

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: P948495

Luminaire Tested: **GALN-SB3C-740-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948495  
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-SB3C-740-U-SLR-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

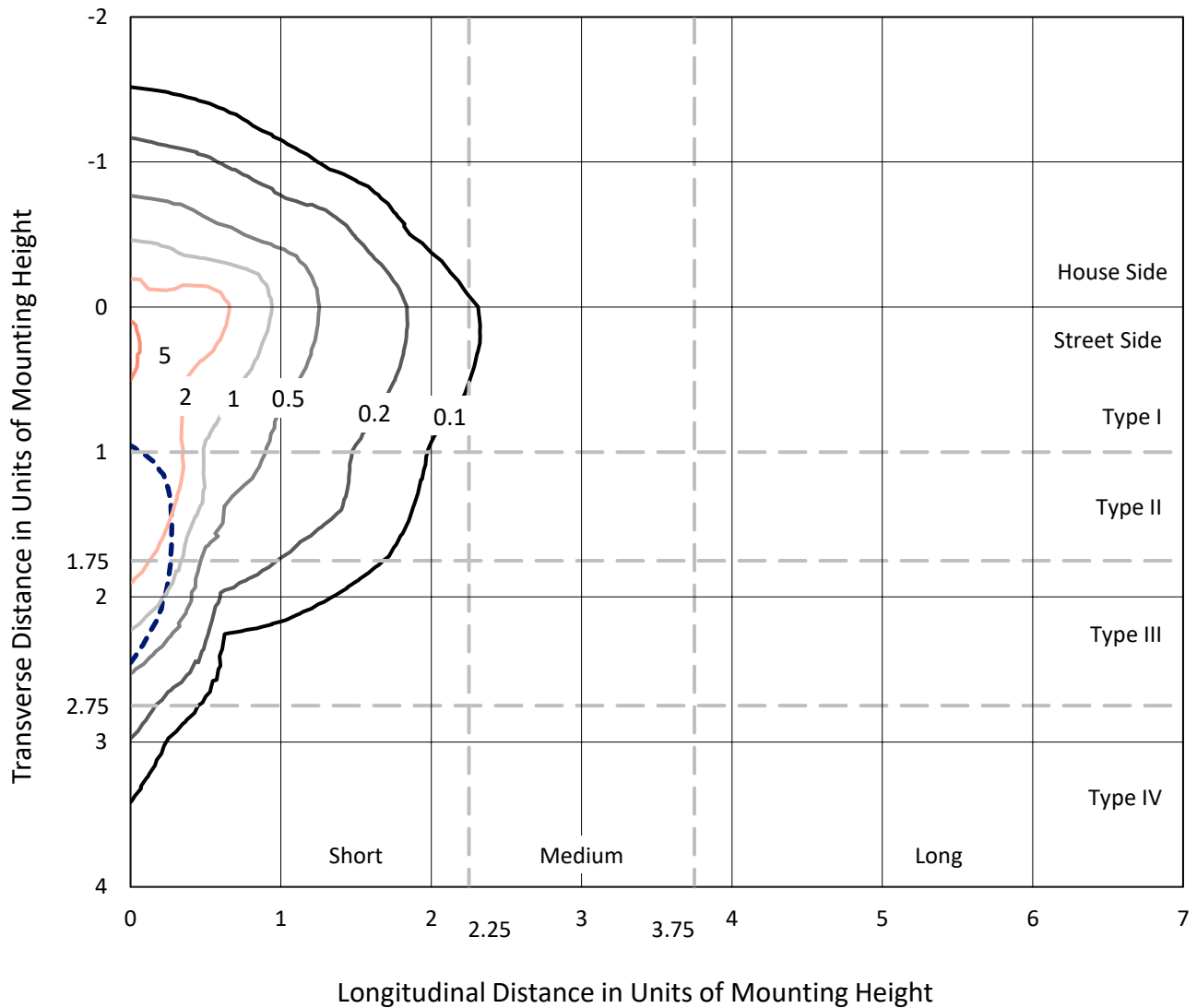
Lumens per Lamp: N/A  
Luminaire Lumens: 18143 lumens  
Efficiency: N/A  
Efficacy: 121.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

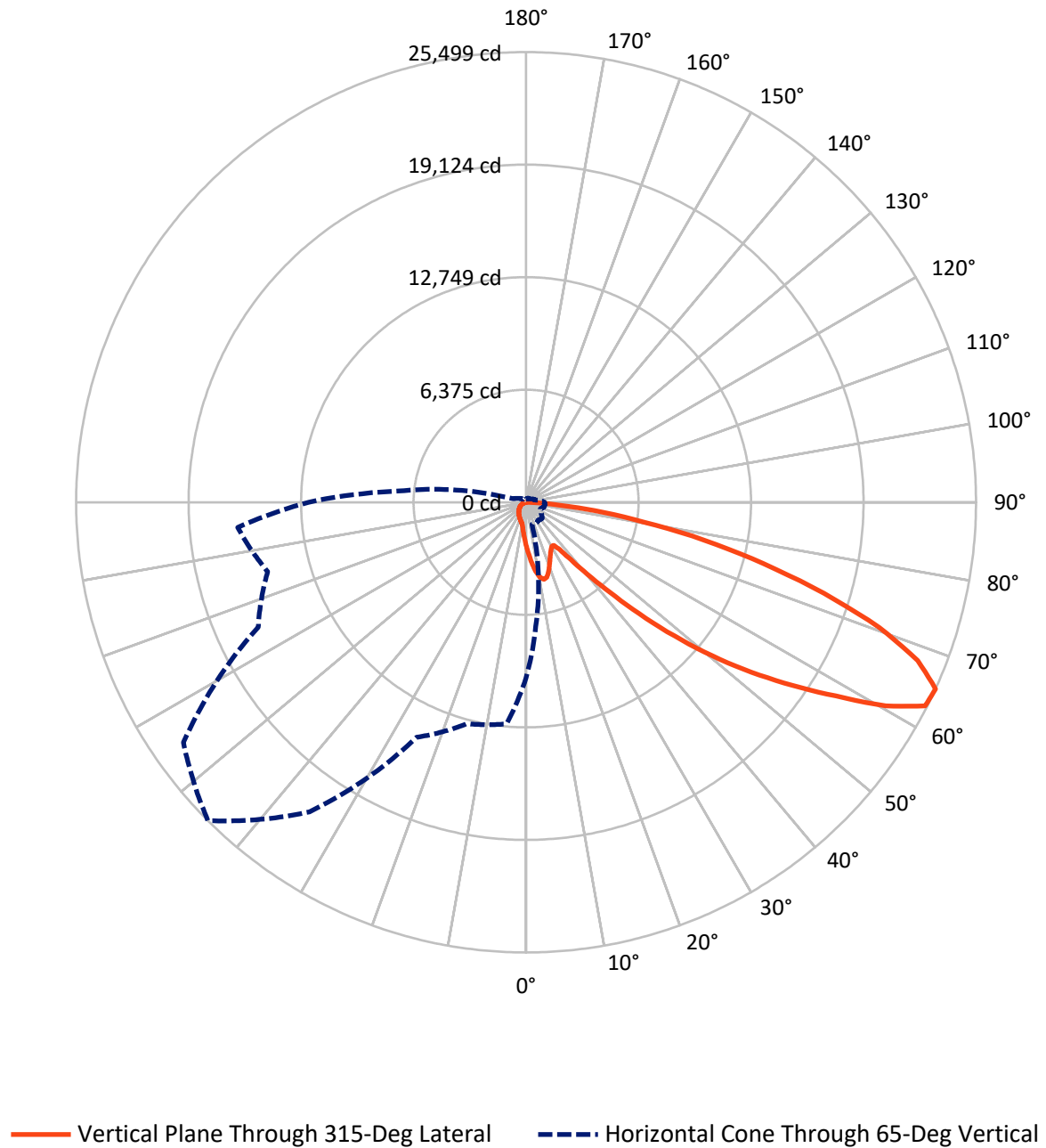
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2540.8	0.0	2540.8
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	15602.2	0.0	15602.2
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	18143.0	0.0	18143.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	247.3	1.4
10°-20°	741.4	4.1
20°-30°	1092.3	6.0
30°-40°	1403.3	7.7
40°-50°	2269.6	12.5
50°-60°	3979.9	21.9
60°-70°	4979.9	27.4
70°-80°	2910.0	16.0
80°-90°	519.2	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°	18143.0	100.0
0°-180°	18143.0	100.0

**Coefficient of Utilization**



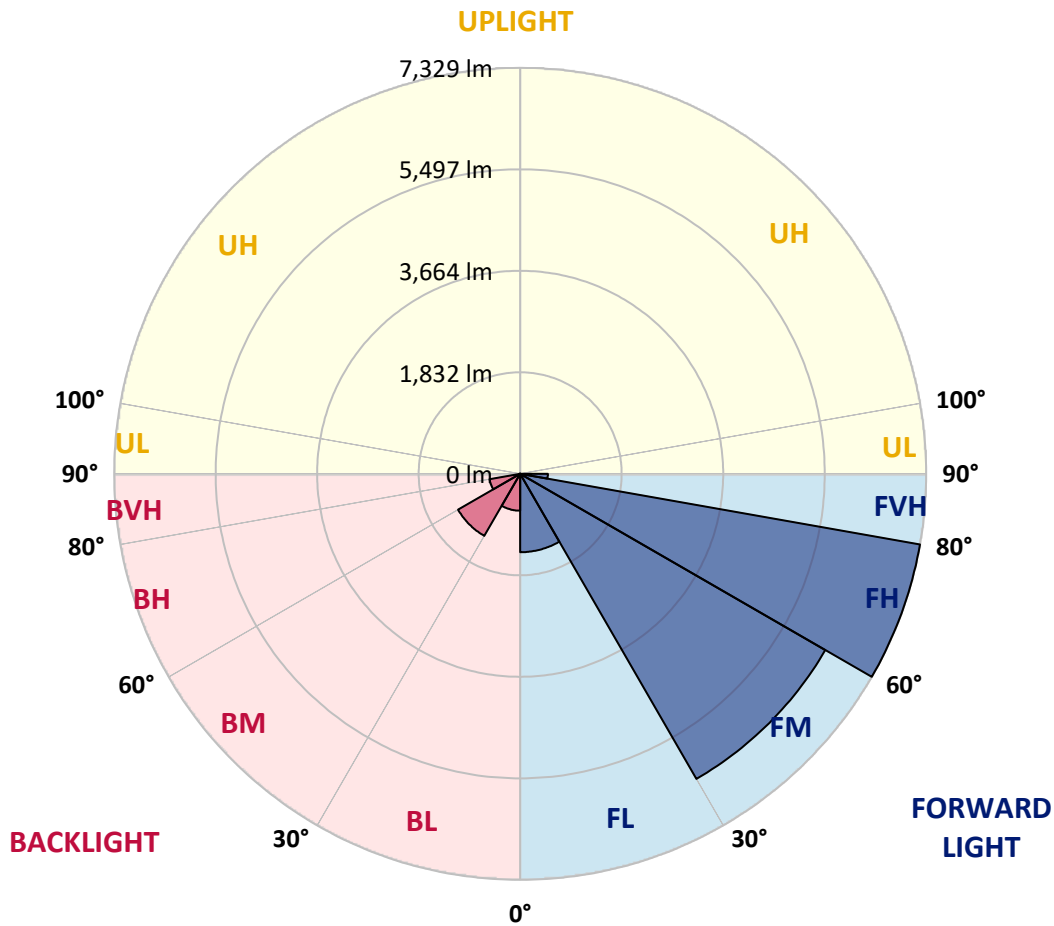
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1415.1	7.8			
FM (30°-60°)	6358.9	35.0			
FH (60°-80°)	7328.9	40.4			G3/7500
FVH (80°-90°)	499.3	2.8			G3/500
BL (0°-30°)	666.0	3.7	B2/1000		
BM (30°-60°)	1293.8	7.1	B2/2500		
BH (60°-80°)	561.0	3.1	B2/1000		G2/1000
BVH (80°-90°)	19.9	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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2
2.5°	2838.4	2789.7	2760.9	2689.7	2618.5	2561.0	2483.5	2432.2	2371.0	2312.2
5°	3163.4	3084.7	2989.7	2859.7	2740.9	2619.7	2502.2	2386.0	2263.5	2151.0
7.5°	3438.4	3324.6	3157.2	2984.7	2833.4	2687.2	2549.7	2396.0	2247.3	2071.0
