

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: P526233

Luminaire Tested: **GALN-SA1A-830-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-830-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2033 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

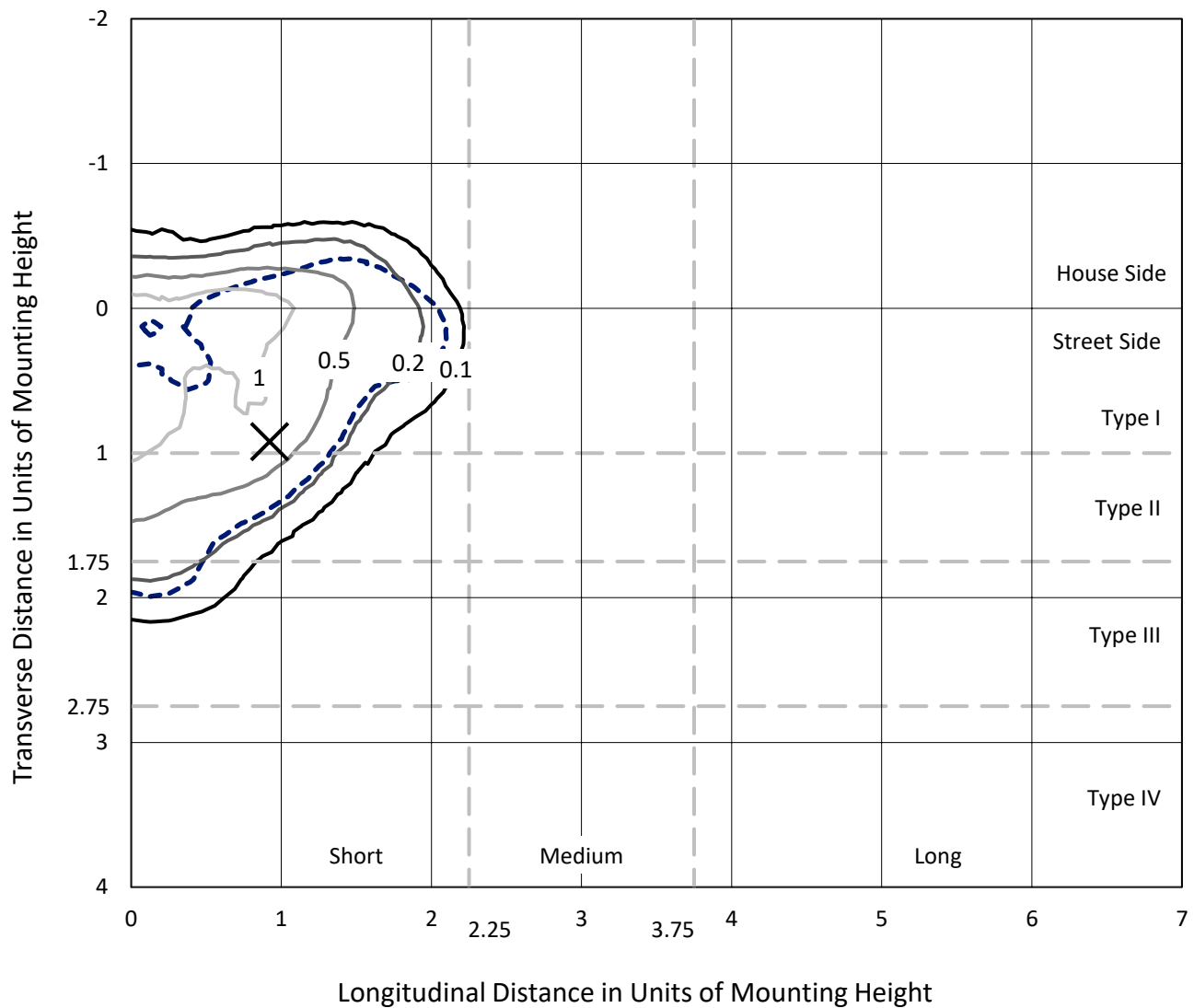
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

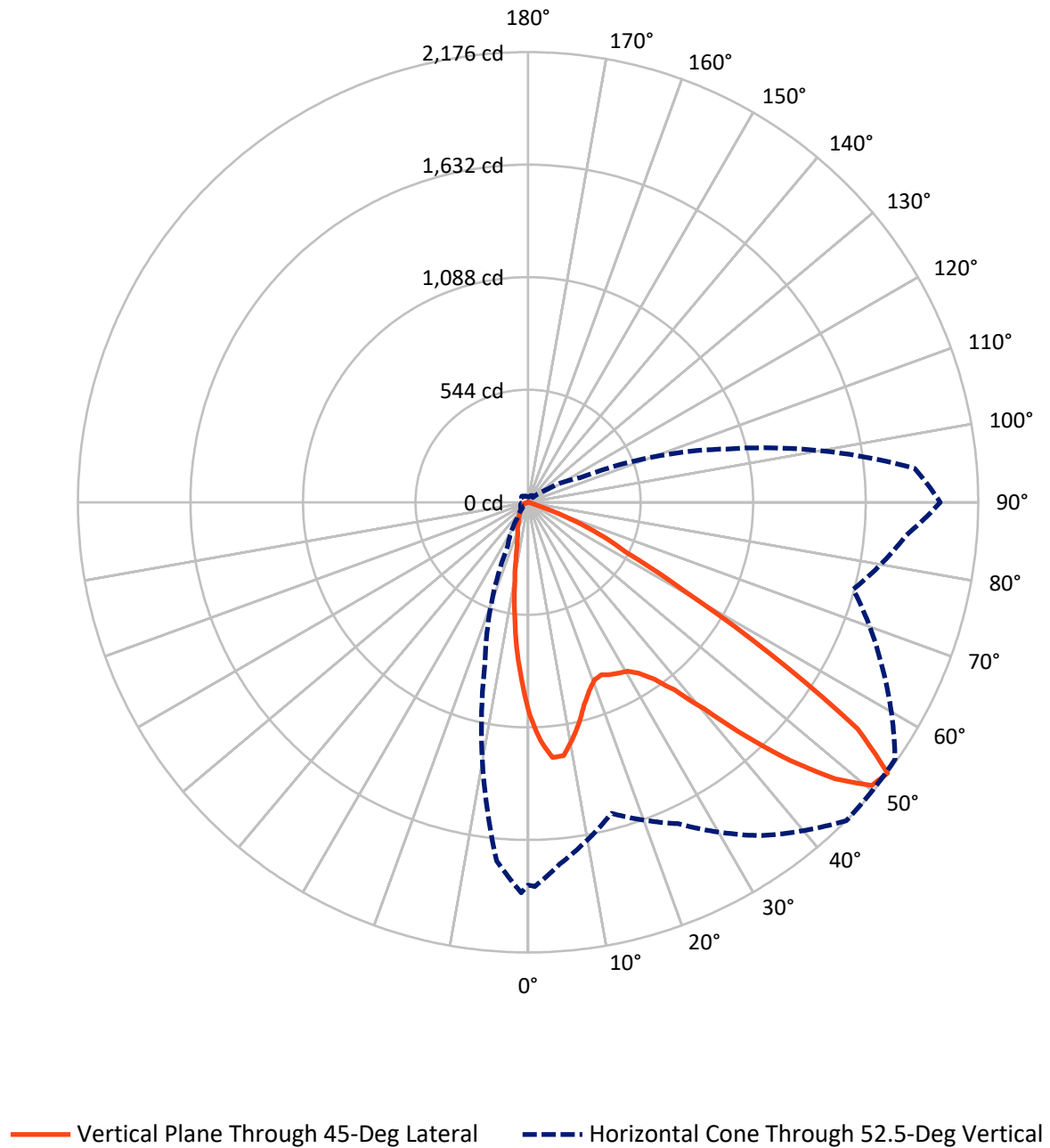
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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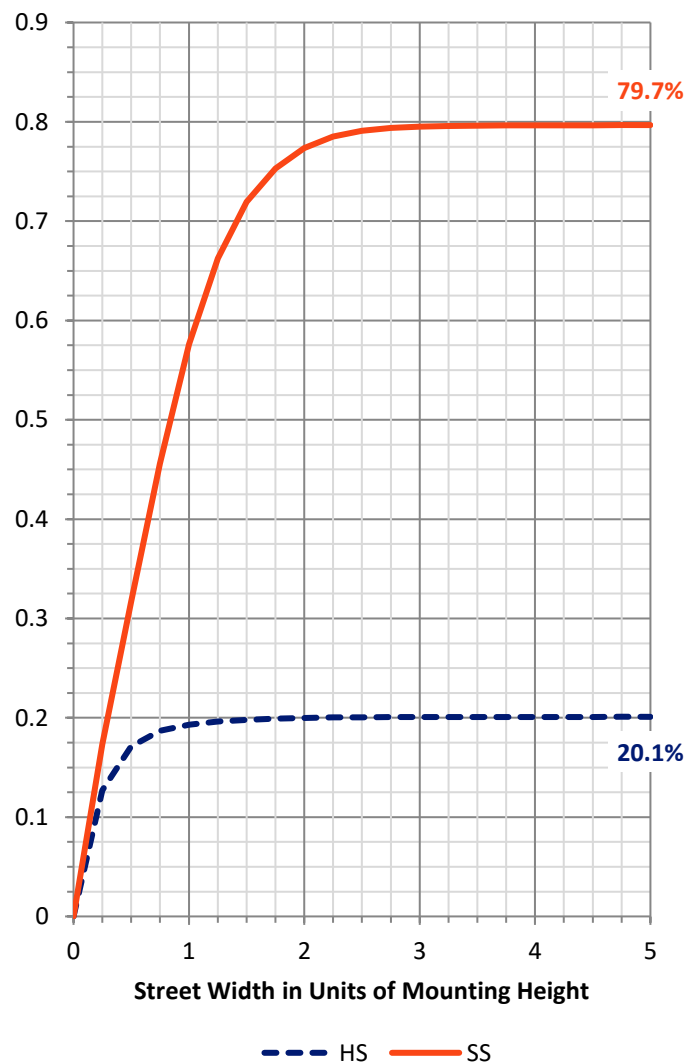
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	412.6	0.0	412.6
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	1620.4	0.0	1620.4
	% Fixture	79.7	0.0	79.7
Total	Lumens	2033.0	0.0	2033.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.2	3.7
10°-20°	148.3	7.3
20°-30°	225.7	11.1
30°-40°	337.4	16.6
40°-50°	480.4	23.6
50°-60°	516.5	25.4
60°-70°	228.9	11.3
70°-80°	18.5	0.9
80°-90°	2.2	0.1
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°	2033.0	100.0
0°-180°	2033.0	100.0

Coefficient of Utilization



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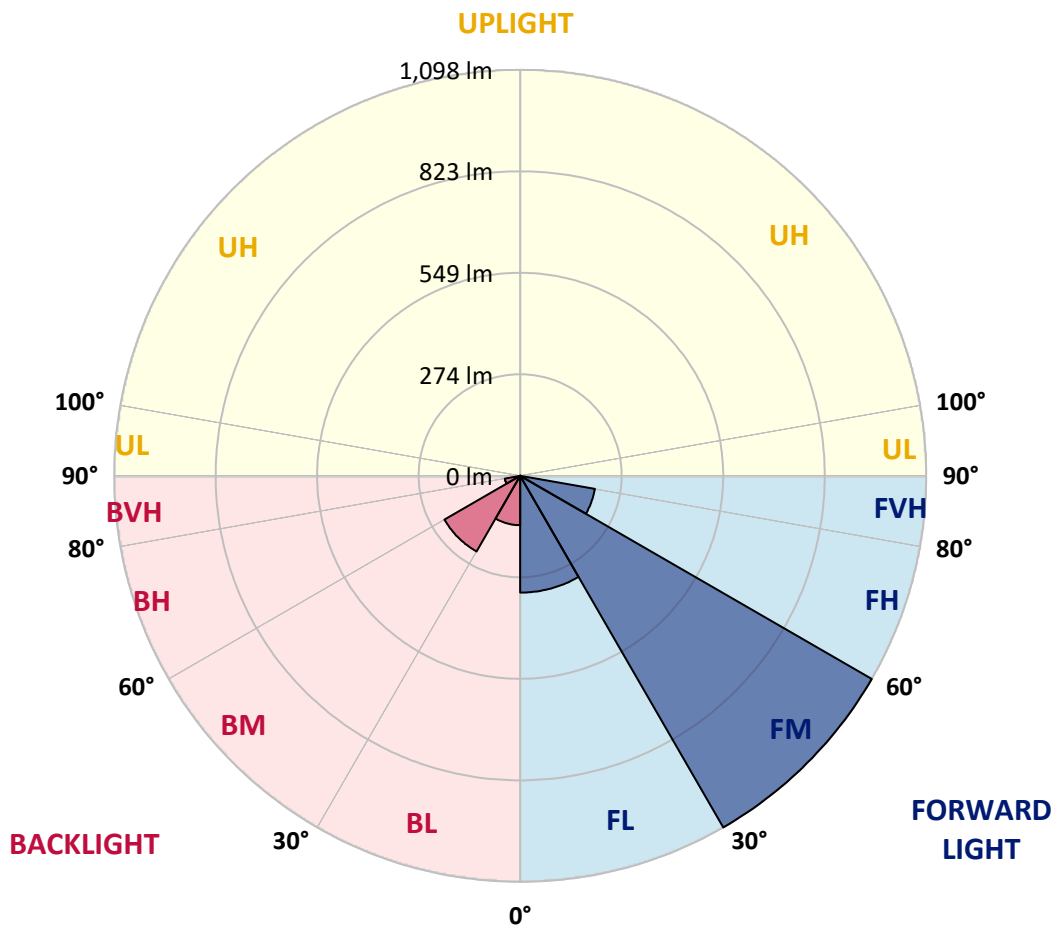
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	315.8	15.5			
FM	(30°-60°)	1097.9	54.0			
FH	(60°-80°)	205.2	10.1			G0/660
FVH	(80°-90°)	1.6	0.1			G0/10
BL	(0°-30°)	133.5	6.6	B1/500		
