

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: P526545

Luminaire Tested: **GALN-SA1C-730-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526545  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1C-730-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3581 lumens  
Efficiency: N/A  
Efficacy: 62.8 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

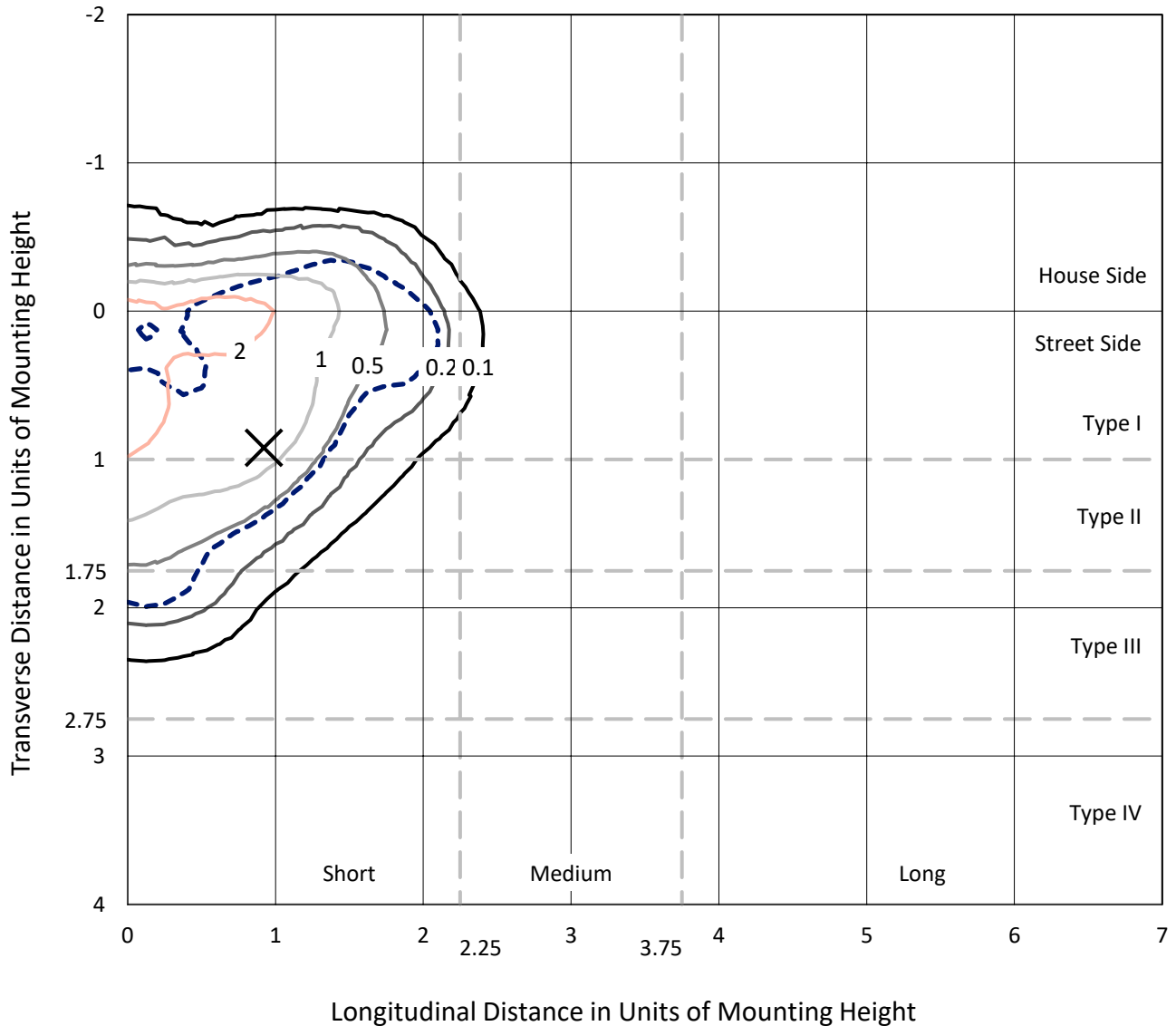
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

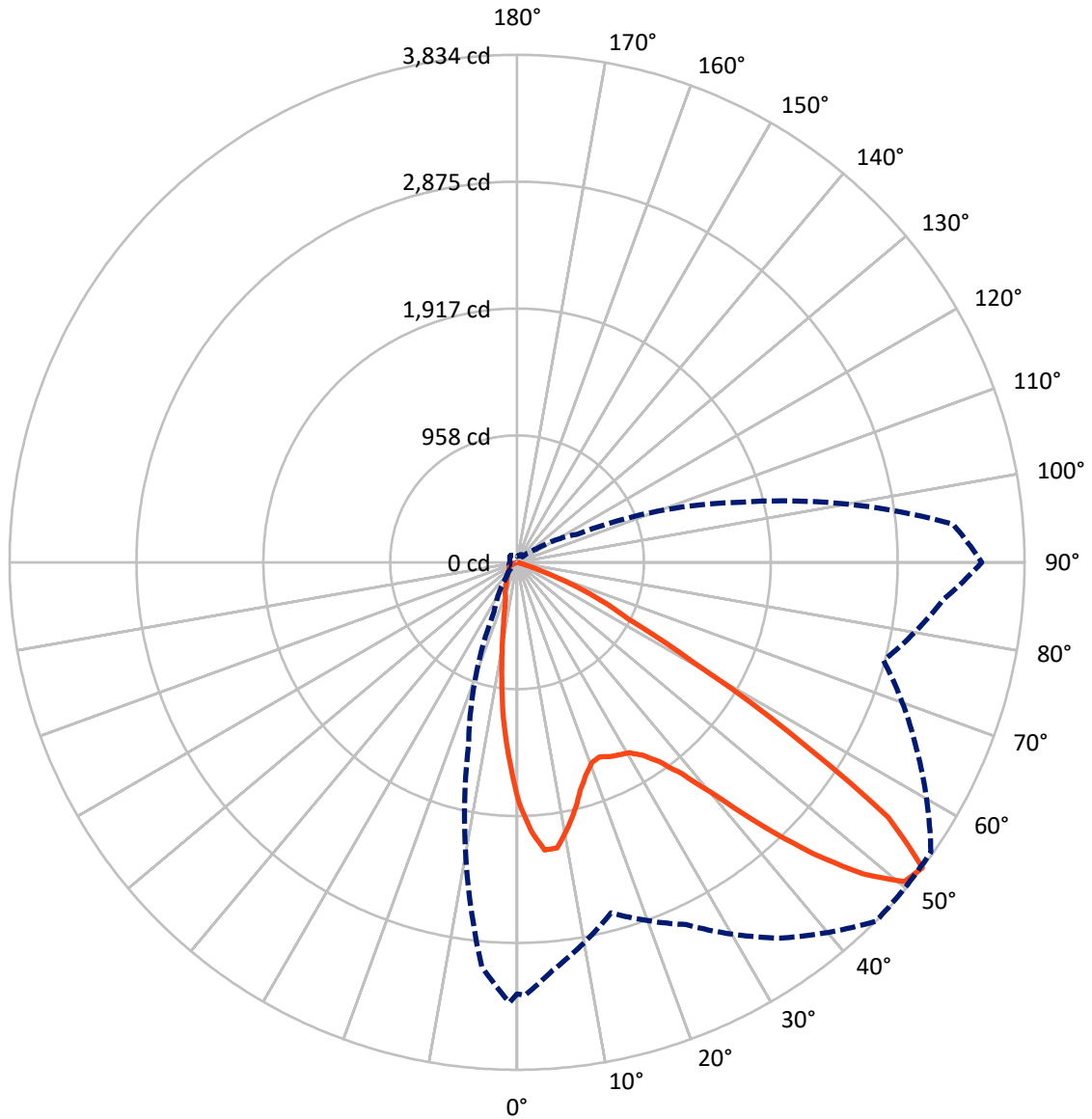
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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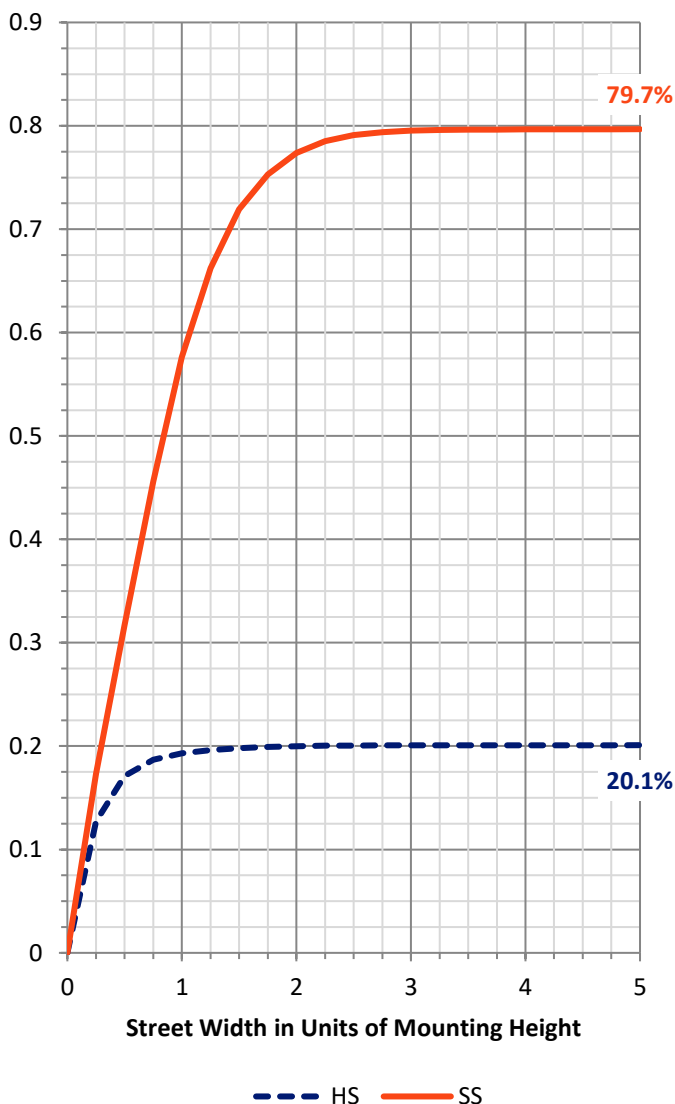
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	726.8	0.0	726.8
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	2854.2	0.0	2854.2
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	3581.0	0.0	3581.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.4	3.7
10°-20°	261.3	7.3
20°-30°	397.6	11.1
30°-40°	594.2	16.6
40°-50°	846.3	23.6
50°-60°	909.7	25.4
60°-70°	403.1	11.3
70°-80°	32.6	0.9
80°-90°	3.8	0.1
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°	3581.0	100.0
0°-180°	3581.0	100.0

**Coefficient of Utilization**

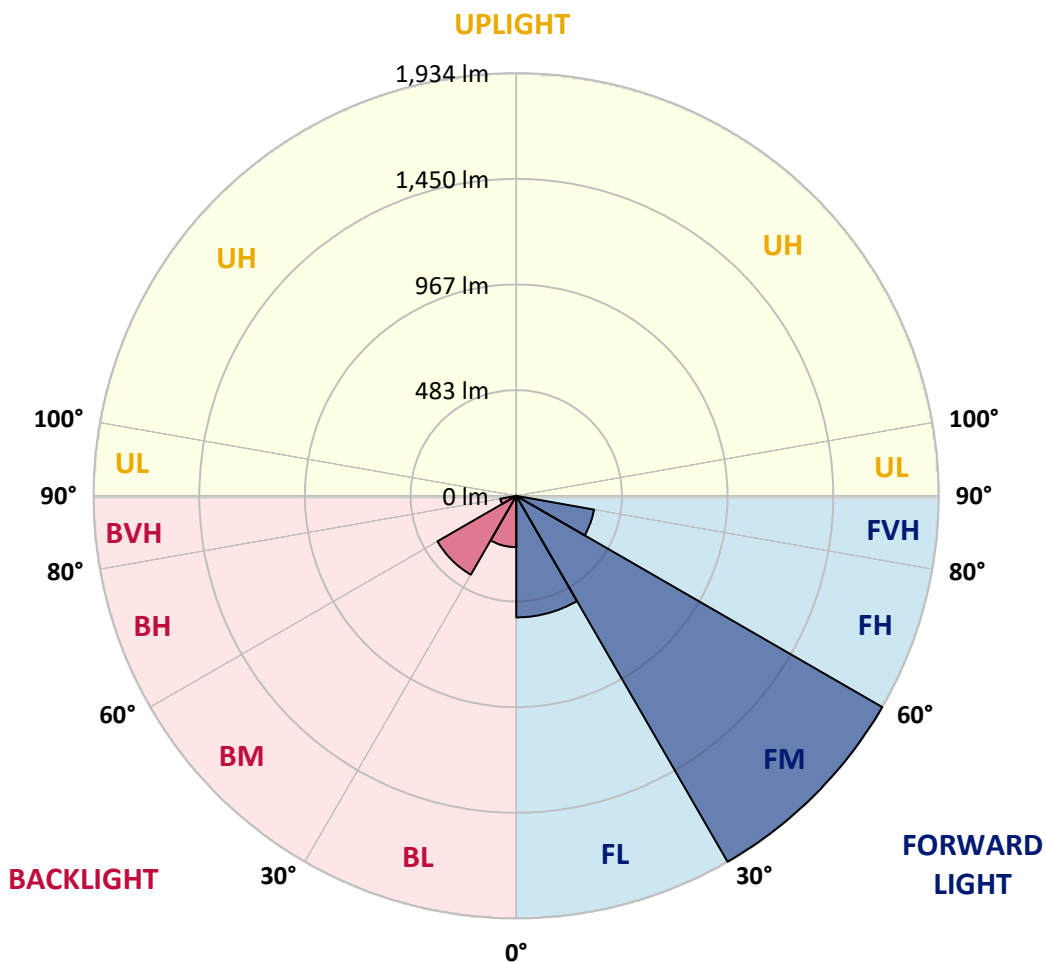


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.2	15.5			
FM (30°-60°)	1933.8	54.0			
FH (60°-80°)	361.4	10.1			G0/660
FVH (80°-90°)	2.8	0.1			G0/10
BL (0°-30°)	235.1	6.6	B1/500		
