

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: P526079

Luminaire Tested: **GALN-SA1A-730-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-730-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2330 lumens
Efficiency: N/A
Efficacy: 70.6 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

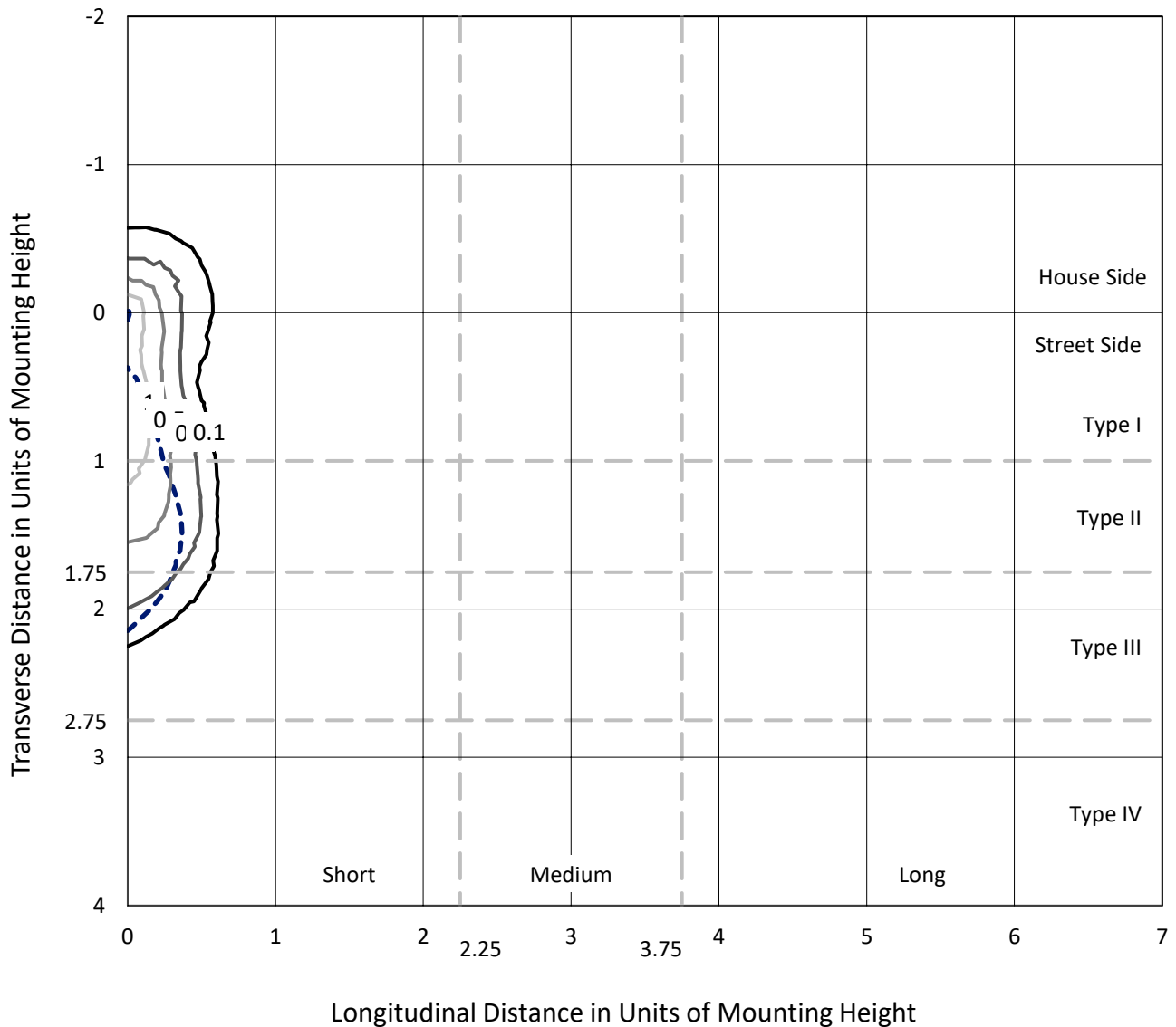
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

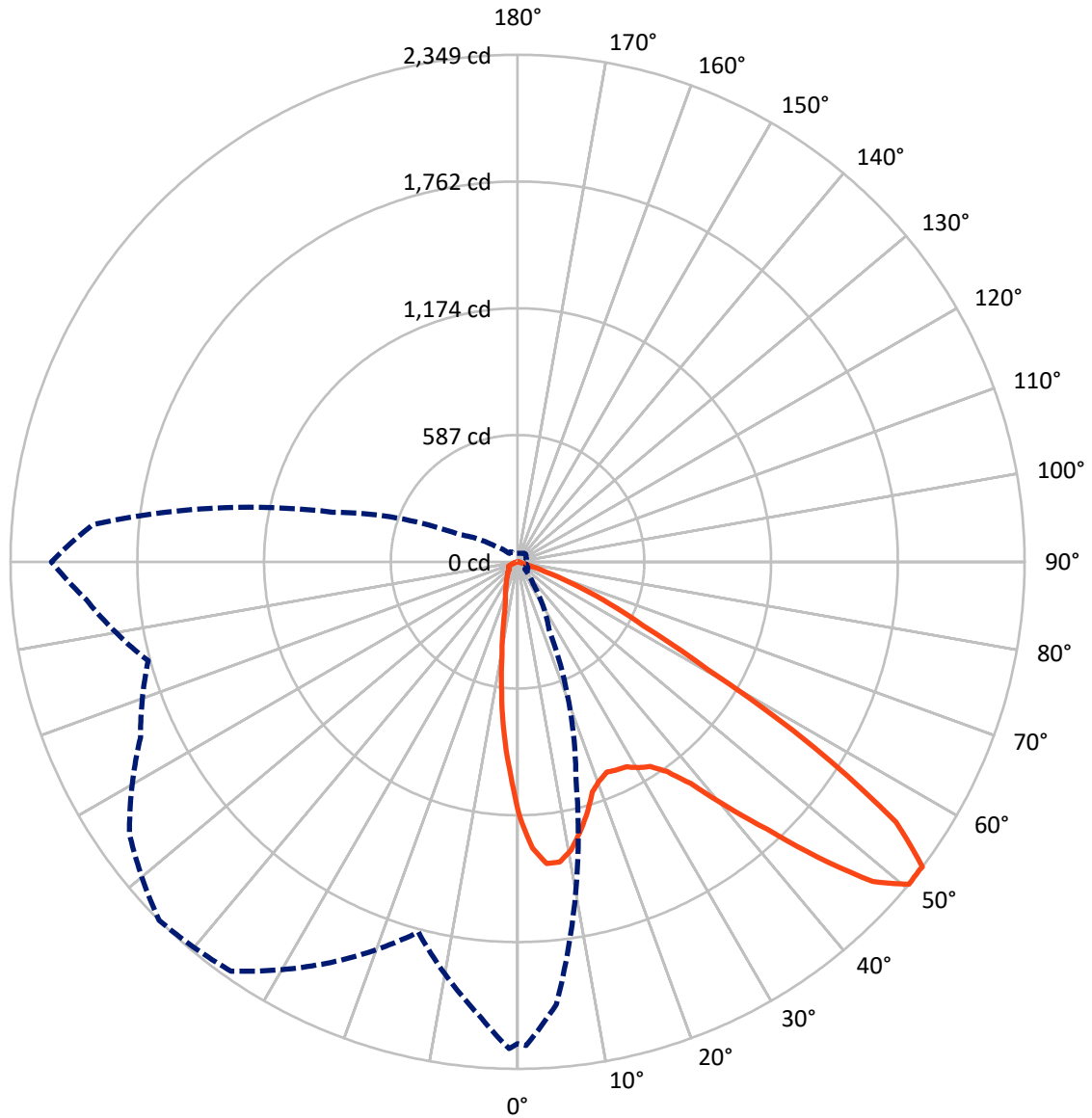
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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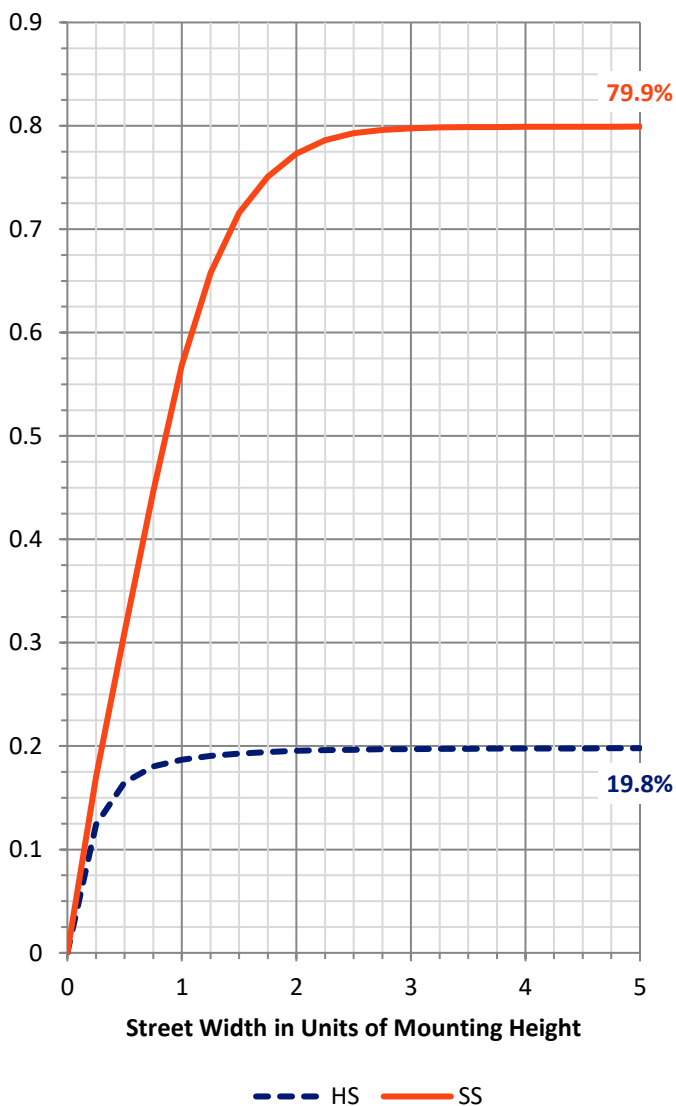
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	466.7	0.0	466.7
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	1863.3	0.0	1863.3
	% Fixture	80.0	0.0	80.0
Total	Lumens	2330.0	0.0	2330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.1	3.7
10°-20°	171.2	7.3
20°-30°	257.2	11.0
30°-40°	386.0	16.6
40°-50°	542.5	23.3
50°-60°	585.1	25.1
60°-70°	271.7	11.7
70°-80°	25.6	1.1
80°-90°	4.7	0.2
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°	2330.0	100.0
0°-180°	2330.0	100.0

Coefficient of Utilization

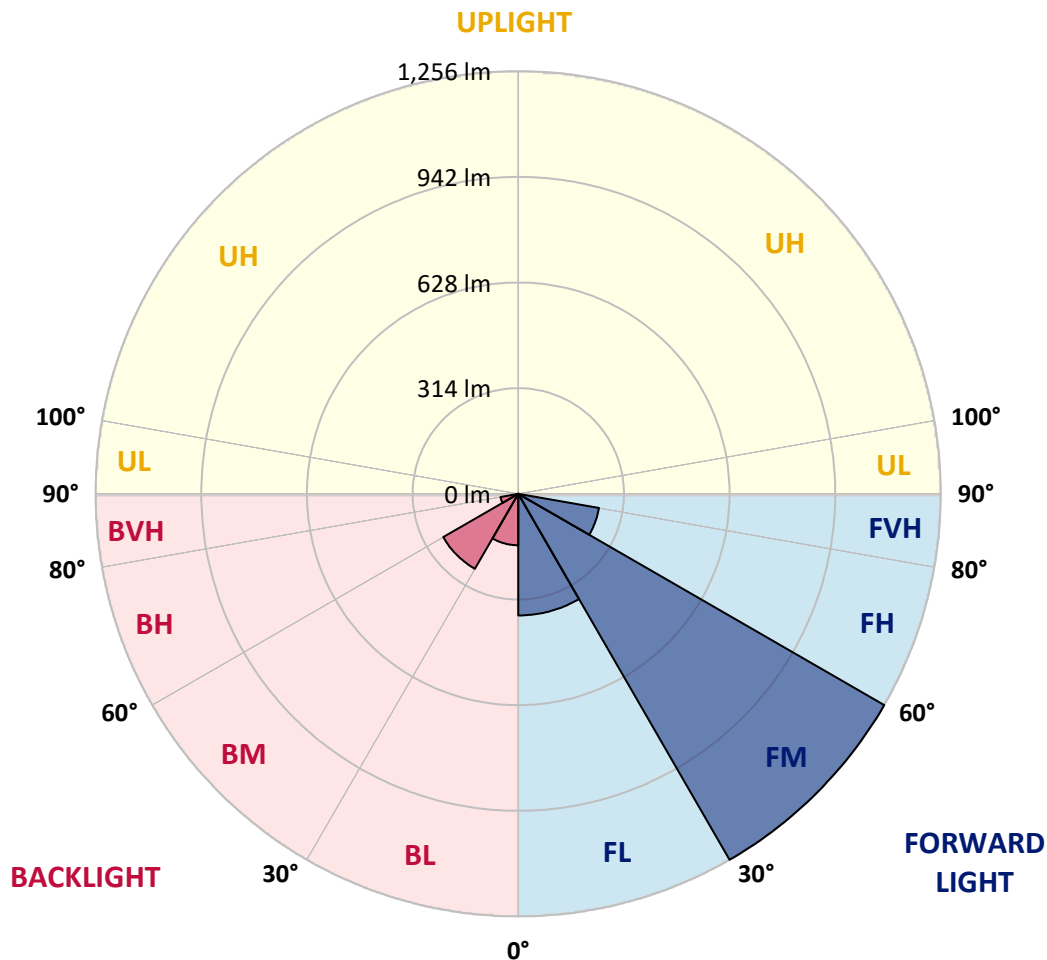


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.5	15.5			
FM (30°-60°)	1256.0	53.9			
FH (60°-80°)	243.7	10.5			G0/660
FVH (80°-90°)	2.1	0.1			G0/10
BL (0°-30°)	153.0	6.6	B1/500		
BM (30°-60°)	257.5	11.1	B1/1000		
BH (60°-80°)	53.6	2.3	B0/110		G0/110
