

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: P952401

Luminaire Tested: **GALN-SB6B-735-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26061 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

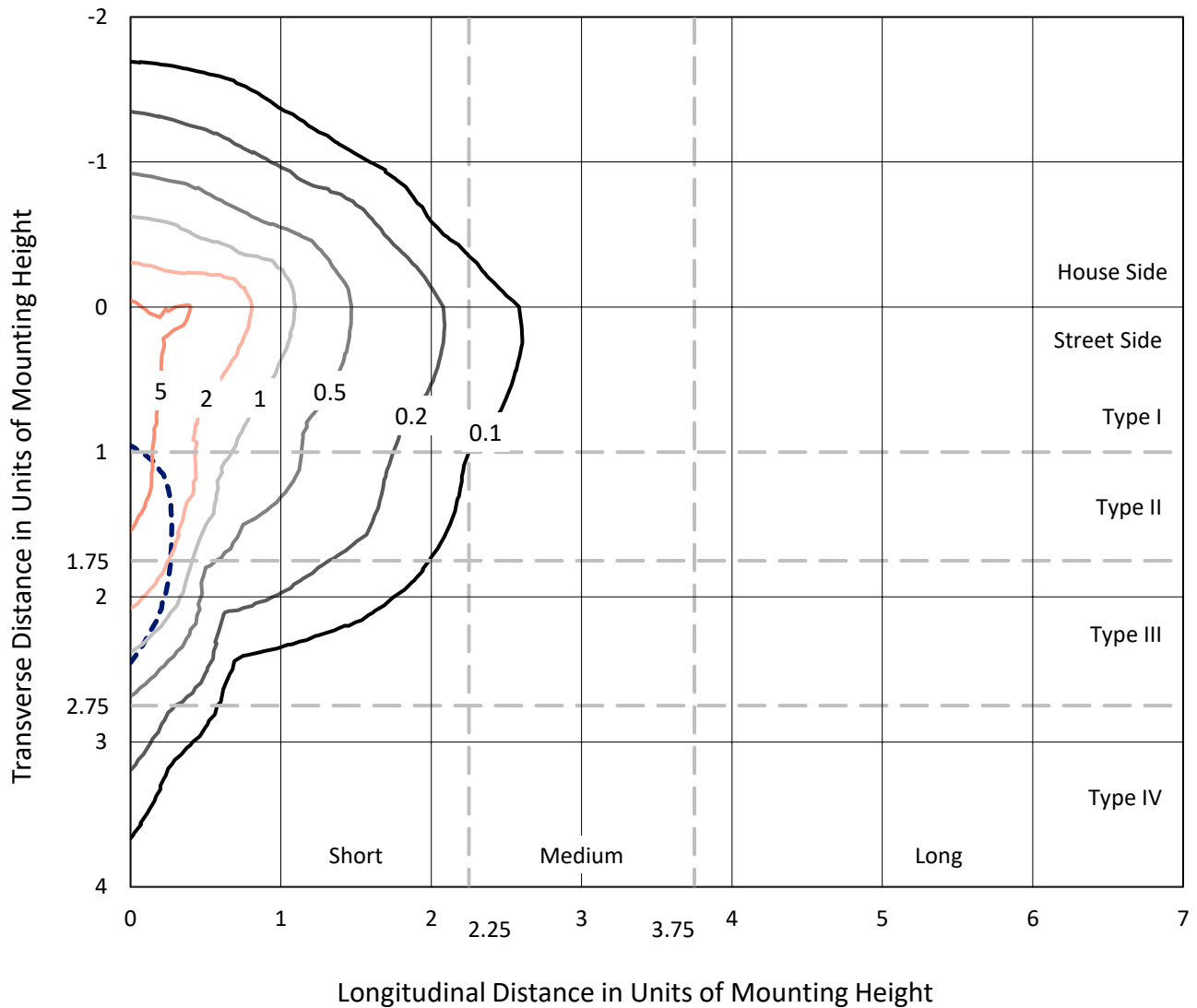
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

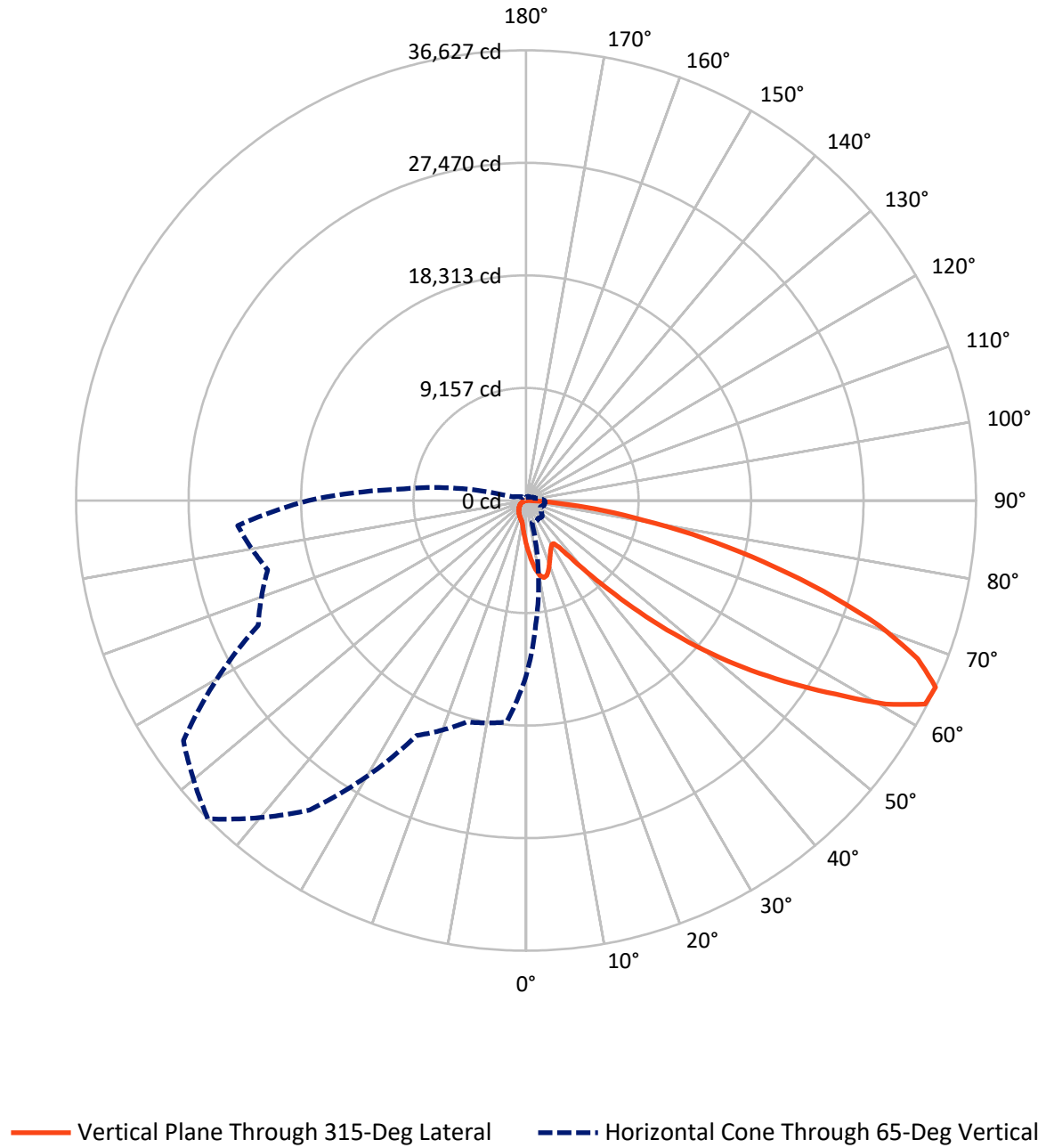
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3649.7	0.0	3649.7
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	22411.4	0.0	22411.4
	% Fixture	86.0	0.0	86.0
Total	Lumens	26061.0	0.0	26061.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.3	1.4
10°-20°	1065.0	4.1
20°-30°	1569.0	6.0
30°-40°	2015.7	7.7
40°-50°	3260.1	12.5
50°-60°	5716.8	21.9
60°-70°	7153.3	27.4
70°-80°	4180.0	16.0
80°-90°	745.8	2.9
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°	26061.0	100.0
0°-180°	26061.0	100.0

Coefficient of Utilization



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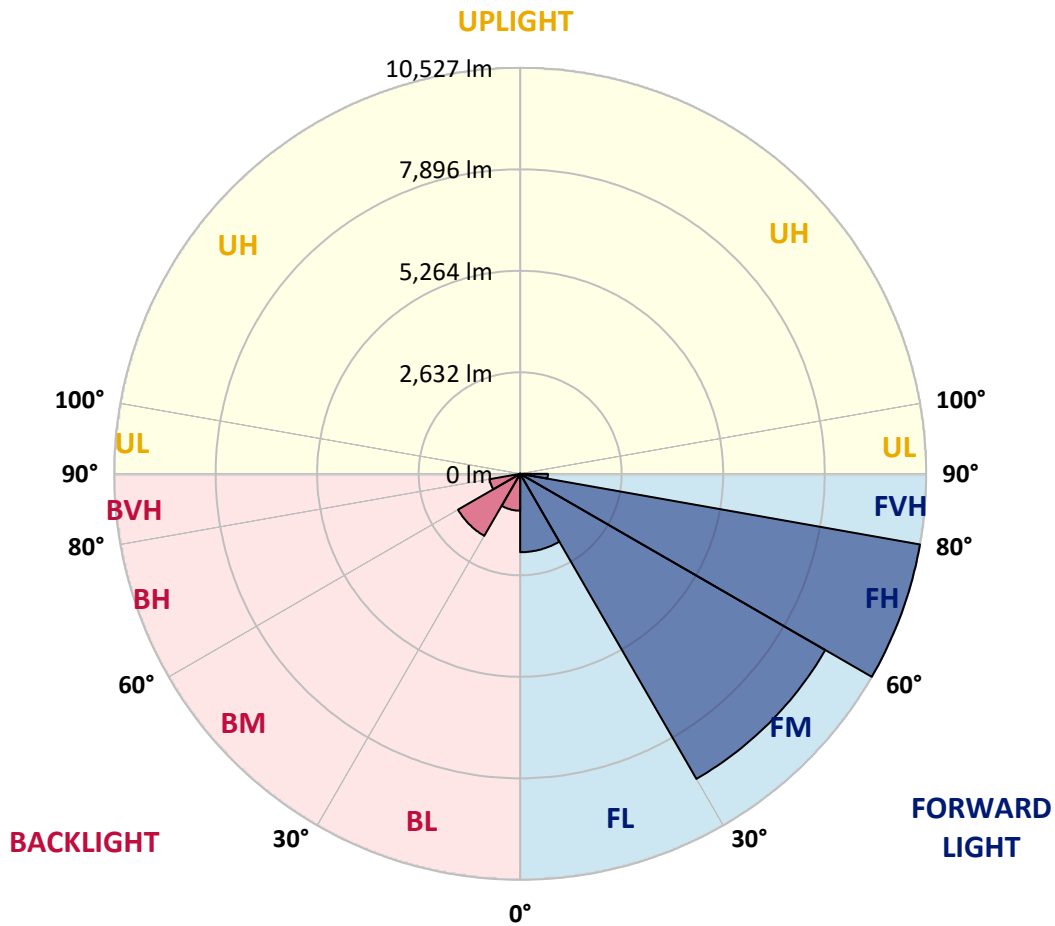
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2032.7	7.8			
FM (30°-60°)	9134.1	35.0			
FH (60°-80°)	10527.5	40.4			G4/12000
FVH (80°-90°)	717.1	2.8			G4/750
BL (0°-30°)	956.6	3.7	B2/1000		
BM (30°-60°)	1858.5	7.1	B2/2500		
BH (60°-80°)	805.9	3.1	B2/1000		G2/1000
BVH (80°-90°)	28.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6
2.5°	4077.2	4007.2	3965.9	3863.6	3761.2	3678.6	3567.3	3493.7	3405.7	3321.4
5°	4544.0	4430.9	4294.4	4107.7	3937.2	3763.0	3594.3	3427.3	3251.3	3089.8
7.5°	4939.0	4775.6	4535.0	4287.2	4070.0	3860.0	3662.5	3441.6	3228.0	2974.9
10°	5240.6	5032.3	4716.3	4391.4	4141.8	3930.0	3737.9	3551.2	3335.7	3030.5
12.5°	5423.7	5201.1	4825.8	4445.2	4159.8	3922.8	3773.8	3691.2	3606.8	3303.4
15°	5558.3	5317.8	4903.0	4482.9	4118.5	3827.6	3718.1	3800.7	3897.7	3703.8
