

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: P526184

Luminaire Tested: **GALN-SA1A-760-U-SLR-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-760-U-SLR-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 615mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3447 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

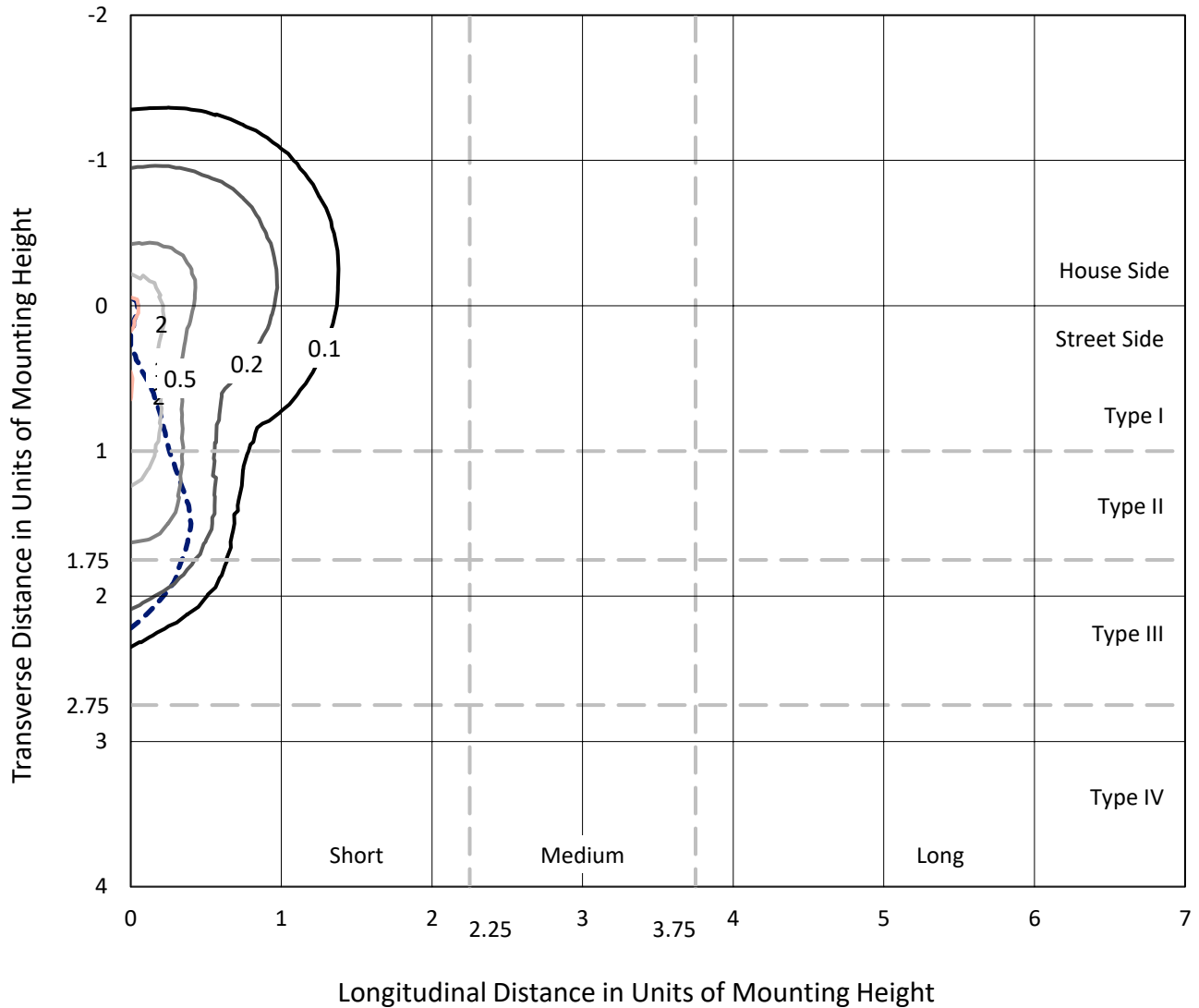
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

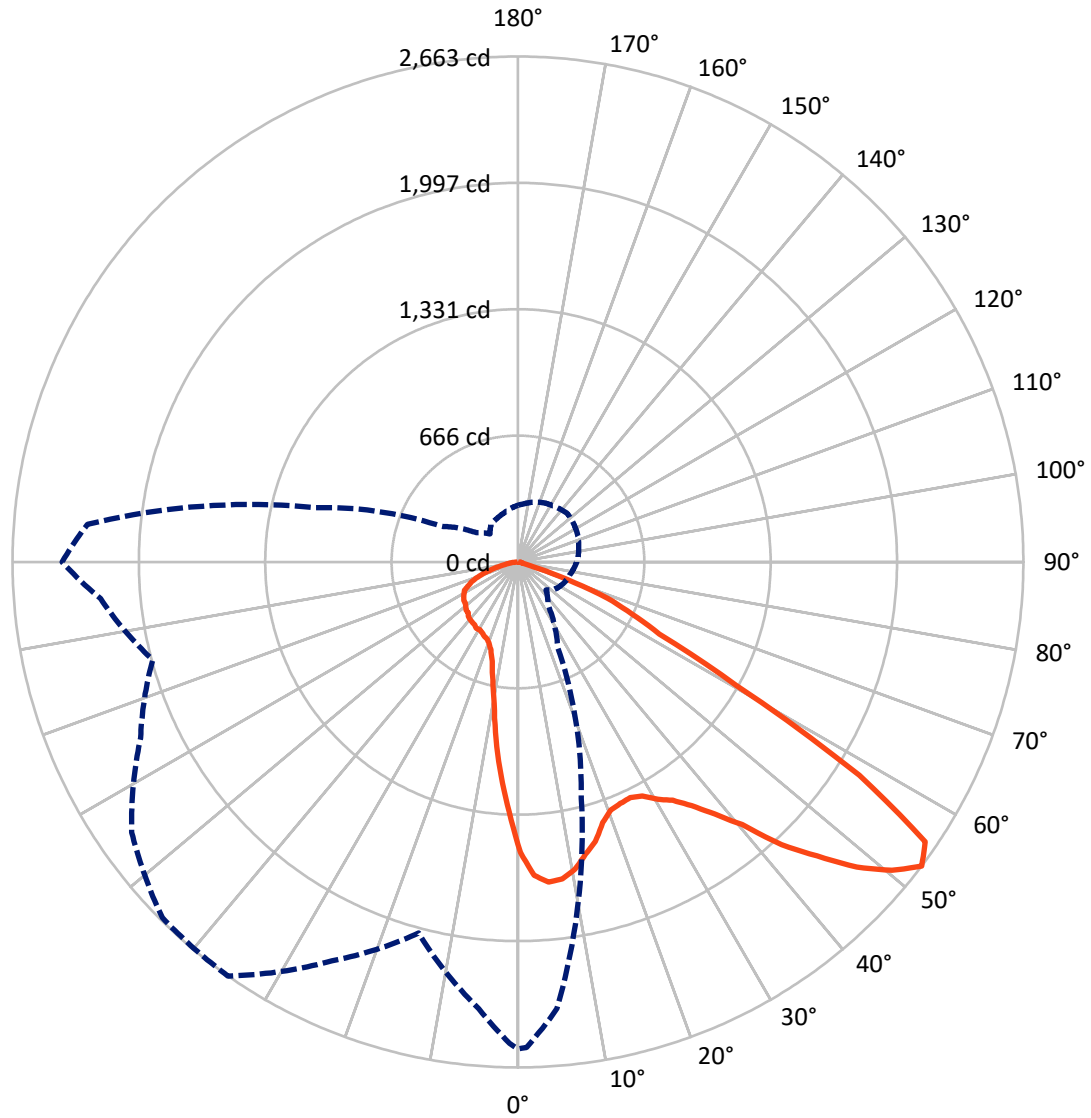
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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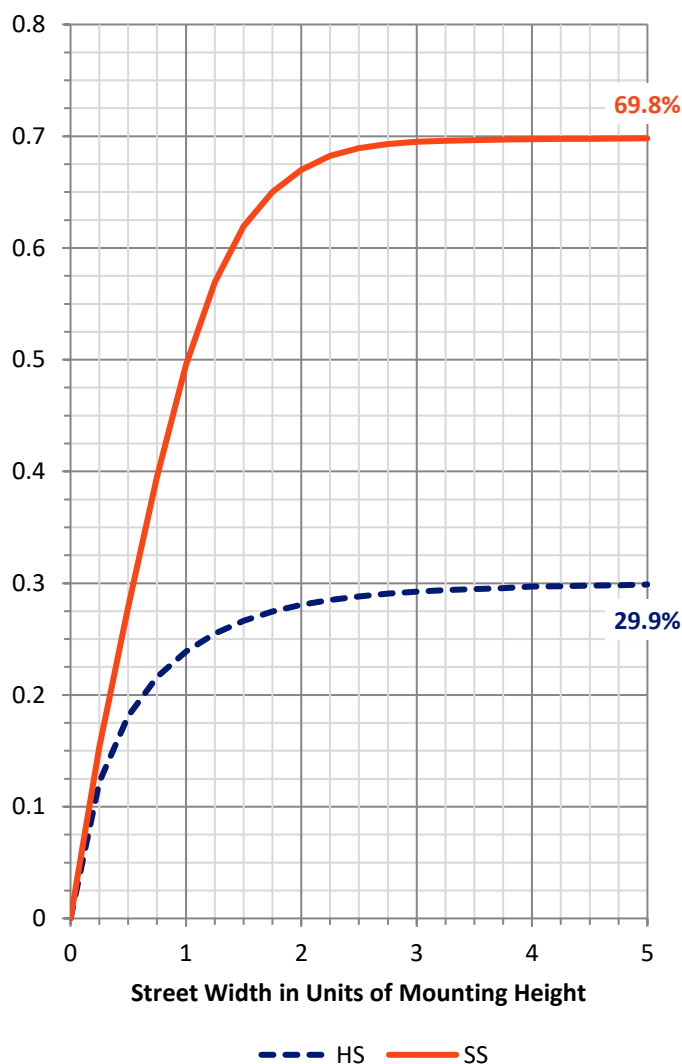
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1039.1	0.0	1039.1
	% Fixture	30.1	0.0	30.1
Street Side	Lumens	2407.9	0.0	2407.9
	% Fixture	69.9	0.0	69.9
Total	Lumens	3447.0	0.0	3447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.7	3.4
10°-20°	253.0	7.3
20°-30°	382.3	11.1
30°-40°	552.4	16.0
40°-50°	735.2	21.3
50°-60°	822.3	23.9
60°-70°	463.4	13.4
70°-80°	103.3	3.0
80°-90°	18.4	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°	3447.0	100.0
0°-180°	3447.0	100.0

Coefficient of Utilization



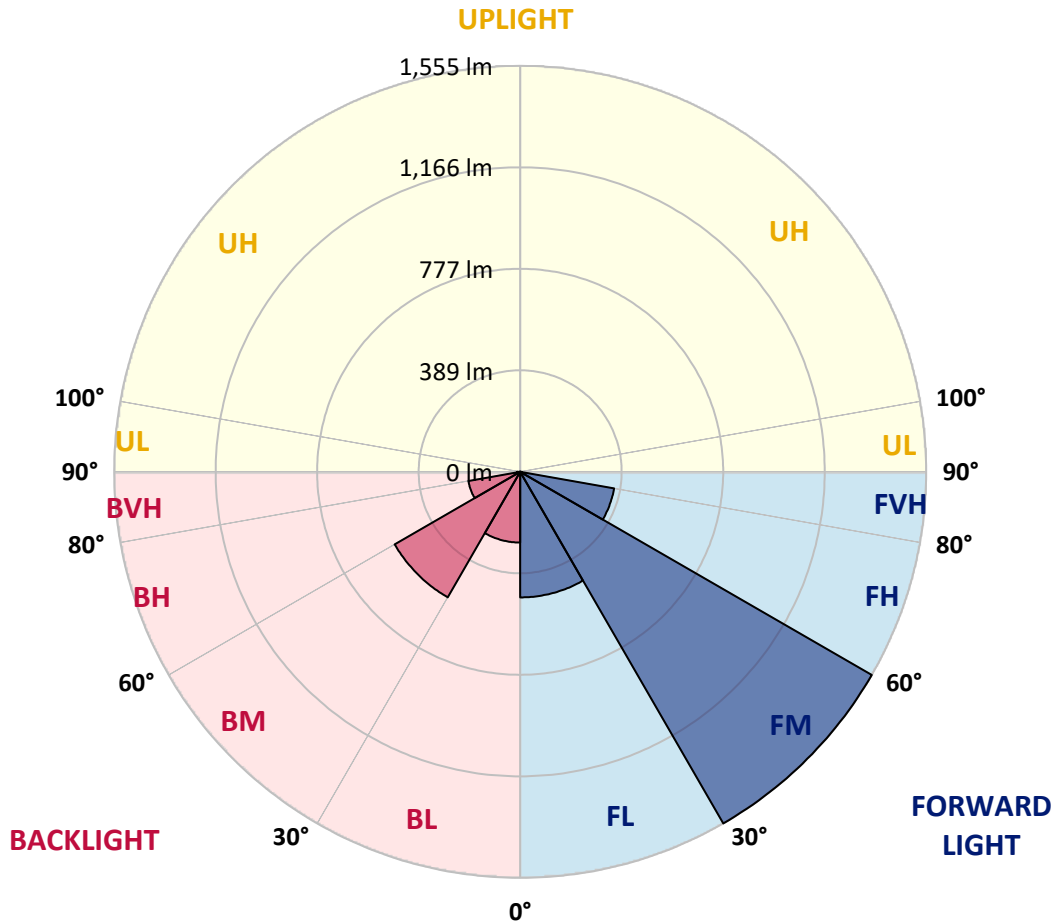
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	481.0	14.0			
FM (30°-60°)	1554.9	45.1			
FH (60°-80°)	365.3	10.6			G0/660
FVH (80°-90°)	6.7	0.2			G0/10
BL (0°-30°)	271.0	7.9	B1/500		
BM (30°-60°)	555.0	16.1	B1/1000		
BH (60°-80°)	201.4	5.8	B1/500		G1/500
BVH (80°-90°)	11.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8