BM (30°-60°)	416.4	11.6	B1/1000		
BH (60°-80°)	74.4	2.1	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			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°	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7
2.5°	1921.4	1927.0	1958.0	1996.7	2017.2	2063.7	2031.3	2039.7	2022.1	1960.1	1911.5
5°	1862.9	1862.2	1901.7	1997.4	2088.3	2180.6	2183.4	2134.1	2047.5	1952.4	1816.4
7.5°	1686.8	1714.3	1755.2	1908.0	2076.3	2145.4	2178.5	2120.7	1987.6	1851.7	1704.5
10°	1553.7	1567.8	1636.8	1821.4	1944.6	2036.9	2057.3	2024.2	1922.1	1752.3	1587.5
12.5°	1477.0	1484.0	1565.0	1719.9	1850.2	1918.6	1928.4	1943.9	1870.7	1711.5	1513.6
15°	1477.7	1483.3	1592.5	1722.1	1773.5	1755.2	1787.6	1786.9	1818.6	1703.7	1575.6
17.5°	1584.0	1590.4	1689.0	1753.0	1730.5	1687.5	1685.4	1717.8	1784.7	1800.2	1669.2
20°	1767.1	1781.9	1854.5	1850.9	1724.2	1637.5	1613.6	1638.2	1793.9	1881.9	1858.0
22.5°	2013.6	2034.1	2084.8	1987.6	1753.0	1603.7	1596.0	1643.9	1854.5	2064.4	2072.1
25°	2299.6	2334.1	2358.8	2234.1	1855.9	1662.2	1625.6	1708.0	1936.2	2262.3	2344.7
27.5°	2489.1	2525.0	2519.3	2341.2	1924.9	1677.7	1646.7	1723.5	2007.3	2309.5	2486.9
30°	2637.0	2658.8	2698.2	2398.9	1993.9	1721.4	1668.5	1789.0	2030.6	2391.2	2658.8
32.5°	2809.5	2824.3	2827.1	2501.0	2100.3	1776.3	1736.1	1870.7	2133.4	2469.3	2810.9
35°	2983.5	3005.3	2959.5	2627.1	2165.8	1878.4	1848.8	2012.2	2215.8	2550.3	2978.6
