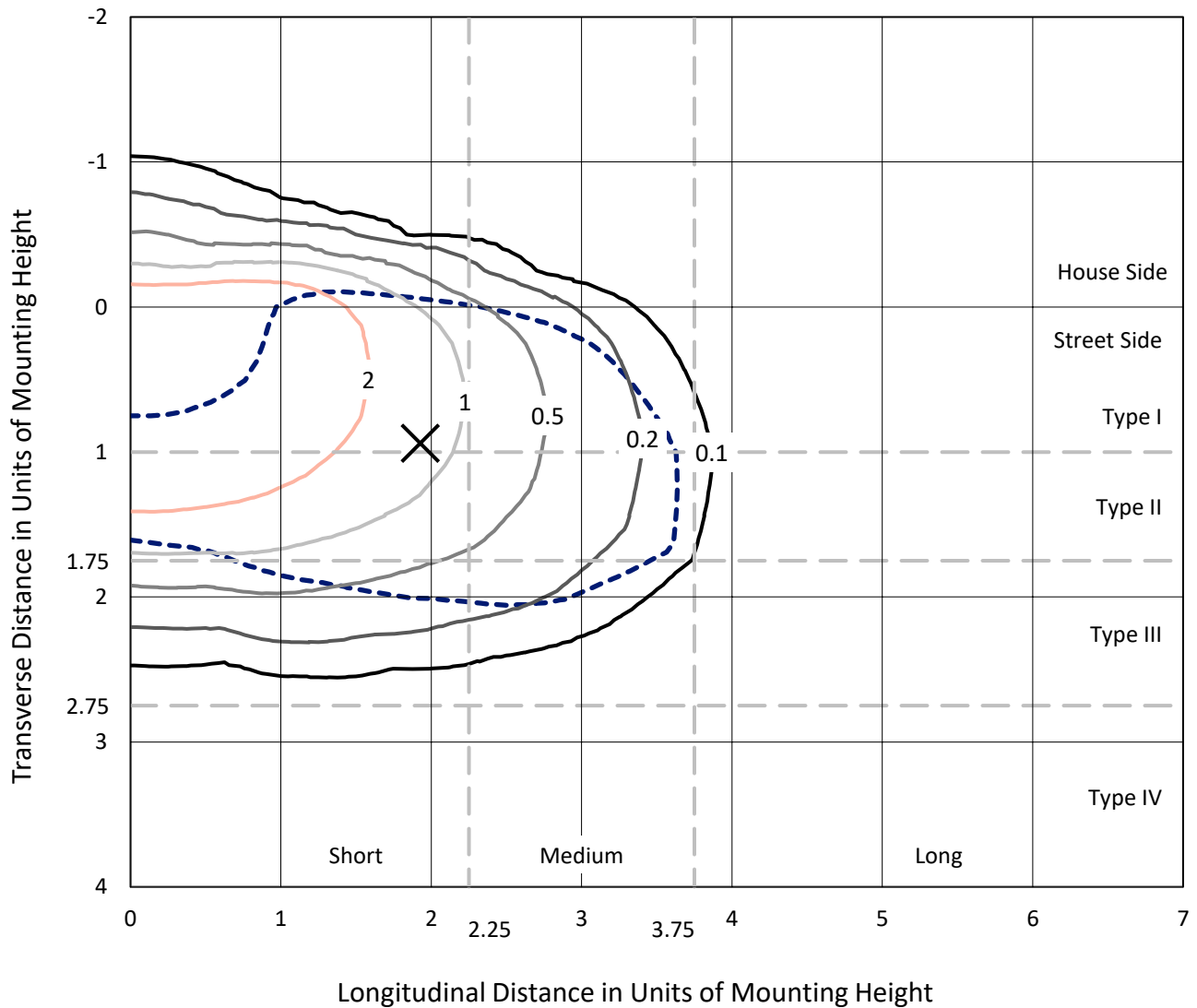
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

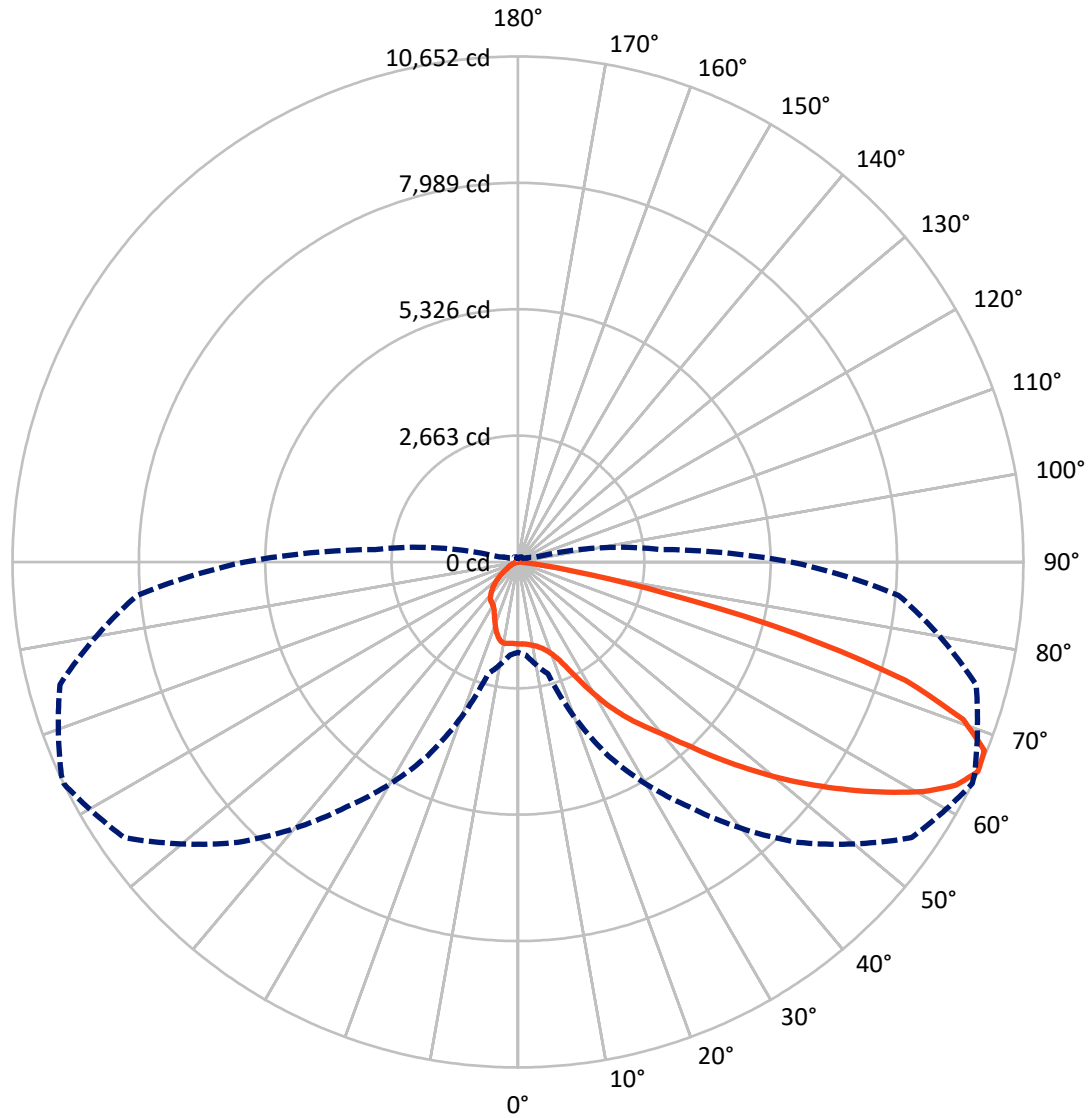
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1984.7	0.0	1984.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12856.3	0.0	12856.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	14841.0	0.0	14841.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.3	1.1
10°-20°	431.9	2.9
20°-30°	818.5	5.5
30°-40°	1656.3	11.2
40°-50°	2821.5	19.0
50°-60°	3837.0	25.9
60°-70°	3603.1	24.3
70°-80°	1443.6	9.7
80°-90°	69.9	0.5
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°	14841.0	100.0
0°-180°	14841.0	100.0

Coefficient of Utilization



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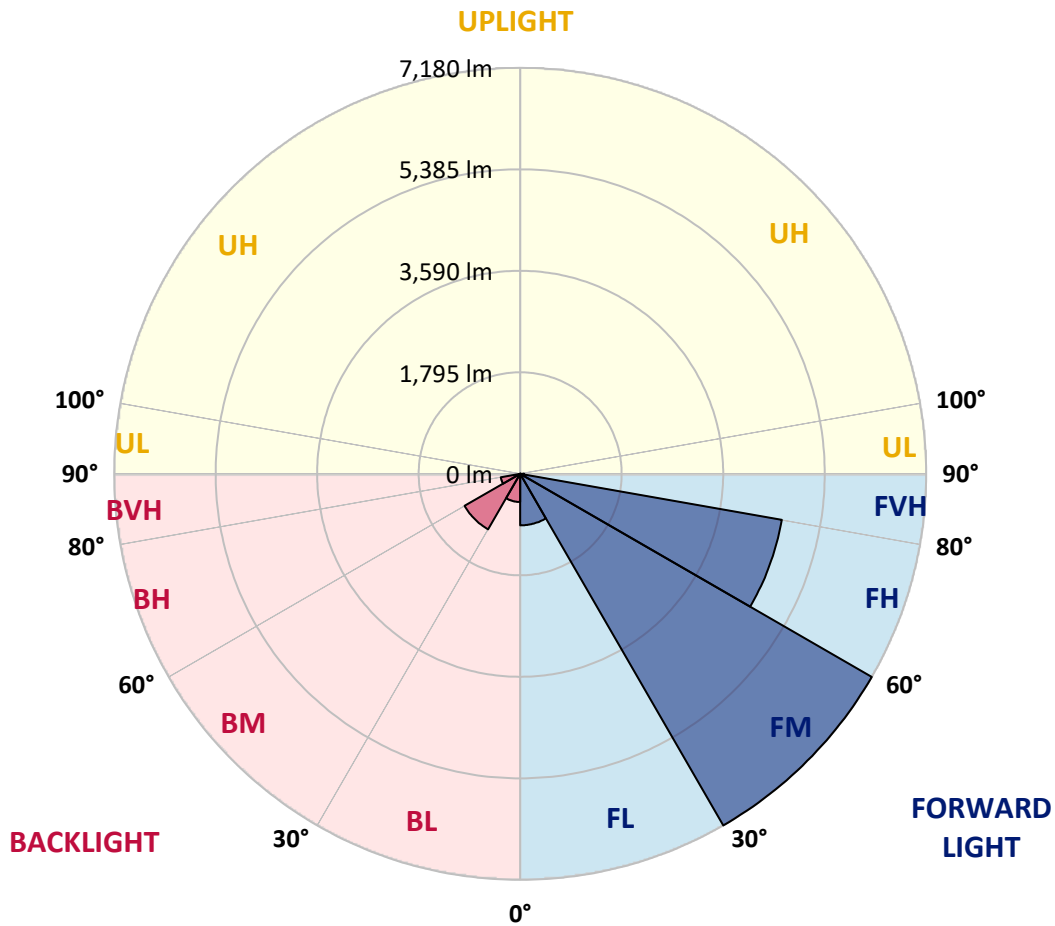
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	911.4	6.1			
FM (30°-60°)	7180.1	48.4			
FH (60°-80°)	4698.3	31.7			G2/5000
FVH (80°-90°)	66.5	0.4			G1/100
BL (0°-30°)	498.3	3.4	B1/500		
BM (30°-60°)	1134.6	7.6	B2/2500		
BH (60°-80°)	348.3	2.3	B1/500		G1/500
BVH (80°-90°)	3.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1726.2	1726.2	1726.2	1726.2	1726.2	1726.2	1726.2	1726.2	1726.2	1726.2
2.5°	1720.2	1732.1	1729.1	1726.2	1725.2	1727.2	1728.2	1727.2	1727.2	1727.2
5°	1687.4	1697.3	1697.3	1704.3	1714.2	1726.2	1735.1	1737.1	1739.1	1742.1
