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: P941236

Luminaire Tested: **GALN-SB4C-935-U-T3-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P941236
	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-SB4C-935-U-T3-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(4) 90 CRI, 3500K, 615mA 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:	16375 lumens
Efficiency:	N/A
Efficacy:	81.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G3

Input Watts (W):	200.7
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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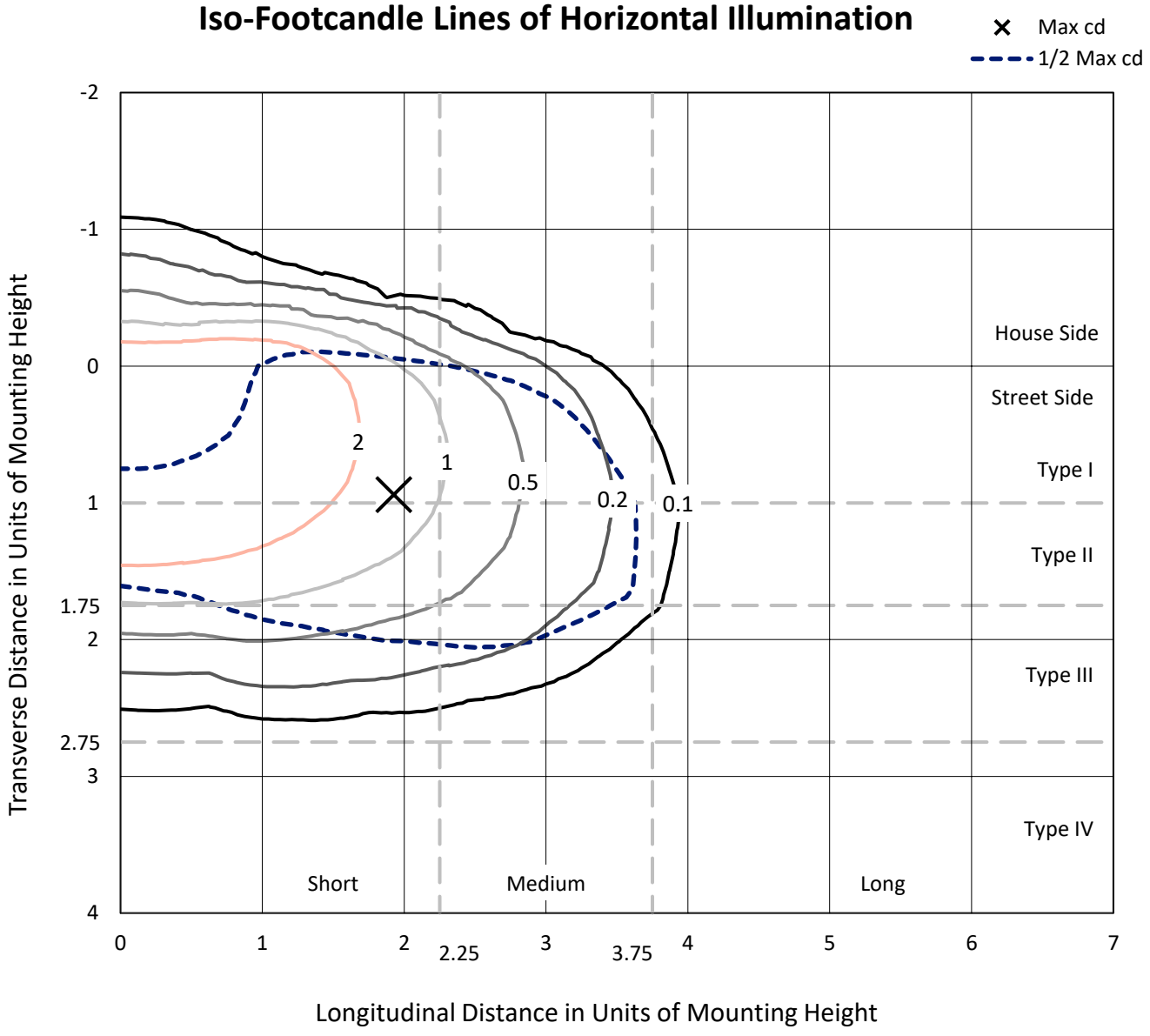
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
Type III - Short - N/A

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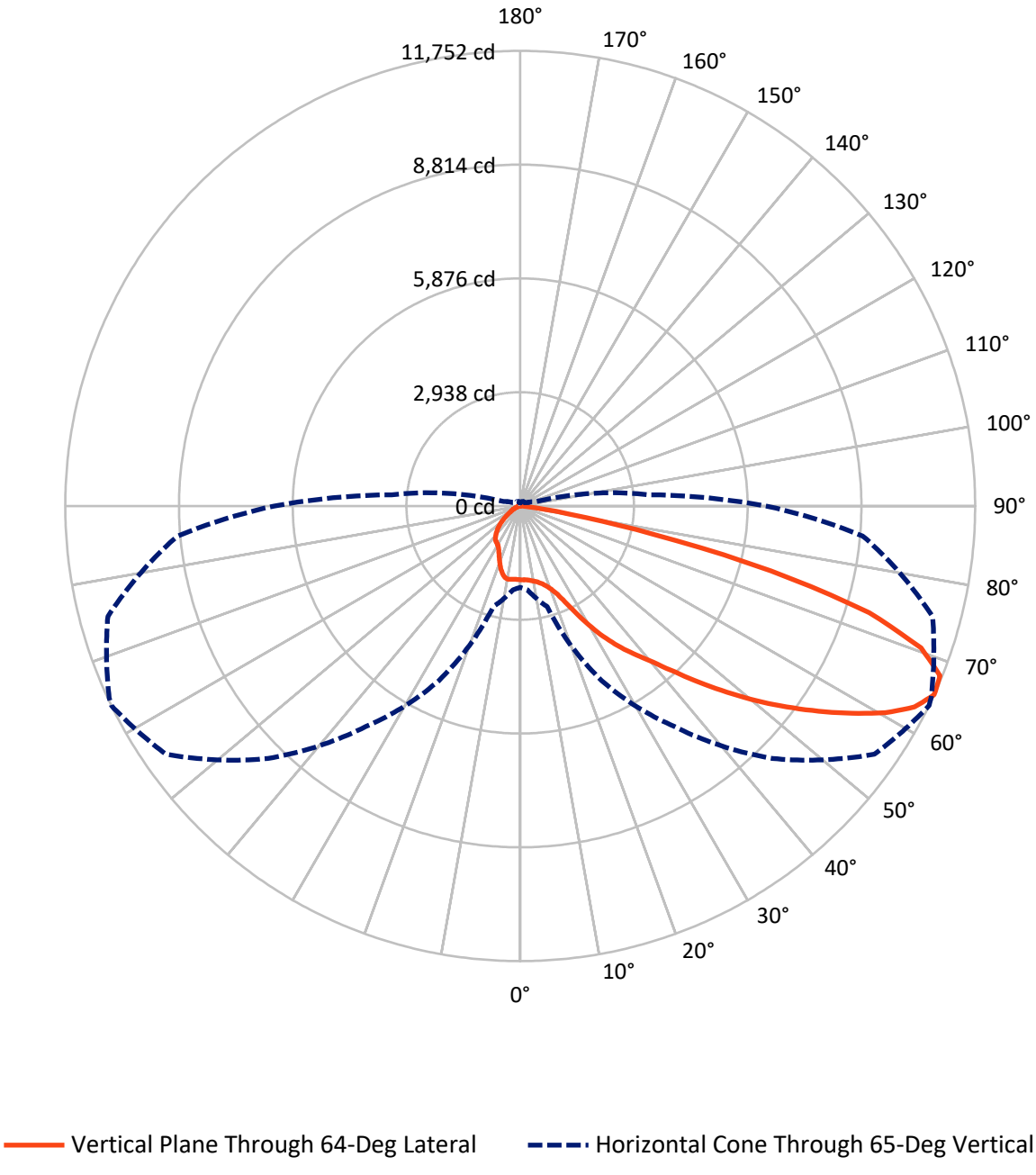
Luminous Intensity Polar Plot



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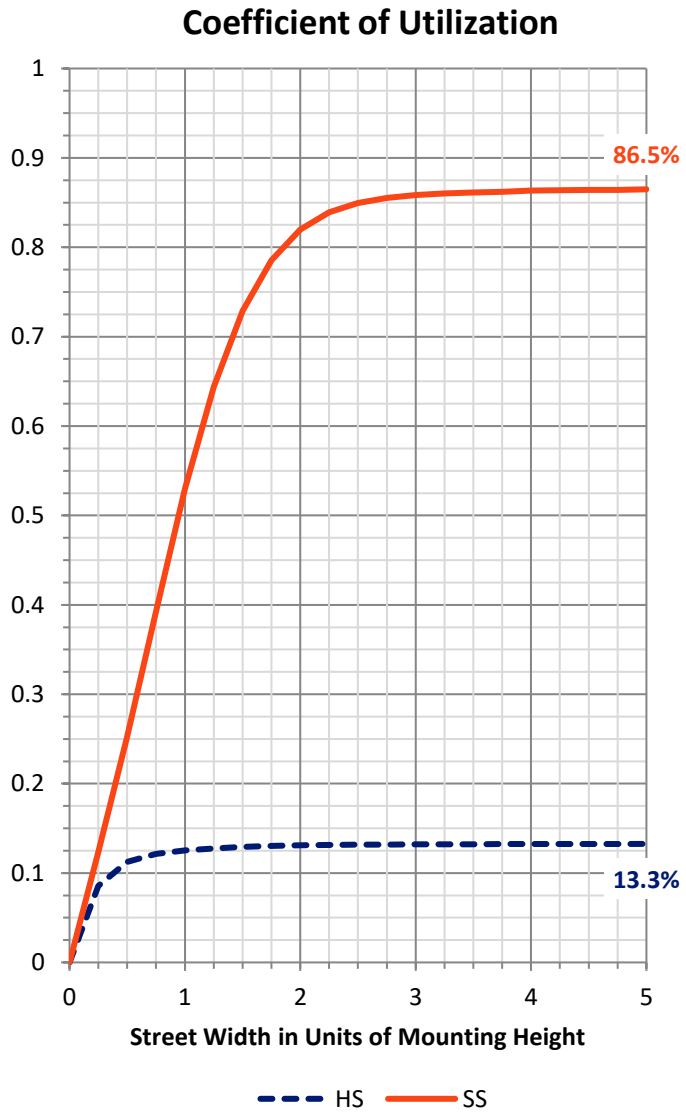
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2189.8	0.0	2189.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	14185.2	0.0	14185.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	16375.0	0.0	16375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.7	1.1
10°-20°	476.6	2.9
20°-30°	903.1	5.5
30°-40°	1827.5	11.2
40°-50°	3113.1	19.0
