

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: P200649

Luminaire Tested: **GWC-AF-01-LED-E1-SLR-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200649
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-SLR-8030-1200
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5001 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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: 25 FT

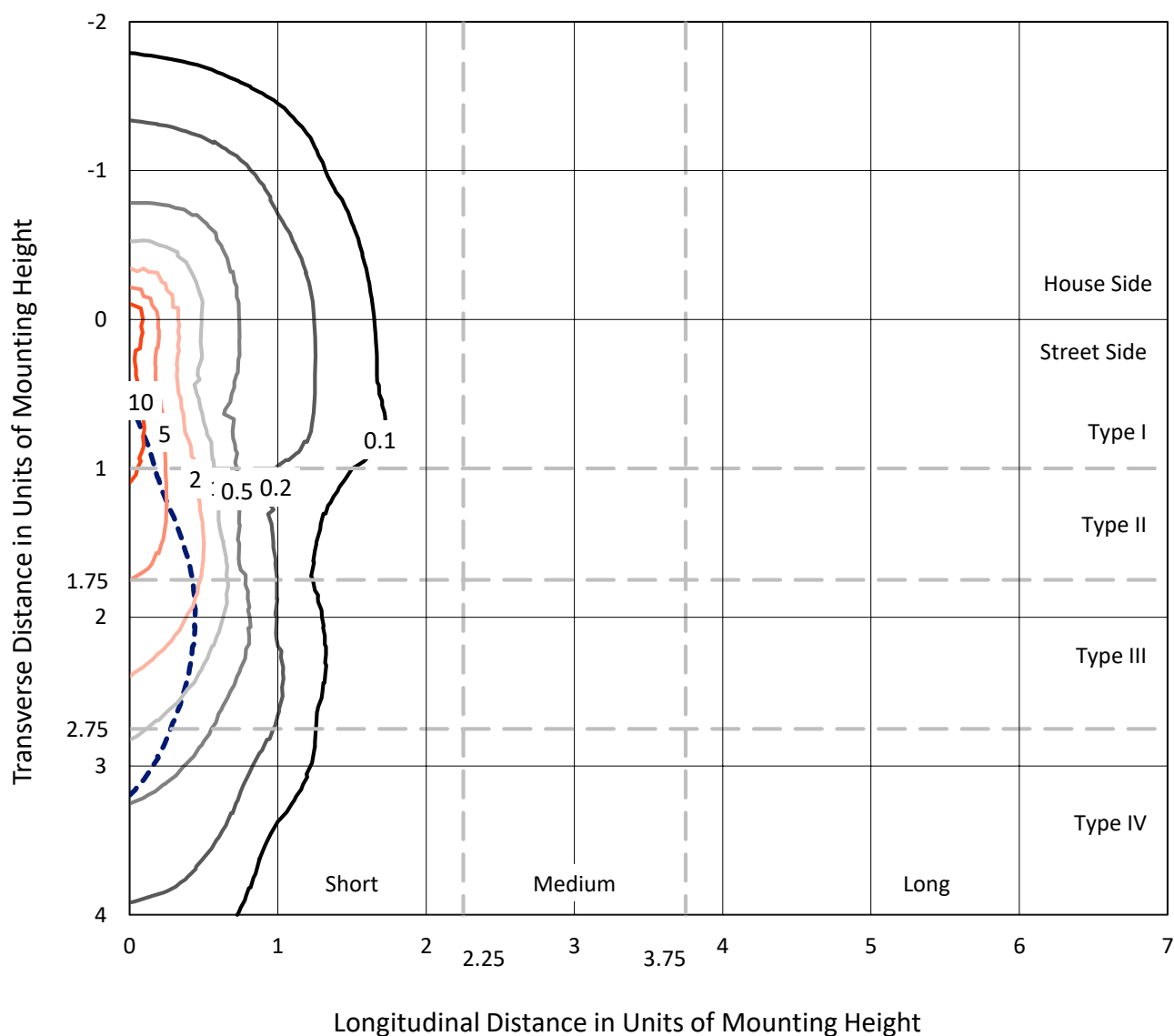


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

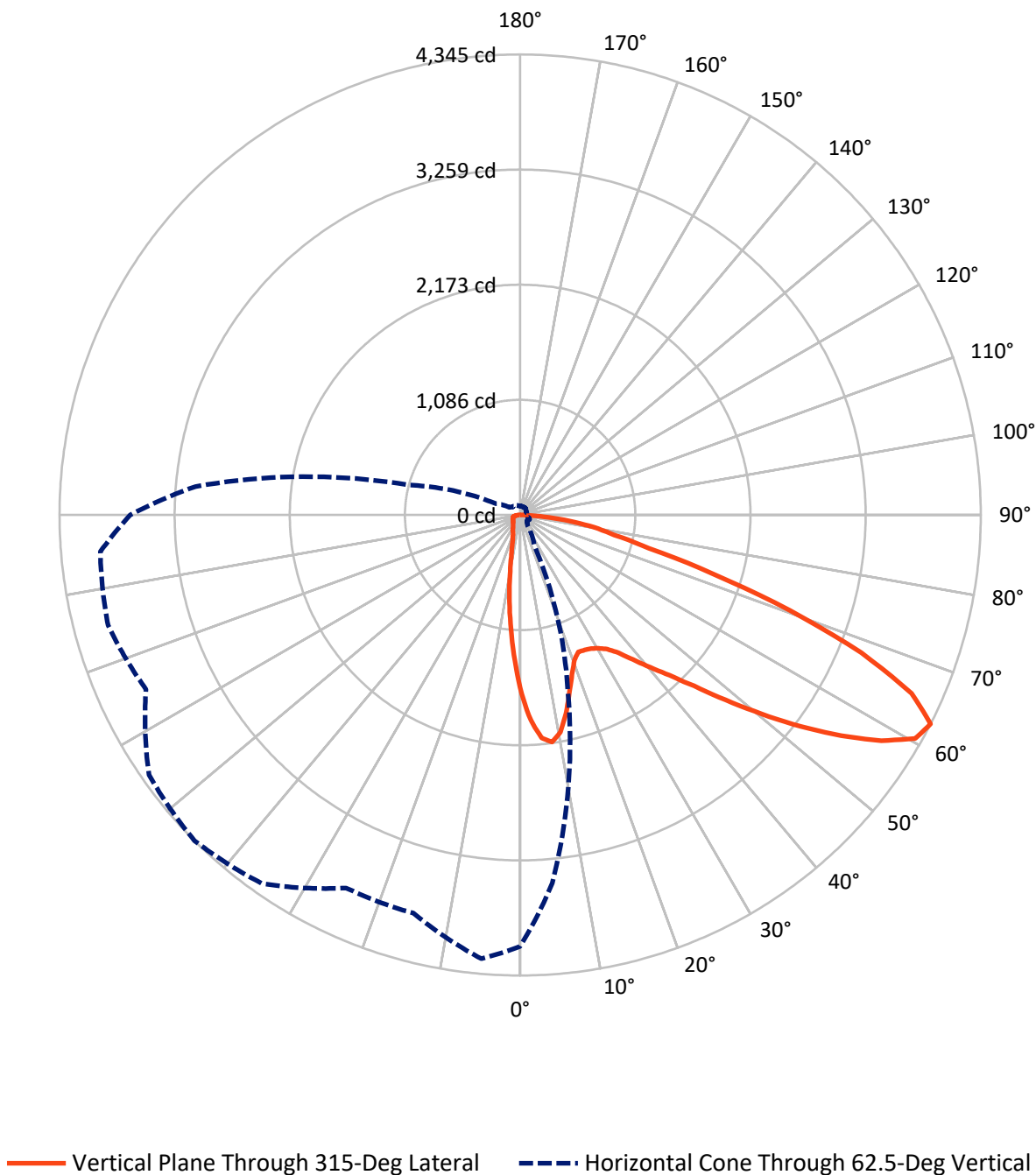


Based on 10 foot mounting height. Maximum calculated value = 16.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	827.6	0.0	827.6
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	4173.4	0.0	4173.4
	% Fixture	83.5	0.0	83.5
Total	Lumens	5001.0	0.0	5001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	2.5
10°-20°	225.5	4.5
20°-30°	328.8	6.6
30°-40°	506.5	10.1
40°-50°	745.4	14.9
50°-60°	1093.3	21.9
60°-70°	1222.2	24.4
70°-80°	598.4	12.0
80°-90°	158.0	3.2
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°	5001.0	100.0
0°-180°	5001.0	100.0

Coefficient of Utilization



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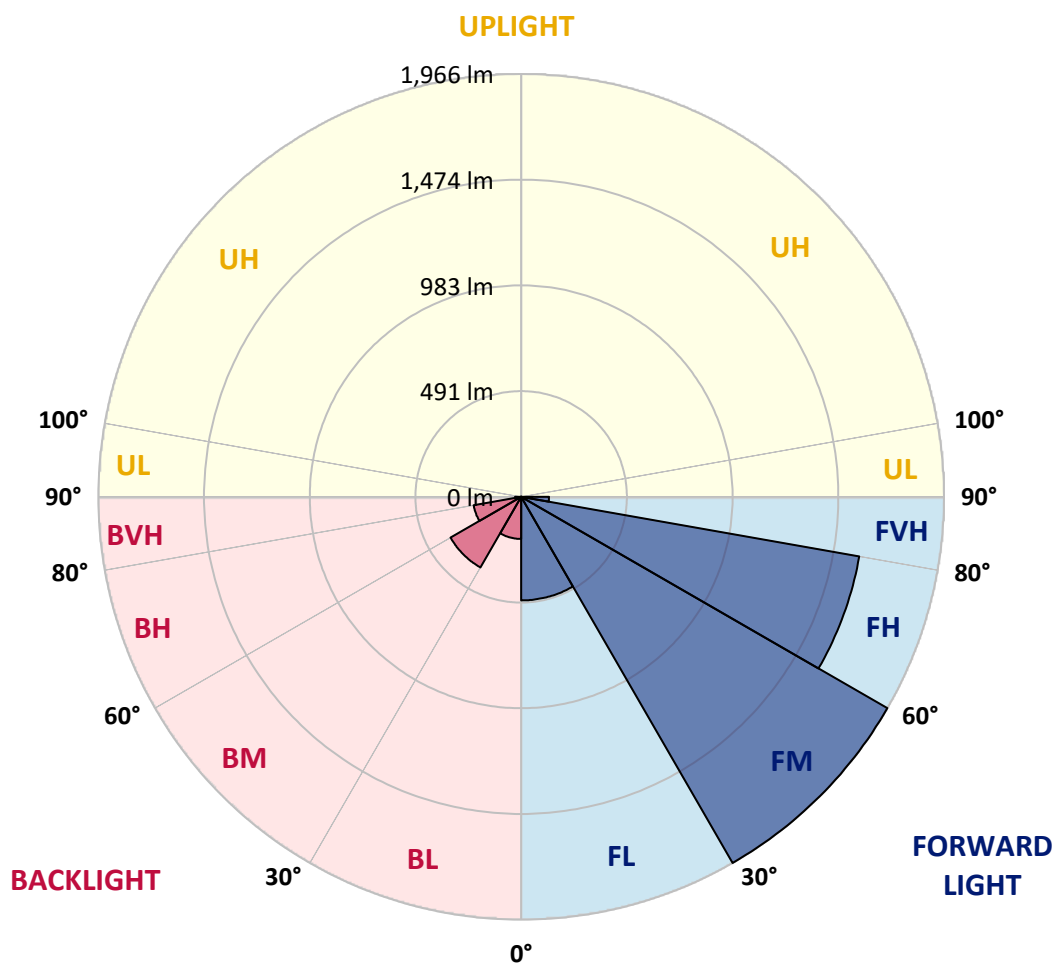
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	481.6	9.6			
FM	(30°-60°)	1965.9	39.3			
FH	(60°-80°)	1596.1	31.9			G1/1800
FVH	(80°-90°)	129.7	2.6			G2/225
BL	(0°-30°)	195.8	3.9	B1/500		
BM	(30°-60°)	379.2	7.6	B1/1000		
BH	(60°-80°)	224.4	4.5	B1/500		G1/500
BVH	(80°-90°)	28.2	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6
2.5°	1755.6	1719.8	1660.5	1598.6	1560.9	1517.0	1482.6	1452.4	1391.9	1380.1	1390.8