17.5°	5698.4	5445.2	5003.6	4499.1	4007.2	3642.7	3596.0	3809.7	4034.1	4025.1
20°	5831.2	5579.9	5091.6	4488.3	3827.6	3418.3	3459.6	3732.5	3992.8	4102.3
22.5°	5983.8	5718.1	5175.9	4447.0	3594.3	3208.3	3337.5	3610.4	3838.4	3967.7
25°	6170.6	5892.3	5294.4	4386.0	3342.9	3034.1	3213.6	3468.6	3653.5	3743.3
27.5°	6371.6	6100.5	5452.4	4353.7	3140.0	2910.2	3073.6	3299.8	3465.0	3527.8
30°	6621.2	6342.9	5639.1	4317.8	3007.2	2838.4	2928.2	3104.1	3265.7	3328.5
32.5°	6894.1	6612.2	5818.7	4231.6	2926.4	2784.6	2786.4	2897.7	3044.9	3120.3
35°	7235.2	6935.4	6010.8	4043.1	2861.8	2721.7	2648.1	2702.0	2824.1	2913.8
37.5°	7721.7	7359.1	6246.0	3773.8	2766.6	2624.8	2502.7	2515.3	2608.6	2707.4
40°	8393.2	7928.2	6522.4	3493.7	2630.2	2488.3	2342.9	2337.5	2405.7	2502.7
42.5°	9301.6	8680.4	6854.6	3226.2	2499.1	2323.2	2174.1	2165.2	2219.0	2303.4
45°	10500.9	9642.7	7262.1	2996.4	2396.8	2161.6	2014.4	2010.8	2055.7	2129.3
47.5°	12035.9	10980.2	7669.7	2840.2	2342.9	2034.1	1883.3	1890.5	1930.0	1996.4
50°	14023.3	12723.5	7793.5	2761.2	2342.9	1965.9	1766.6	1802.5	1834.8	1885.1
52.5°	16405.7	14396.8	7384.2	2689.4	2357.3	1974.9	1667.9	1745.1	1768.4	1811.5
55°	18614.0	15217.2	6348.3	2590.7	2360.9	2030.5	1583.5	1698.4	1741.5	1757.6
57.5°	19895.9	14935.4	5132.9	2423.7	2346.5	2068.2	1529.6	1640.9	1723.5	1734.3
60°	19651.7	13946.1	3779.2	2296.2	2240.6	2053.9	1513.5	1553.0	1684.0	1700.2
62.5°	17770.2	12287.2	2623.0	2197.5	2007.2	1991.0	1508.1	1414.7	1597.8	1637.3
65°	14283.7	9673.2	1852.8	1892.3	1759.4	1854.6	1479.4	1271.1	1493.7	1547.6
67.5°	10362.6	6545.8	1337.5	1533.2	1594.3	1633.8	1414.7	1167.0	1375.2	1447.0
70°	6649.9	3535.0	939.0	1012.6	1342.9	1387.8	1303.4	1073.6	1254.9	1337.5
72.5°	4727.1	2088.0	675.0	709.2	1079.0	1156.2	1147.2	969.5	1114.9	1215.4
75°	3262.1	1150.8	456.0	506.3	782.8	939.0	885.1	833.0	944.3	1046.7