10°	3648.4	3503.4	3283.4	3057.2	2883.4	2736.0	2602.2	2472.2	2322.2	2109.8
12.5°	3775.8	3620.9	3359.6	3094.7	2895.9	2731.0	2627.2	2569.7	2511.0	2299.7
15°	3869.6	3702.1	3413.4	3120.9	2867.2	2664.7	2588.5	2646.0	2713.5	2578.5
17.5°	3967.1	3790.8	3483.4	3132.2	2789.7	2536.0	2503.5	2652.2	2808.4	2802.2
20°	4059.6	3884.6	3544.6	3124.7	2664.7	2379.7	2408.5	2598.5	2779.7	2855.9
22.5°	4165.8	3980.8	3603.4	3095.9	2502.2	2233.5	2323.5	2513.5	2672.2	2762.2
25°	4295.8	4102.1	3685.8	3053.4	2327.2	2112.3	2237.3	2414.7	2543.5	2606.0
27.5°	4435.8	4247.0	3795.8	3030.9	2186.0	2026.0	2139.8	2297.2	2412.2	2456.0
30°	4609.5	4415.8	3925.8	3005.9	2093.5	1976.0	2038.5	2161.0	2273.5	2317.2
32.5°	4799.5	4603.2	4050.8	2945.9	2037.3	1938.5	1939.8	2017.3	2119.8	2172.3
35°	5036.9	4828.2	4184.5	2814.7	1992.3	1894.8	1843.5	1881.0	1966.0	2028.5
37.5°	5375.7	5123.2	4348.3	2627.2	1926.0	1827.3	1742.3	1751.1	1816.1	1884.8
40°	5843.1	5519.4	4540.8	2432.2	1831.0	1732.3	1631.1	1627.3	1674.8	1742.3
42.5°	6475.5	6043.1	4772.0	2246.0	1739.8	1617.3	1513.6	1507.3	1544.8	1603.6
45°	7310.4	6713.0	5055.7	2086.0	1668.6	1504.8	1402.3	1399.8	1431.1	1482.3
47.5°	8379.1	7644.2	5339.4	1977.3	1631.1	1416.1	1311.1	1316.1	1343.6	1389.8
50°	9762.7	8857.8	5425.7	1922.3	1631.1	1368.6	1229.9	1254.9	1277.4	1312.4
52.5°	11421.2	10022.7	5140.7	1872.3	1641.1	1374.8	1161.1	1214.9	1231.1	1261.1
55°	12958.6	10593.8	4419.5	1803.6	1643.6	1413.6	1102.4	1182.4	1212.4	1223.6
57.5°	13851.0	10397.6	3573.4	1687.3	1633.6	1439.8	1064.9	1142.4	1199.9	1207.4
60°	13681.0	9708.9	2631.0	1598.6	1559.8	1429.8	1053.6	1081.1	1172.4	1183.6
62.5°	12371.1	8554.1	1826.1	1529.8	1397.3	1386.1	1049.9	984.9	1112.4	1139.9
65°	9943.9	6734.3	1289.9	1317.4	1224.9	1291.1	1029.9	884.9	1039.9	1077.4
