Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P940132

Luminaire Tested: **GALN-SB3A-760-U-SL4**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P940132
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB3A-760-U-SL4
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(3) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14115 lumens
Efficiency:	N/A
Efficacy:	166.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B2 - U0 - G3

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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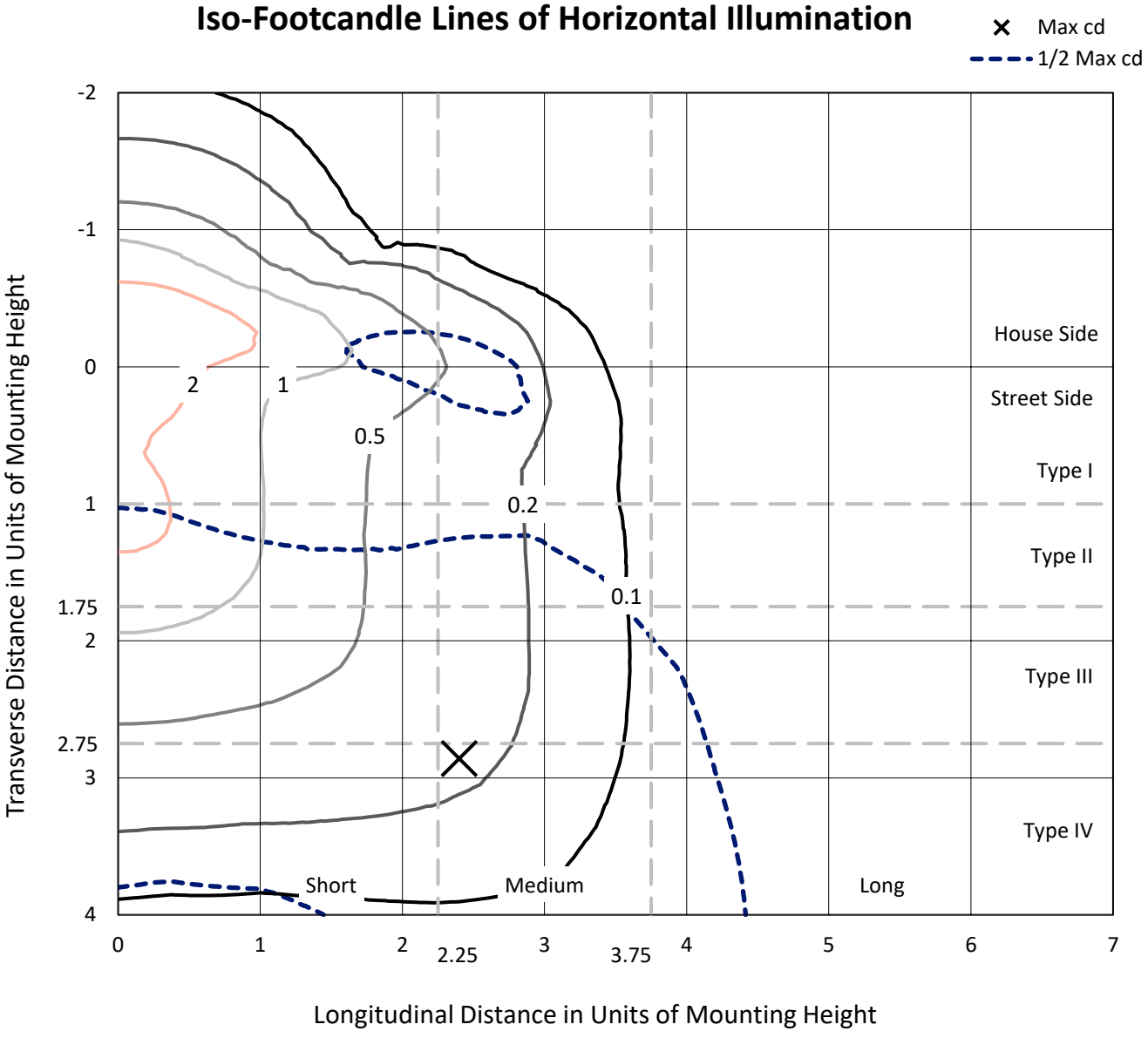
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type IV - Medium - N/A

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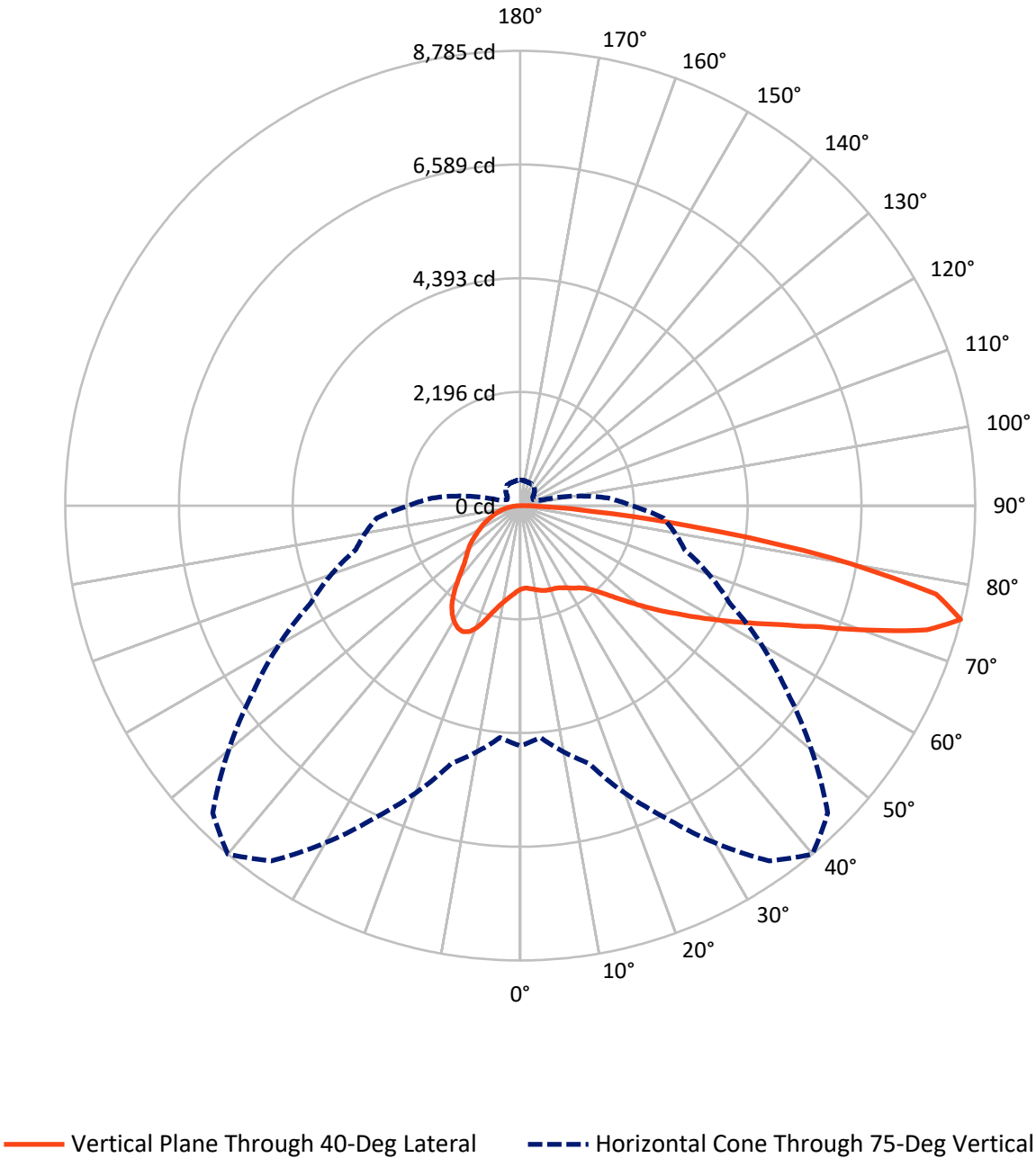
Luminous Intensity Polar Plot



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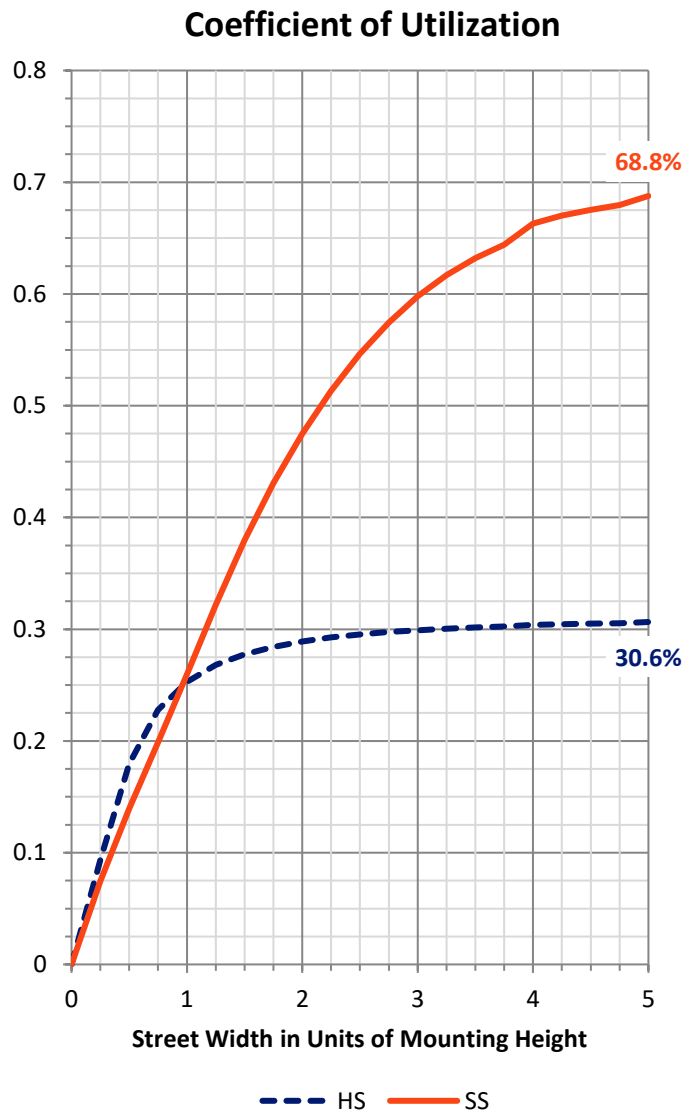
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4373.3	0.0	4373.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	9741.7	0.0	9741.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	14115.0	0.0	14115.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.1	1.1
10°-20°	540.9	3.8
20°-30°	987.7	7.0
30°-40°	1400.8	9.9
40°-50°	1891.6	13.4
50°-60°	2544.6	18.0
60°-70°	3229.7	22.9
70°-80°	2931.2	20.8
80°-90°	427.3	3.0