77.5°	2044.9	515.3	272.9	351.9	513.5	737.9	606.8	644.5	736.1	831.2
80°	1138.2	199.3	152.6	233.4	280.1	536.8	335.7	414.7	542.2	610.4
82.5°	247.8	25.1	68.2	100.5	109.5	312.4	177.7	240.6	341.1	335.7
85°	0.0	0.0	12.6	14.4	7.2	134.6	64.6	79.0	111.3	104.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6
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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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3608.6	0°	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6
3246.0	2.5°	3231.6	3143.6	3079.0	3046.7	3019.7	3044.9	3059.2	3059.2	3120.3	3156.2
2991.0	5°	2928.2	2770.2	2649.9	2569.1	2520.6	2536.8	2554.8	2574.5	2651.7	2703.8
2840.2	7.5°	2718.1	2475.8	2292.6	2179.5	2120.3	2129.3	2141.8	2158.0	2233.4	2285.5
2861.8	10°	2678.6	2330.3	2071.8	1922.8	1851.0	1838.4	1831.2	1825.9	1870.7	1910.2
3105.9	12.5°	2840.2	2337.5	1976.7	1795.3	1707.4	1669.7	1626.6	1592.5	1599.6	1624.8
3475.8	15°	3129.3	2429.1	1946.1	1728.9	1619.4	1556.6	1506.3	1465.0	1456.0	1465.0
3798.9	17.5°	3459.6	2553.0	1942.5	1671.5	1535.0	1470.4	1429.1	1391.4	1378.8	1380.6
3980.2	20°	3678.6	2651.7	1931.8	1606.8	1454.2	1396.8	1360.9	1323.2	1310.6	1314.2
3930.0	22.5°	3700.2	2703.8	1915.6	1535.0	1373.4	1325.0	1289.0	1254.9	1253.1	1253.1
3741.5	25°	3583.5	2703.8	1881.5	1470.4	1296.2	1253.1	1220.8	1179.5	1186.7	1190.3
3527.8	27.5°	3402.2	2639.1	1816.9	1418.3	1229.8	1184.9	1152.6	1114.9	1123.9	1129.3
3328.5	30°	3222.6	2556.6	1739.7	1359.1	1167.0	1114.9	1091.6	1059.2	1062.8	1070.0
3131.1	32.5°	3055.7	2468.6	1648.1	1310.6	1104.1	1052.1	1034.1	998.2	1003.6	1010.8
2937.2	35°	2890.5	2371.6	1540.4	1253.1	1046.7	994.6	980.3	939.0	942.5	953.3
2743.3	37.5°	2712.7	2269.3	1452.4	1195.7	991.0	937.2	922.8	879.7	883.3	895.9