67.5°	7214.2	4557.0	931.1	1067.4	1109.9	1137.4	984.9	812.4	957.4	1007.4
70°	4629.5	2461.0	653.7	704.9	934.9	966.1	907.4	747.4	873.7	931.1
72.5°	3290.9	1453.6	469.9	493.7	751.2	804.9	798.7	674.9	776.2	846.2
75°	2271.0	801.2	317.5	352.5	544.9	653.7	616.2	579.9	657.4	728.7
77.5°	1423.6	358.7	190.0	245.0	357.5	513.7	422.5	448.7	512.4	578.7
80°	792.4	138.7	106.2	162.5	195.0	373.7	233.7	288.7	377.5	425.0
82.5°	172.5	17.5	47.5	70.0	76.2	217.5	123.7	167.5	237.5	233.7
85°	0.0	0.0	8.7	10.0	5.0	93.7	45.0	55.0	77.5	72.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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°
2512.2	0°	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2
2259.8	2.5°	2249.8	2188.5	2143.5	2121.0	2102.3	2119.8	2129.8	2129.8	2172.3	2197.3
2082.3	5°	2038.5	1928.5	1844.8	1788.6	1754.8	1766.1	1778.6	1792.3	1846.0	1882.3
1977.3	7.5°	1892.3	1723.6	1596.1	1517.3	1476.1	1482.3	1491.1	1502.3	1554.8	1591.1
1992.3	10°	1864.8	1622.3	1442.3	1338.6	1288.6	1279.9	1274.9	1271.1	1302.4	1329.9
2162.3	12.5°	1977.3	1627.3	1376.1	1249.9	1188.6	1162.4	1132.4	1108.6	1113.6	1131.1
2419.7	15°	2178.5	1691.1	1354.9	1203.6	1127.4	1083.6	1048.6	1019.9	1013.6	1019.9
2644.7	17.5°	2408.5	1777.3	1352.4	1163.6	1068.6	1023.6	994.9	968.6	959.9	961.1
2770.9	20°	2561.0	1846.0	1344.9	1118.6	1012.4	972.4	947.4	921.1	912.4	914.9
2736.0	22.5°	2576.0	1882.3	1333.6	1068.6	956.1	922.4	897.4	873.7	872.4	872.4
2604.7	25°	2494.7	1882.3	1309.9	1023.6	902.4	872.4	849.9	821.2	826.2	828.7
2456.0	27.5°	2368.5	1837.3	1264.9	987.4	856.2	824.9	802.4	776.2	782.4	786.2
2317.2	30°	2243.5	1779.8	1211.1	946.1	812.4	776.2	759.9	737.4	739.9	744.9
2179.8	32.5°	2127.3	1718.6	1147.4	912.4	768.7	732.4	719.9	694.9	698.7	703.7