BVH (80°-90°)	2.6	0.1			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°	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6
2.5°	1228.3	1209.3	1185.3	1165.4	1135.8	1076.2	1060.0	1040.6	1024.4	1002.7	972.2
5°	1116.9	1110.9	1099.8	1024.9	970.8	898.7	839.5	814.5	781.7	754.9	735.5
7.5°	1031.8	1007.8	972.7	897.3	810.9	733.6	668.0	629.6	586.2	571.4	545.0
10°	940.8	946.3	894.5	788.7	684.2	621.8	581.1	544.1	504.8	478.9	441.5
12.5°	911.6	893.6	853.8	723.0	633.8	575.5	526.1	480.3	438.7	397.1	361.0
15°	930.6	902.8	847.4	709.1	595.0	522.4	460.4	398.5	360.1	307.0	269.5
17.5°	998.5	976.3	901.9	723.9	575.1	471.5	379.5	315.7	257.0	209.0	190.0
20°	1111.8	1080.4	987.0	742.9	545.5	410.0	307.9	229.3	173.8	153.5	142.8
22.5°	1222.7	1205.6	1087.8	779.4	519.1	355.5	231.1	154.4	129.9	126.2	119.3
25°	1434.0	1382.7	1241.7	845.5	498.8	304.2	174.3	124.4	110.0	107.3	108.2
27.5°	1559.8	1516.8	1384.1	889.4	476.2	264.9	147.5	114.2	104.5	98.5	96.2
30°	1680.4	1630.5	1454.8	915.3	427.6	223.3	130.8	109.6	107.3	98.5	95.7
32.5°	1773.3	1724.3	1557.0	954.2	407.7	196.5	107.7	85.5	79.5	78.6	86.9
35°	1915.7	1863.5	1644.4	975.4	392.5	182.6	93.4	76.3	69.3	66.6	67.0
37.5°	2048.4	2012.8	1725.3	983.7	376.3	178.4	83.7	68.4	62.4	60.6	60.1
40°	2159.3	2079.8	1802.0	992.5	369.4	170.6	77.7	62.4	58.2	55.5	55.5
42.5°	2210.2	2129.3	1888.0	987.4	367.5	158.1	77.7	57.3	54.1	51.3	50.9
45°	2199.1	2166.3	1926.3	985.1	367.5	145.6	70.7	55.9	51.3	47.6	46.7