BM	(30°-60°)	236.4	11.6	B1/1000		
BH	(60°-80°)	42.2	2.1	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G0

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8
2.5°	1090.8	1094.0	1111.6	1133.6	1145.2	1171.6	1153.2	1158.0	1148.0	1112.8	1085.2
5°	1057.6	1057.2	1079.6	1134.0	1185.6	1238.0	1239.5	1211.6	1162.4	1108.4	1031.2
7.5°	957.7	973.2	996.4	1083.2	1178.8	1218.0	1236.8	1204.0	1128.4	1051.2	967.6
10°	882.1	890.1	929.3	1034.0	1104.0	1156.4	1168.0	1149.2	1091.2	994.8	901.3
12.5°	838.5	842.5	888.5	976.4	1050.4	1089.2	1094.8	1103.6	1062.0	971.6	859.3
15°	838.9	842.1	904.1	977.6	1006.8	996.4	1014.8	1014.4	1032.4	967.2	894.5
17.5°	899.3	902.9	958.9	995.2	982.4	958.1	956.9	975.2	1013.2	1022.0	947.7
20°	1003.2	1011.6	1052.8	1050.8	978.8	929.7	916.1	930.1	1018.4	1068.4	1054.8
22.5°	1143.2	1154.8	1183.6	1128.4	995.2	910.5	906.1	933.3	1052.8	1172.0	1176.4
25°	1305.5	1325.1	1339.1	1268.3	1053.6	943.7	922.9	969.6	1099.2	1284.3	1331.1
27.5°	1413.1	1433.5	1430.3	1329.1	1092.8	952.5	934.9	978.4	1139.6	1311.1	1411.9
30°	1497.1	1509.5	1531.8	1361.9	1132.0	977.2	947.3	1015.6	1152.8	1357.5	1509.5
32.5°	1595.0	1603.4	1605.0	1419.9	1192.4	1008.4	985.6	1062.0	1211.2	1401.9	1595.8
35°	1693.8	1706.2	1680.2	1491.5	1229.6	1066.4	1049.6	1142.4	1257.9	1447.9	1691.0
37.5°	1800.9	1807.3	1747.4	1521.0	1282.7	1160.8	1151.6	1229.2	1339.1	1531.0	1796.5
40°	1890.9	1896.9	1818.9	1557.4	1338.7	1292.7	1316.3	1394.7	1449.5	1585.0	1849.3