5°	1650.8	1579.1	1467.2	1354.5	1279.4	1198.9	1136.2	1085.9	1009.2	995.7	1011.9
7.5°	1482.9	1397.1	1249.2	1105.4	999.3	898.7	831.1	777.2	717.2	691.4	693.1
10°	1338.0	1241.2	1066.4	910.0	823.1	755.2	698.3	643.0	582.3	542.4	531.4
12.5°	1256.9	1145.6	944.0	804.4	723.8	652.4	591.1	532.0	467.1	426.4	414.8
15°	1242.9	1121.9	898.1	736.8	635.9	545.4	473.1	407.1	340.3	307.4	300.5
17.5°	1303.6	1164.3	883.3	676.6	553.1	441.5	352.7	279.0	224.6	208.1	206.7
20°	1420.2	1245.6	881.4	619.9	471.5	340.6	245.8	192.2	168.2	163.6	163.8
22.5°	1583.8	1371.8	905.0	577.3	396.4	254.0	184.7	160.8	151.5	147.1	147.1
25°	1795.4	1545.6	959.4	546.2	331.3	202.9	163.0	148.7	139.9	136.9	137.5
27.5°	2000.5	1714.6	1022.7	521.8	288.7	184.2	154.5	141.6	133.9	130.9	132.2
30°	2160.5	1864.7	1075.5	488.5	266.9	179.0	157.5	144.3	133.3	128.7	128.9
32.5°	2293.0	1996.1	1119.7	464.6	247.7	153.4	135.8	130.0	128.7	123.2	120.4
35°	2462.4	2139.4	1149.4	465.2	238.6	136.9	121.0	110.8	103.4	97.0	97.0
37.5°	2660.9	2303.8	1181.0	471.5	235.3	127.3	115.7	105.6	98.7	92.6	91.5
40°	2857.2	2464.9	1209.9	477.5	233.4	121.5	111.6	102.3	95.9	89.9	88.2
42.5°	3024.0	2597.4	1235.7	480.5	226.8	121.0	108.6	100.1	94.0	87.4	85.8
45°	3147.5	2708.4	1263.5	485.2	220.2	123.2	108.6	99.8	92.4	86.0	84.4
47.5°	3257.7	2838.7	1310.0	485.2	212.2	119.0	112.2	100.1	92.1	85.5	84.1
50°	3405.3	3017.4	1397.9	473.9	201.0	114.6	118.2	99.0	89.6	84.4	82.7
52.5°	3608.8	3246.4	1537.6	454.4	183.6	106.1	117.4	98.4	87.1	81.6	79.7
55°	3849.3	3491.7	1689.9	431.6	157.8	100.1	113.3	97.0	84.4	78.3	76.4
57.5°	4037.1	3660.4	1797.1	396.4	135.3	96.8	100.3	95.7	81.1	74.8	73.1
60°	4111.9	3653.9	1826.5	349.4	124.3	94.0	87.7	107.2	78.3	72.0	70.1