47.5°	2227.8	2184.8	1974.4	994.8	360.1	136.8	59.6	58.7	48.5	43.9	43.0
50°	2232.8	2241.2	2058.1	1045.2	343.9	125.7	46.7	57.8	46.7	39.8	38.8
52°	2266.1	2214.4	2083.5	1072.0	326.8	117.4	39.3	49.5	44.8	37.0	36.1
52.5°	2220.4	2254.1	2089.5	1081.7	328.7	111.9	37.9	48.5	43.9	37.0	34.7
55°	2169.0	2201.4	2065.0	1102.6	301.4	87.8	29.6	35.1	39.8	32.4	31.0
57.5°	1885.2	1918.0	1794.6	1009.6	245.5	61.9	24.5	26.4	35.1	30.0	28.7
60°	1675.8	1652.2	1506.1	842.3	174.3	34.7	19.4	20.3	38.4	27.7	27.3
62.5°	1531.6	1481.2	1258.8	650.4	106.3	23.1	15.3	15.7	29.6	25.9	25.9
65°	1133.1	1076.7	836.3	393.4	52.2	16.2	11.6	12.5	18.5	22.2	22.2
67.5°	646.7	625.0	404.0	177.5	21.7	10.2	8.8	9.7	14.3	18.0	17.1
70°	297.3	266.7	155.3	37.4	10.2	6.9	6.9	7.9	11.6	13.4	12.5
72.5°	86.9	82.3	37.9	6.0	4.2	4.2	4.6	6.0	8.8	10.2	9.2
75°	6.5	4.2	2.8	1.8	1.8	2.8	3.7	6.0	8.8	9.7	7.9
77.5°	0.5	0.9	0.5	0.5	1.4	2.8	4.2	7.4	11.6	12.0	8.8
80°	0.5	0.5	0.0	0.5	1.4	2.8	4.6	8.3	12.9	13.9	7.4
82.5°	0.0	0.0	0.0	0.5	1.8	3.7	5.5	8.8	12.0	14.8	7.9
85°	0.0	0.0	0.0	0.5	2.8	5.1	6.5	2.3	1.4	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°	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6
2.5°	993.9	981.9	977.3	981.4	980.0	978.7	1004.1	998.5	997.6	1005.9	1004.1
5°	746.1	724.9	783.1	759.5	784.0	798.8	801.6	803.0	820.1	802.1	825.6
7.5°	531.6	537.2	536.7	552.4	580.6	605.6	620.4	608.8	607.9	605.6	595.4
10°	424.8	415.1	413.3	409.6	418.4	439.6	457.7	443.3	433.2	447.0	442.9