42.5°	1940.9	1954.9	1842.9	1537.4	1451.1	1442.3	1547.0	1574.6	1577.4	1600.2	1896.5
45°	1954.5	1948.1	1803.3	1553.8	1549.4	1688.2	1783.4	1819.7	1704.6	1628.2	1908.5
47.5°	1891.7	1900.1	1745.0	1539.4	1678.6	1874.5	1997.7	2065.2	1799.3	1603.8	1878.9
50°	1840.9	1830.1	1726.2	1529.0	1713.4	1962.5	2152.4	2167.6	1886.5	1633.8	1846.5
52.5°	1850.9	1857.7	1756.2	1556.6	1714.2	1967.7	2176.4	2166.0	1889.3	1627.0	1834.9
55°	1872.1	1842.1	1743.4	1495.9	1599.4	1822.5	1931.7	1915.7	1743.8	1554.6	1806.5
57.5°	1615.4	1661.8	1603.0	1335.5	1312.7	1373.1	1371.1	1420.3	1300.7	1337.9	1644.6
60°	1311.1	1319.1	1341.1	1142.4	908.5	887.7	858.9	827.7	875.3	1144.0	1495.9
62.5°	1153.2	1143.6	1222.0	1039.2	641.4	537.0	532.2	551.4	675.4	1091.2	1403.1
65°	838.1	850.1	906.9	806.5	481.4	409.9	402.7	459.4	546.6	874.5	1070.8
67.5°	511.8	535.0	540.2	497.4	326.7	259.5	249.1	300.7	394.7	565.8	627.8
70°	236.3	264.3	290.7	271.5	189.1	106.8	100.8	126.4	199.1	325.5	333.1
72.5°	71.6	72.0	100.8	105.2	61.2	24.0	21.2	28.0	67.6	107.6	113.2
75°	5.2	5.6	13.6	15.6	11.6	6.0	6.4	7.6	14.4	24.0	18.0
77.5°	0.4	0.4	0.4	2.0	3.6	4.0	5.2	6.0	7.6	8.8	8.0
80°	0.4	0.0	0.4	1.6	2.8	4.0	4.8	5.6	6.0	6.8	6.0
82.5°	0.0	0.0	0.0	1.2	2.8	4.0	4.4	6.0	6.8	8.0	6.8
85°	0.0	0.0	0.0	1.2	2.8	4.4	4.0	2.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8
2.5°	1090.0	1074.4	1038.8	1020.8	978.4	972.4	930.9	924.1	910.1	902.5	884.1