2542.2	40°	2526.0	2168.8	1366.2	1134.6	931.8	877.9	865.3	818.7	822.3	836.6
2344.7	42.5°	2337.5	2059.2	1299.8	1055.7	870.7	813.3	800.7	757.6	763.0	779.2
2172.4	45°	2163.4	1928.2	1256.7	967.7	813.3	748.7	736.1	696.6	707.4	725.3
2026.9	47.5°	2014.4	1793.5	1238.8	894.1	752.2	682.2	671.5	639.1	657.1	676.8
1903.1	50°	1886.9	1664.3	1215.4	818.7	694.8	624.8	614.0	592.5	615.8	635.5
1818.7	52.5°	1795.3	1517.1	1165.2	750.4	644.5	576.3	572.7	561.9	583.5	601.4
1755.8	55°	1716.3	1364.5	1084.4	691.2	599.6	535.0	538.6	533.2	551.2	565.5
1718.1	57.5°	1644.5	1231.6	982.0	644.5	551.2	499.1	509.9	502.7	511.7	520.6
1678.6	60°	1558.3	1096.9	860.0	592.5	493.7	463.2	475.8	456.0	454.2	457.8
1606.8	62.5°	1430.9	915.6	732.5	527.8	443.4	423.7	429.1	391.4	362.7	362.7
1500.9	65°	1253.1	736.1	614.0	456.0	386.0	369.8	366.2	312.4	272.9	269.3
1386.0	67.5°	1046.7	605.0	509.9	384.2	321.4	310.6	314.2	274.7	235.2	231.6
1271.1	70°	852.8	500.9	411.1	307.0	247.8	258.5	274.7	235.2	197.5	192.1
1136.4	72.5°	693.0	398.6	321.4	235.2	183.1	213.6	233.4	192.1	156.2	152.6
969.5	75°	535.0	292.6	229.8	159.8	132.9	165.2	183.1	140.0	111.3	105.9
750.4	77.5°	357.3	181.3	129.3	100.5	79.0	113.1	122.1	73.6	64.6	62.8
545.8	80°	217.2	84.4	55.7	48.5	26.9	41.3	48.5	30.5	34.1	35.9
290.8	82.5°	109.5	23.3	9.0	1.8	0.0	0.0	14.4	7.2	14.4	18.0
79.0	85°	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	9.0
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

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CANDELA DISTRIBUTION (continued):

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
3608.6	0°	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6
3170.6	2.5°	3271.1	3346.5	3418.3	3533.2	3651.7	3768.4	3886.9	4001.8	4043.1	4073.6
2737.9	5°	2894.1	3035.9	3201.1	3429.1	3673.2	3924.6	4179.5	4412.9	4518.8	4590.7
