

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: P952569

Luminaire Tested: **GALN-SB6B-850-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952569
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-850-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 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: 24928 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

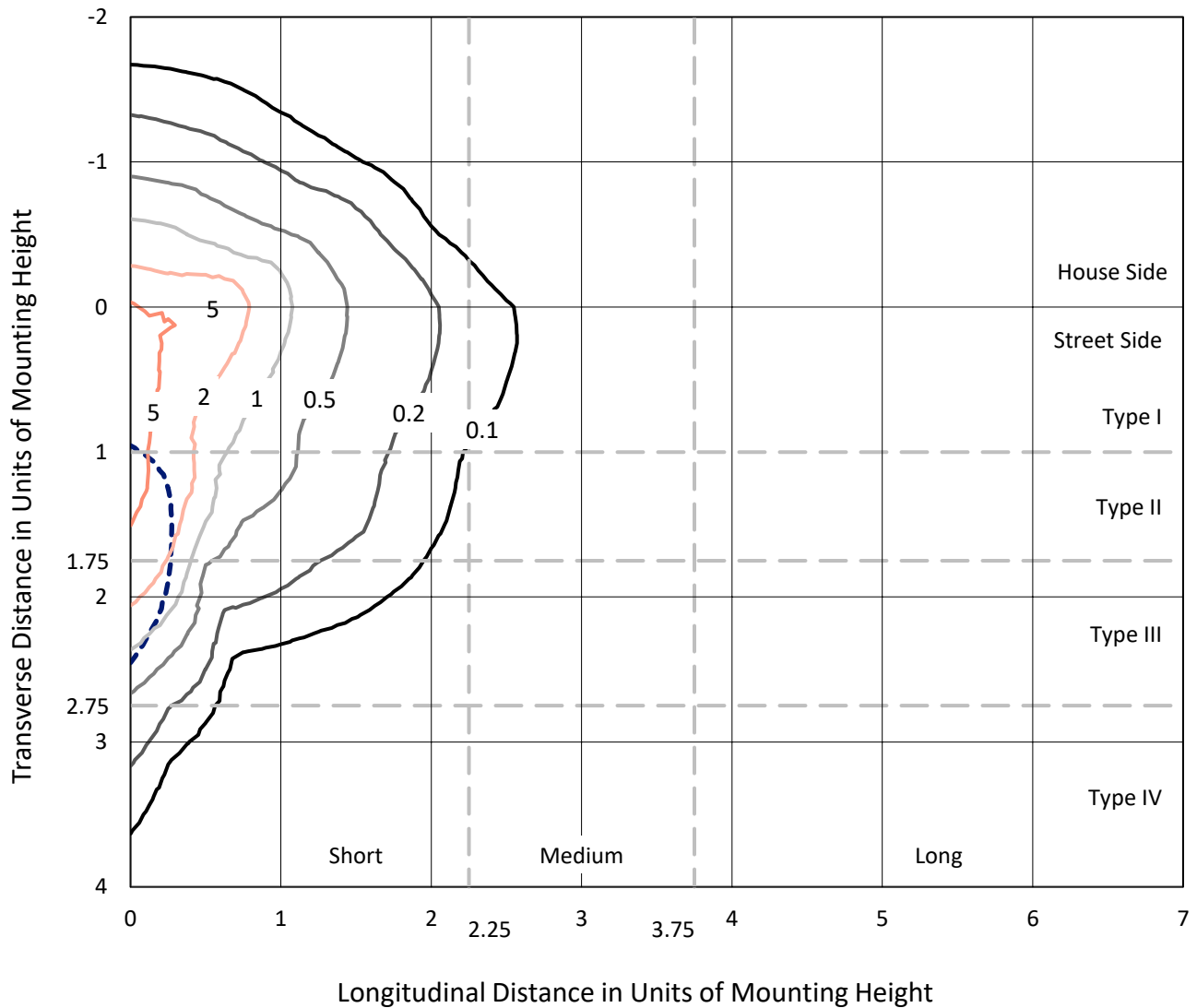
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

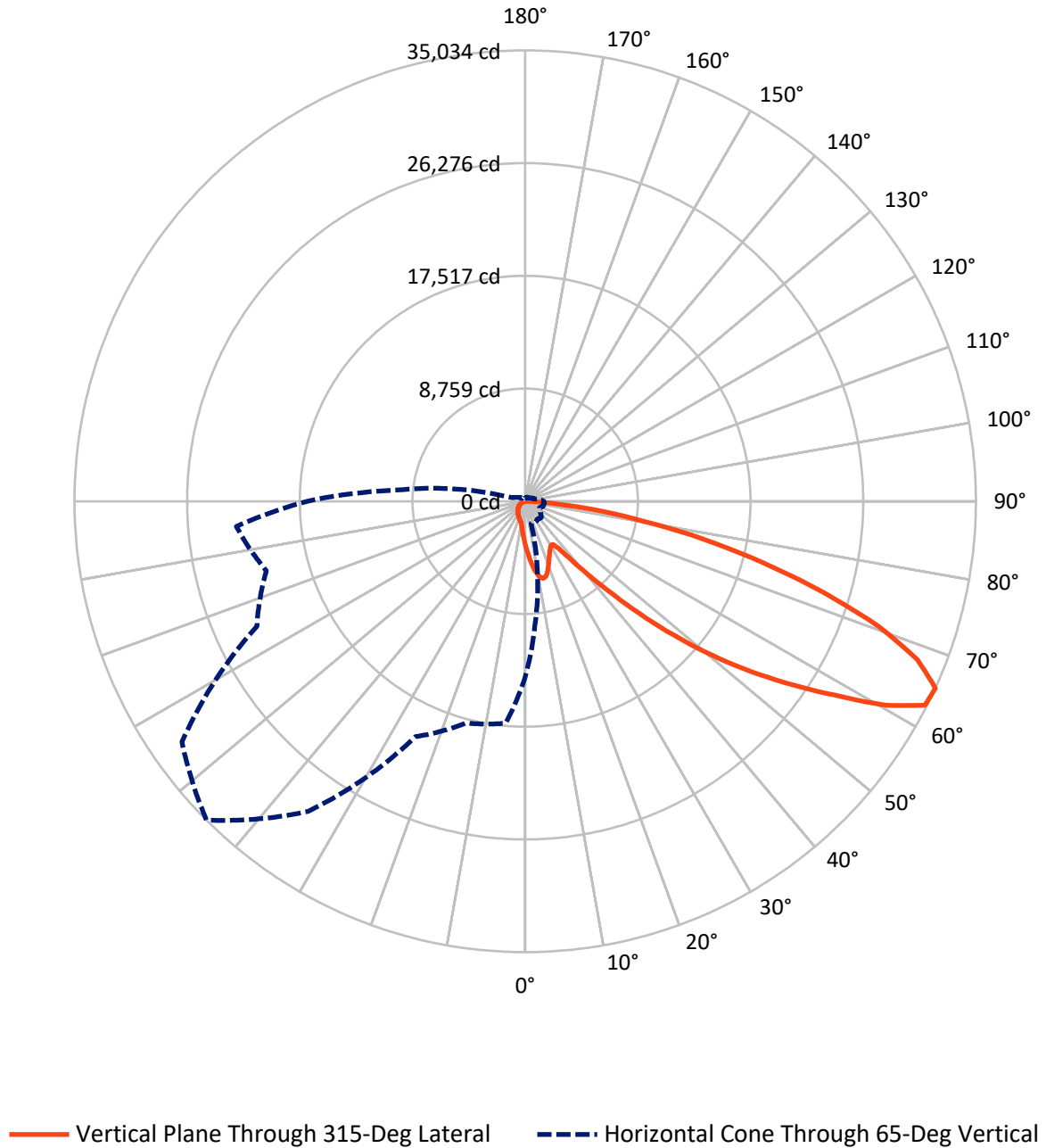
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	3491.0	0.0	3491.0
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	21437.0	0.0	21437.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	24928.0	0.0	24928.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.8	1.4
10°-20°	1018.7	4.1
20°-30°	1500.8	6.0
30°-40°	1928.1	7.7
40°-50°	3118.3	12.5
50°-60°	5468.3	21.9
60°-70°	6842.3	27.4
70°-80°	3998.3	16.0
80°-90°	713.4	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°	24928.0	100.0
0°-180°	24928.0	100.0

Coefficient of Utilization



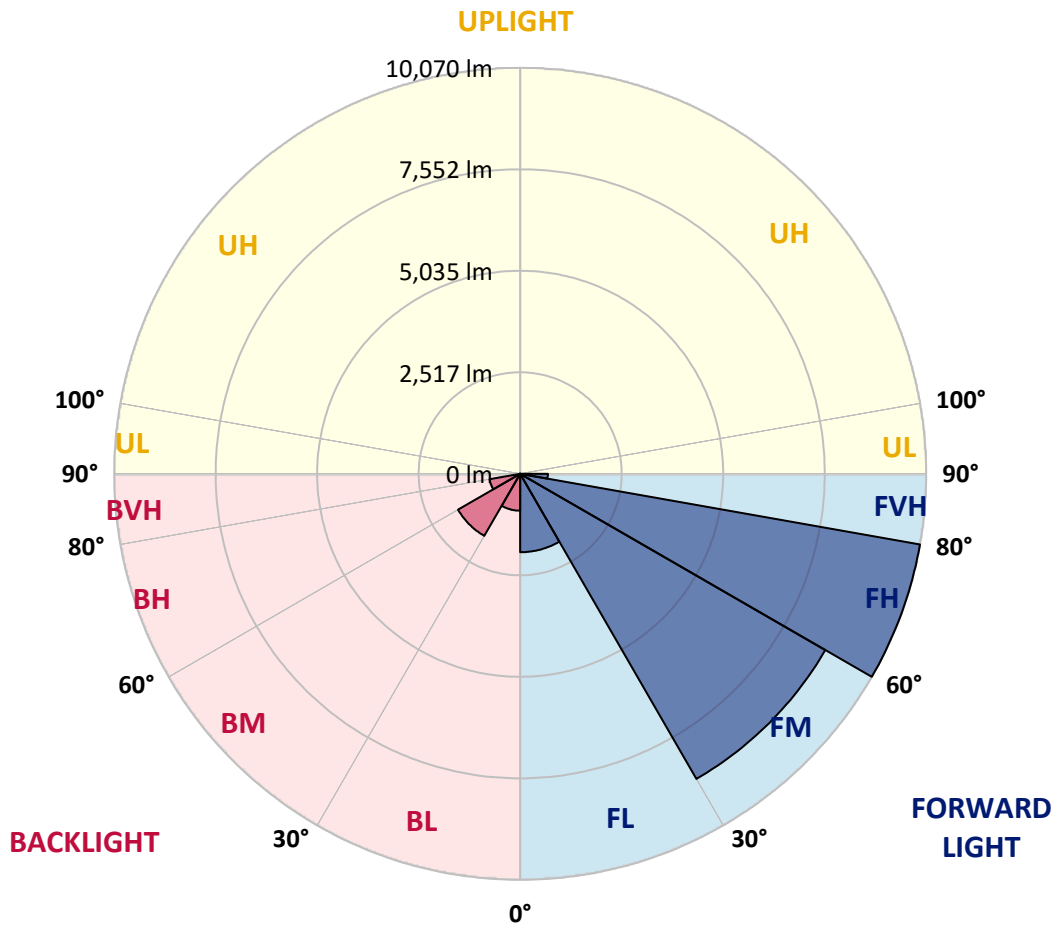
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1944.3	7.8			
FM (30°-60°)	8737.0	35.0			
FH (60°-80°)	10069.8	40.4			G4/12000
FVH (80°-90°)	686.0	2.8			G4/750
BL (0°-30°)	915.0	3.7	B2/1000		
BM (30°-60°)	1777.7	7.1	B2/2500		
BH (60°-80°)	770.8	3.1	B2/1000		G2/1000
BVH (80°-90°)	27.4	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°	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7
2.5°	3899.9	3833.0	3793.5	3695.6	3597.7	3518.7	3412.2	3341.8	3257.7	3177.0
5°	4346.4	4238.2	4107.7	3929.1	3766.0	3599.4	3438.0	3278.3	3110.0	2955.4
7.5°	4724.2	4568.0	4337.8	4100.9	3893.1	3692.1	3503.2	3292.0	3087.7	2845.5