5°	997.2	978.4	920.5	871.7	814.9	775.3	744.9	717.3	701.3	686.6	693.3
7.5°	921.7	866.9	802.5	720.9	655.4	613.0	566.6	528.6	506.2	491.0	494.6
10°	842.5	806.9	717.3	625.8	546.6	516.6	480.2	451.0	419.4	392.3	379.5
12.5°	817.7	764.9	652.6	559.4	499.4	470.2	428.6	395.1	354.7	321.5	309.9
15°	822.1	771.3	635.0	535.4	464.6	414.2	364.7	323.1	278.7	255.5	243.5
17.5°	893.7	805.7	646.6	510.2	416.2	346.3	285.1	232.3	199.1	175.1	169.9
20°	981.6	880.1	671.4	491.8	376.7	275.5	208.3	162.7	135.2	131.2	130.0
22.5°	1110.4	1001.6	724.5	479.4	328.3	214.7	142.7	118.4	110.8	110.0	110.4
25°	1290.3	1154.0	782.5	469.0	291.9	165.5	116.8	100.4	98.0	96.8	98.8
27.5°	1368.3	1245.9	813.3	446.6	258.7	149.1	115.2	99.6	92.8	90.8	92.0
30°	1464.7	1307.1	861.7	408.3	209.9	122.8	107.6	108.4	105.2	95.2	92.0
32.5°	1592.6	1383.5	886.1	381.1	187.5	101.6	78.8	72.4	80.8	82.4	85.2
35°	1674.6	1461.1	898.5	365.1	175.9	86.8	66.8	60.8	58.8	59.2	60.8
37.5°	1826.9	1565.8	914.1	348.3	167.1	75.6	60.4	54.8	52.0	52.0	53.6
40°	1918.1	1649.0	935.3	339.1	158.3	68.8	54.8	50.0	47.6	47.6	48.4
42.5°	1940.9	1690.2	928.1	335.9	148.3	67.2	50.0	46.4	43.6	43.2	42.8
45°	1981.7	1753.0	929.3	332.3	137.9	61.2	47.2	43.2	39.2	38.8	38.4
47.5°	2026.5	1798.1	931.7	318.3	128.0	51.2	49.2	40.0	35.2	34.4	34.4
50°	1988.1	1834.1	952.5	304.3	115.2	41.6	48.4	37.6	31.2	30.0	30.4