50°-60°	4233.6	25.9
60°-70°	3975.5	24.3
70°-80°	1592.8	9.7
80°-90°	77.2	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°	16375.0	100.0
0°-180°	16375.0	100.0



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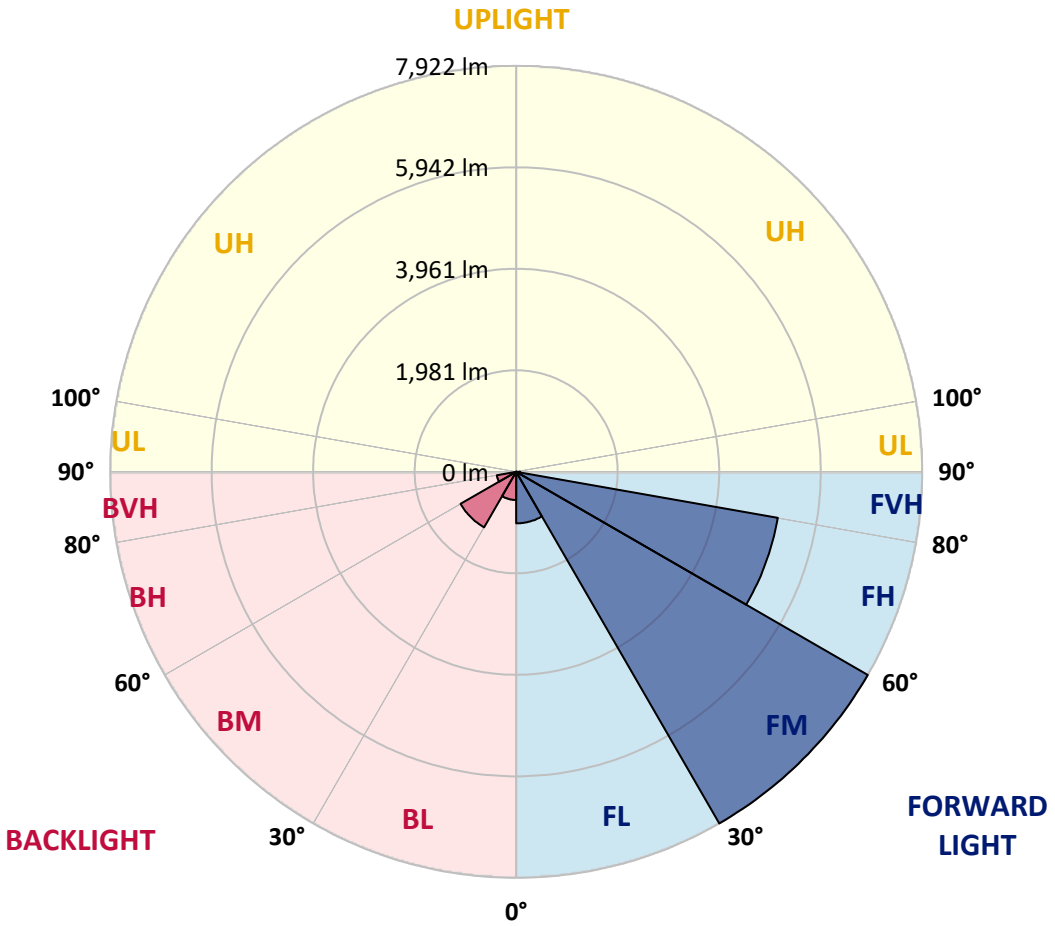
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1005.6	6.1			
FM	(30°-60°)	7922.2	48.4			
FH	(60°-80°)	5184.0	31.7			G3/7500
FVH	(80°-90°)	73.4	0.4			G1/100
BL	(0°-30°)	549.8	3.4	B2/1000		
BM	(30°-60°)	1251.9	7.6	B2/2500		
BH	(60°-80°)	384.4	2.3	B1/500		G1/500
BVH	(80°-90°)	3.8	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-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1904.6	1904.6	1904.6	1904.6	1904.6	1904.6	1904.6	*1904.6*	1904.6	1904.6
2.5°	1898.0	1911.2	1907.9	1904.6	1903.5	1905.7	1906.8	*1905.7*	1905.7	1905.7
5°	1861.8	1872.7	1872.7	1880.4	1891.4	1904.6	1914.5	*1916.7*	1918.9	1922.1
7.5°	1792.6	1801.4	1808.0	1833.2	1860.7	1895.8	1925.4	*1940.8*	1943.0	1955.1
10°	1745.4	1756.4	1767.4	1793.7	1833.2	1885.9	1936.4	*1973.7*	1979.2	2007.8
12.5°	1743.2	1754.2	1768.5	1797.0	1843.1	1899.1	1960.6	*2014.4*	2024.2	2066.0
15°	1766.3	1779.4	1792.6	1827.7	1877.1	1945.2	2011.1	*2078.0*	2087.9	2147.2
17.5°	1813.5	1831.0	1840.9	1876.0	1928.7	2004.5	2091.2	*2168.0*	2176.8	2246.0
