

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: P180998

Luminaire Tested: **ICM-E05-LED-E1-SLL**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180998  
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-E05-LED-E1-SLL  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (105) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12941.7 lumens  
Efficiency: N/A  
Efficacy: 101.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G3

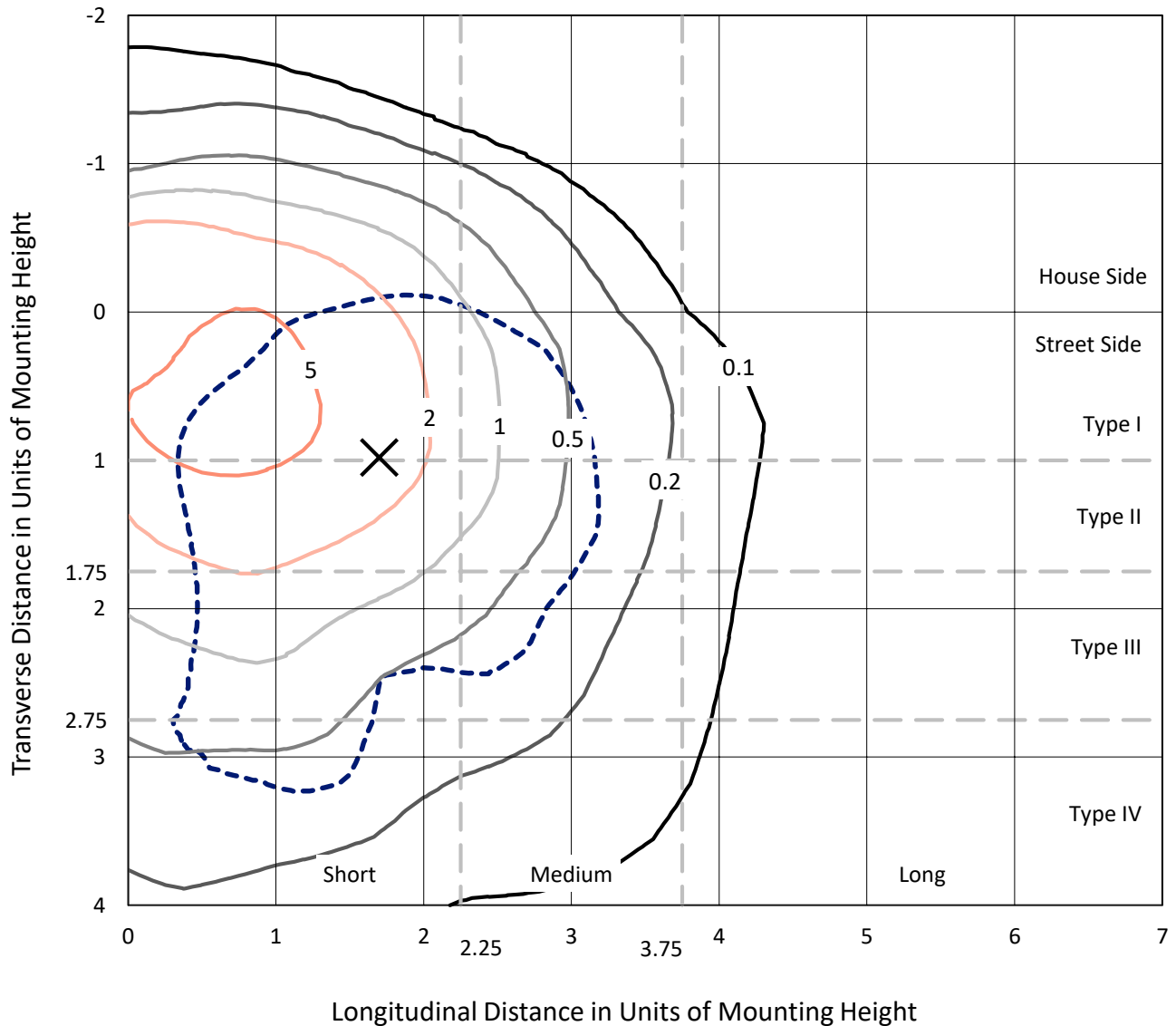
Input Watts (W): 127.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

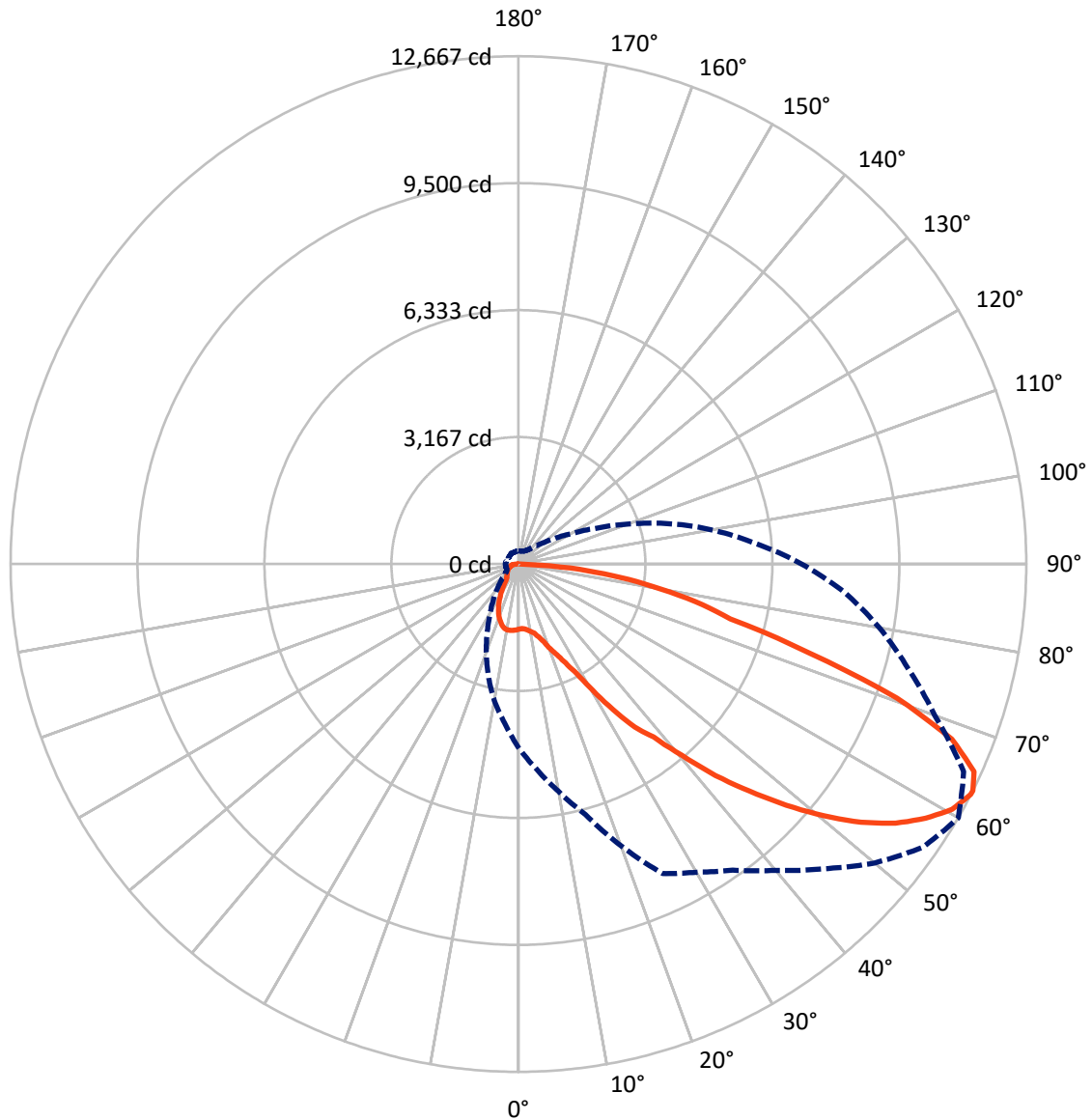
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2806.4	0.0	2806.4
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	10135.4	0.0	10135.4
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	12941.7	0.0	12941.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.3	1.2
10°-20°	493.1	3.8
20°-30°	876.0	6.8
30°-40°	1379.4	10.7
40°-50°	2030.1	15.7
50°-60°	2696.5	20.8
60°-70°	2970.2	23.0
70°-80°	1863.5	14.4
80°-90°	474.6	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°	12941.7	100.0
0°-180°	12941.7	100.0



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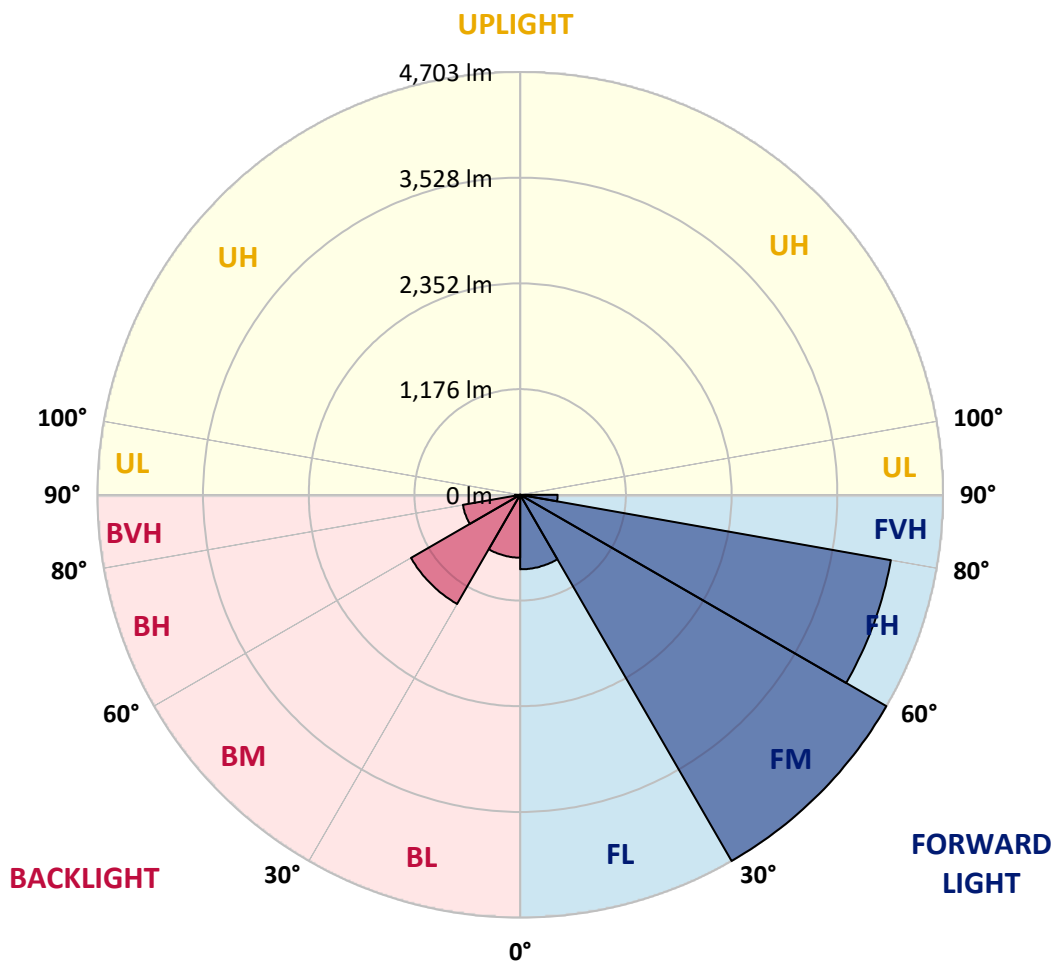
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	828.7	6.4			
FM	(30°-60°)	4703.3	36.3			
FH	(60°-80°)	4186.9	32.4			G2/5000
FVH	(80°-90°)	416.5	3.2			G3/500
BL	(0°-30°)	698.7	5.4	B2/1000		
BM	(30°-60°)	1402.7	10.8	B2/2500		
BH	(60°-80°)	646.9	5.0	B2/1000		G2/1000
BVH	(80°-90°)	58.1	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°	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3
2.5°	1604.7	1607.7	1607.7	1606.2	1606.2	1609.3	1607.7	1606.2	1601.6	1607.7	1607.7
5°	1592.3	1595.4	1595.4	1598.4	1601.6	1604.7	1604.7	1607.7	1606.2	1612.4	1617.0
7.5°	1607.7	1610.9	1617.0	1624.8	1629.5	1640.3	1640.3	1648.1	1651.2	1655.8	1654.2
10°	1627.9	1635.6	1649.6	1662.1	1671.4	1683.7	1693.0	1703.9	1703.9	1708.6	1711.6
12.5°	1663.5	1671.4	1686.8	1702.3	1716.3	1731.8	1745.8	1756.6	1767.5	1770.5	1776.8
15°	1722.5	1731.8	1755.1	1776.8	1793.8	1814.0	1832.6	1854.2	1874.4	1879.1	1882.2
17.5°	1810.9	1829.5	1846.5	1885.3	1910.1	1936.5	1965.9	1996.9	2003.1	2035.6	2043.5
20°	1936.5	1959.7	1975.2	2023.3	2065.1	2099.3	2142.6	2178.3	2192.3	2223.3	2254.2
22.5°	2153.5	2148.9	2172.1	2220.2	2251.2	2319.4	2356.6	2393.8	2412.4	2458.9	2483.7
25°	2444.9	2469.8	2520.9	2525.6	2555.1	2634.2	2682.2	2719.4	2720.9	2734.9	2761.2
27.5°	2731.8	2834.2	2914.7	2958.2	3037.2	3110.1	3107.0	3159.7	3077.5	3094.6	3119.4
30°	3079.1	3249.6	3401.6	3503.9	3584.5	3669.8	3711.7	3741.1	3705.4	3690.0	3660.5