2.5°	1555.3	1580.3	1553.3	1505.3	1471.3	1440.4	1407.9	1401.4	1358.9	1351.4	1320.5
5°	1466.8	1461.4	1428.4	1365.4	1296.0	1233.0	1186.6	1141.6	1111.1	1075.7	1073.2
7.5°	1359.4	1327.5	1308.5	1213.0	1127.1	1028.2	985.7	917.3	895.8	863.8	847.3
10°	1263.5	1240.0	1195.6	1100.1	980.2	914.8	869.3	832.3	807.4	774.4	732.9
12.5°	1216.0	1206.6	1156.6	1008.7	919.8	849.8	817.9	781.9	739.4	686.5	666.0
15°	1224.5	1192.6	1154.6	991.2	868.3	800.9	749.9	704.9	650.5	600.0	570.6
17.5°	1288.0	1263.5	1187.6	1002.2	848.8	751.4	659.0	592.5	543.6	498.1	477.6
20°	1412.9	1377.4	1292.0	1016.2	806.9	682.5	576.5	494.6	442.2	418.2	411.2
22.5°	1551.3	1530.3	1393.9	1047.7	773.4	618.5	489.1	407.2	387.7	381.2	394.2
25°	1719.7	1665.2	1552.3	1099.1	747.4	564.1	415.2	369.7	359.7	366.2	381.2
27.5°	1847.6	1833.1	1663.2	1147.6	711.9	498.6	373.7	343.7	346.7	353.2	367.2
30°	1999.4	1926.0	1770.6	1181.1	680.0	453.6	344.7	336.7	339.7	350.7	357.7
32.5°	2090.9	2063.4	1838.1	1231.5	643.0	414.7	322.2	314.8	319.2	335.7	352.2
35°	2207.3	2152.8	1921.5	1244.5	617.0	399.2	306.3	300.8	311.3	322.7	341.2
37.5°	2343.2	2305.7	2036.9	1235.5	603.0	383.2	292.8	290.3	297.8	313.8	335.2
40°	2423.6	2412.1	2097.4	1241.0	581.0	369.2	277.3	280.3	295.8	308.3	329.2
42.5°	2501.0	2426.1	2186.8	1239.0	567.1	350.2	278.8	275.3	287.3	301.8	321.7
45°	2518.0	2443.6	2207.8	1225.0	550.1	331.7	267.3	268.8	283.3	301.3	314.3
47.5°	2507.0	2452.1	2246.7	1221.0	534.1	318.7	250.3	268.3	276.8	291.3	309.8