37.5°	3172.3	3183.5	3077.9	2679.2	2259.5	2044.6	2028.4	2165.1	2358.8	2696.8	3164.5
40°	3330.7	3341.3	3203.9	2743.3	2358.1	2277.1	2318.6	2456.7	2553.2	2791.9	3257.5
42.5°	3418.8	3443.4	3246.2	2708.1	2556.0	2540.5	2725.0	2773.6	2778.5	2818.7	3340.6
45°	3442.7	3431.4	3176.5	2737.0	2729.2	2973.6	3141.3	3205.4	3002.5	2868.0	3361.7
47.5°	3332.1	3346.9	3073.6	2711.6	2956.7	3301.8	3518.8	3637.8	3169.4	2825.0	3309.6
50°	3242.7	3223.7	3040.5	2693.3	3018.0	3456.8	3791.3	3818.1	3323.0	2877.8	3252.5
52.5°	3260.3	3272.3	3093.4	2741.9	3019.4	3466.0	3833.6	3815.3	3327.9	2865.9	3232.1
55°	3297.6	3244.8	3070.8	2634.9	2817.3	3210.3	3402.6	3374.4	3071.5	2738.4	3182.1
57.5°	2845.4	2927.1	2823.6	2352.4	2312.3	2418.6	2415.1	2501.7	2291.1	2356.7	2896.9
60°	2309.5	2323.5	2362.3	2012.2	1600.2	1563.6	1512.9	1457.9	1541.8	2015.1	2634.9
62.5°	2031.3	2014.4	2152.4	1830.5	1129.7	945.9	937.4	971.3	1189.6	1922.1	2471.5
65°	1476.3	1497.4	1597.4	1420.6	848.0	721.9	709.2	809.3	962.8	1540.3	1886.2
67.5°	901.5	942.4	951.5	876.2	575.4	457.1	438.8	529.6	695.2	996.6	1105.8
70°	416.3	465.6	512.0	478.2	333.1	188.1	177.5	222.6	350.8	573.3	586.7
72.5°	126.1	126.8	177.5	185.2	107.8	42.3	37.3	49.3	119.0	189.5	199.3
75°	9.2	9.9	23.9	27.5	20.4	10.6	11.3	13.4	25.4	42.3	31.7
77.5°	0.7	0.7	0.7	3.5	6.3	7.0	9.2	10.6	13.4	15.5	14.1
80°	0.7	0.0	0.7	2.8	4.9	7.0	8.5	9.9	10.6	12.0	10.6
82.5°	0.0	0.0	0.0	2.1	4.9	7.0	7.7	10.6	12.0	14.1	12.0