32.5°	3404.7	3643.5	3877.5	4058.9	4209.3	4350.4	4443.5	4485.3	4534.9	4660.5	4705.4
35°	3627.9	3965.9	4257.4	4519.4	4770.5	4995.4	5158.2	5251.2	5215.6	5198.5	5189.1
37.5°	3761.2	4173.7	4538.0	4908.6	5197.0	5533.3	5786.1	6031.0	6086.8	5989.2	5941.2
40°	3845.0	4333.3	4801.6	5238.8	5612.4	6046.5	6359.8	6727.2	7006.3	7043.5	6928.7
42.5°	3885.3	4440.3	4986.1	5480.7	5986.1	6517.9	6914.7	7359.8	7776.8	8063.6	7992.3
45°	3891.5	4510.1	5121.0	5699.3	6300.8	6931.9	7443.5	7936.5	8494.7	8986.1	9000.1
47.5°	3891.5	4562.8	5214.0	5857.4	6583.0	7291.5	7849.6	8432.6	9116.3	9697.7	9876.1
50°	3894.6	4598.4	5300.8	5981.4	6798.5	7595.4	8226.4	8914.8	9634.2	10266.8	10610.9
52.5°	3908.6	4624.9	5369.1	6069.8	6938.0	7809.4	8519.4	9313.3	10029.5	10679.1	11124.1
55°	3939.6	4662.1	5418.6	6124.0	7031.0	7948.9	8731.9	9586.1	10285.4	10944.3	11565.9
57.5°	4026.4	4727.2	5479.1	6172.1	7082.2	8040.3	8880.7	9704.0	10383.0	11069.8	11800.1
60°	4200.0	4865.1	5583.0	6268.2	7167.5	8209.4	8952.0	9624.9	10311.7	11032.6	11852.8
62.5°	4477.5	5080.7	5727.2	6431.0	7410.9	8471.4	8897.7	9389.2	10031.0	10817.1	11665.2
63°	4573.7	5127.2	5759.8	6466.7	7477.5	8519.4	8874.5	9319.4	9973.7	10748.9	11598.5
65°	4841.9	5333.3	5914.7	6646.6	7752.0	8567.5	8693.1	8956.6	9576.8	10359.8	11204.7
67.5°	5342.6	5834.2	6248.1	6950.5	7983.0	8378.4	8130.3	8162.8	8810.9	9621.7	10381.5
70°	5658.9	6245.0	6460.5	6989.2	7941.2	8097.7	7401.6	6970.6	7490.0	8414.0	9079.1
72.5°	5576.8	6249.6	6226.4	6472.9	7104.0	7249.6	6528.7	5849.6	6158.2	6848.1	7279.1
75°	4776.8	5581.4	5410.9	5361.2	5583.0	5679.1	5138.0	5034.2	5423.3	5806.3	5812.4
77.5°	3438.8	4324.0	4124.0	3837.2	3821.7	4043.5	4116.3	4797.0	5372.1	5674.5	5541.2
80°	2190.7	3150.4	2942.6	2441.9	2434.2	2722.5	3362.8	4288.4	4897.7	5066.7	4719.4
82.5°	1144.2	2062.1	2141.1	1832.6	2097.7	2575.2	3200.0	3455.8	3686.8	3710.1	3300.8
85°	713.2	1268.2	1491.5	1539.5	1894.6	2283.7	2279.1	2189.1	2086.8	1786.1	1615.5
87.5°	80.7	159.7	241.9	229.5	308.6	432.6	539.5	316.3	221.7	80.7	111.6
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°	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3
2.5°	1610.9	1612.4	1614.0	1614.0	1621.7	1620.2	1621.7	1624.8	1629.5	1632.6	1635.6
5°	1623.3	1623.3	1629.5	1634.1	1643.5	1649.6	1652.8	1662.1	1672.8	1669.8	1679.1
7.5°	1663.5	1662.1	1668.2	1671.4	1679.1	1690.0	1688.4	1696.1	1705.4	1708.6	1716.3
10°	1717.9	1713.2	1713.2	1710.1	1711.6	1708.6	1708.6	1708.6	1714.7	1713.2	1719.4
12.5°	1773.7	1772.1	1769.0	1759.7	1759.7	1747.3	1741.1	1733.3	1731.8	1720.9	1722.5
15°	1888.4	1888.4	1882.2	1863.5	1848.1	1837.2	1821.7	1810.9	1795.4	1775.2	1764.4
17.5°	2055.8	2034.2	2026.3	2023.3	1998.4	1989.1	1955.1	1919.4	1902.3	1874.4	1858.9