7.5°	1624.7	1632.6	1638.6	1661.5	1686.4	1718.2	1745.1	1759.0	1761.0	1771.9
10°	1581.9	1591.9	1601.8	1625.7	1661.5	1709.2	1755.0	1788.8	1793.8	1819.7
12.5°	1579.9	1589.9	1602.8	1628.7	1670.4	1721.2	1776.9	1825.7	1834.6	1872.4
15°	1600.8	1612.7	1624.7	1656.5	1701.3	1763.0	1822.7	1883.4	1892.3	1946.0
17.5°	1643.6	1659.5	1668.5	1700.3	1748.1	1816.7	1895.3	1964.9	1972.9	2035.6
20°	1728.2	1747.1	1750.0	1775.9	1822.7	1896.3	1989.8	2076.4	2086.3	2158.0
22.5°	1903.3	1930.1	1906.2	1919.2	1961.0	2034.6	2136.1	2245.5	2259.4	2341.0
25°	2211.7	2249.5	2187.8	2165.9	2183.8	2260.4	2387.8	2526.1	2542.0	2607.6
27.5°	2817.6	2768.8	2675.3	2583.8	2530.0	2573.8	2717.1	2888.2	2908.1	2971.8
30°	3483.2	3440.4	3314.0	3111.1	2983.7	2976.8	3109.1	3300.1	3323.0	3383.7
32.5°	4149.8	4109.0	3971.7	3721.9	3501.1	3391.6	3483.2	3695.1	3707.0	3745.8
35°	4805.4	4763.6	4626.3	4370.6	4099.0	3850.3	3832.4	4071.2	4075.1	4115.9
37.5°	5465.0	5430.2	5283.9	5033.2	4765.6	4422.4	4256.2	4427.3	4432.3	4472.1
40°	5935.6	5950.5	5850.0	5656.0	5426.2	5051.1	4731.8	4806.4	4776.5	4843.2
42.5°	6339.5	6369.4	6281.8	6184.3	6051.0	5720.7	5320.8	5307.8	5260.1	5295.9
45°	6688.8	6713.6	6635.0	6612.1	6609.2	6377.3	5964.5	5886.9	5820.2	5813.2
47.5°	6817.1	6864.9	6898.7	6975.3	7124.5	7027.0	6630.1	6509.7	6435.1	6380.3
50°	6865.8	6916.6	7032.0	7254.9	7608.0	7649.8	7292.7	7157.4	7065.8	6966.3
