

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: INVUE

Report Number: P181113

Luminaire Tested: **ICM-F06-LED-E1-SLR**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P181113  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F06-LED-E1-SLR  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (42) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12820.5 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

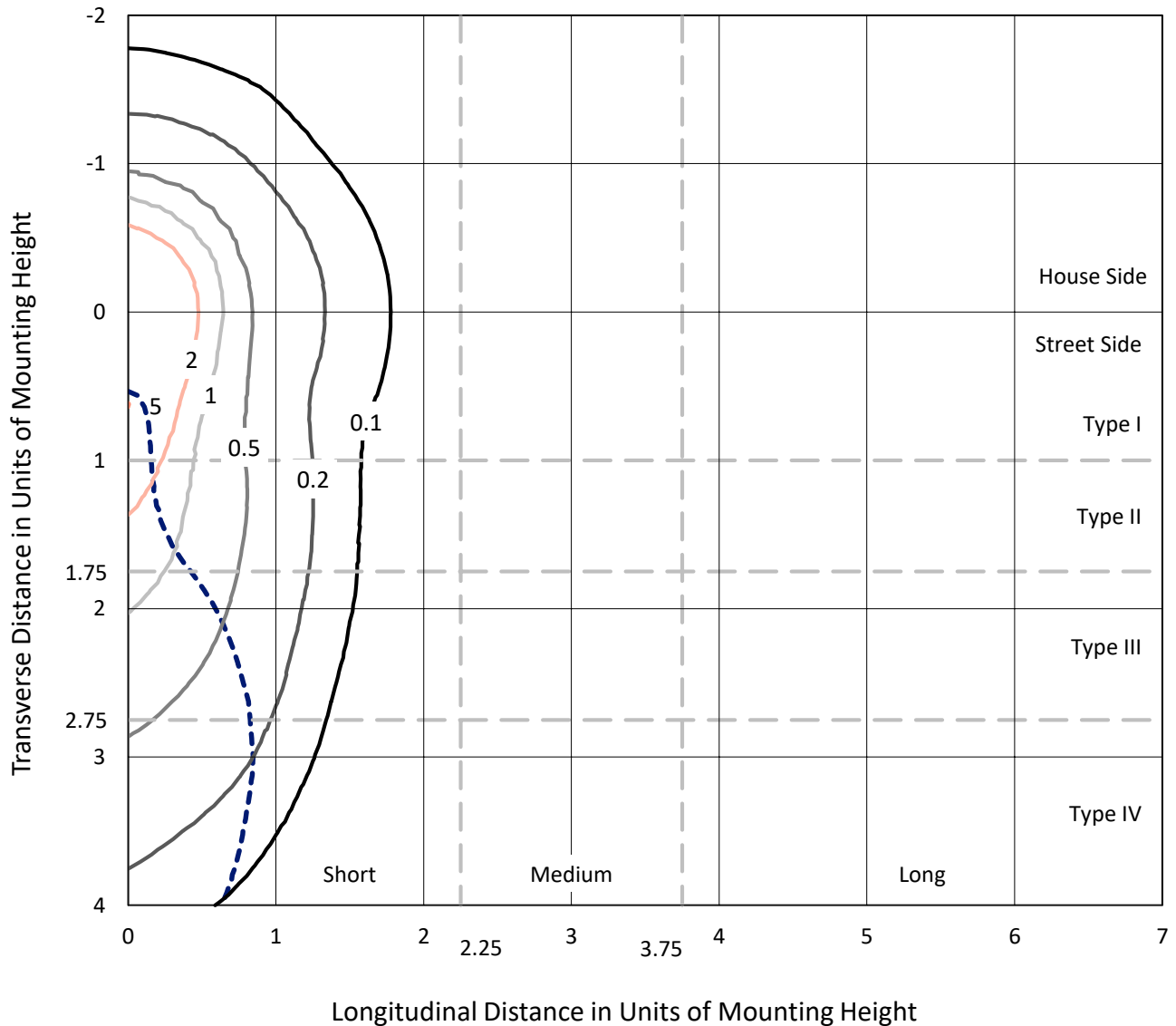
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

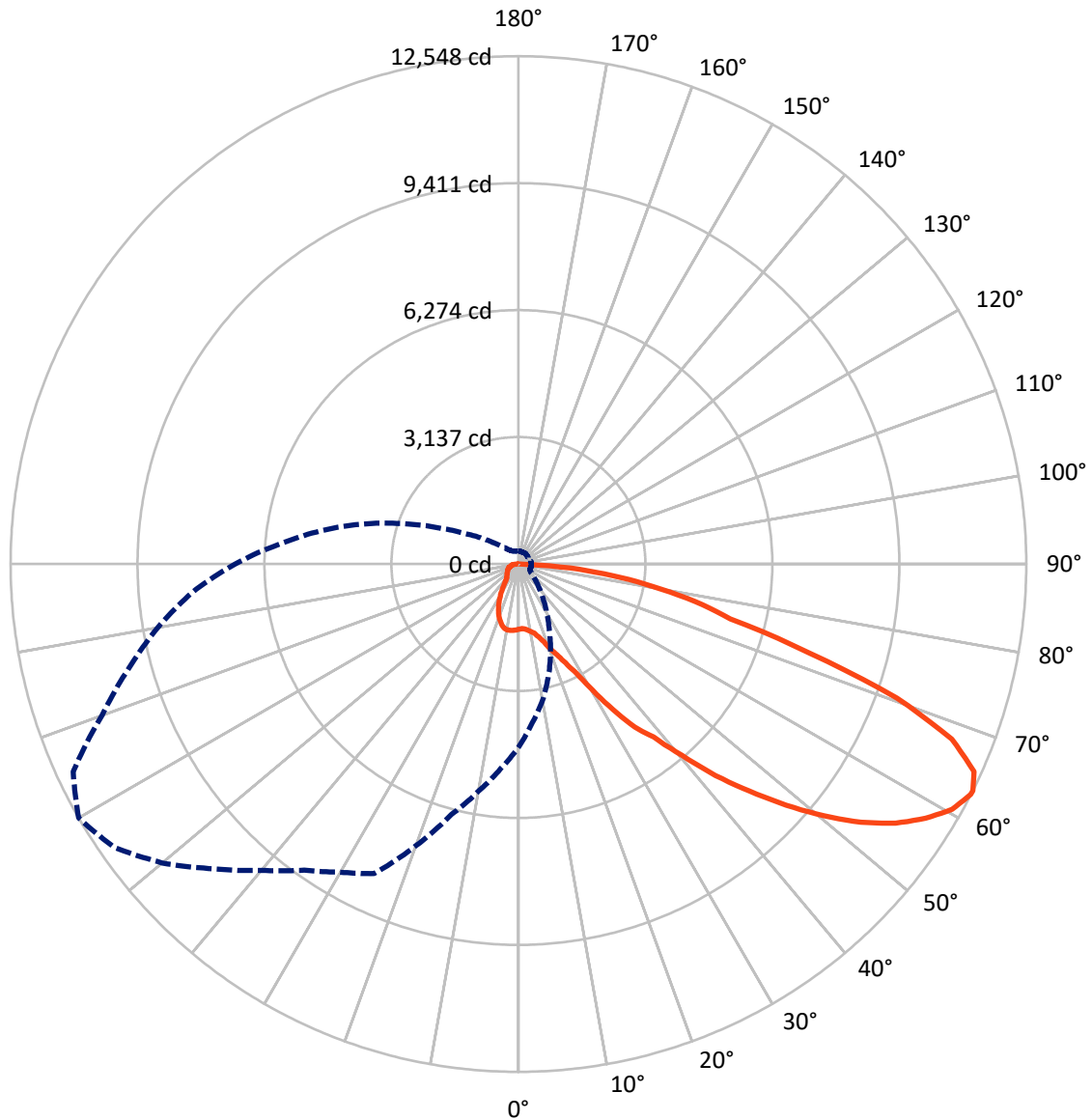
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2780.1	0.0	2780.1
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	10040.4	0.0	10040.4
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	12820.5	0.0	12820.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.8	1.2
10°-20°	488.4	3.8
20°-30°	867.8	6.8
30°-40°	1366.5	10.7
40°-50°	2011.0	15.7
50°-60°	2671.3	20.8
60°-70°	2942.4	23.0
70°-80°	1846.0	14.4
80°-90°	470.2	3.7
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°	12820.5	100.0
0°-180°	12820.5	100.0



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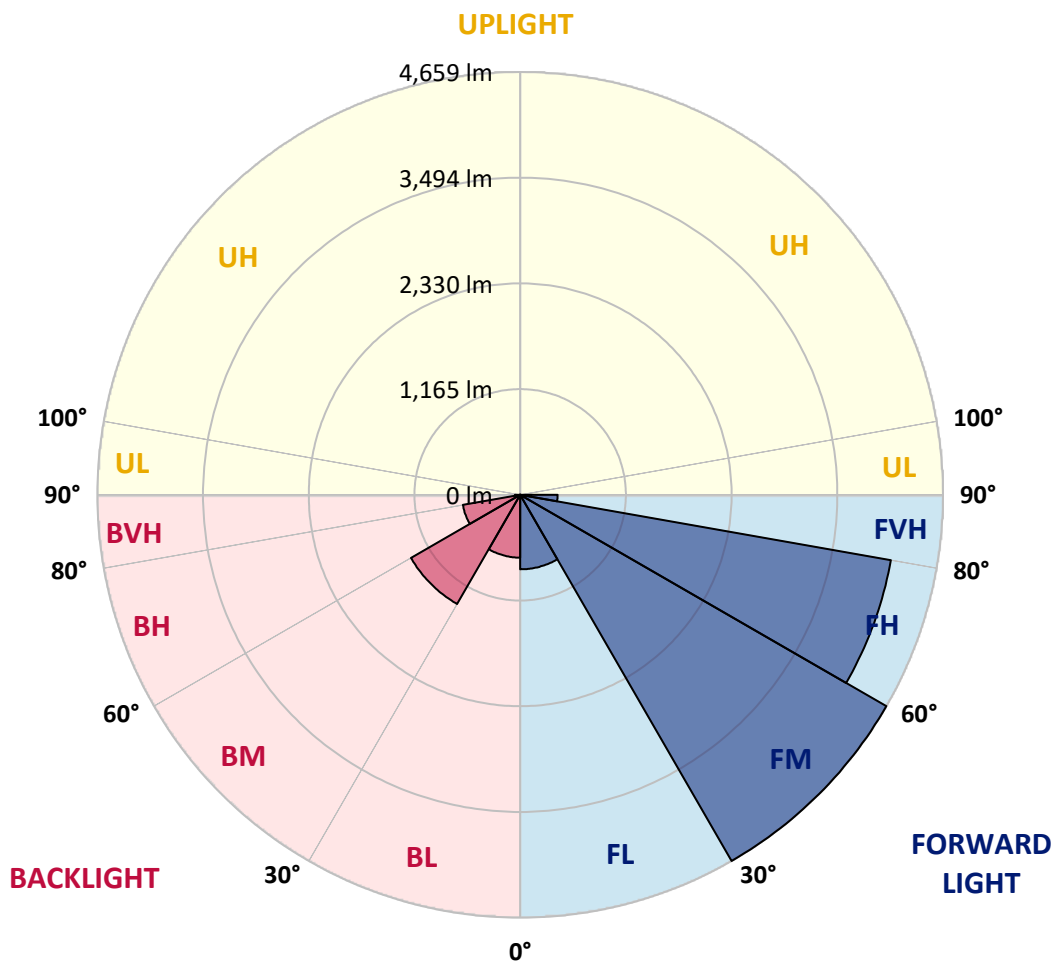
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	820.9	6.4			
FM (30°-60°)	4659.3	36.3			
FH (60°-80°)	4147.6	32.4			G2/5000
FVH (80°-90°)	412.6	3.2			G3/500
BL (0°-30°)	692.1	5.4	B2/1000		
BM (30°-60°)	1389.5	10.8	B2/2500		
BH (60°-80°)	640.8	5.0	B2/1000		G2/1000
BVH (80°-90°)	57.6	0.4			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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2
2.5°	1589.6	1594.2	1592.7	1592.7	1595.7	1594.2	1594.2	1595.7	1595.7	1600.4	1606.5
5°	1577.3	1575.8	1572.8	1575.8	1575.8	1575.8	1569.7	1574.2	1575.8	1578.9	1578.9
7.5°	1592.7	1588.1	1582.0	1583.5	1583.5	1580.4	1575.8	1577.3	1575.8	1575.8	1574.2
10°	1612.7	1601.9	1594.2	1594.2	1594.2	1591.2	1583.5	1588.1	1588.1	1586.5	1588.1
12.5°	1648.0	1635.7	1626.5	1623.5	1623.5	1618.8	1612.7	1618.8	1615.7	1615.7	1612.7
15°	1706.3	1692.6	1681.8	1672.6	1674.1	1674.1	1666.4	1661.8	1655.6	1648.0	1632.7
17.5°	1793.9	1778.5	1764.8	1757.0	1758.6	1747.8	1726.3	1704.8	1675.6	1646.4	1614.2
20°	1918.3	1913.7	1895.3	1887.5	1869.1	1843.1	1783.2	1732.5	1675.6	1620.4	1565.0
22.5°	2133.3	2111.8	2093.4	2064.2	2002.8	1930.6	1830.8	1741.7	1652.6	1574.2	1500.6
25°	2422.1	2383.6	2293.0	2204.0	2078.1	1949.0	1813.9	1698.7	1588.1	1485.2	1394.6
27.5°	2706.2	2589.5	2428.2	2266.9	2082.6	1913.7	1744.8	1608.0	1479.1	1366.9	1267.1
30°	3050.3	2853.7	2606.3	2351.5	2090.3	1863.0	1660.3	1500.6	1351.5	1233.3	1128.8
