

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: P526469

Luminaire Tested: **GALN-SA1B-830-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526469
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-SA1B-830-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 800mA 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: 2529 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

Input Watts (W): 44
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



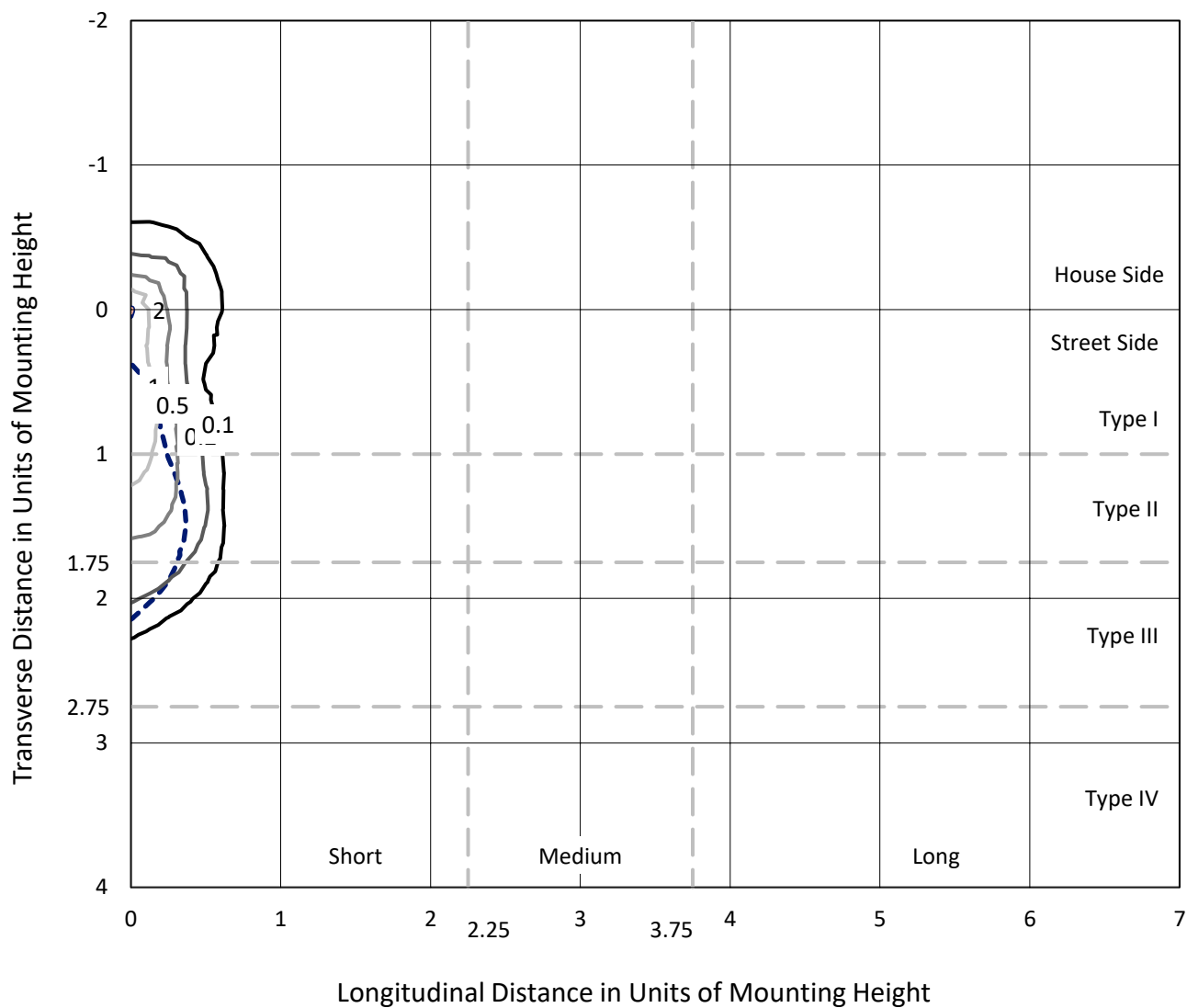
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

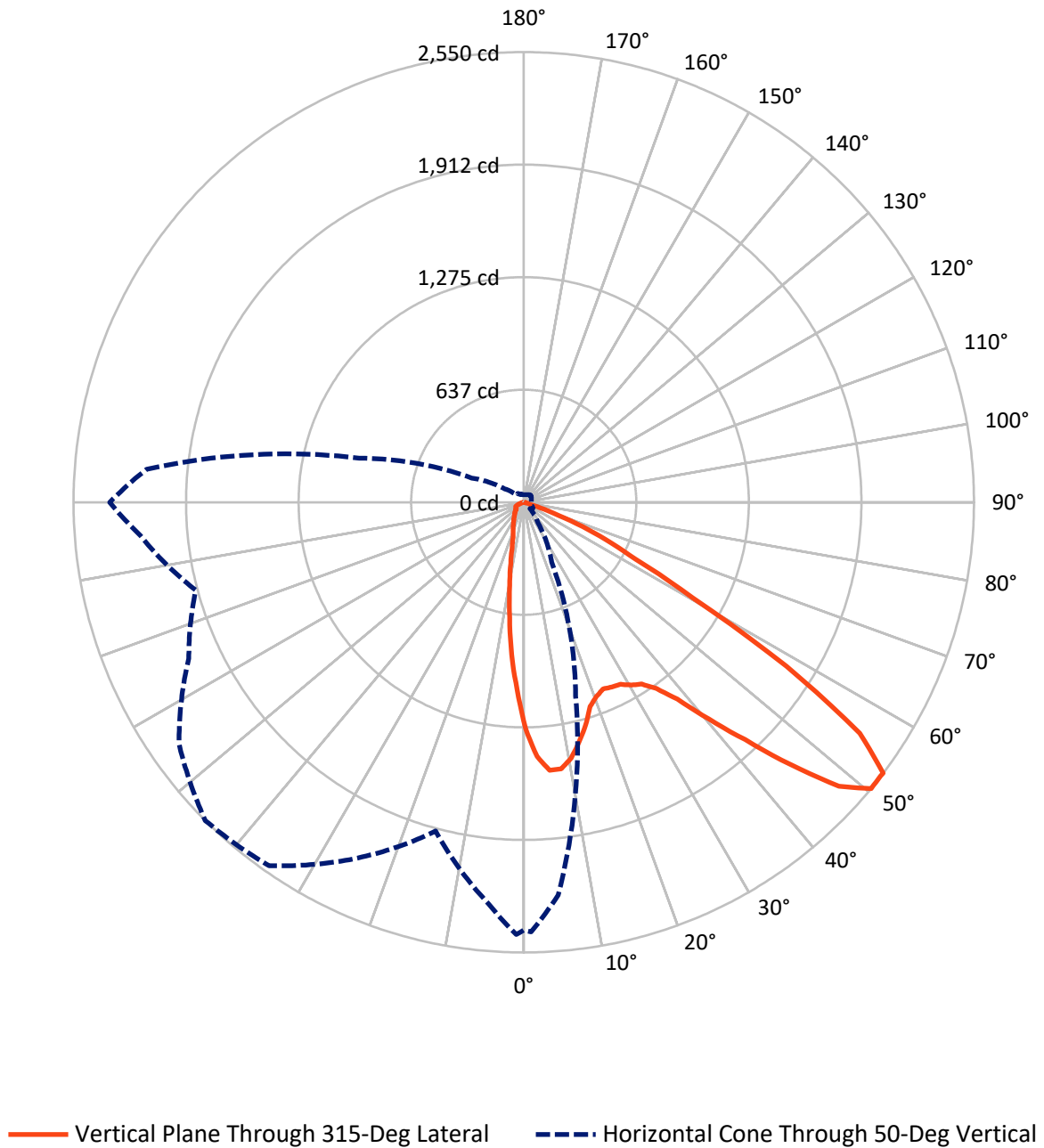


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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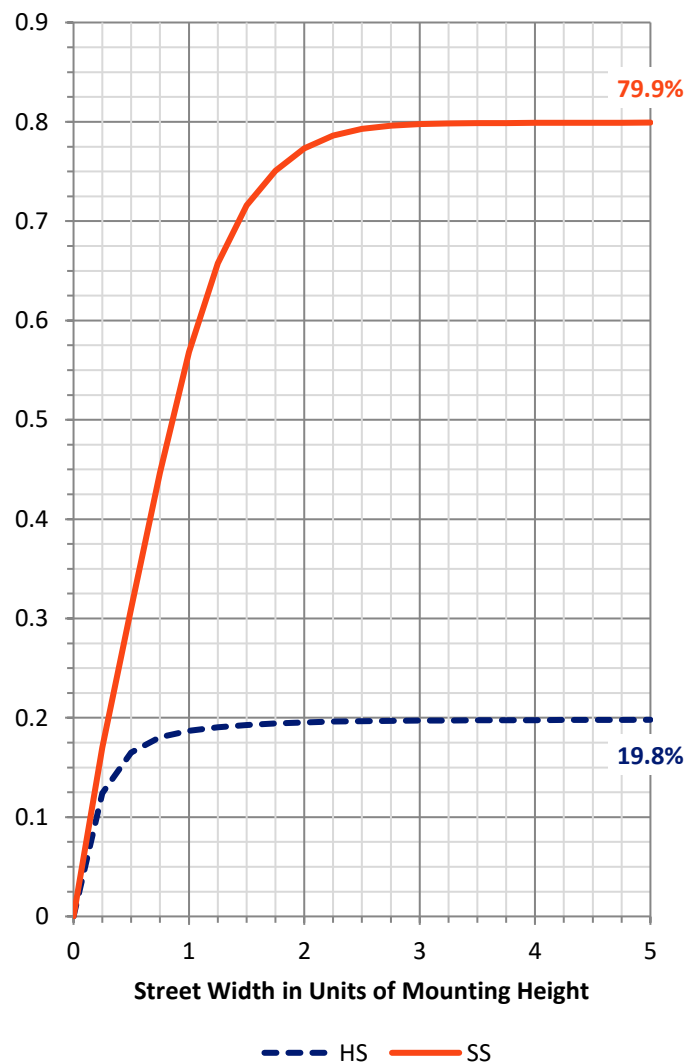
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	506.5	0.0	506.5
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	2022.4	0.0	2022.4
	% Fixture	80.0	0.0	80.0
Total	Lumens	2529.0	0.0	2529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	3.7
10°-20°	185.8	7.3
20°-30°	279.1	11.0
30°-40°	418.9	16.6
40°-50°	588.8	23.3
50°-60°	635.1	25.1
60°-70°	294.9	11.7
70°-80°	27.7	1.1
80°-90°	5.1	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°	2529.0	100.0
0°-180°	2529.0	100.0

Coefficient of Utilization



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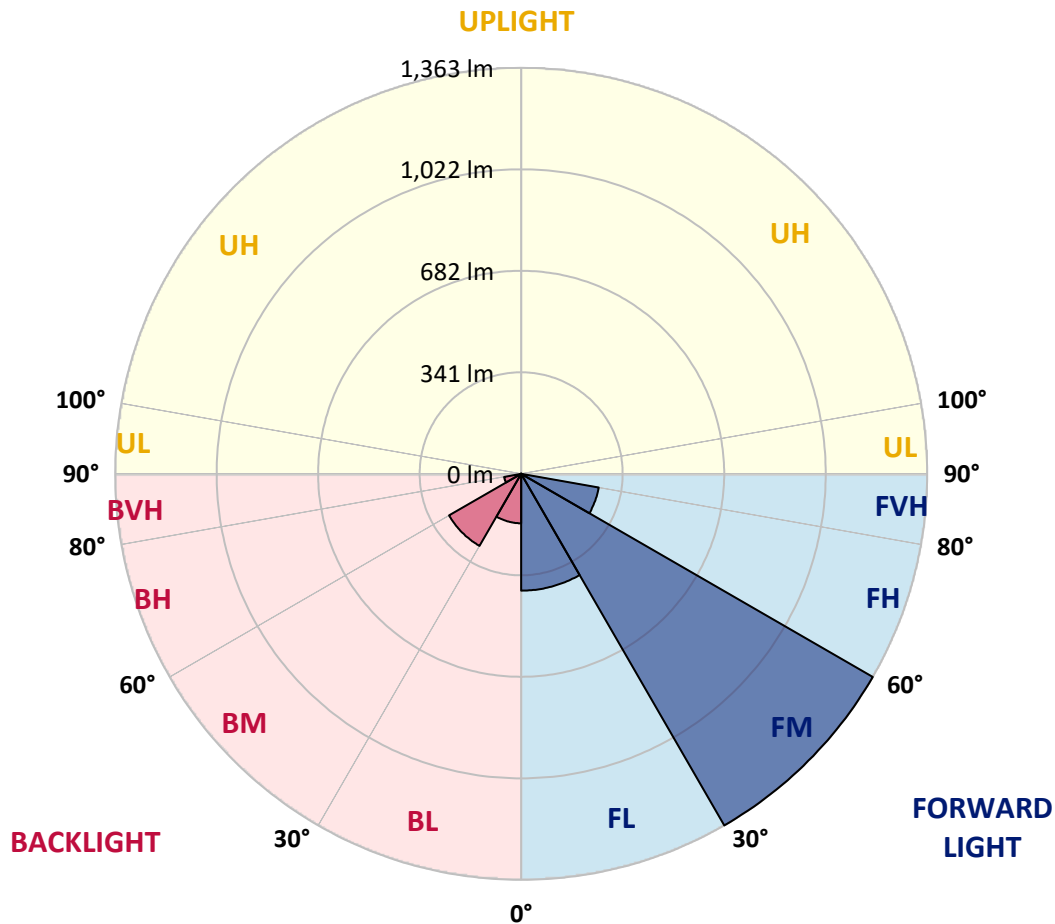
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	392.4	15.5			
FM	(30°-60°)	1363.3	53.9			