10°	5012.7	4813.5	4511.3	4200.5	3961.8	3759.1	3575.4	3396.8	3190.7	2898.8
12.5°	5187.9	4975.0	4616.0	4252.0	3978.9	3752.3	3609.7	3530.7	3450.0	3159.8
15°	5316.7	5086.6	4689.9	4288.0	3939.4	3661.2	3556.5	3635.5	3728.2	3542.7
17.5°	5450.6	5208.5	4786.1	4303.5	3833.0	3484.4	3439.7	3644.1	3858.7	3850.1
20°	5577.7	5337.3	4870.2	4293.2	3661.2	3269.7	3309.2	3570.2	3819.2	3924.0
22.5°	5723.7	5469.5	4950.9	4253.7	3438.0	3068.8	3192.4	3453.4	3671.5	3795.2
25°	5902.3	5636.1	5064.3	4195.3	3197.6	2902.2	3073.9	3317.8	3494.7	3580.5
27.5°	6094.6	5835.3	5215.4	4164.4	3003.5	2783.7	2940.0	3156.4	3314.3	3374.5
30°	6333.3	6067.1	5394.0	4130.1	2876.4	2715.0	2800.9	2969.2	3123.7	3183.8
32.5°	6594.4	6324.7	5565.7	4047.6	2799.2	2663.5	2665.2	2771.7	2912.5	2984.6
35°	6920.6	6633.8	5749.4	3867.3	2737.3	2603.4	2533.0	2584.5	2701.3	2787.1
37.5°	7386.0	7039.1	5974.4	3609.7	2646.3	2510.7	2393.9	2405.9	2495.2	2589.7
40°	8028.3	7583.5	6238.9	3341.8	2515.8	2380.1	2241.0	2235.9	2301.2	2393.9
42.5°	8897.2	8303.0	6556.6	3085.9	2390.5	2222.2	2079.6	2071.0	2122.6	2203.3
45°	10044.4	9223.5	6946.4	2866.1	2292.6	2067.6	1926.8	1923.4	1966.3	2036.7
47.5°	11512.6	10502.9	7336.2	2716.7	2241.0	1945.7	1801.4	1808.3	1846.1	1909.6
50°	13413.7	12170.4	7454.7	2641.2	2241.0	1880.4	1689.8	1724.1	1755.1	1803.1
52.5°	15692.5	13770.9	7063.2	2572.5	2254.8	1889.0	1595.4	1669.2	1691.5	1732.7
55°	17804.7	14555.7	6072.3	2478.0	2258.2	1942.2	1514.6	1624.5	1665.8	1681.2
57.5°	19030.9	14286.0	4909.7	2318.3	2244.5	1978.3	1463.1	1569.6	1648.6	1658.9
60°	18797.3	13339.8	3614.9	2196.4	2143.2	1964.6	1447.7	1485.4	1610.8	1626.3
62.5°	16997.6	11753.1	2508.9	2101.9	1919.9	1904.5	1442.5	1353.2	1528.4	1566.2
65°	13662.7	9252.7	1772.2	1810.0	1682.9	1773.9	1415.0	1215.8	1428.8	1480.3