50°	2499.5	2496.5	2279.7	1240.0	512.6	298.3	229.8	261.8	270.3	284.8	304.8
52.5°	2565.5	2559.0	2362.1	1290.0	495.6	276.3	208.8	245.3	265.8	279.8	299.3
55°	2605.5	2577.0	2503.5	1351.4	467.1	247.3	194.3	224.8	254.8	267.3	287.3
57.5°	2343.7	2324.2	2264.7	1261.5	419.2	209.3	176.4	203.8	239.8	259.3	279.8
60°	1950.0	1919.5	1767.1	1072.2	309.3	162.9	165.4	187.4	235.8	243.3	267.3
62.5°	1838.6	1763.1	1555.8	862.8	237.3	139.9	148.4	172.4	214.8	227.3	251.3
65°	1458.9	1402.9	1113.1	623.0	158.9	121.4	135.4	155.4	185.4	209.8	231.8
67.5°	913.3	859.8	594.0	294.8	110.9	103.9	120.9	141.9	166.4	188.4	212.8
70°	477.1	418.7	274.3	106.4	76.4	84.9	100.9	120.9	144.9	162.9	181.9
72.5°	177.9	144.4	89.4	46.0	53.0	64.9	81.9	96.4	113.4	135.4	145.9
75°	27.5	23.5	23.0	28.0	36.0	47.0	58.5	72.9	87.9	101.9	108.9
77.5°	13.0	12.5	14.0	18.5	24.0	33.5	42.5	56.5	68.4	77.4	81.4
80°	8.5	8.0	9.0	12.5	18.0	25.0	34.0	43.5	54.5	62.0	61.0
82.5°	5.0	5.5	5.5	8.5	12.5	18.0	24.5	33.0	40.5	47.0	43.0
85°	3.0	2.5	2.5	5.0	8.5	14.5	20.5	14.0	14.5	14.5	16.5
87.5°	1.0	1.0	1.0	0.5	1.0	1.0	1.5	2.5	3.0	3.5	4.5
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°	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8
2.5°	1319.5	1335.0	1329.5	1310.0	1325.0	1327.5	1317.5	1351.9	1358.4	1347.9	1350.9
5°	1069.7	1073.7	1082.7	1101.6	1115.1	1131.1	1131.1	1132.1	1118.6	1152.6	1142.6
7.5°	833.3	835.8	846.3	886.8	898.3	928.8	941.8	932.8	905.8	894.3	903.8
10°	719.4	704.9	701.4	706.4	732.4	745.4	756.4	753.4	748.9	739.9	729.9