85°	0.0	0.0	0.0	2.1	4.9	7.7	7.0	3.5	0.0	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°	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7
2.5°	1920.0	1892.5	1829.8	1798.1	1723.5	1712.9	1639.7	1627.7	1603.0	1589.6	1557.2
5°	1756.6	1723.5	1621.3	1535.4	1435.4	1365.7	1312.1	1263.5	1235.4	1209.3	1221.3
7.5°	1623.5	1527.0	1413.6	1269.9	1154.4	1079.7	998.0	931.1	891.7	864.9	871.2
10°	1484.0	1421.3	1263.5	1102.3	962.8	910.0	845.9	794.5	738.8	690.9	668.4
12.5°	1440.3	1347.4	1149.4	985.3	879.7	828.3	755.0	695.9	624.7	566.3	545.8
15°	1448.1	1358.6	1118.5	943.1	818.4	729.7	642.3	569.1	490.9	450.1	428.9
17.5°	1574.2	1419.2	1138.9	898.7	733.2	609.9	502.2	409.2	350.8	308.5	299.3
20°	1729.1	1550.2	1182.6	866.3	663.5	485.3	367.0	286.7	238.1	231.0	228.9
22.5°	1955.9	1764.3	1276.2	844.5	578.2	378.2	251.4	208.5	195.1	193.7	194.4
25°	2272.8	2032.7	1378.4	826.2	514.2	291.6	205.7	176.8	172.6	170.4	174.0
27.5°	2410.2	2194.7	1432.6	786.7	455.7	262.7	202.8	175.4	163.4	159.9	162.0
30°	2579.9	2302.4	1517.8	719.1	369.8	216.2	189.5	190.9	185.2	167.6	162.0
32.5°	2805.3	2436.9	1560.8	671.2	330.3	178.9	138.8	127.5	142.3	145.1	150.0
35°	2949.7	2573.6	1582.6	643.0	309.9	152.8	117.6	107.1	103.5	104.2	107.1
37.5°	3218.0	2758.1	1610.1	613.5	294.4	133.1	106.4	96.5	91.6	91.6	94.4
40°	3378.6	2904.6	1647.4	597.3	278.9	121.1	96.5	88.0	83.8	83.8	85.2
42.5°	3418.8	2977.2	1634.7	591.6	261.3	118.3	88.0	81.7	76.8	76.1	75.4
45°	3490.6	3087.7	1636.8	585.3	243.0	107.8	83.1	76.1	69.0	68.3	67.6