32.5°	3372.8	3088.7	2764.6	2429.8	2107.2	1815.4	1563.5	1382.2	1228.7	1079.7	976.8
35°	3594.0	3225.3	2832.1	2437.4	2065.8	1724.8	1442.1	1228.7	1075.1	936.8	815.5
37.5°	3726.0	3285.2	2835.2	2382.2	1968.9	1601.9	1288.6	1076.7	935.4	803.3	708.0
40°	3809.0	3299.1	2795.3	2302.2	1846.2	1446.8	1135.0	944.6	815.5	709.6	635.8
42.5°	3848.9	3277.5	2730.8	2200.9	1721.7	1308.6	1027.5	847.8	735.7	660.5	605.1
45°	3855.0	3239.2	2661.7	2108.8	1611.2	1208.8	953.8	807.9	715.7	652.7	597.5
47.5°	3855.0	3205.3	2606.3	2041.1	1539.0	1165.7	947.6	824.7	734.1	663.5	597.5
50°	3858.1	3194.6	2583.4	2007.4	1514.3	1188.8	999.8	876.9	774.1	682.0	595.9
52.5°	3871.9	3208.4	2601.8	2033.5	1558.9	1280.9	1098.1	955.4	826.3	703.4	595.9
55°	3902.6	3254.5	2680.1	2124.1	1678.7	1420.7	1216.4	1039.8	867.7	712.7	586.7
57.5°	3988.7	3371.3	2822.9	2299.2	1883.0	1582.0	1323.9	1099.7	883.2	704.9	568.3
60°	4160.7	3603.2	3067.1	2544.9	2099.5	1720.2	1386.9	1108.9	869.3	680.4	539.1
62.5°	4435.6	3868.9	3363.6	2812.2	2291.5	1796.9	1394.6	1085.9	832.5	635.8	496.1
63°	4530.8	3934.9	3426.5	2862.9	2316.1	1803.1	1388.4	1076.7	823.3	623.5	490.0
65°	4796.5	4212.9	3644.6	3041.0	2385.2	1804.7	1354.6	1030.6	780.2	575.9	447.0
67.5°	5292.6	4578.4	3919.6	3180.8	2409.8	1755.5	1268.7	944.6	689.6	502.2	393.2
70°	5605.9	4782.7	4025.5	3183.8	2337.6	1615.7	1119.6	804.8	574.4	416.2	337.9
72.5°	5524.5	4581.5	3746.0	2896.7	2025.8	1350.1	900.0	632.7	448.5	333.3	281.0
75°	4732.0	3813.6	3056.4	2243.9	1531.3	992.2	658.9	451.5	331.7	261.1	235.0
77.5°	3406.5	2744.6	2191.6	1598.8	1032.1	642.0	437.7	322.5	251.9	215.0	193.5
80°	2170.2	1609.6	1340.8	961.5	603.6	397.8	301.0	244.2	207.4	179.7	165.9
82.5°	1133.5	794.1	645.0	491.4	334.8	262.6	221.2	199.6	170.5	149.0	141.3
85°	706.5	468.5	347.1	242.7	167.4	150.5	138.2	135.2	121.3	107.5	102.9
87.5°	79.9	72.2	75.3	47.6	35.3	38.4	36.8	49.1	47.6	35.3	36.8
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2
2.5°	1600.4	1603.5	1603.5	1608.0	1608.0	1611.2	1614.2	1614.2	1617.3	1618.8	1621.9
5°	1582.0	1582.0	1582.0	1588.1	1589.6	1598.8	1601.9	1604.9	1608.0	1618.8	1624.9
7.5°	1577.3	1571.2	1574.2	1574.2	1578.9	1586.5	1594.2	1598.8	1603.5	1617.3	1626.5
10°	1586.5	1582.0	1577.3	1577.3	1578.9	1582.0	1588.1	1592.7	1595.7	1609.6	1617.3
12.5°	1611.2	1600.4	1591.2	1583.5	1577.3	1575.8	1572.8	1574.2	1577.3	1585.0	1595.7
15°	1615.7	1595.7	1575.8	1555.8	1540.5	1531.3	1523.5	1520.5	1520.5	1525.1	1537.4
17.5°	1585.0	1551.3	1522.1	1495.9	1479.1	1462.1	1454.4	1448.3	1445.2	1451.4	1452.9
20°	1519.0	1479.1	1439.1	1408.4	1377.7	1373.0	1360.8	1363.8	1366.9	1376.1	1380.8
22.5°	1428.4	1380.8	1331.6	1299.4	1274.8	1253.3	1239.4	1245.6	1250.2	1259.4	1264.0