2044.8	35°	2012.3	1651.1	1072.4	872.4	728.7	692.4	682.4	653.7	656.2	663.7
1909.8	37.5°	1888.5	1579.8	1011.1	832.4	689.9	652.4	642.4	612.4	614.9	623.7
1769.8	40°	1758.6	1509.8	951.1	789.9	648.7	611.2	602.4	569.9	572.4	582.4
1632.3	42.5°	1627.3	1433.6	904.9	734.9	606.2	566.2	557.4	527.4	531.2	542.4
1512.3	45°	1506.1	1342.4	874.9	673.7	566.2	521.2	512.4	484.9	492.4	504.9
1411.1	47.5°	1402.3	1248.6	862.4	622.4	523.7	474.9	467.4	445.0	457.4	471.2
1324.9	50°	1313.6	1158.6	846.2	569.9	483.7	435.0	427.5	412.5	428.7	442.5
1266.1	52.5°	1249.9	1056.1	811.2	522.4	448.7	401.2	398.7	391.2	406.2	418.7
1222.4	55°	1194.9	949.9	754.9	481.2	417.5	372.5	375.0	371.2	383.7	393.7
1196.1	57.5°	1144.9	857.4	683.7	448.7	383.7	347.5	355.0	350.0	356.2	362.5
1168.6	60°	1084.9	763.7	598.7	412.5	343.7	322.5	331.2	317.5	316.2	318.7
1118.6	62.5°	996.1	637.4	509.9	367.5	308.7	295.0	298.7	272.5	252.5	252.5
1044.9	65°	872.4	512.4	427.5	317.5	268.7	257.5	255.0	217.5	190.0	187.5
964.9	67.5°	728.7	421.2	355.0	267.5	223.7	216.2	218.7	191.2	163.7	161.2
884.9	70°	593.7	348.7	286.2	213.7	172.5	180.0	191.2	163.7	137.5	133.7
791.2	72.5°	482.4	277.5	223.7	163.7	127.5	148.7	162.5	133.7	108.7	106.2
674.9	75°	372.5	203.7	160.0	111.2	92.5	115.0	127.5	97.5	77.5	73.7
522.4	77.5°	248.7	126.2	90.0	70.0	55.0	78.7	85.0	51.2	45.0	43.7
380.0	80°	151.2	58.7	38.7	33.7	18.7	28.7	33.7	21.2	23.7	25.0
202.5	82.5°	76.2	16.2	6.2	1.2	0.0	0.0	10.0	5.0	10.0	12.5
55.0	85°	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.2
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°
2512.2	0°	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2
2207.3	2.5°	2277.3	2329.7	2379.7	2459.7	2542.2	2623.5	2706.0	2785.9	2814.7	2835.9