20°	2260.5	2255.8	2224.9	2209.3	2178.3	2134.9	2091.5	2044.9	2017.0	1983.0	1964.4
22.5°	2491.5	2457.4	2441.9	2418.6	2370.5	2320.9	2255.8	2193.8	2150.4	2127.2	2113.2
25°	2761.2	2727.2	2711.6	2680.7	2621.7	2569.0	2488.4	2415.5	2376.8	2338.0	2316.3
27.5°	3119.4	3086.8	3068.2	2987.6	2967.5	2880.7	2781.4	2682.2	2631.0	2573.7	2536.5
30°	3654.3	3655.8	3559.7	3462.1	3361.2	3210.9	3107.0	2995.4	2911.6	2829.5	2747.3
32.5°	4558.2	4327.2	4148.9	3939.6	3721.0	3561.2	3432.6	3299.3	3183.0	3063.6	2927.2
35°	5110.1	4998.4	4767.5	4384.5	4164.4	3970.5	3827.9	3666.7	3524.0	3313.2	3105.4
37.5°	5733.3	5474.5	5193.8	4981.4	4731.8	4507.0	4268.2	4085.3	3838.8	3555.1	3260.5
40°	6643.5	6272.9	5934.9	5649.6	5327.2	5091.5	4824.9	4559.7	4232.6	3821.7	3417.0
42.5°	7593.8	7210.9	6764.4	6393.8	6014.0	5738.0	5407.8	5035.7	4555.1	4046.5	3551.9
45°	8590.8	8079.1	7544.2	7091.5	6696.1	6353.5	5944.2	5451.2	4865.1	4248.1	3677.5
47.5°	9573.7	8986.1	8348.9	7862.1	7347.3	6928.7	6426.4	5803.1	5107.0	4438.8	3803.1
50°	10440.3	9874.5	9107.0	8488.4	7967.5	7451.2	6824.9	6074.5	5297.7	4603.1	3916.3
52.5°	11187.7	10700.8	9893.1	9111.7	8511.7	7931.9	7145.8	6293.1	5490.0	4755.1	4009.3
55°	11736.5	11412.4	10668.3	9699.3	8990.8	8299.3	7417.1	6503.9	5671.4	4876.0	4069.8
57.5°	12150.5	11970.6	11331.9	10252.8	9431.0	8655.9	7697.7	6756.6	5851.2	4979.8	4097.7
60°	12376.8	12426.4	11834.2	10736.5	9820.2	8953.5	7978.4	6972.1	5984.5	5040.3	4082.2
62.5°	12355.1	12659.0	12211.0	11034.2	10046.6	9130.3	8167.5	7072.9	5965.9	4944.2	3941.1
63°	12313.3	12666.8	12252.8	11054.3	10060.5	9136.5	8172.1	7058.9	5927.2	4897.7	3885.3
65°	11952.0	12488.4	12217.1	10962.9	9936.5	9020.2	8074.5	6857.4	5654.3	4648.1	3598.4
67.5°	10984.5	11655.9	11578.4	10316.3	9348.9	8539.6	7575.2	6207.8	4979.8	4034.2	3049.6
70°	9386.1	10017.1	10031.0	8972.1	8164.4	7370.6	6569.1	5051.2	3947.3	3127.2	2274.4
72.5°	7193.8	7600.0	7741.2	7043.5	6502.4	5944.2	5224.9	3666.7	2814.0	2127.2	1480.7
75°	5570.5	5458.9	5457.4	5162.8	4942.6	4669.8	3879.1	2474.4	1848.1	1383.0	905.4
77.5°	5007.8	4511.7	4031.0	3677.5	3500.8	3409.3	2544.2	1491.5	1090.0	795.4	520.9
80°	4130.3	3398.4	2745.8	2364.4	2212.4	2317.9	1418.6	806.2	596.9	452.7	338.0
82.5°	2848.1	2364.4	1796.9	1488.4	1277.5	1336.5	725.6	412.4	276.0	252.7	209.3
85°	1483.7	1300.8	1097.7	942.6	832.6	731.8	376.7	196.9	114.7	100.7	91.4
87.5°	0.0	1.6	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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3
2.5°	1640.3	1638.8	1641.9	1643.5	1648.1	1651.2	1652.8	1649.6	1654.2	1658.9	1655.8
5°	1683.7	1694.6	1696.1	1700.8	1700.8	1710.1	1710.1	1710.1	1708.6	1710.1	1707.0
7.5°	1720.9	1734.9	1736.5	1742.6	1744.2	1755.1	1750.4	1753.5	1753.5	1745.8	1742.6