20°	1906.8	1927.6	1930.9	1959.5	2011.1	2092.3	2195.5	*2291.0*	2302.0	2381.0
22.5°	2100.0	2129.6	2103.3	2117.5	2163.6	2244.9	2356.9	*2477.6*	2493.0	2583.0
25°	2440.3	2482.0	2413.9	2389.8	2409.5	2494.1	2634.6	*2787.2*	2804.7	2877.2
27.5°	3108.8	3055.0	2951.8	2850.8	2791.6	2839.9	2997.9	*3186.7*	3208.7	3279.0
30°	3843.2	3796.0	3656.6	3432.6	3292.1	3284.4	3430.4	*3641.2*	3666.5	3733.4
32.5°	4578.7	4533.7	4382.2	4106.7	3863.0	3742.2	3843.2	*4077.0*	4090.2	4133.0
35°	5302.1	5256.0	5104.5	4822.4	4522.7	4248.3	4228.5	*4492.0*	4496.4	4541.4
37.5°	6029.9	5991.5	5830.1	5553.5	5258.2	4879.5	4696.1	*4885.0*	4890.4	4934.4
40°	6549.1	6565.6	6454.7	6240.7	5987.1	5573.2	5220.9	*5303.2*	5270.3	5343.8
42.5°	6994.8	7027.7	6931.1	6823.6	6676.5	6312.0	5870.7	*5856.5*	5803.8	5843.3
45°	7380.1	7407.6	7320.8	7295.6	7292.3	7036.5	6581.0	*6495.3*	6421.8	6414.1
47.5°	7521.7	7574.4	7611.7	7696.3	7860.9	7753.4	7315.4	*7182.5*	7100.2	7039.8
50°	7575.5	7631.5	7758.8	8004.7	8394.4	8440.5	8046.4	*7897.2*	7796.2	7686.4
52.5°	7503.1	7603.0	7774.2	8188.1	8753.4	8991.6	8747.9	*8617.3*	8502.0	8323.1
55°	7076.0	7175.9	7526.1	8185.9	8932.3	9378.0	9410.9	*9352.8*	9223.2	8941.1
57.5°	6175.9	6324.1	6878.5	7907.0	8929.0	9710.6	10060.8	*10102.5*	9957.6	9553.6
60°	4928.9	5129.7	5806.0	7289.0	8653.5	9890.7	10630.5	*10839.1*	10685.4	10157.4