12.5°	643.5	633.0	624.5	612.5	614.0	626.5	635.0	628.0	630.0	632.0	635.0
15°	561.1	553.6	549.1	531.1	529.1	537.6	540.6	544.6	552.1	552.6	549.1
17.5°	473.6	467.1	477.1	487.1	480.1	480.6	486.1	489.6	487.6	478.6	474.1
20°	413.7	420.7	430.7	440.2	447.6	452.1	454.1	448.6	442.2	423.7	423.2
22.5°	396.2	405.2	413.7	428.2	435.2	446.6	436.2	423.7	414.7	405.7	395.2
25°	383.2	390.7	407.7	413.2	426.7	436.2	428.7	416.2	400.7	387.7	379.7
27.5°	373.7	382.2	393.2	408.2	418.7	424.2	416.7	411.7	395.7	380.2	368.7
30°	367.7	376.7	396.7	409.2	418.2	422.7	409.7	403.7	392.2	379.2	369.2
32.5°	363.7	371.7	388.7	404.7	410.7	410.7	412.7	405.7	389.7	367.7	359.2
35°	350.7	361.7	375.7	394.2	405.2	411.7	401.7	393.7	383.2	360.7	345.2
37.5°	343.2	350.7	368.7	386.2	395.7	402.7	398.7	384.7	370.7	352.2	339.7
40°	335.2	347.2	363.2	379.7	390.2	397.2	394.2	377.7	360.7	343.2	334.7
42.5°	329.7	337.7	354.2	372.7	385.2	398.7	389.7	369.2	357.2	333.2	323.7
45°	325.2	338.2	355.7	363.2	376.2	390.2	374.2	361.7	347.7	330.2	322.2
47.5°	319.7	331.7	343.2	363.2	369.2	375.7	372.7	352.7	340.7	321.7	316.3
50°	317.8	322.2	343.2	354.2	362.7	369.2	361.2	346.2	334.7	315.3	303.3
52.5°	309.8	318.3	331.7	346.2	356.7	364.7	351.7	342.2	326.7	306.3	298.8
55°	299.8	304.8	328.7	343.7	349.2	354.7	349.7	334.2	318.3	297.3	289.8
57.5°	286.8	298.3	317.8	338.7	345.7	348.7	340.7	328.2	308.3	289.8	277.8
60°	273.3	285.3	306.8	323.7	330.7	341.7	329.7	322.2	299.3	278.8	265.8
62.5°	259.8	273.3	289.3	310.8	316.8	321.2	318.3	307.8	289.3	266.3	250.3