FH	(60°-80°)	264.5	10.5			G0/660
FVH	(80°-90°)	2.3	0.1			G0/10
BL	(0°-30°)	166.0	6.6	B1/500		
BM	(30°-60°)	279.5	11.1	B1/1000		
BH	(60°-80°)	58.2	2.3	B0/110		G0/110
BVH	(80°-90°)	2.8	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°	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5
2.5°	1333.2	1312.6	1286.5	1265.0	1232.8	1168.1	1150.6	1129.5	1111.9	1088.3	1055.2
5°	1212.3	1205.8	1193.7	1112.4	1053.7	975.4	911.2	884.1	848.5	819.4	798.3
7.5°	1119.9	1093.9	1055.7	973.9	880.1	796.3	725.1	683.4	636.2	620.2	591.6
10°	1021.1	1027.1	970.9	856.0	742.6	674.9	630.7	590.6	547.9	519.8	479.2
12.5°	989.5	969.9	926.8	784.8	687.9	624.7	571.0	521.3	476.2	431.0	391.9
15°	1010.1	980.0	919.7	769.7	645.8	567.0	499.8	432.5	390.9	333.2	292.5
17.5°	1083.8	1059.7	979.0	785.8	624.2	511.8	412.0	342.7	279.0	226.8	206.2
20°	1206.8	1172.6	1071.3	806.3	592.1	445.1	334.2	248.9	188.7	166.6	155.0
22.5°	1327.2	1308.6	1180.7	846.0	563.5	385.9	250.9	167.6	141.0	137.0	129.5
25°	1556.5	1500.8	1347.8	917.7	541.4	330.2	189.2	135.0	119.4	116.4	117.4
27.5°	1693.0	1646.3	1502.3	965.4	516.8	287.5	160.1	123.9	113.4	106.9	104.4
30°	1823.9	1769.7	1579.1	993.5	464.1	242.4	142.0	118.9	116.4	106.9	103.9
32.5°	1924.8	1871.6	1690.0	1035.7	442.6	213.3	116.9	92.8	86.3	85.3	94.3
35°	2079.3	2022.6	1784.8	1058.7	426.0	198.2	101.4	82.8	75.3	72.3	72.8
37.5°	2223.3	2184.7	1872.6	1067.8	408.4	193.7	90.8	74.3	67.7	65.7	65.2
40°	2343.8	2257.5	1955.9	1077.3	400.9	185.2	84.3	67.7	63.2	60.2	60.2