62.5°	3439.2	3671.9	4311.9	6320.8	8023.4	9761.1	11046.6	*11431.9*	11315.5	10697.5
65°	*2097.8*	*2172.4*	*2688.4*	*4973.9*	*6952.0*	*9218.8*	*11175.0*	*11752.4*	*11714.0*	*11027.9*
67.5°	1397.4	1460.0	1608.2	3410.7	5396.5	8135.4	10867.6	*11696.4*	11707.4	10974.1
70°	842.0	895.8	992.4	1983.6	3497.4	6439.4	9915.9	*10982.9*	11046.6	10255.1
72.5°	346.9	383.1	470.9	899.1	1811.3	4086.9	7896.1	*9429.6*	9577.8	8622.8
75°	196.5	215.2	276.6	451.2	786.0	1904.6	4782.9	*6694.0*	6912.5	5943.2
77.5°	130.6	139.4	178.9	292.0	442.4	649.9	2044.0	*3487.5*	3904.7	3246.0
80°	87.8	95.5	122.9	195.4	287.6	278.8	651.0	*1292.0*	1589.5	1115.3
82.5°	59.3	60.4	87.8	128.4	182.2	135.0	192.1	*401.8*	505.0	322.7
85°	34.0	32.9	64.8	74.6	81.2	56.0	58.2	*120.8*	158.1	136.1
87.5°	4.4	6.6	25.2	19.8	11.0	12.1	12.1	*20.9*	30.7	32.9
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°
1904.6	0°	1904.6	1904.6	1904.6	1904.6	1904.6	1904.6	1904.6	1904.6	1904.6	1904.6
1906.8	2.5°	1906.8	1905.7	1902.4	1899.1	1891.4	1887.0	1889.2	1887.0	1885.9	1887.0
1921.0	5°	1921.0	1917.8	1909.0	1898.0	1882.6	1864.0	1851.9	1834.3	1817.9	1808.0
1959.5	7.5°	1959.5	1956.2	1944.1	1913.4	1864.0	1786.0	1714.7	1652.1	1604.9	1577.5
2020.9	10°	2020.9	2015.5	1996.8	1928.7	1799.2	1629.0	1487.4	1370.0	1293.1	1256.9