62.5°	4071.4	3485.1	1744.0	316.4	121.8	90.4	82.2	99.2	76.2	70.1	67.4
65°	3884.8	3186.0	1525.5	307.6	128.9	86.9	78.6	77.8	73.1	67.4	64.6
67.5°	3478.2	2738.9	1221.4	308.5	138.0	83.3	75.1	71.2	69.0	64.3	61.9
70°	2833.0	2165.5	910.5	310.7	142.7	79.2	71.2	67.1	64.6	59.9	58.3
72.5°	2083.0	1669.0	661.4	296.4	143.5	74.5	66.0	62.4	59.9	55.0	53.6
75°	1425.1	1276.7	458.8	245.5	125.1	67.9	60.2	56.9	55.3	49.2	48.4
77.5°	1041.1	958.3	293.6	182.3	96.5	59.7	53.1	50.6	49.5	42.9	41.8
80°	835.5	758.2	183.6	124.8	70.7	50.0	44.5	43.2	42.1	35.5	34.6
82.5°	579.5	507.8	117.9	81.1	53.1	38.8	35.2	34.6	33.0	26.9	26.1
85°	305.7	275.7	74.8	55.3	38.5	26.7	24.5	24.5	23.6	17.9	17.3
87.5°	39.0	63.5	37.9	28.9	21.2	11.8	11.8	11.5	12.4	10.2	8.8
90°	0.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°	185°
0°	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6
2.5°	1365.5	1378.7	1366.0	1366.9	1380.9	1422.7	1441.6	1457.3	1474.1	1485.1	1490.0
5°	989.7	1020.5	1030.9	1052.9	1085.4	1138.7	1159.9	1175.2	1185.4	1191.5	1193.9
7.5°	676.8	695.5	716.4	751.9	822.5	853.9	867.9	864.3	852.8	848.7	844.5
10°	510.2	502.8	499.0	518.5	575.7	607.3	617.2	607.6	601.2	602.6	609.5
12.5°	395.3	382.4	366.7	364.5	402.2	430.5	436.8	437.4	448.9	459.1	474.2
15°	288.1	286.7	279.0	274.4	295.8	318.9	321.6	326.6	337.0	344.5	357.7
17.5°	203.2	210.6	216.6	219.7	235.9	252.4	249.3	246.9	244.9	244.9	251.3
20°	163.8	168.8	176.5	185.3	201.8	213.3	205.9	196.0	188.9	186.7	187.5
22.5°	147.6	151.5	155.9	163.6	178.4	186.4	178.4	171.3	164.1	161.6	160.8
25°	139.4	144.3	148.5	154.2	165.2	170.7	163.0	157.8	153.4	150.4	148.2
27.5°	134.7	139.1	140.2	143.0	152.3	157.2	153.4	151.2	148.5	145.7	143.0