52.5°	1992.9	1876.5	996.4	284.7	99.2	33.2	39.2	35.6	28.4	26.4	26.8
55°	1916.1	1831.7	1002.4	263.9	77.6	25.6	30.0	31.2	24.0	23.2	23.2
57.5°	1649.4	1551.0	884.5	213.9	51.2	21.2	21.6	27.2	20.8	20.0	20.4
60°	1411.5	1245.1	711.7	141.1	32.0	16.8	15.6	27.6	18.4	18.0	19.2
62.5°	1286.7	1023.2	539.8	87.6	22.0	12.8	10.8	22.4	16.0	16.0	17.6
65°	929.7	687.4	313.9	46.0	15.6	10.0	8.0	12.8	13.2	13.6	14.4
67.5°	575.8	347.1	132.4	22.4	10.4	6.8	5.2	8.0	8.8	8.8	9.6
70°	284.3	138.3	44.0	12.8	8.0	5.6	3.6	4.4	4.4	4.0	4.4
72.5°	88.0	41.6	11.2	8.0	5.6	3.6	2.0	1.6	0.8	0.0	0.4
75°	10.0	8.0	7.2	5.6	3.6	1.6	0.4	0.0	0.0	0.0	0.0
77.5°	6.0	6.8	6.8	5.6	3.6	1.2	0.0	0.0	0.0	0.0	0.0
80°	4.8	5.2	5.6	5.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0
82.5°	6.0	6.8	7.6	6.8	4.4	2.0	0.8	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	1.2	0.4	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	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	0.0

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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8
2.5°	876.5	867.7	880.1	861.7	861.3	861.7	856.5	851.7	859.3	879.7	881.7
5°	669.0	687.8	693.7	713.3	702.5	686.6	689.7	679.0	705.3	716.9	707.7
7.5°	487.0	485.8	526.2	528.6	533.8	534.2	533.4	512.2	490.6	495.4	509.8
10°	377.9	357.5	377.1	375.1	387.9	384.3	389.5	366.7	374.3	374.3	383.5
12.5°	307.9	286.3	282.7	277.5	282.7	284.7	286.7	282.3	295.1	301.1	307.5