52.5°	6800.2	6890.7	7045.9	7421.0	7933.4	8149.3	7928.4	7810.0	7705.5	7543.4
55°	6413.2	6503.7	6821.1	7419.0	8095.6	8499.5	8529.3	8476.6	8359.2	8103.5
57.5°	5597.3	5731.7	6234.1	7166.3	8092.6	8800.9	9118.3	9156.1	9024.8	8658.7
60°	4467.1	4649.2	5262.1	6606.2	7842.8	8964.1	9634.7	9823.7	9684.4	9205.9
62.5°	3117.0	3328.0	3908.0	5728.7	7271.8	8846.7	10011.7	10361.0	10255.5	9695.4
65°	1901.3	1968.9	2436.5	4507.9	6300.7	8355.2	10128.1	10651.5	10616.6	9994.8
67.5°	1266.5	1323.2	1457.5	3091.2	4891.0	7373.3	9849.6	10600.7	10610.7	9946.1
70°	763.1	811.8	899.4	1797.8	3169.8	5836.1	8987.0	9954.0	10011.7	9294.4
72.5°	314.4	347.2	426.8	814.8	1641.6	3704.0	7156.4	8546.2	8680.6	7815.0
75°	178.1	195.0	250.7	408.9	712.4	1726.2	4334.8	6066.9	6264.9	5386.4
77.5°	118.4	126.4	162.2	264.6	400.9	589.0	1852.5	3160.8	3538.9	2941.9
80°	79.6	86.6	111.4	177.1	260.7	252.7	590.0	1171.0	1440.6	1010.8
82.5°	53.7	54.7	79.6	116.4	165.2	122.4	174.1	364.1	457.7	292.5
85°	30.8	29.8	58.7	67.7	73.6	50.7	52.7	109.4	143.3	123.4
87.5°	4.0	6.0	22.9	17.9	9.9	10.9	10.9	18.9	27.9	29.8
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°
1726.2	0°	1726.2	1726.2	1726.2	1726.2	1726.2	1726.2	1726.2	1726.2	1726.2	1726.2
1728.2	2.5°	1728.2	1727.2	1724.2	1721.2	1714.2	1710.2	1712.2	1710.2	1709.2	1710.2
1741.1	5°	1741.1	1738.1	1730.1	1720.2	1706.3	1689.4	1678.4	1662.5	1647.6	1638.6