42.5°	2399.0	2311.1	2049.2	1071.8	398.9	171.6	84.3	62.2	58.7	55.7	55.2
45°	2386.9	2351.3	2090.9	1069.3	398.9	158.1	76.8	60.7	55.7	51.7	50.7
47.5°	2418.0	2371.4	2143.1	1079.8	390.9	148.5	64.7	63.7	52.7	47.7	46.7
50°	2423.5	2432.6	2233.9	1134.5	373.3	136.5	50.7	62.7	50.7	43.2	42.1
52°	2459.7	2403.5	2261.5	1163.6	354.8	127.4	42.7	53.7	48.7	40.1	39.1
52.5°	2410.0	2446.6	2268.0	1174.1	356.8	121.4	41.1	52.7	47.7	40.1	37.6
55°	2354.3	2389.4	2241.4	1196.7	327.2	95.3	32.1	38.1	43.2	35.1	33.6
57.5°	2046.2	2081.8	1947.9	1095.9	266.4	67.2	26.6	28.6	38.1	32.6	31.1
60°	1818.9	1793.3	1634.8	914.2	189.2	37.6	21.1	22.1	41.6	30.1	29.6
62.5°	1662.4	1607.7	1366.3	706.0	115.4	25.1	16.6	17.1	32.1	28.1	28.1
65°	1229.8	1168.6	907.7	427.0	56.7	17.6	12.5	13.5	20.1	24.1	24.1
67.5°	702.0	678.4	438.5	192.7	23.6	11.0	9.5	10.5	15.6	19.6	18.6
70°	322.6	289.5	168.6	40.6	11.0	7.5	7.5	8.5	12.5	14.6	13.5
72.5°	94.3	89.3	41.1	6.5	4.5	4.5	5.0	6.5	9.5	11.0	10.0
75°	7.0	4.5	3.0	2.0	2.0	3.0	4.0	6.5	9.5	10.5	8.5
77.5°	0.5	1.0	0.5	0.5	1.5	3.0	4.5	8.0	12.5	13.0	9.5
80°	0.5	0.5	0.0	0.5	1.5	3.0	5.0	9.0	14.0	15.1	8.0
82.5°	0.0	0.0	0.0	0.5	2.0	4.0	6.0	9.5	13.0	16.1	8.5
85°	0.0	0.0	0.0	0.5	3.0	5.5	7.0	2.5	1.5	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°	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5
2.5°	1078.8	1065.8	1060.7	1065.3	1063.8	1062.2	1089.8	1083.8	1082.8	1091.8	1089.8
5°	809.9	786.8	850.0	824.4	851.0	867.1	870.1	871.6	890.1	870.6	896.2
7.5°	577.0	583.1	582.6	599.6	630.2	657.3	673.4	660.8	659.8	657.3	646.3