15°	235.1	223.1	219.9	209.9	211.5	217.1	221.9	223.9	219.9	229.1	229.9
17.5°	170.7	170.3	172.3	171.9	170.3	169.1	168.7	163.5	161.9	162.7	165.9
20°	129.6	132.8	139.5	146.3	149.9	145.5	139.5	130.8	127.2	128.0	128.4
22.5°	110.8	115.6	124.8	132.4	136.0	128.0	117.2	109.6	108.0	107.6	107.2
25°	100.4	106.0	112.8	115.2	114.8	110.0	102.0	98.8	98.0	97.2	93.6
27.5°	94.8	96.8	98.0	100.8	102.0	98.8	96.8	92.0	91.2	91.2	88.8
30°	91.6	90.4	92.0	90.0	91.6	89.2	89.6	89.6	87.6	88.4	88.4
32.5°	85.2	85.6	85.6	81.6	82.8	80.0	82.8	85.2	85.6	86.0	89.2
35°	62.4	69.6	73.2	73.2	74.4	72.4	72.0	69.2	65.6	62.0	60.4
37.5°	54.8	57.6	62.4	65.2	67.2	65.6	62.0	57.6	55.6	54.0	52.4
40°	48.8	51.2	54.4	57.6	61.6	59.6	54.0	52.0	49.6	49.6	48.0
42.5°	44.0	45.2	47.2	52.0	56.4	52.4	48.4	46.8	45.6	45.2	44.8
45°	39.6	40.0	42.0	46.0	51.2	47.2	43.2	41.2	41.6	42.0	41.6
47.5°	35.6	36.4	37.6	42.4	45.6	43.6	39.2	38.0	38.0	38.0	38.4
50°	30.8	32.8	35.2	39.2	41.6	40.4	36.8	35.2	34.4	34.4	34.8
52.5°	27.6	29.2	32.4	37.2	40.4	38.4	34.8	32.4	30.8	30.4	31.2
55°	24.0	26.8	32.0	35.6	40.0	38.0	34.0	31.2	28.4	28.0	28.0
57.5°	21.6	26.0	30.8	35.2	38.8	37.2	34.0	30.4	26.8	26.4	26.4
60°	20.4	25.2	30.0	34.0	38.8	36.4	33.6	29.6	25.6	25.6	25.2
62.5°	19.2	23.6	28.4	32.4	37.2	35.2	32.4	28.4	24.4	24.4	23.6
65°	16.0	20.4	23.6	27.2	32.4	30.4	27.6	24.8	21.6	20.8	21.2
67.5°	11.2	14.0	17.2	20.8	24.0	23.2	22.0	20.0	17.2	16.8	16.4