25°	1317.8	1248.7	1196.5	1164.2	1138.1	1119.6	1104.3	1110.4	1104.3	1115.1	1131.9
27.5°	1187.3	1105.9	1050.5	1013.7	995.3	979.9	964.6	964.6	979.9	979.9	993.7
30°	1029.0	969.1	896.9	858.5	835.5	826.3	824.7	821.7	832.5	838.6	854.0
32.5°	880.1	806.3	737.2	700.4	680.4	669.7	671.2	672.7	677.3	686.5	711.1
35°	729.5	665.0	615.9	574.4	554.4	534.5	534.5	531.4	536.0	546.8	575.9
37.5°	632.7	575.9	537.6	505.3	485.3	473.0	462.3	457.7	457.7	462.3	473.0
40°	579.0	537.6	502.2	474.6	456.2	445.4	439.3	434.6	431.5	431.5	433.1
42.5°	554.4	511.4	476.1	451.5	437.7	431.5	430.0	428.5	423.9	422.3	420.8
45°	542.1	493.0	453.1	433.1	422.3	419.3	420.8	420.8	419.3	416.2	410.0
47.5°	532.9	476.1	436.2	417.8	413.1	413.1	413.1	413.1	411.6	410.0	405.5
50°	517.6	450.0	407.0	393.2	390.1	390.1	391.6	391.6	394.7	391.6	388.6
52.5°	500.7	425.4	382.4	370.1	368.7	367.1	367.1	367.1	368.7	368.7	367.1
55°	482.2	407.0	370.1	360.9	362.4	360.9	359.4	357.9	357.9	356.3	353.2
57.5°	463.8	391.6	360.9	354.8	356.3	356.3	353.2	350.1	348.7	344.0	340.9
60°	436.2	370.1	342.5	339.4	344.0	344.0	344.0	342.5	342.5	340.9	333.3
62.5°	399.4	339.4	318.0	319.4	321.0	324.1	324.1	324.1	324.1	321.0	313.3
63°	391.6	333.3	313.3	313.3	318.0	318.0	319.4	318.0	319.4	316.4	307.2
65°	360.9	313.3	298.0	299.5	302.6	302.6	302.6	301.0	301.0	296.5	291.8
67.5°	325.6	288.7	279.5	281.0	282.6	285.7	284.1	284.1	285.7	282.6	278.0
70°	285.7	262.6	256.5	258.0	259.5	259.5	258.0	258.0	259.5	256.5	251.9
72.5°	255.0	245.8	241.1	241.1	238.0	238.0	235.0	233.5	231.9	231.9	227.4
75°	215.0	213.5	215.0	218.0	215.0	211.9	210.4	205.8	202.7	202.7	201.2
77.5°	184.3	184.3	187.3	192.0	193.5	193.5	188.9	181.2	179.7	179.7	179.7
80°	159.7	156.7	156.7	161.3	165.9	164.4	156.7	149.0	149.0	156.7	158.2
82.5°	139.7	139.7	135.2	136.7	135.2	133.6	126.0	121.3	119.8	126.0	132.1
85°	110.6	112.1	110.6	109.0	107.5	102.9	96.7	92.2	90.6	96.7	106.0
87.5°	44.6	43.0	41.5	43.0	41.5	44.6	43.0	39.9	38.4	43.0	52.2
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2
2.5°	1623.5	1626.5	1629.6	1629.6	1632.7	1631.1	1632.7	1634.1	1634.1	1635.7	1635.7
5°	1632.7	1637.2	1643.4	1649.5	1651.1	1655.6	1660.3	1657.2	1661.8	1667.9	1667.9
7.5°	1635.7	1646.4	1651.1	1660.3	1661.8	1667.9	1678.7	1671.0	1680.2	1684.8	1686.4
10°	1631.1	1641.9	1649.5	1660.3	1664.8	1675.6	1686.4	1683.4	1694.1	1701.8	1703.3
12.5°	1603.5	1614.2	1631.1	1646.4	1658.7	1675.6	1695.6	1689.5	1704.8	1714.1	1718.6
15°	1549.7	1560.5	1578.9	1603.5	1626.5	1652.6	1678.7	1683.4	1698.7	1709.4	1714.1
17.5°	1465.2	1479.1	1499.0	1525.1	1554.3	1598.8	1632.7	1649.5	1671.0	1677.1	1684.8
20°	1386.9	1400.8	1413.0	1428.4	1449.9	1492.8	1537.4	1571.2	1598.8	1621.9	1628.0