10°	461.1	450.6	448.6	444.6	454.1	477.2	496.8	481.2	470.2	485.2	480.7
12.5°	376.8	362.3	354.2	338.2	338.7	354.2	354.2	354.2	365.3	373.8	380.3
15°	289.0	277.0	277.0	260.9	257.4	257.9	265.9	266.9	284.5	289.5	292.0
17.5°	202.2	195.7	203.2	209.7	205.7	206.7	209.7	210.7	213.3	211.2	216.3
20°	155.5	154.5	156.6	168.1	176.6	181.6	178.1	173.1	170.1	163.1	163.1
22.5°	132.0	134.0	137.5	147.0	158.1	161.1	157.1	145.5	136.5	135.5	136.0
25°	117.4	119.4	124.9	131.0	137.0	142.0	138.0	129.5	124.4	119.9	119.9
27.5°	108.4	109.4	112.4	116.9	121.9	125.9	124.4	119.9	114.4	112.4	107.9
30°	101.4	102.9	106.4	107.4	111.9	113.9	111.4	110.4	106.9	104.4	102.9
32.5°	97.8	97.3	99.9	100.9	101.4	102.9	99.9	101.4	100.9	96.8	95.3
35°	73.8	77.8	84.3	89.8	91.3	93.3	92.8	90.8	85.3	80.8	75.3
37.5°	66.2	68.7	72.3	76.8	82.8	85.3	84.3	79.3	72.8	69.7	68.7
40°	61.2	62.7	65.7	68.7	74.8	79.3	75.8	71.3	66.2	63.7	62.2
42.5°	56.7	57.2	58.7	61.7	66.2	73.3	67.2	61.2	59.2	57.7	56.7
45°	51.7	51.7	53.7	55.2	60.2	66.7	60.7	55.2	54.2	53.2	52.7
47.5°	47.7	48.2	49.2	51.2	55.2	59.7	55.7	51.2	48.7	48.2	47.2
50°	42.7	43.2	45.2	47.2	52.2	54.7	52.2	47.2	44.7	43.2	43.2
52°	38.6	40.1	42.1	46.2	49.7	53.7	50.7	45.2	42.1	40.6	39.6
52.5°	38.1	39.1	41.1	45.7	49.7	53.2	50.2	44.7	41.1	40.1	39.1
55°	34.1	35.6	39.1	44.7	49.2	53.2	49.2	44.2	39.1	36.6	35.6
57.5°	32.6	33.6	38.1	45.2	48.7	53.2	49.2	44.2	39.1	34.6	33.6
60°	31.1	33.1	38.1	43.7	48.2	53.7	49.7	43.7	38.1	32.6	32.6