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°	14115.0	100.0
0°-180°	14115.0	100.0



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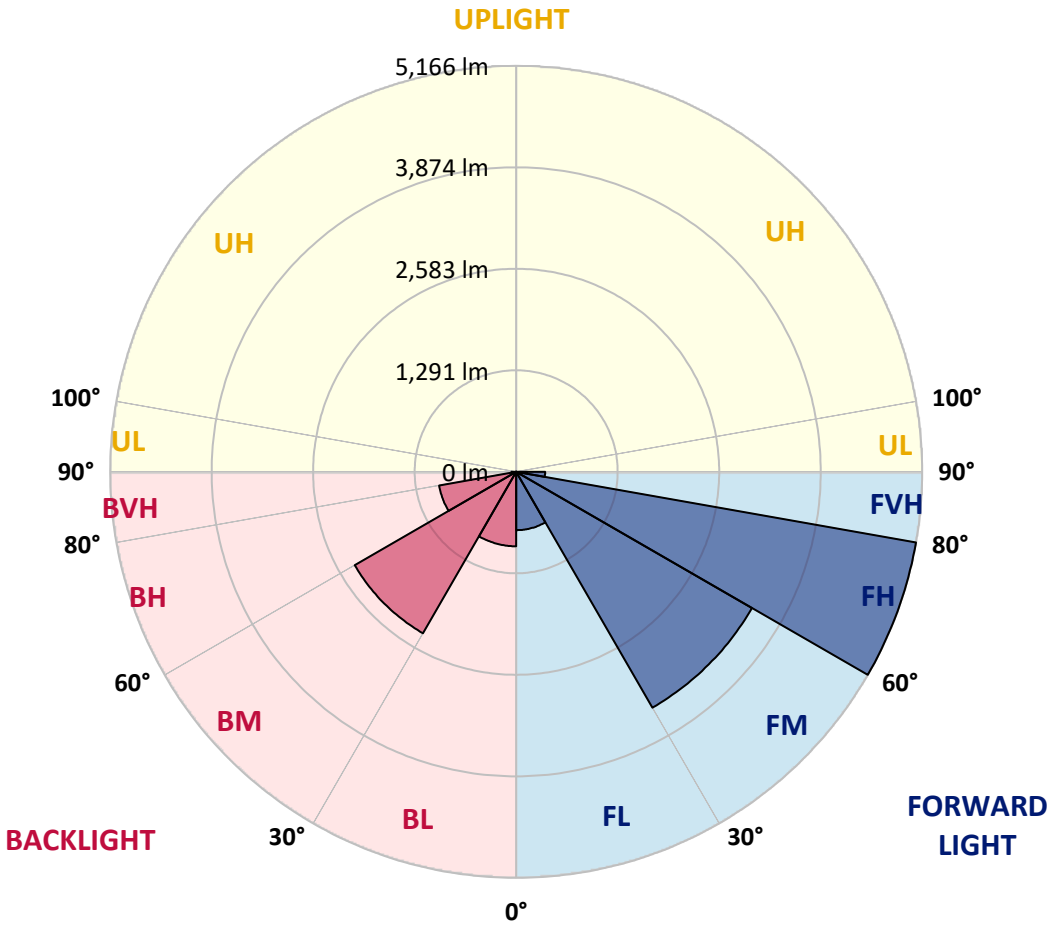
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	742.5	5.3			
FM	(30°-60°)	3464.9	24.5			
FH	(60°-80°)	5165.9	36.6			G3/7500
FVH	(80°-90°)	368.5	2.6			G3/500
BL	(0°-30°)	947.3	6.7	B2/1000		
BM	(30°-60°)	2372.1	16.8	B2/2500		
BH	(60°-80°)	995.1	7.0	B2/1000		G2/1000
BVH	(80°-90°)	58.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1614.1	1614.1	1614.1	1614.1	1614.1	*1614.1*	1614.1	1614.1	1614.1	1614.1
2.5°	1589.4	1598.3	1596.1	1593.1	1593.1	*1593.9*	1593.1	1598.3	1603.6	1608.8
5°	1605.8	1614.8	1610.3	1606.6	1603.6	*1602.8*	1600.6	1599.8	1602.8	1609.6
7.5°	1638.0	1647.0	1640.3	1633.5	1627.5	*1624.6*	1621.6	1617.1	1614.8	1618.6
10°	1674.0	1682.9	1674.7	1662.7	1653.0	*1649.3*	1646.3	1641.8	1638.8	1641.0
12.5°	1709.9	1718.9	1707.6	1691.2	1678.5	*1676.2*	1672.5	1671.0	1670.2	1669.5
15°	1743.6	1751.1	1736.8	1717.4	1703.9	*1700.2*	1696.4	1698.7	1702.4	1706.9
17.5°	1769.8	1777.3	1756.3	1730.9	1718.1	*1716.6*	1714.4	1721.9	1732.4	1743.6
20°	1793.7	1801.2	1774.3	1739.8	1724.9	*1724.9*	1725.6	1741.3	1756.3	1772.8
22.5°	1827.4	1833.4	1800.5	1753.3	1731.6	*1733.1*	1739.1	1754.8	1773.5	1796.0