22.5°	1282.4	1294.7	1310.1	1322.4	1337.8	1368.5	1405.3	1443.7	1486.7	1500.6	1515.9
25°	1156.5	1164.2	1185.7	1193.4	1204.1	1230.2	1259.4	1287.1	1328.6	1357.7	1365.4
27.5°	1021.3	1029.0	1049.0	1053.6	1067.4	1092.0	1113.5	1124.3	1162.6	1193.4	1218.0
30°	864.7	884.7	909.2	912.3	927.6	943.0	963.0	973.8	1009.0	1041.3	1072.0
32.5°	729.5	749.5	769.5	781.8	789.4	801.7	821.7	832.5	866.2	895.4	926.1
35°	591.4	615.9	637.4	654.2	660.5	675.8	691.2	701.9	737.2	763.4	784.8
37.5°	486.9	505.3	528.4	545.2	562.1	572.8	591.4	606.7	628.2	642.0	665.0
40°	436.2	445.4	457.7	471.5	485.3	497.6	511.4	523.7	537.6	556.0	571.4
42.5°	419.3	420.8	420.8	425.4	433.1	439.3	451.5	460.7	470.0	483.8	491.4
45°	407.0	405.5	402.4	399.4	400.8	403.9	411.6	417.8	428.5	434.6	436.2
47.5°	400.8	394.7	388.6	384.0	382.4	384.0	390.1	396.3	402.4	407.0	408.6
50°	380.9	376.3	367.1	360.9	357.9	360.9	368.7	371.7	377.9	382.4	384.0
52.5°	360.9	354.8	348.7	342.5	342.5	344.0	350.1	356.3	362.4	364.0	367.1
55°	348.7	339.4	333.3	328.7	325.6	330.2	334.8	342.5	350.1	351.7	354.8
57.5°	336.4	327.2	321.0	316.4	313.3	318.0	322.5	333.3	342.5	342.5	342.5
60°	328.7	321.0	311.8	307.2	302.6	307.2	313.3	324.1	333.3	331.7	330.2
62.5°	307.2	299.5	294.9	294.9	290.2	298.0	304.1	316.4	318.0	314.9	311.8
63°	301.0	294.9	291.8	291.8	288.7	296.5	302.6	313.3	313.3	310.2	307.2
65°	285.7	281.0	278.0	281.0	281.0	288.7	290.2	298.0	296.5	291.8	290.2
67.5°	273.4	270.3	267.3	267.3	267.3	268.7	270.3	273.4	271.8	270.3	271.8
70°	253.4	251.9	248.8	248.8	247.3	247.3	247.3	248.8	248.8	250.3	251.9
72.5°	228.8	225.8	225.8	227.4	224.3	225.8	227.4	225.8	228.8	228.8	230.4
75°	201.2	199.6	202.7	205.8	204.3	204.3	205.8	205.8	207.4	207.4	208.8
77.5°	179.7	181.2	182.8	185.9	187.3	187.3	187.3	185.9	187.3	187.3	188.9
80°	159.7	162.8	165.9	168.9	170.5	170.5	170.5	168.9	168.9	168.9	168.9
82.5°	144.4	149.0	152.1	153.6	153.6	153.6	153.6	153.6	153.6	150.5	147.4
85°	121.3	130.5	130.5	132.1	127.4	124.4	121.3	122.9	124.4	118.2	116.7
87.5°	61.4	61.4	64.5	67.5	69.1	69.1	78.3	73.8	72.2	70.6	67.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P181113

CATALOG NUMBER: ICM-F06-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2
2.5°	1637.2	1635.7	1638.8	1635.7	1637.2	1638.8	1635.7	1640.3	1643.4	1638.8	1634.1
5°	1671.0	1671.0	1678.7	1681.8	1683.4	1692.6	1687.9	1691.0	1694.1	1692.6	1694.1
7.5°	1692.6	1698.7	1706.3	1714.1	1715.5	1723.3	1721.7	1726.3	1729.4	1737.0	1737.0
10°	1711.0	1718.6	1729.4	1737.0	1744.8	1750.9	1754.0	1763.2	1764.8	1770.9	1770.9
12.5°	1727.8	1737.0	1747.8	1760.1	1767.8	1780.1	1781.6	1795.5	1800.0	1801.6	1796.9
15°	1724.8	1735.5	1747.8	1761.7	1775.5	1790.8	1800.0	1813.9	1821.5	1824.6	1816.9