62.5°	29.6	31.1	37.6	42.7	46.2	51.7	47.7	42.7	36.6	31.1	30.6
65°	25.6	28.1	33.1	35.6	39.6	44.7	40.6	37.1	32.1	27.6	27.1
67.5°	19.6	20.6	24.6	27.6	30.1	34.6	32.6	28.1	24.6	21.1	21.1
70°	13.5	14.6	17.6	19.1	21.6	24.1	22.6	19.1	16.6	14.6	14.0
72.5°	9.5	10.0	11.0	12.0	13.0	14.0	13.5	11.0	9.5	9.0	8.5
75°	7.5	8.5	9.0	8.5	8.0	7.5	7.5	6.5	5.5	5.0	5.0
77.5°	7.5	8.0	7.5	6.5	5.5	5.0	4.5	4.0	3.0	2.5	3.0
80°	6.5	6.5	6.5	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.5
82.5°	7.0	7.0	6.5	5.5	5.5	4.5	4.5	4.0	3.5	2.5	2.5
85°	0.0	0.0	0.0	1.0	2.5	4.5	4.5	4.0	3.5	3.0	3.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.5	3.0	3.0	3.0
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°	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5
2.5°	1107.9	1127.0	1163.1	1199.2	1221.3	1247.4	1294.6	1319.7	1352.3	1368.3	1399.9
5°	892.6	937.8	953.9	995.0	1039.2	1083.3	1153.6	1230.8	1295.1	1339.2	1396.4
7.5°	651.3	661.8	724.1	751.7	823.9	904.2	1000.0	1097.4	1178.7	1250.9	1294.6
10°	488.2	526.9	566.0	618.7	676.9	759.7	851.5	958.9	1064.3	1136.5	1191.7
12.5°	392.4	423.0	475.2	531.9	603.6	658.3	750.6	857.0	993.5	1064.3	1137.0
15°	297.0	336.2	395.4	454.1	529.9	587.6	680.9	814.9	990.5	1087.8	1150.6
17.5°	220.3	246.9	300.1	365.8	443.1	524.3	650.3	810.4	1024.1	1140.0	1204.7
20°	168.6	177.6	211.2	270.0	353.7	460.1	600.6	829.9	1123.5	1267.0	1332.7
22.5°	136.5	140.5	153.5	194.2	275.5	403.9	577.0	843.5	1235.4	1419.0	1506.8
25°	118.9	117.9	126.4	144.0	215.3	351.2	546.9	894.7	1372.3	1597.6	1676.4