30°	129.8	128.9	127.0	127.3	134.7	139.7	139.4	139.9	139.7	138.8	138.3
32.5°	118.5	116.8	115.2	116.8	123.7	128.1	128.4	129.5	129.5	129.2	131.4
35°	98.7	101.7	103.6	108.6	116.8	120.7	119.0	116.3	111.3	108.3	108.0
37.5°	91.3	91.8	95.1	102.0	111.1	114.6	112.2	105.8	102.5	102.0	102.8
40°	87.7	88.2	90.2	96.5	105.6	109.1	106.9	102.3	99.2	99.0	100.3
42.5°	85.2	85.8	86.9	91.3	98.7	103.1	103.4	100.1	96.5	96.8	98.1
45°	83.8	84.1	83.8	86.0	92.9	98.1	100.3	98.1	95.1	95.7	97.3
47.5°	83.6	82.7	81.6	82.2	89.3	94.6	97.3	96.5	95.1	95.7	97.0
50°	82.5	80.5	79.2	78.9	86.0	91.5	94.0	94.0	94.6	95.7	97.0
52.5°	79.2	77.0	77.0	76.2	83.8	89.1	90.7	91.0	91.8	93.7	95.7
55°	75.1	74.2	75.1	73.7	82.2	87.1	88.0	88.5	89.1	90.7	93.5
57.5°	71.5	70.4	72.3	71.8	80.8	85.2	85.2	86.3	86.3	88.5	90.7
60°	69.6	67.4	68.2	68.7	78.9	83.6	83.0	84.1	84.7	86.6	88.2
62.5°	67.1	65.2	65.2	66.5	76.7	81.1	80.8	81.6	83.8	84.4	86.0
65°	64.1	63.2	62.4	64.1	74.5	78.3	78.6	79.7	81.6	82.2	83.6
67.5°	61.0	61.3	59.7	61.3	72.6	75.6	75.6	77.8	78.6	79.7	81.1
70°	57.7	58.0	56.6	58.6	71.2	72.6	72.3	75.3	75.9	76.7	78.1
72.5°	53.6	53.6	53.1	55.8	69.0	69.6	69.0	71.5	71.8	72.6	73.1
75°	49.2	49.2	48.7	52.5	67.6	66.3	64.6	66.5	67.1	67.6	67.6
77.5°	43.4	44.0	44.0	48.7	63.0	64.9	59.4	60.5	61.3	61.6	60.8
80°	36.3	37.7	38.2	44.3	52.8	59.9	53.1	53.9	54.2	54.2	53.1
82.5°	27.8	30.2	31.6	38.2	40.4	50.3	46.2	47.0	46.2	44.5	44.0
85°	19.2	22.5	24.2	29.1	30.5	38.8	38.5	38.5	36.8	34.6	34.4
87.5°	10.4	12.4	13.5	17.3	20.9	26.1	28.3	27.5	26.1	24.7	25.0
90°	0.0	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):

	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°	285°
0°	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6