12.5°	347.2	333.8	326.4	311.6	312.0	326.4	326.4	326.4	336.5	344.4	350.4
15°	266.3	255.2	255.2	240.4	237.2	237.6	245.0	245.9	262.1	266.7	269.1
17.5°	186.3	180.3	187.2	193.2	189.5	190.5	193.2	194.2	196.5	194.6	199.2
20°	143.3	142.4	144.2	154.9	162.7	167.3	164.1	159.5	156.7	150.2	150.2
22.5°	121.6	123.4	126.7	135.4	145.6	148.4	144.7	134.1	125.7	124.8	125.3
25°	108.2	110.0	115.1	120.7	126.2	130.8	127.1	119.3	114.6	110.5	110.5
27.5°	99.9	100.8	103.6	107.7	112.3	116.0	114.6	110.5	105.4	103.6	99.4
30°	93.4	94.8	98.0	98.9	103.1	104.9	102.6	101.7	98.5	96.2	94.8
32.5°	90.1	89.7	92.0	92.9	93.4	94.8	92.0	93.4	92.9	89.2	87.8
35°	68.0	71.7	77.7	82.7	84.1	86.0	85.5	83.7	78.6	74.4	69.3
37.5°	61.0	63.3	66.6	70.7	76.3	78.6	77.7	73.0	67.0	64.3	63.3
40°	56.4	57.8	60.6	63.3	68.9	73.0	69.8	65.6	61.0	58.7	57.3
42.5°	52.2	52.7	54.1	56.9	61.0	67.5	61.9	56.4	54.5	53.2	52.2
45°	47.6	47.6	49.5	50.9	55.5	61.5	55.9	50.9	49.9	49.0	48.5
47.5°	43.9	44.4	45.3	47.2	50.9	55.0	51.3	47.2	44.8	44.4	43.5
50°	39.3	39.8	41.6	43.5	48.1	50.4	48.1	43.5	41.1	39.8	39.8
52°	35.6	37.0	38.8	42.5	45.8	49.5	46.7	41.6	38.8	37.4	36.5
52.5°	35.1	36.1	37.9	42.1	45.8	49.0	46.2	41.1	37.9	37.0	36.1
55°	31.4	32.8	36.1	41.1	45.3	49.0	45.3	40.7	36.1	33.7	32.8
57.5°	30.0	31.0	35.1	41.6	44.8	49.0	45.3	40.7	36.1	31.9	31.0
60°	28.7	30.5	35.1	40.2	44.4	49.5	45.8	40.2	35.1	30.0	30.0
62.5°	27.3	28.7	34.7	39.3	42.5	47.6	43.9	39.3	33.7	28.7	28.2