10°	1725.6	1739.5	1747.3	1755.1	1765.9	1779.8	1779.8	1787.6	1787.6	1781.4	1779.8
12.5°	1727.2	1738.0	1745.8	1756.6	1772.1	1792.3	1803.1	1814.0	1818.6	1817.0	1812.4
15°	1759.7	1759.7	1761.2	1770.5	1781.4	1806.2	1821.7	1834.2	1841.9	1838.8	1831.0
17.5°	1844.9	1832.6	1823.3	1807.7	1810.9	1823.3	1832.6	1843.5	1844.9	1841.9	1829.5
20°	1944.2	1928.7	1905.4	1880.7	1868.2	1858.9	1852.8	1852.8	1848.1	1832.6	1812.4
22.5°	2085.3	2065.1	2032.6	1995.4	1970.5	1941.1	1905.4	1871.4	1834.2	1796.9	1753.5
25°	2280.7	2252.8	2218.6	2161.2	2108.6	2046.5	1973.7	1897.7	1809.3	1731.8	1668.2
27.5°	2477.5	2415.5	2327.2	2248.1	2150.4	2057.4	1953.5	1860.5	1747.3	1654.2	1584.5
30°	2640.3	2522.5	2395.4	2269.8	2141.1	2015.5	1891.5	1779.8	1655.8	1561.2	1493.0
32.5°	2765.9	2603.1	2426.3	2262.1	2103.9	1950.4	1807.7	1683.7	1558.1	1460.5	1387.6
35°	2882.2	2655.8	2431.0	2227.9	2032.6	1872.8	1711.6	1576.8	1443.5	1341.1	1262.1
37.5°	2969.0	2680.7	2403.1	2164.4	1939.5	1761.2	1596.9	1458.9	1322.5	1210.9	1120.9
40°	3024.9	2665.1	2342.6	2072.8	1829.5	1641.9	1474.4	1331.8	1200.0	1077.5	969.0
42.5°	3069.8	2644.9	2282.2	1989.1	1742.6	1538.0	1365.9	1212.4	1079.1	945.8	826.3
45°	3136.5	2660.5	2255.8	1930.2	1665.1	1449.6	1260.5	1100.8	961.2	831.0	716.3
47.5°	3201.6	2668.2	2217.0	1857.4	1567.5	1358.1	1165.9	1010.9	868.2	748.8	643.4
50°	3260.5	2663.6	2156.6	1764.4	1472.8	1266.7	1080.7	925.6	784.5	674.4	575.2
52.5°	3288.4	2637.2	2082.2	1674.4	1396.9	1186.1	996.9	846.5	707.0	603.1	511.6
55°	3285.3	2569.0	1984.5	1589.1	1313.2	1100.8	914.7	765.9	640.3	544.2	465.1
57.5°	3238.8	2463.5	1880.7	1494.6	1203.1	995.4	818.6	674.4	569.0	488.4	421.7
60°	3141.1	2328.7	1744.2	1356.6	1065.1	865.1	699.3	575.2	490.0	427.9	384.5
62.5°	2958.2	2134.9	1573.7	1164.4	879.1	696.1	551.9	471.4	407.7	370.5	350.4
63°	2903.9	2082.2	1500.8	1117.9	835.6	657.4	520.9	437.2	390.7	358.1	339.5
65°	2634.2	1823.3	1255.8	902.3	649.6	507.0	418.6	355.1	327.2	313.2	311.6
67.5°	2133.3	1434.1	888.4	618.6	441.9	365.9	320.9	294.6	282.1	279.1	282.1
70°	1497.7	905.4	564.4	410.9	327.2	294.6	274.4	263.5	255.8	257.4	260.5
72.5°	955.1	542.6	387.6	311.6	276.0	258.9	249.6	246.5	244.9	243.4	243.4
75°	544.2	361.2	297.7	269.8	251.2	237.2	229.5	226.3	227.9	229.5	226.3
77.5°	359.7	297.7	265.1	246.5	229.5	214.0	209.3	207.7	210.9	214.0	214.0
80°	283.7	265.1	246.5	227.9	200.0	189.1	192.3	193.8	192.3	193.8	189.1
82.5°	200.0	196.9	201.6	193.8	165.9	156.6	153.5	155.1	151.9	151.9	148.8
85°	93.0	93.0	97.7	97.7	94.6	96.1	103.9	113.2	117.9	113.2	107.0
87.5°	0.0	0.0	0.0	0.0	0.0	14.0	27.9	40.3	43.4	54.2	52.7
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: P180998