67.5°	9912.1	6261.2	1279.4	1466.6	1524.9	1562.7	1353.2	1116.2	1315.4	1384.1
70°	6360.8	3381.3	898.1	968.5	1284.5	1327.5	1246.7	1026.9	1200.4	1279.4
72.5°	4521.6	1997.2	645.7	678.3	1032.1	1105.9	1097.3	927.3	1066.4	1162.6
75°	3120.3	1100.8	436.2	484.3	748.7	898.1	846.6	796.8	903.3	1001.2
77.5°	1956.0	492.9	261.0	336.6	491.1	705.8	580.4	616.5	704.1	795.1
80°	1088.8	190.6	146.0	223.2	267.9	513.5	321.1	396.7	518.6	583.9
82.5°	237.0	24.0	65.3	96.2	104.8	298.8	170.0	230.1	326.3	321.1
85°	0.0	0.0	12.0	13.7	6.9	128.8	61.8	75.6	106.5	99.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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°
3451.7	0°	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7
3104.8	2.5°	3091.1	3007.0	2945.1	2914.2	2888.5	2912.5	2926.2	2926.2	2984.6	3019.0
2861.0	5°	2800.9	2649.8	2534.7	2457.4	2411.1	2426.5	2443.7	2462.6	2536.4	2586.2
2716.7	7.5°	2600.0	2368.1	2193.0	2084.8	2028.1	2036.7	2048.7	2064.2	2136.3	2186.1
2737.3	10°	2562.2	2229.0	1981.7	1839.2	1770.5	1758.5	1751.6	1746.5	1789.4	1827.2
2970.9	12.5°	2716.7	2235.9	1890.7	1717.3	1633.1	1597.1	1555.9	1523.2	1530.1	1554.1
3324.7	15°	2993.2	2323.5	1861.5	1653.7	1549.0	1488.9	1440.8	1401.3	1392.7	1401.3
3633.8	17.5°	3309.2	2442.0	1858.1	1598.8	1468.3	1406.5	1367.0	1330.9	1318.9	1320.6
3807.2	20°	3518.7	2536.4	1847.8	1537.0	1391.0	1336.0	1301.7	1265.6	1253.6	1257.0
3759.1	22.5°	3539.3	2586.2	1832.3	1468.3	1313.7	1267.4	1233.0	1200.4	1198.7	1198.7
3578.8	25°	3427.7	2586.2	1799.7	1406.5	1239.9	1198.7	1167.7	1128.3	1135.1	1138.6
3374.5	27.5°	3254.2	2524.4	1737.9	1356.7	1176.3	1133.4	1102.5	1066.4	1075.0	1080.2
3183.8	30°	3082.5	2445.4	1664.0	1300.0	1116.2	1066.4	1044.1	1013.2	1016.6	1023.5
2994.9	32.5°	2922.8	2361.3	1576.5	1253.6	1056.1	1006.3	989.2	954.8	960.0	966.8