25°	1877.6	1882.1	1841.7	1778.8	1754.1	*1758.6*	1763.8	1771.3	1789.3	1815.5
27.5°	1958.4	1962.2	1909.0	1823.7	1786.3	*1793.7*	1801.2	1796.0	1804.2	1826.7
30°	2072.2	2074.5	2007.1	1894.1	1840.9	*1844.7*	1846.1	1824.4	1808.7	1826.7
32.5°	2207.0	2206.2	2126.1	1979.4	1903.0	*1899.3*	1886.6	1843.9	1807.2	1822.9
35°	2415.9	2407.6	2304.3	2099.2	1973.4	*1950.2*	1920.3	1865.6	1814.7	1819.2
37.5°	2761.7	2736.3	2593.3	2295.3	2078.2	*2019.1*	1974.9	1900.8	1831.2	1817.7
40°	3151.8	3119.6	2962.4	2564.1	2235.4	*2140.4*	2069.2	1951.0	1858.1	1824.4
42.5°	3614.4	3568.8	3399.6	2880.8	2434.6	*2296.8*	2189.8	2014.6	1897.8	1846.1
45°	4182.7	4122.0	3882.4	3237.9	2685.4	*2502.0*	2359.0	2111.2	1958.4	1888.1
47.5°	4756.9	4771.8	4431.2	3646.6	2986.3	*2755.0*	2570.8	2256.4	2046.8	1955.4
50°	5367.0	5377.5	4977.0	4099.6	3327.7	*3041.0*	2808.9	2418.9	2169.6	2051.3
52.5°	5843.1	5844.6	5472.6	4573.4	3683.3	*3355.4*	3065.7	2604.5	2311.8	2178.5
55°	6141.1	6137.4	5819.9	5021.9	4092.1	*3685.6*	3350.2	2815.6	2485.5	2328.3
57.5°	6357.5	6346.2	6059.5	5407.4	4527.8	*4075.6*	3672.1	3055.2	2690.6	2506.4
60°	6439.8	6433.1	6222.0	5740.6	4985.9	*4506.8*	4043.4	3323.2	2923.4	2716.8
62.5°	6471.2	6484.0	6381.4	6063.2	5476.3	*4984.4*	4451.4	3643.6	3185.5	2954.9
65°	6582.0	6605.3	6584.3	6485.5	6030.3	*5543.7*	4992.7	4024.7	3471.4	3210.2