65°	243.8	253.8	273.8	284.8	288.8	299.3	288.8	284.8	268.3	246.3	232.8
67.5°	219.8	228.3	245.8	256.3	259.3	263.8	263.3	258.8	240.3	225.3	213.3
70°	192.3	199.8	210.8	223.3	224.8	230.3	225.3	224.3	212.3	191.8	185.4
72.5°	154.4	161.4	175.9	181.4	181.9	183.9	181.4	177.9	174.9	153.4	146.9
75°	118.4	122.4	129.4	134.4	134.4	136.9	135.4	131.9	123.9	110.4	103.9
77.5°	82.4	86.4	95.4	98.4	97.9	98.9	94.4	90.9	78.9	71.9	66.4
80°	60.0	62.5	66.9	68.9	69.4	70.9	65.4	62.5	55.5	47.5	45.0
82.5°	43.5	45.0	45.5	48.0	48.0	45.5	44.0	41.0	36.0	31.0	29.0
85°	18.0	18.5	19.0	22.0	22.5	27.0	25.0	23.5	20.5	17.5	16.0
87.5°	4.5	5.0	6.5	5.5	6.5	6.5	7.0	8.0	8.0	6.5	6.5
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°	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8
2.5°	1362.4	1366.4	1417.4	1423.9	1448.9	1474.3	1525.8	1562.8	1592.8	1612.2	1617.7
5°	1153.1	1178.6	1202.1	1240.0	1274.5	1323.5	1379.9	1449.9	1537.8	1582.8	1600.7
7.5°	902.8	932.8	966.7	1003.7	1054.2	1142.1	1217.5	1298.5	1410.9	1457.4	1527.8
10°	736.9	770.4	815.4	843.8	904.8	988.7	1076.7	1170.1	1277.5	1344.4	1425.9
12.5°	651.5	679.0	720.4	780.4	825.9	880.3	945.8	1063.7	1217.5	1281.0	1337.0
15°	557.1	587.5	635.5	701.9	756.4	821.4	894.8	1023.2	1187.1	1285.0	1332.5
17.5°	479.1	501.1	551.6	609.0	671.5	742.4	847.8	1021.2	1219.0	1344.4	1421.9
20°	425.2	428.2	455.6	504.6	589.5	682.0	818.9	1011.2	1321.5	1446.9	1544.8
22.5°	391.2	388.2	388.7	430.2	489.6	622.5	773.4	1045.2	1437.9	1609.7	1675.7
25°	374.2	366.2	361.2	370.2	424.2	552.1	738.9	1090.1	1563.3	1744.1	1825.1