CATALOG NUMBER: ICM-E05-LED-E1-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3
2.5°	1651.2	1654.2	1652.8	1651.2	1654.2	1651.2	1652.8	1651.2	1651.2	1649.6	1649.6
5°	1703.9	1708.6	1699.3	1697.7	1694.6	1686.8	1686.8	1683.7	1683.7	1677.5	1672.8
7.5°	1738.0	1739.5	1731.8	1730.2	1722.5	1714.7	1708.6	1702.3	1700.8	1696.1	1686.8
10°	1770.5	1767.5	1761.2	1753.5	1745.8	1734.9	1727.2	1719.4	1717.9	1710.1	1699.3
12.5°	1798.4	1796.9	1784.5	1776.8	1764.4	1753.5	1744.2	1734.9	1730.2	1720.9	1705.4
15°	1817.0	1807.7	1792.3	1778.3	1764.4	1751.9	1741.1	1730.2	1725.6	1714.7	1699.3
17.5°	1809.3	1792.3	1772.1	1755.1	1736.5	1720.9	1711.6	1700.8	1693.0	1686.8	1665.1
20°	1781.4	1756.6	1725.6	1705.4	1680.7	1660.5	1654.2	1643.5	1637.2	1614.0	1586.1
22.5°	1708.6	1672.8	1634.1	1604.7	1576.8	1556.6	1541.1	1530.2	1514.7	1500.8	1457.4
25°	1617.0	1576.8	1536.5	1500.8	1463.5	1432.6	1404.7	1378.3	1370.5	1341.1	1299.3
27.5°	1528.7	1483.7	1443.5	1401.6	1353.5	1314.7	1266.7	1229.5	1204.7	1173.7	1134.9
30°	1434.1	1389.1	1334.9	1279.1	1223.3	1181.4	1127.2	1082.1	1051.2	1018.6	983.0
32.5°	1314.7	1260.5	1195.4	1133.3	1082.1	1032.6	978.3	934.9	903.9	874.4	840.3
35°	1178.3	1107.0	1037.2	969.0	914.7	872.8	824.8	792.3	770.5	744.2	708.6
37.5°	1021.7	941.1	866.7	814.0	765.9	725.6	691.4	671.4	648.1	634.1	612.4
40°	863.5	784.5	711.6	663.5	623.3	600.0	581.4	576.7	561.2	542.6	528.7
42.5°	724.0	648.1	576.7	538.0	511.6	505.4	496.1	496.1	488.4	474.4	465.1
45°	629.5	550.4	488.4	460.5	446.5	444.9	440.3	440.3	438.8	432.6	421.7
47.5°	561.2	490.0	441.9	424.8	421.7	418.6	414.0	412.4	410.9	406.2	400.0
50°	499.3	438.8	407.7	400.0	401.6	396.9	392.3	387.6	386.0	381.4	375.2
52.5°	441.9	398.4	378.3	373.7	373.7	373.7	370.5	370.5	367.4	365.9	359.7
55°	409.3	376.7	365.9	364.4	362.8	361.2	358.1	358.1	355.1	353.5	345.8
57.5°	381.4	361.2	355.1	351.9	350.4	347.3	345.8	345.8	345.8	345.8	336.5
60°	359.7	350.4	348.8	345.8	344.2	338.0	334.9	333.3	334.9	336.5	327.2
62.5°	336.5	334.9	333.3	330.2	328.7	322.5	317.9	314.7	317.9	320.9	319.4
63°	330.2	328.7	328.7	327.2	325.6	317.9	313.2	310.0	313.2	316.3	316.3
65°	308.6	310.0	310.0	308.6	307.0	302.3	296.1	293.0	294.6	299.3	300.7
67.5°	285.3	286.8	285.3	286.8	285.3	282.1	277.5	274.4	272.8	274.4	276.0
70°	263.5	266.7	265.1	263.5	262.0	262.0	258.9	254.2	252.7	251.2	251.2
72.5°	244.9	244.9	241.9	241.9	240.3	240.3	237.2	232.6	231.0	231.0	227.9
75°	224.8	224.8	220.2	220.2	217.0	218.6	215.5	210.9	209.3	209.3	207.7
77.5°	212.4	207.7	200.0	198.4	196.9	196.9	195.4	190.7	189.1	189.1	187.6
80°	187.6	178.3	170.5	169.0	170.5	173.7	173.7	170.5	170.5	170.5	170.5
82.5°	145.8	142.6	138.0	134.9	134.9	139.5	145.8	148.8	151.9	155.1	155.1