27.5°	108.4	108.4	112.4	124.9	178.6	317.1	527.9	931.3	1510.3	1754.7	1797.3
30°	102.9	103.9	115.4	119.4	148.5	276.5	496.2	968.4	1642.3	1855.0	1913.7
32.5°	95.3	91.3	88.8	98.8	124.9	239.8	464.6	984.0	1749.2	1978.0	2028.2
35°	73.3	71.3	74.3	81.8	107.4	208.7	429.5	1001.5	1872.1	2120.5	2130.5
37.5°	66.2	65.7	67.7	74.3	90.3	181.6	404.4	997.0	1965.9	2238.4	2211.3
40°	61.2	61.2	62.7	68.2	80.8	162.6	378.3	993.0	2056.8	2370.9	2291.6
42.5°	57.2	57.2	59.7	63.2	76.8	150.0	358.8	987.5	2133.0	2452.1	2338.7
45°	51.7	53.2	57.2	60.7	77.8	141.5	344.2	966.4	2159.1	2451.1	2316.2
47.5°	47.7	49.7	53.7	58.7	70.2	139.0	334.2	947.8	2150.1	2390.9	2245.4
50°	43.2	45.7	51.2	59.7	59.7	134.0	323.6	964.4	2143.6	2344.3	2177.7
52°	40.1	42.1	49.2	58.2	52.2	123.4	317.1	996.5	2170.2	2338.2	2147.6
52.5°	39.6	41.1	47.7	57.2	49.7	121.4	312.6	1004.0	2178.7	2323.2	2168.1
55°	35.1	37.1	43.7	44.7	40.6	99.9	298.1	1021.1	2136.5	2293.6	2148.6
57.5°	33.1	34.1	38.6	36.6	35.1	75.3	256.4	994.5	1897.7	2037.2	1999.0
60°	30.6	31.6	36.1	28.6	29.6	52.7	192.7	863.5	1523.9	1697.5	1766.2
62.5°	29.6	29.1	34.1	23.1	25.1	38.1	136.0	702.0	1174.1	1397.4	1516.3
65°	26.1	25.6	24.6	19.6	21.6	29.6	81.3	458.1	827.4	1057.2	1122.5
67.5°	20.1	21.1	18.1	15.6	18.1	23.1	45.2	205.2	434.0	634.2	686.9
70°	14.0	15.1	14.6	13.5	16.1	19.1	26.1	70.2	179.6	333.2	367.3
72.5°	8.5	10.5	11.0	11.5	14.0	16.6	18.6	22.6	47.7	117.9	146.5
75°	5.0	7.0	8.5	10.0	11.5	14.0	15.6	16.1	16.6	22.1	35.6
77.5°	3.5	5.0	7.5	9.5	11.5	14.0	16.6	17.6	16.6	15.6	16.6