27.5°	365.2	351.2	341.2	342.7	382.2	516.6	717.4	1109.6	1687.7	1931.5	1960.0
30°	361.7	344.2	329.7	324.7	350.7	467.1	671.5	1143.1	1799.1	2034.4	2058.9
32.5°	349.2	327.7	313.8	309.3	319.7	423.7	638.5	1167.1	1897.5	2146.3	2137.8
35°	334.7	316.8	299.3	290.8	298.3	395.7	612.0	1155.6	2013.4	2233.2	2228.8
37.5°	333.2	309.8	295.3	281.3	280.8	361.2	576.0	1166.6	2087.4	2389.1	2327.7
40°	320.2	305.3	286.3	274.8	268.3	343.7	541.1	1140.6	2195.8	2452.1	2391.6
42.5°	320.7	298.3	281.8	268.3	261.8	318.3	517.1	1133.6	2233.7	2554.5	2421.6
45°	312.8	290.8	276.8	260.8	257.3	298.8	494.1	1101.1	2300.7	2559.5	2384.1
47.5°	304.8	285.3	270.3	251.3	243.3	291.8	476.1	1074.2	2265.7	2512.5	2332.2
50°	299.3	276.8	262.8	249.3	226.8	279.8	452.6	1067.7	2216.8	2449.1	2235.7
52.5°	289.8	269.8	255.3	244.8	208.8	268.8	443.7	1105.6	2276.7	2401.6	2207.8
55°	280.8	260.3	241.8	221.3	193.8	239.8	418.7	1141.1	2364.1	2511.0	2334.7
57.5°	271.3	251.8	231.8	207.3	179.4	209.8	392.7	1147.6	2200.3	2320.7	2216.3
60°	258.8	233.8	218.8	186.9	163.9	173.9	311.3	1011.7	1706.7	1938.0	1941.5
62.5°	244.8	217.8	204.8	167.4	147.9	149.9	253.8	850.3	1384.4	1604.2	1699.7
65°	226.3	200.3	184.9	154.9	136.4	129.9	185.9	623.0	1051.7	1301.5	1409.9
67.5°	202.3	177.9	158.4	134.9	121.9	111.4	126.9	350.7	621.0	873.8	906.8
70°	176.9	155.9	135.4	115.9	101.4	93.9	92.9	155.4	296.8	470.1	535.1
72.5°	139.4	124.4	107.9	93.4	83.9	72.9	66.4	64.4	100.4	191.3	264.3
75°	99.9	87.4	77.9	68.4	61.5	55.5	50.5	46.0	42.0	48.0	65.9