85°	107.0	108.6	107.0	102.3	100.7	105.4	111.6	117.9	119.3	125.6	124.0
87.5°	57.4	58.9	54.2	52.7	57.4	60.5	66.7	68.2	71.3	72.8	74.4
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-E05-LED-E1-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3
2.5°	1648.1	1646.5	1648.1	1644.9	1644.9	1641.9	1638.8	1637.2	1634.1	1632.6	1629.5
5°	1676.0	1671.4	1666.7	1665.1	1658.9	1652.8	1648.1	1640.3	1634.1	1623.3	1620.2
7.5°	1694.6	1683.7	1677.5	1676.0	1666.7	1662.1	1651.2	1641.9	1632.6	1618.6	1614.0
10°	1702.3	1691.5	1680.7	1676.0	1665.1	1657.4	1646.5	1632.6	1624.8	1610.9	1607.7
12.5°	1711.6	1691.5	1674.4	1662.1	1646.5	1629.5	1618.6	1610.9	1600.0	1592.3	1589.1
15°	1694.6	1668.2	1641.9	1618.6	1593.8	1575.2	1564.4	1551.9	1539.5	1534.9	1534.9
17.5°	1648.1	1614.0	1569.0	1539.5	1513.2	1493.0	1479.1	1466.7	1465.1	1458.9	1462.1
20°	1551.9	1507.0	1463.5	1441.9	1426.3	1414.0	1400.0	1393.8	1389.1	1379.8	1376.8
22.5°	1418.6	1381.4	1350.4	1334.9	1322.5	1307.0	1294.6	1276.0	1271.4	1262.1	1257.4
25°	1271.4	1241.9	1215.5	1204.7	1196.9	1175.2	1167.4	1142.6	1125.6	1114.7	1120.9
27.5°	1124.0	1102.3	1077.5	1063.5	1058.9	1038.8	1031.0	1003.1	989.1	989.1	973.7
30°	972.1	951.9	936.5	920.9	917.9	893.0	872.8	862.1	846.5	840.3	829.5
32.5°	829.5	809.3	796.9	789.1	776.7	756.6	736.5	717.9	693.0	683.7	679.1
35°	697.7	682.1	666.7	660.5	643.4	621.7	596.9	581.4	551.9	541.1	536.5
37.5°	596.9	578.3	567.4	550.4	533.3	510.0	491.4	477.5	466.7	462.0	462.0
40°	516.3	502.3	490.0	476.0	462.0	449.6	440.3	437.2	435.6	435.6	438.8
42.5°	455.8	443.4	437.2	429.5	424.8	424.8	423.3	424.8	426.3	427.9	432.6
45°	415.5	407.7	404.7	403.1	406.2	409.3	410.9	414.0	420.2	423.3	424.8
47.5°	393.8	387.6	386.0	387.6	392.3	398.4	404.7	409.3	414.0	415.5	417.0
50°	372.1	364.4	361.2	364.4	370.5	379.8	384.5	392.3	395.4	398.4	395.4
52.5°	353.5	347.3	345.8	345.8	351.9	358.1	364.4	370.5	372.1	372.1	370.5
55°	338.0	333.3	328.7	331.8	336.5	342.6	351.9	356.6	359.7	361.2	361.2
57.5°	325.6	320.9	316.3	319.4	324.0	330.2	339.5	344.2	347.3	351.9	353.5
60°	316.3	310.0	305.4	310.0	314.7	324.0	331.8	336.5	344.2	345.8	345.8
62.5°	307.0	300.7	293.0	297.7	297.7	302.3	310.0	316.3	324.0	327.2	327.2
63°	305.4	299.3	291.4	294.6	294.6	297.7	303.9	310.0	319.4	322.5	320.9
65°	293.0	291.4	283.7	283.7	280.7	283.7	288.4	294.6	299.3	303.9	303.9
67.5°	272.8	271.4	269.8	269.8	269.8	272.8	276.0	280.7	285.3	288.4	286.8
70°	249.6	249.6	249.6	251.2	251.2	254.2	255.8	254.2	258.9	262.0	260.5
72.5°	229.5	227.9	226.3	229.5	227.9	227.9	231.0	229.5	234.1	234.1	235.6
75°	207.7	206.2	206.2	207.7	204.7	201.6	203.1	203.1	204.7	204.7	207.7
77.5°	189.1	189.1	189.1	187.6	184.5	183.0	181.4	181.4	181.4	181.4	183.0
80°	172.1	172.1	172.1	170.5	167.4	164.4	161.2	159.7	158.1	150.4	150.4