67.5°	6801.4	6824.6	6833.6	6990.8	6707.1	*6240.7*	5668.0	4499.3	3806.1	3475.2
70°	6796.2	6789.4	6948.1	7392.8	7554.5	*7205.7*	6578.3	5083.3	4205.1	3695.3
72.5°	6186.0	6132.1	6507.2	7388.3	8259.8	*8213.3*	7690.0	5836.4	4549.5	3722.2
75°	*4640.8*	*4497.1*	*5159.6*	*6658.4*	*8377.3*	*8785.3*	*8396.8*	*6303.6*	*4467.9*	*3288.8*
77.5°	1984.6	1840.2	2621.0	4929.0	7497.6	*8212.6*	7748.4	5499.5	3566.5	2174.8
80°	519.6	518.8	792.1	2234.7	5099.0	*6064.7*	5320.6	3551.6	2037.8	777.1
82.5°	214.9	209.6	291.2	869.2	2491.5	*3403.3*	2777.5	1584.1	735.9	210.4
85°	80.1	79.4	141.5	300.2	878.9	*1403.7*	1015.9	405.0	183.4	102.6
87.5°	22.5	21.7	30.7	104.1	214.1	*324.9*	173.7	66.6	51.7	40.4
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°
1614.1	0°	1614.1	1614.1	1614.1	1614.1	1614.1	1614.1	1614.1	1614.1	1614.1	1614.1
1617.1	2.5°	1619.3	1623.1	1629.8	1635.0	1641.8	1649.3	1659.7	1666.5	1673.2	1677.7
1620.8	5°	1626.0	1634.3	1651.5	1668.7	1688.9	1707.6	1729.4	1745.1	1757.8	1761.6
1634.3	7.5°	1641.0	1654.5	1683.7	1712.9	1745.1	1775.8	1807.2	1834.2	1855.9	1864.1
1658.2	10°	1667.2	1685.2	1726.4	1767.5	1810.2	1857.4	1897.8	1936.7	1967.4	1980.2
1686.7	12.5°	1700.2	1722.6	1776.5	1833.4	1892.6	1957.7	2010.1	2058.0	2096.2	2113.4
1726.4	15°	1742.8	1772.0	1840.9	1917.3	2004.1	2094.7	2161.3	2214.5	2257.2	2278.1
1767.5	17.5°	1789.3	1828.2	1915.0	2030.3	2154.6	2273.6	2351.5	2390.4	2434.6	2454.8