2809.5	35°	2764.8	2268.5	1473.4	1198.7	1001.2	951.4	937.6	898.1	901.6	911.9
2624.0	37.5°	2594.8	2170.6	1389.3	1143.7	947.9	896.4	882.7	841.5	844.9	856.9
2431.7	40°	2416.2	2074.5	1306.8	1085.3	891.3	839.7	827.7	783.1	786.5	800.3
2242.8	42.5°	2235.9	1969.7	1243.3	1009.8	832.9	777.9	765.9	724.7	729.8	745.3
2077.9	45°	2069.3	1844.4	1202.1	925.6	777.9	716.1	704.1	666.3	676.6	693.8
1938.8	47.5°	1926.8	1715.6	1184.9	855.2	719.5	652.6	642.3	611.4	628.5	647.4
1820.3	50°	1804.9	1591.9	1162.6	783.1	664.6	597.6	587.3	566.7	589.0	607.9
1739.6	52.5°	1717.3	1451.1	1114.5	717.8	616.5	551.2	547.8	537.5	558.1	575.3
1679.5	55°	1641.7	1305.1	1037.2	661.2	573.6	511.7	515.2	510.0	527.2	540.9
1643.4	57.5°	1573.0	1178.1	939.4	616.5	527.2	477.4	487.7	480.8	489.4	498.0
1605.7	60°	1490.6	1049.3	822.6	566.7	472.3	443.1	455.1	436.2	434.5	437.9
1537.0	62.5°	1368.7	875.8	700.6	504.9	424.2	405.3	410.4	374.4	346.9	346.9
1435.6	65°	1198.7	704.1	587.3	436.2	369.2	353.8	350.3	298.8	261.0	257.6
1325.7	67.5°	1001.2	578.7	487.7	367.5	307.4	297.1	300.5	262.7	225.0	221.5
1215.8	70°	815.7	479.1	393.3	293.7	237.0	247.3	262.7	225.0	188.9	183.7
1087.0	72.5°	662.9	381.2	307.4	225.0	175.2	204.4	223.2	183.7	149.4	146.0
927.3	75°	511.7	279.9	219.8	152.8	127.1	158.0	175.2	133.9	106.5	101.3
717.8	77.5°	341.7	173.4	123.6	96.2	75.6	108.2	116.8	70.4	61.8	60.1
522.1	80°	207.8	80.7	53.2	46.4	25.8	39.5	46.4	29.2	32.6	34.3
278.2	82.5°	104.8	22.3	8.6	1.7	0.0	0.0	13.7	6.9	13.7	17.2
75.6	85°	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	8.6
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°
3451.7	0°	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7
3032.7	2.5°	3128.9	3201.0	3269.7	3379.6	3492.9	3604.6	3717.9	3827.8	3867.3	3896.5
2618.9	5°	2768.3	2903.9	3061.9	3280.0	3513.6	3754.0	3997.8	4221.1	4322.4	4391.1