1906.0	5°	2014.8	2113.5	2228.5	2387.2	2557.2	2732.2	2909.7	3072.2	3145.9	3195.9
1622.3	7.5°	1743.6	1872.3	2037.3	2276.0	2542.2	2820.9	3099.7	3355.9	3474.6	3570.9
1354.9	10°	1474.8	1614.8	1823.6	2096.0	2456.0	2855.9	3240.9	3593.4	3747.1	3868.3
1162.4	12.5°	1238.6	1369.9	1588.6	1889.8	2321.0	2828.4	3322.1	3745.8	3927.1	4063.3
1024.9	15°	1072.4	1164.9	1358.6	1683.6	2161.0	2739.7	3327.1	3818.3	4017.1	4159.5
967.4	17.5°	979.9	1011.1	1137.4	1473.6	1983.5	2623.5	3280.9	3843.3	4055.8	4188.3
916.1	20°	929.9	934.9	969.9	1201.1	1756.1	2514.7	3237.1	3868.3	4092.1	4203.3
879.9	22.5°	889.9	889.9	898.7	982.4	1462.3	2384.7	3223.4	3912.1	4142.0	4210.8
838.7	25°	853.7	853.7	856.2	878.7	1158.6	2186.0	3214.6	3979.6	4210.8	4229.5
797.4	27.5°	816.2	817.4	817.4	829.9	933.6	1916.0	3177.2	4067.1	4293.3	4254.5
757.4	30°	778.7	781.2	781.2	789.9	826.2	1599.8	3103.4	4172.0	4400.8	4287.0
717.4	32.5°	741.2	743.7	743.7	751.2	777.4	1277.4	3010.9	4268.3	4509.5	4300.8
678.7	35°	702.4	706.2	703.7	713.7	741.2	1016.1	2893.4	4364.5	4627.0	4344.5
641.2	37.5°	663.7	666.2	664.9	674.9	706.2	877.4	2757.2	4437.0	4787.0	4442.0
601.2	40°	624.9	623.7	623.7	634.9	668.7	837.4	2586.0	4552.0	5017.0	4613.2
561.2	42.5°	584.9	584.9	582.4	594.9	636.2	807.4	2422.2	4758.2	5351.9	4885.7
523.7	45°	548.7	547.4	542.4	553.7	604.9	754.9	2364.7	5143.2	5846.9	5326.9
486.2	47.5°	513.7	512.4	499.9	509.9	567.4	707.4	2579.7	5773.1	6533.0	5975.6
456.2	50°	482.4	483.7	459.9	468.7	529.9	671.2	3045.9	6590.5	7444.2	6849.3
431.2	52.5°	453.7	453.7	422.5	427.5	483.7	638.7	3489.6	7476.7	8646.6	8067.9
405.0	55°	425.0	422.5	387.5	390.0	437.5	592.4	3555.9	8341.6	10286.4	9901.4
376.2	57.5°	392.5	387.5	355.0	355.0	395.0	558.7	3082.2	9006.5	12321.2	12596.1
322.5	60°	352.5	348.7	327.5	321.2	361.2	588.7	2174.8	9084.0	13633.5	16179.5