47.5°	3569.5	3167.3	1641.1	560.6	225.4	90.2	86.6	70.4	62.0	60.6	60.6
50°	3501.9	3230.7	1677.7	536.0	202.8	73.2	85.2	66.2	54.9	52.8	53.5
52.5°	3510.3	3305.4	1755.2	501.5	174.7	58.5	69.0	62.7	50.0	46.5	47.2
55°	3375.1	3226.5	1765.7	464.9	136.6	45.1	52.8	54.9	42.3	40.9	40.9
57.5°	2905.3	2732.1	1558.0	376.8	90.2	37.3	38.0	47.9	36.6	35.2	35.9
60°	2486.2	2193.2	1253.7	248.6	56.3	29.6	27.5	48.6	32.4	31.7	33.8
62.5°	2266.5	1802.4	950.8	154.2	38.7	22.5	19.0	39.4	28.2	28.2	31.0
65°	1637.5	1210.7	552.9	81.0	27.5	17.6	14.1	22.5	23.2	23.9	25.4
67.5°	1014.2	611.3	233.1	39.4	18.3	12.0	9.2	14.1	15.5	15.5	16.9
70°	500.8	243.7	77.5	22.5	14.1	9.9	6.3	7.7	7.7	7.0	7.7
72.5°	155.0	73.2	19.7	14.1	9.9	6.3	3.5	2.8	1.4	0.0	0.7
75°	17.6	14.1	12.7	9.9	6.3	2.8	0.7	0.0	0.0	0.0	0.0
77.5°	10.6	12.0	12.0	9.9	6.3	2.1	0.0	0.0	0.0	0.0	0.0
80°	8.5	9.2	9.9	9.2	5.6	2.8	0.0	0.0	0.0	0.0	0.0
82.5°	10.6	12.0	13.4	12.0	7.7	3.5	1.4	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	2.1	0.7	0.0	0.0	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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7
2.5°	1543.9	1528.4	1550.2	1517.8	1517.1	1517.8	1508.7	1500.2	1513.6	1549.5	1553.0
5°	1178.3	1211.4	1222.0	1256.5	1237.5	1209.3	1214.9	1195.9	1242.4	1262.8	1246.6
7.5°	857.9	855.7	926.9	931.1	940.3	941.0	939.6	902.2	864.2	872.7	898.0
10°	665.6	629.7	664.2	660.7	683.2	676.9	686.0	645.9	659.2	659.2	675.4