65°	23.6	25.9	30.5	32.8	36.5	41.1	37.4	34.2	29.6	25.4	25.0
67.5°	18.0	19.0	22.7	25.4	27.7	31.9	30.0	25.9	22.7	19.4	19.4
70°	12.5	13.4	16.2	17.6	19.9	22.2	20.8	17.6	15.3	13.4	12.9
72.5°	8.8	9.2	10.2	11.1	12.0	12.9	12.5	10.2	8.8	8.3	7.9
75°	6.9	7.9	8.3	7.9	7.4	6.9	6.9	6.0	5.1	4.6	4.6
77.5°	6.9	7.4	6.9	6.0	5.1	4.6	4.2	3.7	2.8	2.3	2.8
80°	6.0	6.0	6.0	5.1	4.6	4.2	3.7	3.2	2.8	2.3	2.3
82.5°	6.5	6.5	6.0	5.1	5.1	4.2	4.2	3.7	3.2	2.3	2.3
85°	0.0	0.0	0.0	0.9	2.3	4.2	4.2	3.7	3.2	2.8	2.8
87.5°	0.0	0.0	0.0	0.0	0.5	0.9	1.8	2.3	2.8	2.8	2.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6
2.5°	1020.7	1038.3	1071.6	1104.9	1125.2	1149.2	1192.7	1215.8	1245.9	1260.7	1289.8
5°	822.4	864.0	878.8	916.7	957.4	998.1	1062.8	1134.0	1193.2	1233.8	1286.5
7.5°	600.0	609.8	667.1	692.5	759.1	833.0	921.3	1011.0	1085.9	1152.5	1192.7
10°	449.8	485.4	521.5	570.0	623.6	699.9	784.5	883.4	980.5	1047.1	1097.9
12.5°	361.5	389.7	437.8	490.0	556.1	606.5	691.6	789.6	915.3	980.5	1047.5
15°	273.7	309.7	364.3	418.4	488.2	541.3	627.3	750.8	912.6	1002.2	1060.0
17.5°	202.9	227.4	276.4	337.0	408.2	483.1	599.1	746.6	943.5	1050.3	1109.9
20°	155.3	163.6	194.6	248.7	325.9	423.9	553.4	764.6	1035.1	1167.3	1227.8
22.5°	125.7	129.4	141.5	178.9	253.8	372.1	531.6	777.1	1138.1	1307.3	1388.2
25°	109.6	108.6	116.5	132.7	198.3	323.6	503.9	824.3	1264.4	1471.9	1544.5
27.5°	99.9	99.9	103.6	115.1	164.6	292.2	486.3	858.0	1391.5	1616.6	1655.9
30°	94.8	95.7	106.3	110.0	136.8	254.7	457.2	892.2	1513.1	1709.1	1763.2