2229.0	7.5°	2395.6	2572.5	2799.2	3127.2	3492.9	3875.9	4258.9	4610.9	4774.0	4906.3
1861.5	10°	2026.4	2218.7	2505.5	2879.9	3374.5	3924.0	4452.9	4937.2	5148.4	5315.0
1597.1	12.5°	1701.8	1882.1	2182.7	2596.5	3189.0	3886.2	4564.5	5146.7	5395.7	5582.9
1408.2	15°	1473.4	1600.5	1866.7	2313.2	2969.2	3764.3	4571.4	5246.3	5519.3	5715.1
1329.2	17.5°	1346.3	1389.3	1562.7	2024.7	2725.3	3604.6	4507.9	5280.6	5572.6	5754.6
1258.8	20°	1277.7	1284.5	1332.6	1650.3	2412.8	3455.2	4447.8	5315.0	5622.4	5775.2
1209.0	22.5°	1222.7	1222.7	1234.7	1349.8	2009.2	3276.6	4428.9	5375.1	5691.1	5785.5
1152.3	25°	1172.9	1172.9	1176.3	1207.2	1591.9	3003.5	4416.8	5467.8	5785.5	5811.3
1095.6	27.5°	1121.4	1123.1	1123.1	1140.3	1282.8	2632.6	4365.3	5588.0	5898.9	5845.6
1040.7	30°	1069.9	1073.3	1073.3	1085.3	1135.1	2198.1	4264.0	5732.3	6046.5	5890.3
985.7	32.5°	1018.3	1021.8	1021.8	1032.1	1068.1	1755.1	4136.9	5864.5	6195.9	5909.2
932.5	35°	965.1	970.3	966.8	980.6	1018.3	1396.1	3975.5	5996.7	6357.4	5969.3
881.0	37.5°	911.9	915.3	913.6	927.3	970.3	1205.5	3788.3	6096.3	6577.2	6103.2
826.0	40°	858.6	856.9	856.9	872.4	918.7	1150.6	3553.0	6254.3	6893.2	6338.5
771.1	42.5°	803.7	803.7	800.3	817.4	874.1	1109.4	3328.1	6537.7	7353.4	6712.8
719.5	45°	753.9	752.2	745.3	760.8	831.2	1037.2	3249.1	7066.6	8033.4	7319.0
668.0	47.5°	705.8	704.1	686.9	700.6	779.6	972.0	3544.5	7932.1	8976.2	8210.3
626.8	50°	662.9	664.6	632.0	644.0	728.1	922.2	4185.0	9055.2	10228.1	9410.7
592.5	52.5°	623.4	623.4	580.4	587.3	664.6	877.5	4794.6	10272.8	11880.1	11085.0
556.4	55°	583.9	580.4	532.4	535.8	601.0	814.0	4885.7	11461.1	14133.2	13604.3
516.9	57.5°	539.2	532.4	487.7	487.7	542.7	767.6	4234.8	12374.7	16928.9	17306.7
443.1	60°	484.3	479.1	449.9	441.3	496.3	808.8	2988.1	12481.2	18732.1	22230.2