1805.7	20°	1834.2	1882.1	2006.4	2174.1	2339.5	2466.0	2528.9	2539.4	2542.4	2544.6
1841.7	22.5°	1880.6	1945.0	2120.9	2355.2	2532.7	2620.2	2629.2	2584.3	2521.4	2492.2
1876.8	25°	1931.5	2016.8	2270.6	2555.1	2698.8	2709.3	2640.5	2531.2	2412.1	2357.5
1905.3	27.5°	1980.9	2099.9	2450.3	2746.0	2818.6	2726.5	2578.3	2423.3	2279.6	2222.0
1925.5	30°	2030.3	2195.0	2648.7	2913.0	2873.3	2683.9	2480.2	2307.3	2162.8	2102.2
1943.5	32.5°	2080.5	2305.8	2877.0	3033.5	2863.6	2593.3	2358.2	2177.0	2049.8	1986.1
1959.2	35°	2137.4	2442.1	3093.4	3099.4	2798.4	2460.0	2197.3	2021.3	1910.5	1859.6
1977.9	37.5°	2211.5	2615.0	3284.3	3115.8	2684.6	2264.6	1997.4	1837.2	1745.8	1722.6
2005.6	40°	2303.6	2823.1	3430.3	3089.6	2516.2	2027.3	1778.8	1650.8	1599.1	1604.3
2043.0	42.5°	2423.3	3056.0	3532.8	3022.3	2281.9	1782.5	1587.1	1530.2	1554.9	1575.9
2099.2	45°	2579.1	3297.8	3596.5	2907.7	2016.8	1575.1	1474.1	1487.5	1506.3	1508.5
2189.8	47.5°	2778.2	3542.6	3638.4	2734.8	1746.6	1429.2	1402.2	1405.2	1401.5	1385.7
2325.3	50°	3026.8	3780.6	3675.8	2505.7	1516.7	1337.8	1301.9	1291.4	1239.7	1188.8
2505.7	52.5°	3309.7	3999.2	3691.5	2221.2	1337.8	1261.5	1203.1	1137.2	1040.6	1024.9
2732.5	55°	3624.2	4201.4	3651.1	1871.6	1187.3	1163.4	1075.0	995.7	985.2	971.7
3031.2	57.5°	4000.0	4419.2	3568.8	1481.6	1033.1	1048.8	962.8	971.7	953.0	932.1