1775.9	7.5°	1775.9	1772.9	1762.0	1734.1	1689.4	1618.7	1554.0	1497.3	1454.6	1429.7
1831.6	10°	1831.6	1826.6	1809.7	1748.1	1630.7	1476.4	1348.1	1241.6	1172.0	1139.2
1897.3	12.5°	1897.3	1891.3	1861.5	1735.1	1519.2	1278.5	1101.4	983.0	918.3	889.4
1972.9	15°	1974.9	1966.9	1908.2	1673.4	1357.1	1059.6	897.4	808.9	767.1	741.2
2069.4	17.5°	2071.4	2057.5	1943.1	1580.9	1181.0	892.4	772.0	705.4	668.6	643.7
2195.8	20°	2196.8	2173.9	1970.9	1470.5	1018.8	787.0	687.5	631.8	603.9	582.0
2374.8	22.5°	2371.9	2339.0	2004.7	1351.1	904.4	714.3	624.8	584.0	561.1	536.3
2624.6	25°	2588.7	2549.9	2046.5	1240.6	825.8	651.7	579.0	545.2	518.3	489.5
2951.9	27.5°	2892.2	2822.5	2096.3	1150.1	758.1	597.9	537.2	499.4	468.6	444.7
3323.0	30°	3230.5	3116.0	2140.0	1095.4	696.4	548.2	482.5	444.7	415.9	399.0
3656.3	32.5°	3550.8	3395.6	2168.9	1071.5	640.7	491.5	422.8	382.0	360.2	355.2
3982.6	35°	3853.3	3648.3	2165.9	1048.6	591.0	434.8	364.1	322.3	305.4	308.4
4333.8	37.5°	4201.5	3917.9	2145.0	1012.8	550.2	383.0	313.4	276.6	261.7	262.7
4760.6	40°	4606.4	4229.3	2132.1	945.2	505.4	335.3	271.6	241.8	230.8	226.8
5210.3	42.5°	5038.2	4530.8	2134.1	868.6	449.7	292.5	242.8	217.9	207.9	205.0
5710.8	45°	5472.0	4818.3	2137.1	789.0	391.0	259.7	221.9	201.0	195.0	191.0
6218.2	47.5°	5879.9	5063.1	2081.3	703.4	333.3	234.8	205.0	191.0	186.0	181.1