2093.4	12.5°	2093.4	2086.8	2053.9	1914.5	1676.3	1410.6	1215.2	1084.6	1013.2	981.4
2176.8	15°	2179.0	2170.2	2105.5	1846.4	1497.3	1169.1	990.2	892.5	846.4	817.8
2283.3	17.5°	2285.5	2270.1	2143.9	1744.3	1303.0	984.7	851.8	778.3	737.7	710.2
2422.7	20°	2423.8	2398.6	2174.6	1622.5	1124.1	868.3	758.5	697.1	666.3	642.2
2620.3	22.5°	2617.0	2580.8	2212.0	1490.7	997.8	788.2	689.4	644.4	619.1	591.7
2895.8	25°	2856.3	2813.5	2258.1	1368.9	911.1	719.0	638.9	601.6	571.9	540.1
3257.0	27.5°	3191.1	3114.3	2312.9	1269.0	836.5	659.7	592.8	551.1	517.0	490.7
3666.5	30°	3564.4	3438.1	2361.2	1208.6	768.4	604.9	532.4	490.7	458.9	440.2
4034.2	32.5°	3917.8	3746.6	2393.1	1182.3	706.9	542.3	466.5	421.5	397.4	391.9
4394.3	35°	4251.6	4025.4	2389.8	1157.0	652.1	479.7	401.8	355.7	337.0	340.3
4781.8	37.5°	4635.8	4322.9	2366.7	1117.5	607.1	422.6	345.8	305.2	288.7	289.8
5252.7	40°	5082.5	4666.5	2352.5	1042.9	557.7	369.9	299.7	266.8	254.7	250.3
5748.9	42.5°	5559.0	4999.1	2354.7	958.3	496.2	322.7	267.8	240.4	229.4	226.1
6301.0	45°	6037.6	5316.4	2358.0	870.5	431.4	286.5	244.8	221.7	215.2	210.8
6860.9	47.5°	6487.7	5586.4	2296.5	776.1	367.7	259.1	226.1	210.8	205.3	199.8
7422.9	50°	6907.0	5766.4	2148.3	666.3	317.2	237.1	211.9	200.9	195.4	189.9
7932.3	52.5°	7233.0	5795.0	1903.5	553.3	282.1	220.6	203.1	193.2	186.6	181.1