32.5°	87.8	84.1	81.8	91.1	115.1	221.0	428.1	906.5	1611.5	1822.3	1868.6
35°	67.5	65.6	68.4	75.4	98.9	192.3	395.7	922.7	1724.8	1953.6	1962.9
37.5°	61.0	60.6	62.4	68.4	83.2	167.3	372.6	918.6	1811.2	2062.3	2037.3
40°	56.4	56.4	57.8	62.9	74.4	149.8	348.6	914.9	1894.9	2184.3	2111.3
42.5°	52.7	52.7	55.0	58.2	70.7	138.2	330.5	909.8	1965.2	2259.2	2154.7
45°	47.6	49.0	52.7	55.9	71.7	130.4	317.1	890.4	1989.2	2258.3	2133.9
47.5°	43.9	45.8	49.5	54.1	64.7	128.1	307.9	873.3	1980.9	2202.8	2068.7
50°	39.8	42.1	47.2	55.0	55.0	123.4	298.2	888.5	1974.9	2159.8	2006.3
52°	37.0	38.8	45.3	53.6	48.1	113.7	292.2	918.1	1999.4	2154.3	1978.6
52.5°	36.5	37.9	43.9	52.7	45.8	111.9	288.0	925.0	2007.2	2140.4	1997.5
55°	32.4	34.2	40.2	41.1	37.4	92.0	274.6	940.8	1968.4	2113.1	1979.5
57.5°	30.5	31.4	35.6	33.7	32.4	69.3	236.2	916.3	1748.4	1876.9	1841.7
60°	28.2	29.1	33.3	26.4	27.3	48.5	177.5	795.6	1404.0	1563.9	1627.2
62.5°	27.3	26.8	31.4	21.3	23.1	35.1	125.3	646.7	1081.7	1287.5	1397.0
65°	24.0	23.6	22.7	18.0	19.9	27.3	74.9	422.1	762.3	974.0	1034.1
67.5°	18.5	19.4	16.6	14.3	16.6	21.3	41.6	189.1	399.9	584.3	632.9
70°	12.9	13.9	13.4	12.5	14.8	17.6	24.0	64.7	165.5	307.0	338.4
72.5°	7.9	9.7	10.2	10.6	12.9	15.3	17.1	20.8	43.9	108.6	135.0
75°	4.6	6.5	7.9	9.2	10.6	12.9	14.3	14.8	15.3	20.3	32.8
77.5°	3.2	4.6	6.9	8.8	10.6	12.9	15.3	16.2	15.3	14.3	15.3
80°	2.8	4.6	6.5	8.3	11.1	13.4	15.3	15.3	14.8	12.9	13.9