3415.3	60°	4411.0	4644.6	3424.3	1126.0	873.7	905.9	933.6	932.8	927.6	910.3
3820.3	62.5°	4780.8	4792.8	3139.8	862.4	733.7	795.1	870.7	869.9	865.4	855.7
4243.3	65°	5000.9	4770.3	2665.2	679.0	618.4	703.7	785.3	791.3	792.1	791.3
4561.5	67.5°	4962.0	4507.6	2013.8	540.5	523.3	610.9	700.7	709.0	715.0	716.4
4601.9	70°	4521.8	3930.4	1313.1	431.2	438.7	529.3	620.6	628.9	634.1	640.1
3993.2	72.5°	3524.6	2889.8	751.6	348.9	364.6	458.9	541.3	551.0	554.0	565.2
2779.0	75°	*2147.8*	*1699.4*	*405.8*	*274.8*	*299.5*	*392.3*	*462.7*	*473.9*	*479.1*	*492.6*
1364.8	77.5°	1021.1	735.9	231.3	214.1	241.1	320.4	390.8	403.5	389.3	396.8
376.6	80°	345.1	273.3	146.0	163.2	184.2	250.0	312.9	325.7	295.7	294.2
125.0	82.5°	120.5	110.8	92.8	108.6	119.0	178.9	236.6	253.0	220.1	219.4
56.1	85°	47.2	44.9	51.7	59.1	71.1	110.1	155.7	164.0	135.5	109.3
16.5	87.5°	9.7	10.5	12.7	13.5	21.7	38.2	56.1	68.9	54.7	46.4
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

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180°
1614.1
1674.7
1763.0
1864.9
1980.9
2113.4
2276.6
2454.0
2550.6
2500.5
2365.7
2228.7
2108.9
1994.4
1870.9
1739.1
1622.3
1595.4
1523.5
1397.7
1195.6
1030.1
974.0
928.3
904.4
852.0
791.3
717.9
643.1
569.7
494.1
390.8
291.2
208.9
107.8
42.7
0.0

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