2.5°	1515.9	1553.3	1612.9	1658.5	1704.5	1748.7	1796.5	1833.1	1864.2	1876.3	1913.1
5°	1219.0	1265.7	1322.1	1423.8	1495.8	1575.2	1667.1	1788.6	1835.3	1899.9	2005.8
7.5°	861.8	904.2	994.9	1077.1	1179.1	1291.5	1415.5	1583.2	1644.5	1748.2	1920.5
10°	643.6	692.8	765.6	834.9	924.8	1039.7	1182.1	1369.6	1444.1	1556.5	1755.0
12.5°	518.5	576.5	653.7	718.9	788.4	869.5	1007.8	1213.5	1313.3	1411.7	1612.4
15°	398.3	459.1	530.9	613.6	690.3	777.7	922.6	1147.5	1262.4	1364.9	1536.2
17.5°	275.7	327.7	418.1	504.5	602.6	714.5	899.0	1161.5	1298.7	1416.9	1549.4
20°	195.5	225.2	299.4	399.4	521.8	662.3	894.6	1235.2	1413.6	1548.6	1634.1
22.5°	164.4	175.4	218.6	310.4	451.7	623.2	910.0	1338.5	1568.6	1741.0	1769.1
25°	149.8	156.4	179.0	243.6	389.3	594.9	961.9	1492.5	1760.5	1933.5	1928.5
27.5°	141.9	148.7	163.6	205.6	342.3	577.3	1013.9	1675.0	1979.9	2142.4	2080.8
30°	139.4	148.7	164.4	193.8	308.7	549.5	1056.5	1835.3	2148.7	2283.4	2150.1
32.5°	137.5	138.8	146.0	167.1	276.8	517.1	1085.4	1979.1	2313.9	2417.6	2249.9
35°	111.1	117.9	129.5	149.8	258.1	497.6	1085.4	2103.1	2476.7	2553.1	2345.0
37.5°	106.9	113.0	123.2	140.5	247.7	488.0	1063.6	2222.7	2643.0	2706.8	2423.3
40°	104.7	109.7	119.3	133.3	243.3	477.0	1032.0	2328.2	2805.5	2860.7	2496.5
42.5°	103.1	107.5	116.6	128.9	237.5	464.9	1006.5	2412.9	2946.5	2992.1	2566.3
45°	102.3	106.9	116.8	131.1	226.0	448.9	997.9	2504.4	3062.5	3101.8	2641.9
47.5°	102.3	107.8	118.2	135.8	212.2	432.4	1024.6	2625.1	3172.2	3191.4	2731.0
50°	101.4	107.5	122.1	131.1	192.2	411.5	1087.3	2777.2	3291.0	3293.2	2843.7
52.5°	99.8	106.9	131.4	128.4	169.1	384.1	1171.9	2972.3	3466.6	3479.8	3020.2
55°	97.9	106.1	128.9	122.1	150.1	351.3	1241.2	3209.6	3713.5	3750.1	3279.7