82.5°	2.8	4.6	6.9	8.8	10.6	12.9	14.8	15.3	13.9	12.9	13.4
85°	3.2	5.1	7.4	9.2	11.6	10.6	9.7	7.9	7.4	6.0	6.5
87.5°	3.2	4.6	4.6	5.1	5.5	5.5	5.5	5.1	4.2	3.7	3.7
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°	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6	1181.6
2.5°	1291.2	1328.1	1326.8	1327.7	1322.1	1284.7	1266.7	1220.9	1233.8	1228.3
5°	1340.6	1377.2	1408.6	1404.9	1362.4	1311.5	1236.2	1165.0	1145.5	1116.9
7.5°	1291.2	1379.0	1408.1	1404.0	1341.1	1275.9	1155.7	1084.5	1050.8	1031.8
10°	1212.6	1314.3	1350.3	1357.7	1315.2	1216.3	1105.8	991.6	973.6	940.8
12.5°	1167.7	1241.7	1263.9	1283.8	1269.0	1195.0	1067.9	958.3	933.4	911.6
15°	1131.2	1175.1	1184.4	1207.0	1215.8	1176.1	1087.8	994.4	932.9	930.6
17.5°	1165.0	1146.9	1113.2	1120.1	1147.9	1176.5	1139.1	1065.6	1005.9	998.5
20°	1220.9	1141.4	1065.1	1082.2	1105.3	1193.2	1216.7	1165.0	1130.8	1111.8
22.5°	1285.2	1151.1	1049.9	1058.2	1102.1	1230.6	1342.5	1313.8	1250.0	1222.7
25°	1404.0	1177.9	1061.9	1067.4	1127.5	1282.8	1456.2	1477.5	1439.6	1434.0
27.5°	1520.0	1247.2	1088.2	1075.7	1140.5	1333.7	1525.1	1639.3	1572.7	1559.8
30°	1579.2	1303.6	1127.5	1106.3	1194.1	1364.7	1566.7	1744.7	1686.4	1680.4
32.5°	1669.8	1355.0	1158.0	1130.8	1224.1	1403.0	1644.4	1859.8	1803.4	1773.3
35°	1707.7	1410.9	1225.1	1193.2	1310.1	1456.7	1684.1	1962.4	1944.8	1915.7
37.5°	1780.7	1471.0	1304.1	1302.3	1414.1	1526.5	1755.8	2102.0	2098.8	2048.4