256.2	62.5°	301.2	306.2	295.0	286.2	328.7	611.2	1288.6	8460.3	13316.0	17319.4
198.7	65°	237.5	257.5	255.0	248.7	361.2	514.9	761.2	7263.0	12342.4	16399.5
173.7	67.5°	202.5	216.2	212.5	212.5	378.7	391.2	478.7	5674.4	11002.5	15308.3
145.0	70°	172.5	186.2	172.5	172.5	286.2	237.5	331.2	3962.1	9556.5	14101.0
116.2	72.5°	142.5	156.2	141.2	131.2	228.7	177.5	242.5	2476.0	8184.1	12843.6
82.5	75°	108.7	125.0	113.7	101.2	151.2	132.5	183.7	1438.6	6780.5	10988.8
50.0	77.5°	68.7	90.0	85.0	71.2	111.2	96.2	132.5	856.2	5231.9	8586.6
30.0	80°	42.5	46.2	47.5	45.0	63.7	65.0	90.0	487.4	3580.9	5984.3
18.7	82.5°	27.5	27.5	21.2	23.7	31.2	37.5	51.2	183.7	2104.8	3643.4
11.2	85°	20.0	17.5	11.2	11.2	15.0	18.7	20.0	56.2	853.7	1438.6
5.0	87.5°	10.0	8.7	3.7	5.0	7.5	6.2	5.0	2.5	215.0	459.9
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°
2512.2	0°	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2	2512.2
2883.4	2.5°	2908.4	2947.2	2949.7	2949.7	2915.9	2914.7	2845.9	2838.4
3308.4	5°	3424.6	3449.6	3455.9	3443.4	3375.9	3325.9	3192.2	3163.4
3742.1	7.5°	3897.1	3947.1	3947.1	3917.1	3807.1	3704.6	3510.9	3438.4
4100.8	10°	4274.5	4332.0	4319.5	4258.3	4119.5	3978.3	3743.3	3648.4
4318.3	12.5°	4458.3	4517.0	4484.5	4414.5	4279.5	4130.8	3883.3	3775.8
4380.8	15°	4454.5	4438.3	4404.5	4395.8	4330.8	4218.3	3987.1	3869.6
4342.0	17.5°	4295.8	4158.3	4132.0	4219.5	4302.0	4274.5	4077.1	3967.1
4249.5	20°	4044.6	3804.6	3780.8	3948.3	4183.3	4303.3	4160.8	4059.6
4115.8	22.5°	3779.6	3520.9	3465.9	3650.9	4004.6	4312.0	4267.0	4165.8
3968.3	25°	3528.4	3268.4	3213.4	3385.9	3805.8	4297.0	4382.0	4295.8
3827.1	27.5°	3318.4	3067.2	3015.9	3188.4	3614.6	4254.5	4497.0	4435.8
3687.1	30°	3155.9	2923.4	2885.9	3052.2	3449.6	4202.0	4643.2	4609.5