70°	5.6	7.6	10.4	14.0	16.8	16.0	15.2	13.6	12.0	11.6	11.6
72.5°	0.8	2.4	4.4	6.4	8.8	9.2	8.8	8.4	8.0	7.6	8.0
75°	0.0	0.0	0.0	1.6	3.6	4.4	5.2	6.0	6.0	5.2	6.4
77.5°	0.0	0.0	0.0	0.0	0.4	2.0	4.0	5.2	6.4	5.6	7.6
80°	0.0	0.0	0.0	0.0	0.4	2.4	4.0	5.6	6.4	5.6	8.0
82.5°	0.0	0.0	0.0	0.0	0.4	2.8	4.0	5.2	6.0	5.6	7.2
85°	0.0	0.0	0.0	0.0	1.2	2.4	1.6	0.8	0.4	0.4	1.2
87.5°	0.0	0.0	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	0.0

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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8	1030.8
2.5°	892.9	921.3	951.7	963.3	999.2	1026.4	1044.8	1084.4	1090.4	1090.8
5°	717.3	731.7	783.7	808.1	861.7	903.3	947.7	1011.6	1054.4	1057.6
7.5°	509.8	549.8	571.8	635.4	701.3	766.5	832.5	906.9	956.5	957.7
10°	410.3	436.2	475.4	523.0	578.6	645.0	732.9	819.3	869.7	882.1
12.5°	330.3	375.9	420.6	469.8	512.2	562.2	657.0	772.1	813.7	838.5
15°	254.3	295.9	348.7	406.3	454.2	521.0	629.0	760.5	830.5	838.9
17.5°	187.5	224.7	273.5	327.9	399.9	494.6	633.8	819.3	885.3	899.3
20°	134.8	156.3	194.7	257.9	349.5	463.8	638.6	878.9	979.2	1003.2
22.5°	106.8	115.6	140.7	196.7	293.1	431.4	672.6	992.8	1108.4	1143.2
25°	92.8	97.6	109.6	155.1	257.5	428.2	726.9	1129.6	1280.3	1305.5
27.5°	89.6	90.4	100.8	142.3	238.3	407.1	747.7	1226.8	1387.5	1413.1
30°	94.4	107.2	108.0	120.4	202.7	365.1	758.5	1320.7	1478.3	1497.1
32.5°	81.6	77.6	80.4	93.2	178.3	340.7	778.9	1402.7	1581.8	1595.0