17.5°	1695.6	1704.8	1720.2	1738.6	1755.5	1775.5	1792.4	1812.3	1824.6	1827.6	1826.2
20°	1638.8	1644.9	1664.8	1689.5	1709.4	1740.1	1764.8	1795.5	1815.4	1830.8	1835.4
22.5°	1526.6	1542.1	1562.0	1589.6	1618.8	1657.2	1692.6	1737.0	1780.1	1816.9	1853.8
25°	1391.5	1419.2	1449.9	1486.7	1522.1	1562.0	1601.9	1652.6	1715.5	1792.4	1879.9
27.5°	1254.8	1302.4	1340.8	1388.4	1429.9	1469.9	1514.3	1569.7	1638.8	1730.9	1843.1
30°	1116.6	1170.3	1211.8	1267.1	1322.4	1376.1	1420.7	1479.1	1546.6	1640.3	1763.2
32.5°	969.1	1022.9	1072.0	1122.7	1184.2	1248.7	1302.4	1374.6	1446.8	1543.5	1667.9
35°	817.1	864.7	906.1	959.9	1027.5	1096.6	1167.3	1250.2	1328.6	1429.9	1562.0
37.5°	685.0	718.8	758.7	806.3	858.5	932.3	1012.1	1110.4	1199.5	1310.1	1445.2
40°	575.9	594.4	617.4	657.3	704.9	777.1	855.4	959.9	1067.4	1188.8	1319.4
42.5°	491.4	500.7	506.8	532.9	571.4	642.0	717.2	818.6	936.8	1068.9	1201.0
45°	436.2	440.8	442.3	456.2	483.8	545.2	623.5	709.6	823.3	952.3	1090.4
47.5°	410.0	414.7	417.8	420.8	437.7	485.3	556.0	637.4	741.9	860.1	1001.4
50°	388.6	393.2	397.8	396.3	403.9	434.6	494.5	569.8	668.1	777.1	916.9
52.5°	367.1	370.1	370.1	370.1	374.8	394.7	437.7	506.8	597.5	700.4	838.6
55°	354.8	357.9	359.4	360.9	362.4	373.2	405.5	460.7	539.1	634.3	758.7
57.5°	342.5	344.0	347.1	348.7	351.7	357.9	377.9	417.8	483.8	563.6	668.1
60°	331.7	334.8	340.9	342.5	345.6	347.1	356.3	380.9	423.9	485.3	569.8
62.5°	314.9	319.4	325.6	327.2	330.2	331.7	333.3	347.1	367.1	403.9	466.9
63°	310.2	314.9	322.5	324.1	325.6	325.6	327.2	336.4	354.8	387.1	433.1
65°	293.4	299.5	304.1	305.7	307.2	307.2	305.7	308.7	310.2	324.1	351.7
67.5°	274.9	279.5	282.6	284.1	282.6	284.1	282.6	279.5	276.5	279.5	291.8
70°	256.5	259.5	259.5	261.1	262.6	264.2	261.1	258.0	255.0	253.4	261.1
72.5°	235.0	238.0	238.0	239.6	239.6	242.7	242.7	241.1	241.1	242.7	244.2
75°	213.5	216.6	215.0	218.0	218.0	222.7	222.7	224.3	227.4	225.8	224.3
77.5°	193.5	195.1	195.1	196.6	198.1	205.8	210.4	211.9	211.9	208.8	205.8
80°	172.0	172.0	168.9	167.4	168.9	176.7	185.9	187.3	192.0	190.4	192.0
82.5°	144.4	138.2	133.6	133.6	136.7	141.3	144.4	147.4	150.5	150.5	153.6
85°	110.6	104.5	99.8	101.4	106.0	107.5	106.0	106.0	112.1	116.7	112.1
87.5°	66.0	59.9	56.8	52.2	53.8	58.3	56.8	52.2	53.8	43.0	39.9
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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CATALOG NUMBER: ICM-F06-LED-E1-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2
2.5°	1637.2	1635.7	1632.7	1628.0	1626.5	1623.5	1624.9	1620.4	1617.3	1614.2	1609.6
5°	1694.1	1694.1	1684.8	1684.8	1680.2	1678.7	1667.9	1663.4	1654.1	1657.2	1646.4