2330.3	7.5°	2504.5	2689.4	2926.4	3269.3	3651.7	4052.1	4452.4	4820.5	4991.0	5129.3
1946.1	10°	2118.5	2319.6	2619.4	3010.8	3527.8	4102.3	4655.3	5161.6	5382.4	5556.5
1669.7	12.5°	1779.2	1967.7	2281.9	2714.5	3333.9	4062.8	4772.0	5380.6	5640.9	5836.6
1472.2	15°	1540.4	1673.2	1951.5	2418.3	3104.1	3935.4	4779.2	5484.7	5770.2	5974.9
1389.6	17.5°	1407.5	1452.4	1633.8	2116.7	2849.2	3768.4	4712.7	5520.6	5825.8	6016.2
1316.0	20°	1335.7	1342.9	1393.2	1725.3	2522.4	3612.2	4649.9	5556.5	5877.9	6037.7
1263.9	22.5°	1278.3	1278.3	1290.8	1411.1	2100.5	3425.5	4630.2	5619.4	5949.7	6048.5
1204.7	25°	1226.2	1226.2	1229.8	1262.1	1664.3	3140.0	4617.6	5716.3	6048.5	6075.4
1145.4	27.5°	1172.4	1174.1	1174.1	1192.1	1341.1	2752.2	4563.7	5842.0	6167.0	6111.3
1088.0	30°	1118.5	1122.1	1122.1	1134.6	1186.7	2298.0	4457.8	5992.8	6321.4	6158.0
1030.5	32.5°	1064.6	1068.2	1068.2	1079.0	1116.7	1834.8	4325.0	6131.1	6477.6	6177.7
974.9	35°	1009.0	1014.4	1010.8	1025.1	1064.6	1459.6	4156.2	6269.3	6646.3	6240.6
921.0	37.5°	953.3	956.9	955.1	969.5	1014.4	1260.3	3960.5	6373.4	6876.1	6380.6
863.6	40°	897.7	895.9	895.9	912.0	960.5	1202.9	3714.5	6538.6	7206.5	6626.6
806.1	42.5°	840.2	840.2	836.6	854.6	913.8	1159.8	3479.4	6834.8	7687.6	7017.9
752.2	45°	788.2	786.4	779.2	795.3	868.9	1084.4	3396.8	7387.8	8398.6	7651.7
698.4	47.5°	737.9	736.1	718.1	732.5	815.1	1016.2	3705.6	8292.6	9384.2	8583.5
655.3	50°	693.0	694.8	660.7	673.2	761.2	964.1	4375.2	9466.8	10693.0	9838.4
619.4	52.5°	651.7	651.7	606.8	614.0	694.8	917.4	5012.6	10739.7	12420.1	11588.9
581.7	55°	610.4	606.8	556.6	560.1	628.4	851.0	5107.7	11982.0	14775.6	14222.6
540.4	57.5°	563.7	556.6	509.9	509.9	567.3	802.5	4427.3	12937.2	17698.4	18093.3
463.2	60°	506.3	500.9	470.4	461.4	518.9	845.6	3123.9	13048.5	19583.5	23240.6
368.0	62.5°	432.7	439.9	423.7	411.1	472.2	877.9	1851.0	12152.6	19127.5	24877.9