12.5°	542.3	504.3	498.0	488.8	498.0	501.5	505.0	497.2	519.8	530.4	541.6
15°	414.1	393.0	387.4	369.8	372.6	382.4	390.9	394.4	387.4	403.6	405.0
17.5°	300.7	300.0	303.6	302.9	300.0	297.9	297.2	288.1	285.2	286.7	292.3
20°	228.2	233.8	245.8	257.8	264.1	256.4	245.8	230.3	224.0	225.4	226.1
22.5°	195.1	203.5	219.7	233.1	239.5	225.4	206.4	193.0	190.2	189.5	188.8
25°	176.8	186.6	198.6	202.8	202.1	193.7	179.6	174.0	172.6	171.1	164.8
27.5°	166.9	170.4	172.6	177.5	179.6	174.0	170.4	162.0	160.6	160.6	156.4
30°	161.3	159.2	162.0	158.5	161.3	157.1	157.8	157.8	154.2	155.7	155.7
32.5°	150.0	150.7	150.7	143.7	145.8	140.9	145.8	150.0	150.7	151.4	157.1
35°	109.9	122.6	128.9	128.9	131.0	127.5	126.8	121.8	115.5	109.2	106.4
37.5°	96.5	101.4	109.9	114.8	118.3	115.5	109.2	101.4	97.9	95.1	92.3
40°	85.9	90.2	95.8	101.4	108.5	104.9	95.1	91.6	87.3	87.3	84.5
42.5°	77.5	79.6	83.1	91.6	99.3	92.3	85.2	82.4	80.3	79.6	78.9
45°	69.7	70.4	74.0	81.0	90.2	83.1	76.1	72.5	73.2	74.0	73.2
47.5°	62.7	64.1	66.2	74.7	80.3	76.8	69.0	66.9	66.9	66.9	67.6
50°	54.2	57.8	62.0	69.0	73.2	71.1	64.8	62.0	60.6	60.6	61.3
52.5°	48.6	51.4	57.0	65.5	71.1	67.6	61.3	57.0	54.2	53.5	54.9
55°	42.3	47.2	56.3	62.7	70.4	66.9	59.9	54.9	50.0	49.3	49.3
57.5°	38.0	45.8	54.2	62.0	68.3	65.5	59.9	53.5	47.2	46.5	46.5
60°	35.9	44.4	52.8	59.9	68.3	64.1	59.2	52.1	45.1	45.1	44.4
62.5°	33.8	41.6	50.0	57.0	65.5	62.0	57.0	50.0	43.0	43.0	41.6
65°	28.2	35.9	41.6	47.9	57.0	53.5	48.6	43.7	38.0	36.6	37.3