7.5°	1734.0	1738.6	1727.8	1726.3	1720.2	1718.6	1704.8	1700.2	1692.6	1689.5	1680.2
10°	1763.2	1763.2	1749.3	1738.6	1730.9	1723.3	1709.4	1703.3	1697.1	1698.7	1692.6
12.5°	1786.2	1775.5	1755.5	1740.1	1729.4	1721.7	1711.0	1706.3	1704.8	1715.5	1717.1
15°	1804.7	1789.3	1764.8	1754.0	1744.8	1743.2	1743.2	1747.8	1758.6	1778.5	1793.9
17.5°	1815.4	1806.2	1793.9	1790.8	1806.2	1815.4	1827.6	1841.5	1856.8	1884.5	1901.4
20°	1835.4	1841.5	1850.7	1863.0	1887.5	1910.6	1926.0	1946.0	1964.4	1998.2	2025.8
22.5°	1887.5	1922.9	1952.1	1976.7	2013.5	2045.8	2065.8	2093.4	2107.2	2130.2	2173.2
25°	1955.2	2027.4	2088.8	2141.0	2197.9	2231.6	2259.3	2294.6	2316.1	2354.5	2392.9
27.5°	1935.2	2038.1	2130.2	2227.0	2305.3	2392.9	2454.3	2512.7	2549.5	2606.3	2657.0
30°	1873.8	1996.7	2121.0	2248.5	2372.9	2498.9	2615.6	2721.6	2803.0	2884.4	2967.3
32.5°	1790.8	1932.1	2084.2	2240.9	2403.6	2578.7	2740.0	2899.7	3034.9	3153.1	3268.3
35°	1695.6	1855.4	2013.5	2207.1	2408.2	2630.9	2855.2	3076.4	3282.2	3491.0	3632.3
37.5°	1582.0	1744.8	1921.4	2144.1	2380.6	2655.6	2941.2	3230.0	3521.8	3802.8	4047.0
40°	1460.6	1626.5	1812.3	2053.5	2320.7	2640.2	2996.5	3385.0	3785.9	4193.0	4517.0
42.5°	1353.1	1523.5	1726.3	1970.5	2260.8	2620.2	3041.0	3518.7	4008.6	4512.4	4988.5
45°	1248.7	1436.0	1649.5	1912.2	2234.7	2635.6	3107.1	3643.1	4208.3	4819.6	5400.1
47.5°	1155.0	1345.4	1552.8	1840.0	2196.3	2643.3	3171.6	3767.5	4397.2	5059.2	5748.8
50°	1070.5	1254.8	1459.1	1747.8	2136.4	2638.6	3230.0	3879.7	4560.0	5248.0	6017.5
52.5°	987.5	1175.0	1383.8	1658.7	2062.7	2612.5	3257.6	3971.7	4710.5	5438.5	6234.1
55°	906.1	1090.4	1300.8	1574.2	1965.9	2544.9	3254.5	4031.7	4830.4	5618.2	6443.0
57.5°	811.0	986.1	1191.8	1480.6	1863.0	2440.5	3208.4	4059.3	4933.2	5796.4	6693.3
60°	692.7	857.0	1055.2	1343.9	1727.8	2306.9	3111.6	4043.9	4993.1	5928.5	6906.8
62.5°	546.8	689.6	870.8	1153.4	1558.9	2114.9	2930.4	3904.2	4897.9	5910.0	7006.6
63°	516.1	651.2	827.8	1107.4	1486.7	2062.7	2876.7	3848.9	4851.8	5871.7	6992.8
65°	414.7	502.2	643.5	893.9	1244.1	1806.2	2609.4	3564.8	4604.5	5601.3	6793.2
67.5°	318.0	362.4	437.7	612.8	880.1	1420.7	2113.3	3021.0	3996.3	4933.2	6149.6
70°	271.8	291.8	324.1	407.0	559.1	896.9	1483.6	2253.1	3097.9	3910.3	5003.8
72.5°	247.3	256.5	273.4	308.7	384.0	537.6	946.1	1466.8	2107.2	2787.6	3632.3
75°	227.4	235.0	248.8	267.3	294.9	357.9	539.1	896.9	1370.0	1830.8	2451.3
77.5°	207.4	211.9	227.4	244.2	262.6	294.9	356.3	516.1	787.9	1079.7	1477.5
80°	190.4	187.3	198.1	225.8	244.2	262.6	281.0	334.8	448.5	591.4	798.6
82.5°	152.1	155.2	164.4	192.0	199.6	195.1	198.1	207.4	250.3	273.4	408.6
85°	102.9	95.3	93.7	96.7	96.7	92.2	92.2	90.6	99.8	113.7	195.1