77.5°	63.0	58.5	51.0	48.5	44.5	43.0	41.0	38.5	35.5	33.5	33.5
80°	42.5	39.5	37.0	36.5	35.0	34.5	35.0	32.5	29.5	27.0	28.0
82.5°	28.5	28.0	27.5	27.0	27.5	28.0	29.0	28.5	26.0	24.5	25.0
85°	17.0	18.0	19.0	20.0	22.0	19.5	16.0	13.5	12.0	11.0	10.5
87.5°	6.5	9.0	8.0	7.5	8.0	7.5	7.0	6.5	5.5	5.0	5.0
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°	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8	1529.8
2.5°	1654.2	1664.2	1672.7	1670.7	1653.2	1629.7	1620.2	1571.8	1561.8	1555.3
5°	1676.7	1734.6	1747.1	1739.6	1694.2	1636.7	1580.8	1509.8	1468.3	1466.8
7.5°	1635.2	1706.7	1729.1	1746.1	1685.7	1585.8	1489.8	1383.4	1357.4	1359.4
10°	1529.8	1643.7	1699.2	1716.7	1647.2	1560.8	1427.9	1320.0	1264.5	1263.5
12.5°	1471.3	1560.8	1576.3	1600.7	1580.3	1492.8	1391.9	1271.0	1217.0	1216.0
15°	1419.4	1478.3	1482.8	1517.3	1528.3	1469.3	1401.4	1272.5	1229.0	1224.5
17.5°	1464.9	1423.9	1406.9	1411.4	1443.9	1465.4	1456.4	1357.4	1313.0	1288.0
20°	1495.3	1403.9	1352.4	1357.4	1395.9	1474.3	1538.3	1480.3	1409.9	1412.9
22.5°	1576.8	1406.9	1326.5	1321.0	1381.9	1521.3	1630.7	1635.7	1567.8	1551.3
25°	1698.7	1441.4	1318.5	1317.0	1375.4	1571.8	1738.6	1819.6	1750.1	1719.7
27.5°	1796.6	1495.3	1343.4	1348.4	1395.9	1612.7	1830.6	1938.0	1885.0	1847.6
30°	1882.5	1551.3	1378.4	1355.4	1450.9	1634.2	1870.0	2072.9	2030.4	1999.4
32.5°	1918.0	1630.7	1433.9	1395.9	1496.3	1660.2	1952.0	2203.8	2167.3	2090.9
35°	1977.9	1675.2	1463.9	1460.9	1575.8	1722.6	1990.4	2290.2	2275.2	2207.3