67.5°	19.7	24.7	30.3	36.6	42.3	40.9	38.7	35.2	30.3	29.6	28.9
70°	9.9	13.4	18.3	24.7	29.6	28.2	26.8	23.9	21.1	20.4	20.4
72.5°	1.4	4.2	7.7	11.3	15.5	16.2	15.5	14.8	14.1	13.4	14.1
75°	0.0	0.0	0.0	2.8	6.3	7.7	9.2	10.6	10.6	9.2	11.3
77.5°	0.0	0.0	0.0	0.0	0.7	3.5	7.0	9.2	11.3	9.9	13.4
80°	0.0	0.0	0.0	0.0	0.7	4.2	7.0	9.9	11.3	9.9	14.1
82.5°	0.0	0.0	0.0	0.0	0.7	4.9	7.0	9.2	10.6	9.9	12.7
85°	0.0	0.0	0.0	0.0	2.1	4.2	2.8	1.4	0.7	0.7	2.1
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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7	1815.7
2.5°	1572.7	1622.8	1676.3	1696.7	1760.1	1808.0	1840.4	1910.1	1920.7	1921.4
5°	1263.5	1288.9	1380.5	1423.4	1517.8	1591.1	1669.2	1781.9	1857.3	1862.9
7.5°	898.0	968.4	1007.2	1119.2	1235.4	1350.2	1466.4	1597.4	1684.7	1686.8
10°	722.6	768.4	837.4	921.2	1019.1	1136.1	1291.0	1443.1	1531.9	1553.7
12.5°	581.8	662.1	740.9	827.6	902.2	990.3	1157.2	1360.0	1433.3	1477.0
15°	447.9	521.2	614.2	715.6	800.1	917.7	1107.9	1339.6	1462.9	1477.7
17.5°	330.3	395.8	481.8	577.5	704.3	871.2	1116.3	1443.1	1559.4	1584.0
20°	237.4	275.4	343.0	454.3	615.6	817.0	1124.8	1548.1	1724.9	1767.1
22.5°	188.1	203.5	247.9	346.5	516.3	760.0	1184.7	1748.8	1952.4	2013.6
25°	163.4	171.9	193.0	273.3	453.6	754.3	1280.5	1989.7	2255.2	2299.6
27.5°	157.8	159.2	177.5	250.7	419.8	717.0	1317.1	2160.8	2444.0	2489.1
30°	166.2	188.8	190.2	212.0	357.1	643.0	1336.1	2326.4	2603.9	2637.0