40°	1786.7	1536.6	1428.9	1487.2	1575.0	1648.1	1818.6	2140.8	2193.5	2159.3
42.5°	1796.0	1651.7	1644.8	1692.9	1768.2	1752.5	1820.9	2150.1	2230.5	2210.2
45°	1800.1	1766.9	1864.4	1953.2	1984.6	1889.4	1799.2	2132.5	2249.9	2199.1
47.5°	1766.9	1865.8	2041.9	2213.4	2222.7	1973.5	1790.0	2114.5	2261.5	2227.8
50°	1771.5	1927.7	2195.4	2348.9	2315.1	2047.9	1775.6	2103.4	2255.5	2232.8
52°	1760.4	1929.1	2217.1	2346.1	2322.5	2006.8	1751.1	2060.9	2249.9	2266.1
52.5°	1772.9	1920.8	2194.5	2348.0	2317.4	2027.1	1747.9	2084.4	2253.2	2220.4
55°	1729.9	1821.9	2061.8	2127.0	2122.4	1839.9	1648.5	2006.3	2168.6	2169.0
57.5°	1563.5	1579.2	1617.1	1615.7	1594.4	1446.5	1410.0	1845.0	1933.3	1885.2
60°	1377.6	1156.2	1054.0	1012.4	988.8	964.8	1247.2	1687.8	1696.1	1675.8
62.5°	1190.4	801.6	665.7	654.1	659.7	747.5	1205.6	1625.4	1575.5	1531.6
65°	960.6	584.3	483.6	468.3	522.4	617.2	975.9	1246.3	1169.6	1133.1
67.5°	603.3	426.2	326.8	298.2	363.4	424.8	641.2	783.1	697.1	646.7
70°	357.8	238.1	147.9	132.7	149.3	226.5	359.2	390.6	323.1	297.3
72.5°	141.0	87.4	41.1	35.1	36.5	79.5	132.2	129.0	97.5	86.9
75°	37.9	26.4	14.3	11.6	9.7	14.8	21.3	13.9	5.1	6.5
77.5°	17.6	15.7	12.5	9.7	7.4	5.5	2.8	0.9	0.9	0.5
80°	15.3	13.4	11.6	9.7	7.4	4.6	2.3	0.5	0.5	0.5
82.5°	14.3	12.5	10.6	8.8	6.9	4.6	2.3	0.5	0.0	0.0
85°	6.0	7.9	8.8	8.3	7.4	4.6	2.3	0.5	0.0	0.0
87.5°	3.2	2.8	2.3	1.8	1.4	0.9	0.9	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

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