285.5	65°	341.1	369.8	366.2	357.3	518.9	739.7	1093.4	10432.7	17728.9	23556.5
249.6	67.5°	290.8	310.6	305.2	305.2	544.0	561.9	687.6	8150.8	15804.3	21989.2
208.3	70°	247.8	267.5	247.8	247.8	411.1	341.1	475.8	5691.2	13727.1	20254.9
167.0	72.5°	204.7	224.4	202.9	188.5	328.5	254.9	348.3	3556.6	11755.8	18448.8
118.5	75°	156.2	179.5	163.4	145.4	217.2	190.3	263.9	2066.4	9739.7	15784.5
71.8	77.5°	98.7	129.3	122.1	102.3	159.8	138.2	190.3	1229.8	7515.3	12333.9
43.1	80°	61.0	66.4	68.2	64.6	91.6	93.4	129.3	700.2	5143.6	8596.0
26.9	82.5°	39.5	39.5	30.5	34.1	44.9	53.9	73.6	263.9	3023.3	5233.4
16.2	85°	28.7	25.1	16.2	16.2	21.5	26.9	28.7	80.8	1226.2	2066.4
7.2	87.5°	14.4	12.6	5.4	7.2	10.8	9.0	7.2	3.6	308.8	660.7
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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CANDELA DISTRIBUTION (continued):

285°		295°	305°	315°	325°	335°	345°	355°	360°
3608.6	0°	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6	3608.6
4141.8	2.5°	4177.7	4233.4	4237.0	4237.0	4188.5	4186.7	4088.0	4077.2
4752.2	5°	4919.2	4955.1	4964.1	4946.1	4849.2	4777.4	4585.3	4544.0
5375.2	7.5°	5597.8	5669.7	5669.7	5626.6	5468.6	5321.4	5043.1	4939.0
5890.5	10°	6140.0	6222.6	6204.7	6116.7	5917.4	5714.5	5377.0	5240.6
6202.9	12.5°	6403.9	6488.3	6441.6	6341.1	6147.2	5933.6	5578.1	5423.7
6292.6	15°	6398.6	6375.2	6326.7	6314.2	6220.8	6059.2	5727.1	5558.3
6237.0	17.5°	6170.6	5973.1	5935.4	6061.0	6179.5	6140.0	5856.4	5698.4
6104.1	20°	5809.7	5465.0	5430.9	5671.4	6009.0	6181.3	5976.7	5831.2
5912.0	22.5°	5429.1	5057.4	4978.5	5244.2	5752.2	6193.9	6129.3	5983.8
5700.2	25°	5068.2	4694.8	4615.8	4863.6	5466.8	6172.3	6294.4	6170.6
5497.3	27.5°	4766.6	4405.7	4332.1	4579.9	5192.1	6111.3	6459.6	6371.6
5296.2	30°	4533.2	4199.3	4145.4	4384.2	4955.1	6035.9	6669.7	6621.2