35°	56.8	59.6	66.0	80.8	155.9	315.1	784.1	1493.1	1680.2	1693.8
37.5°	52.4	54.0	59.2	68.8	137.2	300.7	776.9	1559.0	1782.2	1800.9
40°	48.8	50.8	53.6	62.4	123.2	284.7	766.9	1618.6	1844.5	1890.9
42.5°	46.0	47.6	50.0	59.6	111.2	268.7	752.9	1702.6	1900.5	1940.9
45°	42.8	45.2	48.0	58.0	104.4	257.9	742.5	1697.4	1932.9	1954.5
47.5°	39.6	43.6	46.8	54.0	102.4	252.7	746.9	1677.8	1906.5	1891.7
50°	36.4	41.6	47.2	44.8	97.6	242.3	752.1	1704.6	1843.7	1840.9
52.5°	33.6	39.6	44.0	36.8	86.8	232.3	802.5	1739.8	1888.1	1850.9
55°	29.6	35.6	35.2	29.6	70.4	224.7	842.1	1740.6	1858.1	1872.1
57.5°	26.8	31.6	27.6	24.8	52.0	187.9	777.7	1459.5	1590.6	1615.4
60°	24.8	30.8	20.8	19.6	34.0	135.6	679.0	1130.4	1264.3	1311.1
62.5°	22.8	29.2	16.4	16.0	23.6	96.4	558.2	946.1	1089.6	1153.2
65°	20.0	20.8	13.2	12.4	16.8	52.0	339.9	651.4	814.5	838.1
67.5°	16.4	16.0	10.8	10.0	11.2	25.2	149.9	326.3	472.2	511.8
70°	13.2	13.2	9.2	8.0	8.0	11.6	39.2	130.0	213.5	236.3
72.5°	9.6	10.0	7.2	6.4	6.0	5.6	6.4	26.0	56.0	71.6
75°	8.4	8.8	7.2	5.6	4.4	3.6	2.8	2.4	3.2	5.2
77.5°	9.2	9.2	7.6	5.2	4.0	2.8	1.6	0.8	0.8	0.4
80°	11.6	12.0	10.0	6.8	4.8	3.2	2.0	0.8	0.4	0.4
82.5°	12.4	13.6	11.2	8.4	6.0	3.6	2.0	0.4	0.0	0.0
85°	3.2	5.2	8.8	7.6	6.0	3.6	2.0	0.4	0.0	0.0
87.5°	0.0	0.4	1.2	1.2	1.6	1.6	1.2	0.4	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

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