352.0	62.5°	413.9	420.7	405.3	393.3	451.6	839.7	1770.5	11624.3	18295.9	23796.3
273.0	65°	326.3	353.8	350.3	341.7	496.3	707.5	1045.8	9979.1	16958.1	22532.4
238.7	67.5°	278.2	297.1	291.9	291.9	520.3	537.5	657.7	7796.4	15117.2	21033.2
199.2	70°	237.0	255.9	237.0	237.0	393.3	326.3	455.1	5443.8	13130.3	19374.3
159.7	72.5°	195.8	214.7	194.1	180.3	314.3	243.9	333.2	3401.9	11244.7	17646.8
113.3	75°	149.4	171.7	156.3	139.1	207.8	182.0	252.4	1976.6	9316.2	15098.3
68.7	77.5°	94.5	123.6	116.8	97.9	152.8	132.2	182.0	1176.3	7188.5	11797.7
41.2	80°	58.4	63.5	65.3	61.8	87.6	89.3	123.6	669.7	4920.0	8222.3
25.8	82.5°	37.8	37.8	29.2	32.6	42.9	51.5	70.4	252.4	2891.9	5005.9
15.5	85°	27.5	24.0	15.5	15.5	20.6	25.8	27.5	77.3	1172.9	1976.6
6.9	87.5°	13.7	12.0	5.2	6.9	10.3	8.6	6.9	3.4	295.4	632.0
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):

285°		295°	305°	315°	325°	335°	345°	355°	360°
3451.7	0°	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7	3451.7
3961.8	2.5°	3996.1	4049.3	4052.8	4052.8	4006.4	4004.7	3910.2	3899.9
4545.6	5°	4705.3	4739.7	4748.3	4731.1	4638.4	4569.7	4385.9	4346.4
5141.5	7.5°	5354.5	5423.2	5423.2	5382.0	5230.8	5090.0	4823.8	4724.2
5634.4	10°	5873.1	5952.1	5934.9	5850.8	5660.2	5466.1	5143.2	5012.7
5933.2	12.5°	6125.5	6206.2	6161.6	6065.4	5880.0	5675.6	5335.6	5187.9
6019.1	15°	6120.4	6098.1	6051.7	6039.7	5950.4	5795.8	5478.1	5316.7
5965.8	17.5°	5902.3	5713.4	5677.3	5797.5	5910.9	5873.1	5601.8	5450.6
5838.7	20°	5557.1	5227.4	5194.8	5424.9	5747.7	5912.6	5716.8	5577.7
5655.0	22.5°	5193.1	4837.6	4762.0	5016.2	5502.2	5924.6	5862.8	5723.7
5452.4	25°	4847.9	4490.7	4415.1	4652.1	5229.1	5904.0	6020.8	5902.3
5258.3	27.5°	4559.4	4214.2	4143.8	4380.8	4966.4	5845.6	6178.8	6094.6
5066.0	30°	4336.1	4016.7	3965.2	4193.6	4739.7	5773.5	6379.7	6333.3