32.5°	143.7	136.6	141.6	164.1	314.1	600.1	1372.0	2470.7	2786.3	2809.5
35°	100.0	104.9	116.2	142.3	274.7	555.0	1381.2	2629.9	2959.5	2983.5
37.5°	92.3	95.1	104.2	121.1	241.6	529.6	1368.5	2746.1	3139.1	3172.3
40°	85.9	89.4	94.4	109.9	216.9	501.5	1350.9	2851.1	3249.0	3330.7
42.5°	81.0	83.8	88.0	104.9	195.8	473.3	1326.2	2999.0	3347.6	3418.8
45°	75.4	79.6	84.5	102.1	183.8	454.3	1307.9	2989.8	3404.7	3442.7
47.5°	69.7	76.8	82.4	95.1	180.3	445.1	1315.7	2955.3	3358.2	3332.1
50°	64.1	73.2	83.1	78.9	171.9	426.8	1324.8	3002.5	3247.6	3242.7
52.5°	59.2	69.7	77.5	64.8	152.8	409.2	1413.6	3064.5	3325.8	3260.3
55°	52.1	62.7	62.0	52.1	124.0	395.8	1483.3	3065.9	3273.0	3297.6
57.5°	47.2	55.6	48.6	43.7	91.6	331.0	1369.9	2570.8	2801.8	2845.4
60°	43.7	54.2	36.6	34.5	59.9	238.8	1195.9	1991.1	2227.1	2309.5
62.5°	40.1	51.4	28.9	28.2	41.6	169.7	983.2	1666.4	1919.3	2031.3
65°	35.2	36.6	23.2	21.8	29.6	91.6	598.7	1147.3	1434.7	1476.3
67.5°	28.9	28.2	19.0	17.6	19.7	44.4	264.1	574.7	831.8	901.5
70°	23.2	23.2	16.2	14.1	14.1	20.4	69.0	228.9	376.1	416.3
72.5°	16.9	17.6	12.7	11.3	10.6	9.9	11.3	45.8	98.6	126.1
75°	14.8	15.5	12.7	9.9	7.7	6.3	4.9	4.2	5.6	9.2
77.5°	16.2	16.2	13.4	9.2	7.0	4.9	2.8	1.4	1.4	0.7
80°	20.4	21.1	17.6	12.0	8.5	5.6	3.5	1.4	0.7	0.7
82.5°	21.8	23.9	19.7	14.8	10.6	6.3	3.5	0.7	0.0	0.0
85°	5.6	9.2	15.5	13.4	10.6	6.3	3.5	0.7	0.0	0.0
87.5°	0.0	0.7	2.1	2.1	2.8	2.8	2.1	0.7	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

(END OF REPORT)