82.5°	155.1	155.1	155.1	155.1	153.5	150.4	145.8	133.3	127.2	120.9	122.5
85°	122.5	125.6	128.7	133.3	131.8	131.8	122.5	107.0	97.7	91.4	93.0
87.5°	79.1	69.8	69.8	68.2	65.1	62.0	62.0	52.7	43.4	38.8	40.3
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: P180998  
 CATALOG NUMBER: ICM-E05-LED-E1-SLL

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	0°
2.5°	1629.5	1626.3	1623.3	1623.3	1618.6	1618.6	1615.5	1621.7	1615.5	1610.9	1610.9	2.5°
5°	1617.0	1614.0	1604.7	1603.1	1596.9	1596.9	1596.9	1593.8	1593.8	1590.7	1589.1	5°
7.5°	1609.3	1601.6	1593.8	1589.1	1589.1	1586.1	1592.3	1589.1	1590.7	1590.7	1592.3	7.5°
10°	1603.1	1596.9	1593.8	1592.3	1592.3	1596.9	1601.6	1603.1	1601.6	1603.1	1603.1	10°
12.5°	1587.6	1590.7	1592.3	1598.4	1606.2	1615.5	1626.3	1627.9	1631.0	1631.0	1634.1	12.5°
15°	1538.0	1545.8	1555.1	1570.5	1590.7	1610.9	1631.0	1648.1	1663.5	1671.4	1677.5	15°
17.5°	1468.2	1476.0	1493.0	1510.1	1536.5	1565.9	1600.0	1629.5	1662.1	1691.5	1720.9	17.5°
20°	1373.7	1386.1	1390.7	1421.7	1452.8	1493.0	1533.3	1579.8	1635.6	1691.5	1748.8	20°
22.5°	1251.2	1265.1	1286.8	1311.6	1344.2	1393.8	1441.9	1514.7	1589.1	1668.2	1758.2	22.5°
25°	1114.7	1130.2	1148.8	1175.2	1207.7	1260.5	1330.2	1407.7	1499.3	1603.1	1714.7	25°
27.5°	973.7	989.1	1004.7	1023.3	1060.5	1116.3	1198.4	1279.1	1379.8	1493.0	1623.3	27.5°
30°	832.6	834.1	843.4	866.7	905.4	978.3	1038.8	1139.5	1244.9	1364.4	1514.7	30°
32.5°	677.5	676.0	686.8	707.0	744.2	814.0	888.4	986.1	1090.0	1240.3	1395.4	32.5°
35°	539.5	539.5	559.7	579.8	621.7	671.4	736.5	823.3	945.8	1085.3	1240.3	35°
37.5°	466.7	477.5	490.0	510.0	542.6	581.4	638.8	714.7	810.9	944.2	1086.8	37.5°
40°	443.4	449.6	460.5	479.1	507.0	542.6	584.5	641.9	716.3	823.3	953.5	40°
42.5°	434.1	435.6	441.9	455.8	480.7	516.3	559.7	610.9	666.7	742.6	855.8	42.5°
45°	424.8	423.3	426.3	437.2	457.4	497.7	547.3	603.1	658.9	722.5	815.5	45°
47.5°	417.0	417.0	417.0	421.7	440.3	480.7	538.0	603.1	669.8	741.1	832.6	47.5°
50°	395.4	393.8	393.8	396.9	410.9	454.2	522.5	601.6	688.4	781.4	885.3	50°
52.5°	370.5	370.5	372.1	373.7	386.0	429.5	505.4	601.6	710.1	834.1	964.4	52.5°
55°	362.8	364.4	365.9	364.4	373.7	410.9	486.8	592.3	719.4	876.0	1049.6	55°
57.5°	356.6	359.7	359.7	358.1	364.4	395.4	468.2	573.7	711.6	891.4	1110.1	57.5°
60°	347.3	347.3	347.3	342.6	345.8	373.7	440.3	544.2	686.8	877.5	1119.4	60°
62.5°	327.2	327.2	324.0	322.5	320.9	342.6	403.1	500.7	641.9	840.3	1096.1	62.5°
63°	322.5	320.9	320.9	316.3	316.3	336.5	395.4	494.6	629.5	831.0	1086.8	63°
65°	305.4	305.4	305.4	302.3	300.7	316.3	364.4	451.2	581.4	787.6	1040.3	65°
67.5°	286.8	288.4	285.3	283.7	282.1	291.4	328.7	396.9	507.0	696.1	953.5	67.5°