5109.5	32.5°	4396.8	4152.6	4172.3	4368.0	4827.6	5953.3	6870.7	6894.1
5017.9	35°	4531.4	4542.2	4714.5	4795.3	4946.1	5940.7	7143.6	7235.2
5127.5	37.5°	5201.1	5574.5	5931.8	5865.3	5526.0	6086.2	7551.2	7721.7
5605.0	40°	6341.1	7107.7	7687.6	7434.5	6579.9	6531.4	8138.2	8393.2
6452.4	42.5°	7734.3	9034.1	9989.2	9310.6	7939.0	7310.6	8976.7	9301.6
7477.6	45°	9204.7	11409.3	12913.8	11502.7	9387.8	8402.1	10246.0	10500.9
8438.1	47.5°	10754.0	14296.2	16242.4	13933.6	10730.7	9644.5	11976.7	12035.9
9348.3	50°	12448.8	17461.4	19635.5	16362.6	12026.9	11068.2	14091.6	14023.3
10409.3	52.5°	14062.8	20716.3	22956.9	18802.5	13165.2	12834.8	16545.8	16405.7
11860.0	55°	15603.2	23969.5	26298.0	21147.2	14238.8	15168.7	19461.4	18614.0
13951.5	57.5°	17389.6	26894.1	29741.4	23502.7	15739.7	18199.3	22721.7	19895.9
17956.9	60°	20030.5	30217.2	33635.5	26730.7	18594.2	21384.2	23890.5	19651.7
22754.0	62.5°	23402.1	33272.9	36466.8	29894.1	21461.4	21983.8	22168.7	17770.2
21775.6	65°	24057.4	34046.7	36626.5	30739.7	21091.5	18648.1	18098.7	14283.7
19450.6	67.5°	22319.6	32648.1	34393.1	29165.1	18657.1	14411.1	13581.7	10362.6
17924.6	70°	20369.8	29982.0	30500.9	26488.3	16409.3	10599.6	9172.3	6649.9
16879.7	72.5°	18371.6	26425.5	25351.9	23003.6	14421.9	7718.1	6615.8	4727.1
15391.4	75°	15998.2	21748.6	19969.5	19113.1	11940.7	6057.4	4786.4	3262.1
13238.8	77.5°	12811.5	15308.8	14833.0	14815.1	8973.1	4425.5	3193.9	2044.9
10342.9	80°	9037.7	9935.4	9693.0	11158.0	6019.7	3210.1	1922.8	1138.2
7199.3	82.5°	4375.2	5493.7	5639.1	6644.5	2928.2	1888.7	443.4	247.8
2815.1	85°	1712.7	2649.9	2235.2	2522.4	822.3	526.0	10.8	0.0
463.2	87.5°	192.1	307.0	281.9	222.6	100.5	21.5	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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