8343.9	55°	7377.9	5616.0	1555.5	447.9	254.7	206.4	194.3	184.4	176.7	171.2
8667.8	57.5°	7340.6	5239.5	1213.0	360.1	228.3	192.1	183.3	176.7	168.0	159.2
8930.1	60°	7157.3	4735.7	914.4	299.7	204.2	176.7	171.2	165.8	153.7	140.5
9031.1	62.5°	6840.0	4102.3	652.1	248.1	177.8	159.2	157.0	152.6	135.0	110.9
8881.8	65°	*6354.8*	*3332.7*	*439.1*	*206.4*	*152.6*	*139.4*	*140.5*	*132.8*	*109.8*	*82.3*
8335.2	67.5°	5645.7	2437.0	281.0	169.1	127.3	116.4	117.5	113.1	93.3	70.3
7298.9	70°	4742.2	1613.7	183.3	128.4	102.1	90.0	96.6	97.7	79.0	57.1
5601.8	72.5°	3476.5	952.8	128.4	95.5	74.6	62.6	79.0	81.2	63.7	42.8
3370.1	75°	1981.4	452.3	96.6	69.2	46.1	43.9	61.5	61.5	43.9	28.5
1458.9	77.5°	832.1	188.8	68.1	45.0	26.3	25.2	41.7	38.4	22.0	13.2
355.7	80°	240.4	84.5	36.2	22.0	11.0	9.9	16.5	12.1	5.5	2.2
135.0	82.5°	94.4	37.3	14.3	8.8	4.4	4.4	2.2	0.0	0.0	0.0
76.8	85°	56.0	15.4	6.6	3.3	1.1	0.0	0.0	0.0	0.0	0.0
16.5	87.5°	14.3	3.3	2.2	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

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180°
1904.6
1891.4
1810.2
1578.6
1253.6
978.1
818.9
708.0
637.8
587.3
536.8
485.2
436.9
395.2
340.3
294.2
249.2
225.0
210.8
199.8
189.9
180.0
170.2
158.1
138.3
108.7
80.1
67.0
54.9
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