80°	3.0	5.0	7.0	9.0	12.0	14.6	16.6	16.6	16.1	14.0	15.1
82.5°	3.0	5.0	7.5	9.5	11.5	14.0	16.1	16.6	15.1	14.0	14.6
85°	3.5	5.5	8.0	10.0	12.5	11.5	10.5	8.5	8.0	6.5	7.0
87.5°	3.5	5.0	5.0	5.5	6.0	6.0	6.0	5.5	4.5	4.0	4.0
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°	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5	1282.5
2.5°	1401.4	1441.6	1440.1	1441.1	1435.1	1394.4	1374.8	1325.2	1339.2	1333.2
5°	1455.1	1494.8	1528.9	1524.9	1478.7	1423.5	1341.7	1264.5	1243.4	1212.3
7.5°	1401.4	1496.8	1528.4	1523.9	1455.6	1384.9	1254.4	1177.2	1140.5	1119.9
10°	1316.1	1426.5	1465.7	1473.7	1427.5	1320.2	1200.2	1076.3	1056.7	1021.1
12.5°	1267.5	1347.8	1371.8	1393.4	1377.4	1297.1	1159.1	1040.2	1013.1	989.5
15°	1227.8	1275.5	1285.5	1310.1	1319.7	1276.5	1180.7	1079.3	1012.6	1010.1
17.5°	1264.5	1244.9	1208.3	1215.8	1245.9	1277.0	1236.4	1156.6	1091.8	1083.8
20°	1325.2	1238.9	1156.1	1174.6	1199.7	1295.1	1320.7	1264.5	1227.3	1206.8
22.5°	1394.9	1249.4	1139.5	1148.5	1196.2	1335.7	1457.1	1426.0	1356.8	1327.2
25°	1523.9	1278.5	1152.6	1158.6	1223.8	1392.4	1580.6	1603.7	1562.5	1556.5
27.5°	1649.8	1353.8	1181.2	1167.6	1237.9	1447.6	1655.3	1779.3	1707.0	1693.0
30°	1714.0	1415.0	1223.8	1200.7	1296.1	1481.2	1700.5	1893.7	1830.5	1823.9
32.5°	1812.4	1470.7	1256.9	1227.3	1328.7	1522.9	1784.8	2018.6	1957.4	1924.8
35°	1853.5	1531.4	1329.7	1295.1	1422.0	1581.1	1827.9	2130.0	2110.9	2079.3
37.5°	1932.8	1596.6	1415.5	1413.5	1534.9	1656.8	1905.7	2281.5	2278.0	2223.3