3557.1	32.5°	3060.9	2890.9	2904.7	3040.9	3360.9	4144.5	4783.2	4799.5
3493.4	35°	3154.7	3162.2	3282.1	3338.4	3443.4	4135.8	4973.2	5036.9
3569.6	37.5°	3620.9	3880.8	4129.5	4083.3	3847.1	4237.0	5256.9	5375.7
3902.1	40°	4414.5	4948.2	5351.9	5175.7	4580.7	4547.0	5665.6	5843.1
4492.0	42.5°	5384.4	6289.3	6954.2	6481.8	5526.9	5089.4	6249.3	6475.5
5205.7	45°	6408.0	7942.9	8990.3	8007.9	6535.5	5849.4	7133.0	7310.4
5874.4	47.5°	7486.7	9952.7	11307.5	9700.2	7470.4	6714.3	8337.8	8379.1
6508.0	50°	8666.6	12156.2	13669.8	11391.3	8372.8	7705.4	9810.2	9762.7
7246.7	52.5°	9790.2	14422.2	15982.0	13089.8	9165.2	8935.3	11518.7	11421.2
8256.6	55°	10862.6	16686.9	18308.0	14722.1	9912.7	10560.1	13548.5	12958.6
9712.7	57.5°	12106.2	18723.0	20705.2	16362.0	10957.6	12669.9	15818.3	13851.0
12501.1	60°	13944.7	21036.4	23416.2	18609.2	12944.8	14887.1	16631.9	13681.0
15840.8	62.5°	16292.0	23163.7	25387.2	20811.5	14940.9	15304.6	15433.3	12371.1
15159.6	65°	16748.2	23702.4	25498.5	21400.2	14683.4	12982.3	12599.9	9943.9
13541.0	67.5°	15538.3	22728.8	23943.6	20304.0	12988.6	10032.7	9455.2	7214.2
12478.6	70°	14180.9	20872.7	21233.9	18440.5	11423.7	7379.2	6385.6	4629.5
11751.2	72.5°	12789.8	18396.7	17649.3	16014.5	10040.2	5373.2	4605.7	3290.9
10715.1	75°	11137.5	15140.8	13902.2	13306.0	8312.8	4217.0	3332.1	2271.0
9216.5	77.5°	8919.0	10657.6	10326.4	10313.9	6246.8	3080.9	2223.5	1423.6
7200.5	80°	6291.8	6916.7	6748.0	7767.9	4190.8	2234.8	1338.6	792.4
5012.0	82.5°	3045.9	3824.6	3925.8	4625.7	2038.5	1314.9	308.7	172.5
1959.8	85°	1192.4	1844.8	1556.1	1756.1	572.4	366.2	7.5	0.0
322.5	87.5°	133.7	213.7	196.2	155.0	70.0	15.0	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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