4887.4	32.5°	4205.6	3972.1	3991.0	4178.1	4617.8	5694.5	6572.0	6594.4
4799.8	35°	4334.4	4344.7	4509.6	4586.9	4731.1	5682.5	6833.1	6920.6
4904.5	37.5°	4975.0	5332.2	5673.9	5610.3	5285.8	5821.6	7222.9	7386.0
5361.3	40°	6065.4	6798.7	7353.4	7111.3	6293.8	6247.5	7784.4	8028.3
6171.9	42.5°	7398.0	8641.3	9554.9	8905.8	7593.8	6992.8	8586.4	8897.2
7152.5	45°	8804.5	10913.3	12352.4	11002.6	8979.7	8036.9	9800.5	10044.4
8071.2	47.5°	10286.5	13674.7	15536.2	13327.8	10264.2	9225.2	11456.0	11512.6
8941.9	50°	11907.6	16702.3	18781.9	15651.3	11504.1	10587.0	13478.9	13413.7
9956.8	52.5°	13451.4	19815.7	21958.8	17985.1	12592.8	12276.8	15826.4	15692.5
11344.3	55°	14924.9	22927.4	25154.7	20227.8	13619.7	14509.3	18615.3	17804.7
13345.0	57.5°	16633.6	25724.8	28448.4	22480.9	15055.4	17408.1	21733.9	19030.9
17176.2	60°	19159.7	28903.5	32173.2	25568.6	17785.9	20454.5	22851.8	18797.3
21764.8	62.5°	22384.7	31826.3	34881.4	28594.4	20528.4	21028.1	21205.0	16997.6
20828.9	65°	23011.5	32566.5	35034.2	29403.2	20174.6	17837.4	17311.9	13662.7
18605.0	67.5°	21349.2	31228.7	32897.9	27897.2	17846.0	13784.6	12991.2	9912.1
17145.3	70°	19484.2	28678.6	29174.8	25336.7	15695.9	10138.8	8773.6	6360.8
16145.9	72.5°	17572.9	25276.6	24249.7	22003.5	13794.9	7382.6	6328.2	4521.6
14722.2	75°	15302.7	20803.1	19101.3	18282.1	11421.6	5794.1	4578.3	3120.3
12663.2	77.5°	12254.5	14643.2	14188.2	14171.0	8583.0	4233.1	3055.0	1956.0
9893.2	80°	8644.8	9503.4	9271.6	10672.9	5758.0	3070.5	1839.2	1088.8
6886.3	82.5°	4185.0	5254.9	5394.0	6355.6	2800.9	1806.6	424.2	237.0
2692.7	85°	1638.3	2534.7	2138.0	2412.8	786.5	503.2	10.3	0.0
443.1	87.5°	183.7	293.7	269.6	212.9	96.2	20.6	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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