40°	1939.3	1667.9	1551.0	1614.2	1709.5	1788.8	1974.0	2323.7	2380.9	2343.8
42.5°	1949.4	1792.8	1785.3	1837.5	1919.3	1902.2	1976.5	2333.7	2421.0	2399.0
45°	1953.9	1917.8	2023.6	2120.0	2154.1	2050.7	1952.9	2314.7	2442.1	2386.9
47.5°	1917.8	2025.1	2216.3	2402.5	2412.5	2142.1	1942.8	2295.1	2454.7	2418.0
50°	1922.8	2092.4	2382.9	2549.5	2512.9	2222.8	1927.3	2283.0	2448.1	2423.5
52°	1910.7	2093.9	2406.5	2546.5	2520.9	2178.2	1900.7	2236.9	2442.1	2459.7
52.5°	1924.3	2084.9	2381.9	2548.5	2515.4	2200.3	1897.2	2262.5	2445.6	2410.0
55°	1877.6	1977.5	2237.9	2308.6	2303.6	1997.0	1789.3	2177.7	2353.8	2354.3
57.5°	1697.0	1714.0	1755.2	1753.7	1730.6	1570.0	1530.4	2002.6	2098.4	2046.2
60°	1495.3	1254.9	1144.0	1098.9	1073.3	1047.2	1353.8	1832.0	1841.0	1818.9
62.5°	1292.1	870.1	722.5	710.0	716.0	811.4	1308.6	1764.2	1710.0	1662.4
65°	1042.7	634.2	524.9	508.3	567.0	669.9	1059.2	1352.8	1269.5	1229.8
67.5°	654.8	462.6	354.8	323.6	394.4	461.1	696.0	850.0	756.7	702.0
70°	388.4	258.4	160.6	144.0	162.1	245.9	389.9	424.0	350.7	322.6
72.5°	153.0	94.8	44.7	38.1	39.6	86.3	143.5	140.0	105.9	94.3
75°	41.1	28.6	15.6	12.5	10.5	16.1	23.1	15.1	5.5	7.0
77.5°	19.1	17.1	13.5	10.5	8.0	6.0	3.0	1.0	1.0	0.5
80°	16.6	14.6	12.5	10.5	8.0	5.0	2.5	0.5	0.5	0.5
82.5°	15.6	13.5	11.5	9.5	7.5	5.0	2.5	0.5	0.0	0.0
85°	6.5	8.5	9.5	9.0	8.0	5.0	2.5	0.5	0.0	0.0
87.5°	3.5	3.0	2.5	2.0	1.5	1.0	1.0	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

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