37.5°	2025.9	1720.2	1570.3	1537.3	1684.7	1827.6	2052.4	2409.6	2375.1	2343.2
40°	2062.9	1800.6	1669.7	1713.2	1818.6	1923.0	2109.3	2417.1	2516.5	2423.6
42.5°	2028.9	1872.5	1833.1	1937.0	2036.9	2031.9	2115.8	2475.1	2549.5	2501.0
45°	2020.4	1994.4	2091.4	2185.8	2208.8	2122.3	2069.4	2411.1	2539.5	2518.0
47.5°	1999.9	2114.3	2283.2	2437.1	2402.1	2182.8	2013.9	2399.6	2545.5	2507.0
50°	1992.9	2140.3	2425.1	2575.0	2554.0	2235.2	1987.9	2325.7	2503.0	2499.5
52.5°	1992.4	2193.8	2484.1	2649.9	2662.9	2318.2	2023.4	2363.1	2536.0	2565.5
55°	2014.9	2176.8	2476.6	2608.5	2603.5	2281.2	2027.4	2388.1	2576.5	2605.5
57.5°	1900.5	1950.0	2043.9	2148.3	2121.3	1889.5	1810.6	2207.8	2364.6	2343.7
60°	1641.2	1486.3	1380.4	1375.4	1323.0	1250.5	1481.8	1970.5	1970.5	1950.0
62.5°	1437.4	975.7	838.3	799.4	836.8	920.3	1429.4	1916.5	1862.0	1838.6
65°	1257.0	744.9	606.0	595.0	660.0	785.9	1292.5	1632.7	1536.8	1458.9
67.5°	808.9	545.6	450.6	431.2	509.6	577.0	860.3	1004.2	943.8	913.3
70°	521.6	355.2	250.8	235.3	265.8	355.7	549.6	585.5	497.6	477.1
72.5°	246.8	153.4	87.9	72.4	81.4	135.9	217.3	233.8	194.3	177.9
75°	78.4	56.5	36.0	31.0	29.5	35.0	50.0	38.5	28.0	27.5
77.5°	35.0	33.5	28.5	24.0	21.0	17.5	14.5	12.0	12.5	13.0
80°	29.0	26.5	23.5	21.0	17.5	13.5	10.5	8.0	8.0	8.5
82.5°	25.5	23.0	20.5	17.5	15.0	11.0	8.0	5.5	5.0	5.0
85°	11.0	13.0	14.0	15.0	12.0	9.0	5.5	3.5	3.0	3.0
87.5°	4.5	4.0	3.5	3.0	2.5	2.5	2.0	1.5	1.0	1.0
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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