87.5°	27.6	13.9	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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	0°
2.5°	1606.5	1604.9	1606.5	1598.8	1598.8	1597.3	1595.7	1592.7	1592.7	1586.5	1591.2	2.5°
5°	1637.2	1634.1	1628.0	1618.8	1614.2	1608.0	1608.0	1601.9	1597.3	1591.2	1592.7	5°
7.5°	1672.6	1674.1	1663.4	1655.6	1652.6	1646.4	1648.0	1638.8	1640.3	1635.7	1632.7	7.5°
10°	1692.6	1692.6	1695.6	1694.1	1697.1	1697.1	1701.8	1695.6	1692.6	1687.9	1687.9	10°
12.5°	1724.8	1730.9	1743.2	1743.2	1752.4	1755.5	1757.0	1760.1	1754.0	1750.9	1740.1	12.5°
15°	1804.7	1820.0	1830.8	1846.2	1864.6	1870.7	1870.7	1864.6	1861.5	1856.8	1836.9	15°
17.5°	1936.8	1970.5	1979.7	2004.3	2007.4	2015.1	2036.6	2024.3	2016.6	1984.4	1978.2	17.5°
20°	2071.9	2114.9	2157.9	2188.6	2204.0	2234.7	2239.3	2233.1	2202.4	2171.7	2157.9	20°
22.5°	2234.7	2299.2	2348.4	2395.9	2419.0	2434.3	2468.1	2460.5	2435.9	2389.8	2371.4	22.5°
25°	2465.0	2544.9	2597.1	2655.6	2686.2	2701.6	2735.4	2735.4	2709.3	2695.5	2693.9	25°
27.5°	2755.4	2853.7	2939.6	2959.6	3039.5	3057.9	3090.2	3090.2	3065.6	3048.7	3130.1	27.5°
30°	3077.9	3180.8	3329.8	3429.6	3526.3	3621.6	3620.0	3626.2	3655.4	3670.7	3706.1	30°
32.5°	3400.4	3527.9	3686.1	3902.6	4110.0	4286.6	4515.5	4661.3	4616.9	4492.4	4443.3	32.5°
35°	3792.0	3933.3	4125.3	4343.5	4722.8	4951.7	5062.3	5140.6	5149.8	5166.6	5202.0	35°
37.5°	4228.2	4464.8	4687.5	4934.7	5145.1	5423.2	5679.7	5885.4	5933.1	6029.8	5974.5	37.5°
40°	4779.7	5043.8	5277.2	5596.7	5879.3	6214.1	6581.2	6863.8	6977.4	6940.6	6664.1	40°
42.5°	5357.1	5684.2	5957.6	6333.9	6701.0	7143.3	7522.7	7917.4	7988.0	7704.0	7290.7	42.5°
45°	5888.5	6294.0	6633.4	7025.1	7473.5	8003.4	8510.3	8915.7	8901.9	8415.0	7862.1	45°
47.5°	6366.2	6863.8	7278.5	7788.4	8270.7	8901.9	9484.0	9783.5	9606.8	9030.9	8353.6	47.5°
50°	6760.9	7381.3	7892.8	8408.9	9021.7	9781.9	10342.6	10511.5	10170.6	9543.9	8831.2	50°
52.5°	7078.8	7857.5	8432.0	9026.3	9800.3	10600.5	11082.9	11019.9	10579.0	9935.5	9226.0	52.5°
55°	7347.6	8221.5	8906.5	9608.4	10568.3	11305.6	11626.5	11457.6	10841.7	10189.0	9496.2	55°
57.5°	7625.6	8574.8	9342.7	10156.7	11225.7	11858.5	12036.6	11689.5	10966.1	10285.7	9613.0	57.5°
60°	7903.6	8869.6	9728.2	10635.9	11723.3	12310.0	12260.8	11741.7	10929.3	10215.0	9534.7	60°
62.5°	8090.9	9044.7	9952.4	10930.8	12096.5	12540.4	12239.3	11555.9	10715.8	9937.1	9301.3	62.5°
63°	8095.6	9050.8	9966.3	10950.8	12137.9	12548.1	12197.8	11489.8	10648.2	9880.2	9232.1	63°
65°	7998.8	8935.7	9843.4	10860.2	12102.7	12371.4	11840.0	11099.7	10262.7	9487.0	8872.7	65°
67.5°	7504.2	8459.6	9261.3	10219.7	11469.8	11546.7	10881.6	10284.2	9531.6	8728.3	8086.4	67.5°