6727.6	50°	6260.0	5226.2	1947.0	603.9	287.5	214.9	192.0	182.1	177.1	172.1
7189.2	52.5°	6555.4	5252.1	1725.2	501.4	255.7	200.0	184.1	175.1	169.1	164.2
7562.3	55°	6686.8	5089.9	1409.8	405.9	230.8	187.0	176.1	167.1	160.2	155.2
7855.8	57.5°	6652.9	4748.7	1099.4	326.3	206.9	174.1	166.1	160.2	152.2	144.3
8093.6	60°	6486.8	4292.0	828.8	271.6	185.1	160.2	155.2	150.2	139.3	127.3
8185.1	62.5°	6199.3	3718.0	591.0	224.8	161.2	144.3	142.3	138.3	122.4	100.5
8049.8	65°	5759.5	3020.5	398.0	187.0	138.3	126.4	127.3	120.4	99.5	74.6
7554.3	67.5°	5116.8	2208.7	254.7	153.2	115.4	105.5	106.5	102.5	84.6	63.7
6615.1	70°	4298.0	1462.5	166.1	116.4	92.5	81.6	87.6	88.5	71.6	51.7
5077.0	72.5°	3150.9	863.6	116.4	86.6	67.7	56.7	71.6	73.6	57.7	38.8
3054.4	75°	1795.8	409.9	87.6	62.7	41.8	39.8	55.7	55.7	39.8	25.9
1322.2	77.5°	754.1	171.1	61.7	40.8	23.9	22.9	37.8	34.8	19.9	11.9
322.3	80°	217.9	76.6	32.8	19.9	9.9	9.0	14.9	10.9	5.0	2.0
122.4	82.5°	85.6	33.8	12.9	8.0	4.0	4.0	2.0	0.0	0.0	0.0
69.6	85°	50.7	13.9	6.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0
14.9	87.5°	12.9	3.0	2.0	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

180°
1726.2
1714.2
1640.6
1430.7
1136.2
886.5
742.2
641.7
578.0
532.3
486.5
439.7
396.0
358.2
308.4
266.6
225.8
204.0
191.0
181.1
172.1
163.2
154.2
143.3
125.4
98.5
72.6
60.7
49.7
36.8
23.9
11.9
2.0
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