57.5°	95.4	105.0	124.8	113.3	137.7	309.3	1266.2	3383.3	3885.9	3977.7	3572.2
60°	93.2	104.2	112.7	108.0	130.0	273.8	1217.9	3349.0	3874.1	4072.0	3831.4
62.5°	91.0	105.0	102.8	104.7	126.5	251.0	1091.4	3073.8	3678.0	3974.7	4023.6
65°	88.5	97.6	97.0	102.0	125.6	241.9	904.7	2661.1	3299.2	3667.0	4069.0
67.5°	85.2	90.2	92.9	98.4	128.4	233.9	730.2	2195.2	2772.8	3206.0	3832.5
70°	81.6	85.8	88.8	94.0	126.7	230.4	607.3	1731.1	2200.1	2627.6	3366.0
72.5°	77.0	80.5	83.3	88.2	125.1	228.5	513.0	1394.1	1642.6	1951.9	2736.7
75°	71.5	74.8	76.7	81.6	119.9	209.2	403.3	1179.6	1229.1	1357.8	2179.8
77.5°	65.2	67.6	69.3	74.8	106.1	174.0	291.7	910.0	954.5	985.8	1671.2
80°	57.7	60.2	61.0	66.3	88.0	136.1	190.2	672.2	713.9	721.1	1091.4
82.5°	49.2	51.7	51.7	56.6	72.0	97.9	124.8	460.5	468.7	492.9	771.4
85°	39.6	41.5	41.5	44.0	55.8	73.1	85.8	231.2	228.7	261.2	668.3
87.5°	28.3	29.7	31.1	31.6	39.9	48.4	51.7	70.4	46.5	53.3	429.1
90°	0.0	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):

	295°	305°	315°	325°	335°	345°	355°	360°
0°	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6	1689.6
2.5°	1940.9	1956.5	1940.6	1929.1	1879.3	1838.3	1783.6	1755.6
5°	2086.3	2126.2	2112.7	2064.3	1960.4	1843.6	1710.8	1650.8
7.5°	2068.7	2161.4	2163.6	2073.1	1920.0	1747.9	1568.1	1482.9
10°	1931.8	2050.3	2084.1	1996.4	1833.9	1641.5	1435.3	1338.0
12.5°	1779.0	1895.0	1920.8	1890.6	1754.8	1561.5	1352.3	1256.9
15°	1653.9	1705.8	1736.6	1763.0	1686.9	1529.6	1347.6	1242.9
17.5°	1577.7	1571.9	1580.7	1626.7	1639.6	1566.2	1419.1	1303.6
20°	1550.2	1462.0	1459.8	1523.0	1617.3	1653.3	1558.7	1420.2
22.5°	1565.3	1422.4	1404.2	1479.3	1629.1	1779.0	1741.8	1583.8