70°	260.5	262.0	262.0	260.5	258.9	265.1	288.4	341.1	420.2	579.8	812.4	70°
72.5°	237.2	240.3	240.3	243.4	243.4	248.1	257.4	283.7	336.5	452.7	638.8	72.5°
75°	212.4	214.0	217.0	220.2	217.0	215.5	217.0	237.2	263.5	334.9	455.8	75°
77.5°	190.7	195.4	195.4	193.8	189.1	186.0	186.0	195.4	217.0	254.2	325.6	77.5°
80°	158.1	165.9	167.4	162.8	158.1	158.1	161.2	167.4	181.4	209.3	246.5	80°
82.5°	127.2	134.9	136.5	138.0	136.5	141.1	141.1	142.6	150.4	172.1	201.6	82.5°
85°	97.7	103.9	108.6	110.0	111.6	113.2	111.6	103.9	108.6	122.5	136.5	85°
87.5°	43.4	44.9	41.9	43.4	41.9	43.4	44.9	37.2	35.6	48.1	49.6	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°



NUMBER: P180998

NUMBER: ICM-E05-LED-E1-SLL

**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1626.3	1626.3	1626.3	1626.3	1626.3	1626.3	1626.3
1609.3	1609.3	1610.9	1607.7	1607.7	1609.3	1604.7
1584.5	1590.7	1590.7	1590.7	1587.6	1590.7	1592.3
1590.7	1595.4	1598.4	1598.4	1596.9	1603.1	1607.7
1598.4	1606.2	1609.3	1609.3	1609.3	1617.0	1627.9
1627.9	1634.1	1638.8	1638.8	1641.9	1651.2	1663.5
1682.1	1690.0	1690.0	1688.4	1697.7	1708.6	1722.5
1742.6	1764.4	1775.2	1773.7	1781.4	1795.4	1810.9
1800.0	1860.5	1886.8	1905.4	1913.2	1931.8	1936.5
1848.1	1948.8	2021.7	2083.7	2113.2	2131.8	2153.5
1831.0	1967.5	2097.7	2224.9	2314.7	2406.2	2444.9
1761.2	1931.8	2102.3	2288.4	2451.2	2614.0	2731.8
1676.0	1880.7	2110.1	2373.7	2631.0	2880.7	3079.1
1578.3	1832.6	2127.2	2452.8	2790.7	3117.9	3404.7
1455.8	1741.1	2085.3	2460.5	2858.9	3255.8	3627.9
1300.8	1617.0	1987.6	2404.7	2862.1	3316.3	3761.2
1145.8	1460.5	1863.5	2324.0	2821.7	3330.3	3845.0
1037.2	1320.9	1738.0	2221.7	2756.6	3308.6	3885.3
962.8	1220.2	1626.3	2128.7	2686.8	3269.8	3891.5
956.6	1176.8	1553.5	2060.5	2631.0	3235.6	3891.5
1009.3	1200.0	1528.7	2026.3	2607.7	3224.9	3894.6
1108.6	1293.0	1573.7	2052.8	2626.3	3238.8	3908.6
1227.9	1434.1	1694.6	2144.2	2705.4	3285.3	3939.6
1336.5	1596.9	1900.8	2320.9	2849.6	3403.1	4026.4
1400.0	1736.5	2119.4	2569.0	3096.1	3637.2	4200.0
1407.7	1814.0	2313.2	2838.8	3395.4	3905.4	4477.5
1401.6	1820.2	2338.0	2890.0	3458.9	3972.1	4573.7
1367.5	1821.7	2407.7	3069.8	3679.1	4252.8	4841.9
1280.7	1772.1	2432.6	3210.9	3956.6	4621.7	5342.6
1130.2	1631.0	2359.7	3214.0	4063.6	4827.9	5658.9
908.6	1362.8	2044.9	2924.0	3781.4	4624.9	5576.8
665.1	1001.6	1545.8	2265.1	3085.3	3849.6	4776.8
441.9	648.1	1041.9	1614.0	2212.4	2770.5	3438.8
303.9	401.6	609.3	970.5	1353.5	1624.8	2190.7
223.3	265.1	338.0	496.1	651.2	801.6	1144.2
139.5	151.9	169.0	244.9	350.4	472.8	713.2
37.2	38.8	35.6	48.1	76.0	72.8	80.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

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