70°	6507.5	7301.5	8087.9	8888.1	9937.1	9923.2	9298.2	8994.0	8335.1	7419.8	6905.3	70°
72.5°	5175.8	5888.5	6441.4	6977.4	7668.6	7528.8	7126.5	7210.9	6783.9	6100.5	5794.8	72.5°
75°	3842.7	4626.1	4896.3	5114.4	5406.3	5407.8	5518.4	5758.0	5751.8	5372.5	4987.0	75°
77.5°	2520.4	3377.4	3468.0	3643.1	3993.2	4469.4	4960.9	5489.2	5621.2	5321.8	4751.9	77.5°
80°	1405.3	2296.1	2191.6	2342.2	2720.0	3366.6	4091.6	4675.2	5019.2	4851.8	4248.2	80°
82.5°	718.8	1323.9	1265.6	1474.4	1780.1	2342.2	2821.4	3269.9	3675.4	3652.3	3423.5	82.5°
85°	373.2	724.9	824.7	933.8	1087.4	1288.6	1469.9	1600.4	1769.3	2067.3	2168.7	85°
87.5°	0.0	0.0	0.0	0.0	0.0	1.6	0.0	110.6	79.9	219.6	313.3	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1611.2	1611.2	1611.2	1611.2	1611.2	1611.2	1611.2
1592.7	1594.2	1591.2	1591.2	1592.7	1592.7	1589.6
1589.6	1589.6	1586.5	1583.5	1580.4	1580.4	1577.3
1624.9	1624.9	1614.2	1609.6	1601.9	1595.7	1592.7
1677.1	1667.9	1655.6	1646.4	1634.1	1620.4	1612.7
1729.4	1715.5	1700.2	1686.4	1671.0	1655.6	1648.0
1815.4	1796.9	1777.0	1760.1	1738.6	1715.5	1706.3
1947.5	1918.3	1892.2	1867.6	1829.2	1812.3	1793.9
2122.6	2079.5	2045.8	2004.3	1956.7	1941.3	1918.3
2334.5	2297.7	2230.1	2199.4	2151.7	2128.8	2133.3
2657.0	2609.4	2531.1	2502.0	2497.3	2446.6	2422.1
3077.9	3080.9	3008.8	2930.4	2887.5	2807.6	2706.2
3676.9	3635.4	3550.9	3471.1	3369.7	3219.2	3050.3
4401.8	4309.6	4169.9	4020.9	3841.2	3609.3	3372.8
5109.8	4948.6	4725.9	4477.1	4217.5	3928.8	3594.0
5731.8	5481.5	5148.2	4862.5	4495.5	4134.5	3726.0
6300.1	5989.9	5559.8	5189.7	4756.6	4292.8	3809.0
6850.0	6456.8	5930.0	5429.3	4939.4	4398.7	3848.9
7373.7	6866.8	6241.8	5645.9	5073.0	4467.8	3855.0
7776.1	7223.2	6521.3	5802.5	5165.1	4520.0	3855.0
8149.4	7524.2	6734.8	5925.4	5251.1	4555.4	3858.1
8439.6	7736.1	6873.0	6013.0	5318.7	4581.5	3871.9
8650.0	7874.4	6965.2	6066.6	5367.8	4618.4	3902.6
8797.4	7965.0	7015.9	6114.3	5427.8	4682.9	3988.7
8868.1	8132.4	7100.3	6209.5	5530.6	4819.6	4160.7
8814.4	8392.0	7341.4	6370.8	5673.5	5033.1	4435.6
8791.3	8439.6	7407.5	6406.1	5705.8	5079.1	4530.8
8611.6	8487.2	7679.3	6584.3	5859.4	5283.4	4796.5
8054.1	8299.9	7908.2	6885.3	6189.5	5779.5	5292.6
7332.2	8021.8	7866.7	6923.7	6399.9	6186.5	5605.9
6467.6	7181.7	7037.3	6412.2	6168.0	6191.1	5524.5
5089.9	5625.9	5530.6	5311.0	5360.2	5529.2	4732.0
4077.7	4005.5	3785.9	3801.2	4085.4	4283.6	3406.5
3331.3	2696.9	2411.3	2419.0	2915.1	3120.9	2170.2
3170.1	2551.1	2078.1	1815.4	2121.0	2042.7	1133.5
2257.7	2262.3	1876.8	1525.1	1477.5	1256.4	706.5
534.5	428.5	305.7	227.4	239.6	158.2	79.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

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