25°	1617.6	1425.7	1411.1	1483.7	1672.0	1912.8	1939.5	1795.4
27.5°	1699.8	1446.6	1427.3	1501.8	1728.9	2025.3	2134.1	2000.5
30°	1777.9	1482.9	1459.0	1537.6	1780.9	2069.8	2253.5	2160.5
32.5°	1872.7	1550.8	1508.7	1603.3	1845.2	2140.7	2359.8	2293.0
35°	1965.6	1647.5	1595.3	1704.7	1917.0	2229.0	2481.4	2462.4
37.5°	2067.6	1774.0	1730.8	1835.9	2015.1	2312.3	2636.4	2660.9
40°	2176.5	1941.7	1890.6	2027.2	2167.4	2416.7	2798.3	2857.2
42.5°	2286.2	2127.8	2066.8	2205.3	2334.8	2519.8	2936.9	3024.0
45°	2411.8	2329.9	2301.0	2450.8	2495.6	2618.0	3039.1	3147.5
47.5°	2558.1	2559.2	2605.6	2665.5	2657.8	2729.0	3142.0	3257.7
50°	2728.8	2845.3	2947.9	2987.7	2825.0	2848.4	3284.6	3405.3
52.5°	2933.9	3187.6	3314.6	3288.5	3005.1	2994.1	3510.6	3608.8
55°	3190.4	3549.9	3676.1	3657.4	3212.1	3192.5	3792.1	3849.3
57.5°	3487.3	3901.0	4017.0	3932.9	3460.6	3410.3	4025.0	4037.1
60°	3748.1	4179.2	4280.9	4187.7	3711.3	3642.0	4170.4	4111.9
62.5°	3893.3	4273.5	4345.0	4244.6	3883.1	3888.9	4202.3	4071.4
65°	3828.4	4035.2	4058.2	4050.0	3838.9	4032.1	4087.7	3884.8
67.5°	3473.2	3432.5	3471.3	3524.9	3459.5	3843.5	3770.1	3478.2
70°	2847.5	2624.0	2701.3	2737.3	2767.0	3307.5	3272.3	2833.0
72.5°	2146.0	1838.3	1899.4	1891.9	2029.4	2652.9	2544.9	2083.0
75°	1520.5	1246.4	1254.1	1251.1	1416.1	2075.6	1842.7	1425.1
77.5°	1063.9	903.1	907.2	924.3	952.0	1565.3	1316.6	1041.1
80°	731.5	685.4	708.2	709.5	659.8	1051.5	972.6	835.5
82.5°	544.9	476.4	470.9	478.9	517.1	852.0	747.5	579.5
85°	446.2	282.1	226.8	284.3	458.3	843.7	496.5	305.7
87.5°	251.3	133.9	60.5	112.2	182.8	558.6	143.5	39.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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