

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1435881

Luminaire Tested: SQ2W-FA-K-150U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1435881  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FA-K-150U-125D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1500 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

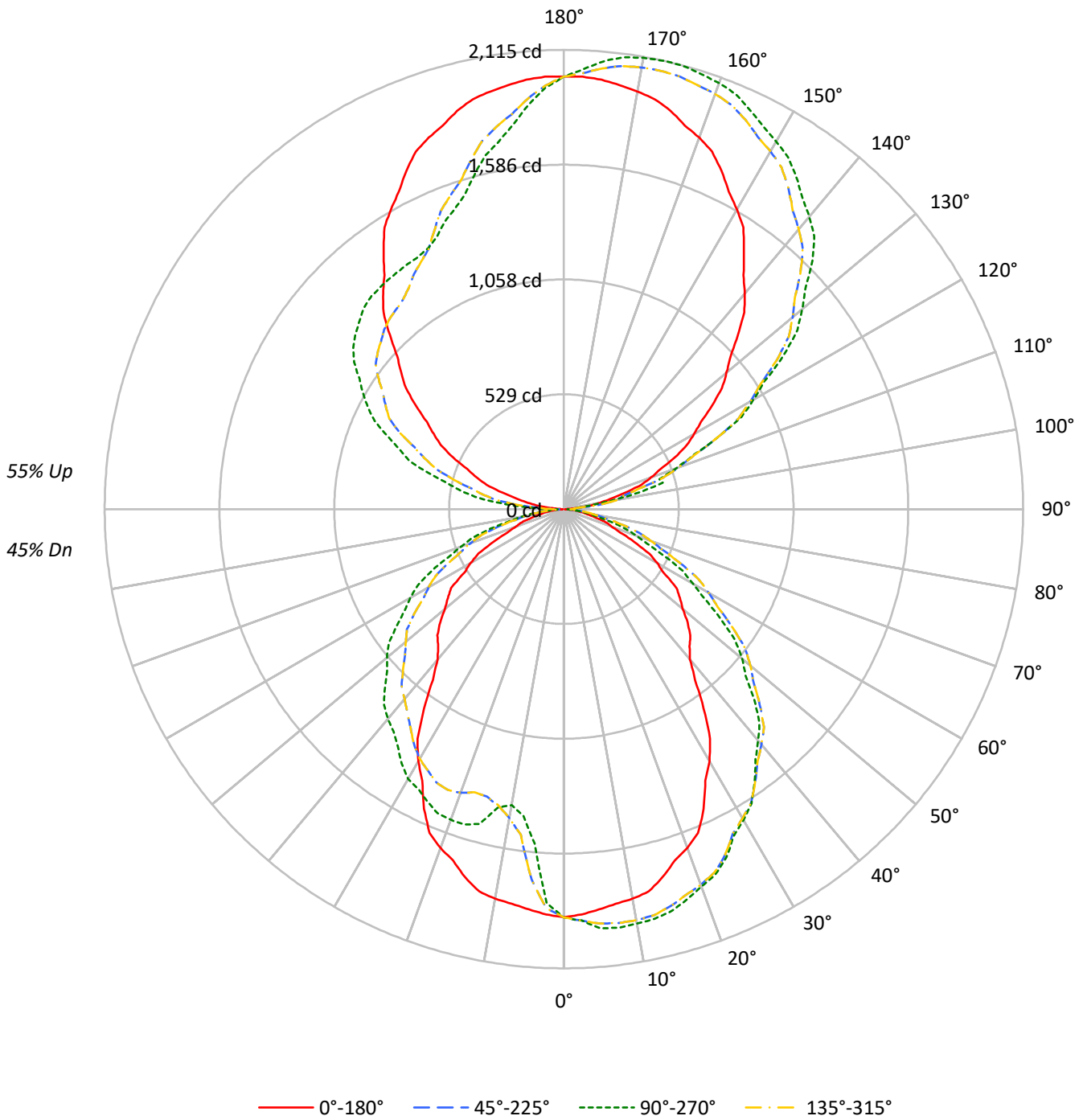
Lumens per Lamp: N/A  
Luminaire Lumens: 10491.3 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 104.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	97	92	89	85	88	85	82	79	71	68	66	57	56	54	45	44	43	38
2	88	81	75	70	80	74	69	65	62	58	55	50	48	45	40	38	37	32
3	80	71	64	58	73	65	59	54	55	50	46	45	41	38	35	33	31	27
4	73	63	55	49	67	58	51	46	48	43	39	40	36	33	32	29	27	23
5	67	56	48	42	61	52	44	39	43	38	34	36	32	28	28	26	23	20
6	62	50	42	36	57	46	39	34	39	33	29	32	28	25	26	23	21	18
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	24	21	18	16
8	53	41	33	28	49	38	31	26	32	27	23	27	23	20	22	19	16	14
9	49	37	30	25	45	35	28	23	29	24	20	25	20	18	20	17	15	12
10	46	34	27	22	42	32	25	21	27	22	18	23	19	16	18	15	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	30352	30352	30352	30352
5°	29996	31413	29996	25035
10°	29864	31776	29864	22697
15°	29352	32031	29352	25089
20°	28544	31800	28544	26166
25°	27130	31543	27130	26480
30°	24995	30836	24995	26761
35°	22117	30160	22117	26281
40°	19043	29332	19043	26569
45°	18801	28284	18801	26619
50°	17937	26904	17937	26721
55°	17844	24819	17844	26460
60°	16000	22116	16000	26353
65°	13639	19488	13639	25612
70°	11009	16513	11009	23735
75°	9544	13637	9544	21821
80°	8126	10163	8126	17610
85°	5391	5391	5391	10800

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 29172 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.1	1.6
10°-20°	472.6	4.5
20°-30°	717.8	6.8
30°-40°	842.7	8.0
40°-50°	855.2	8.2
50°-60°	749.0	7.1
60°-70°	531.3	5.1
70°-80°	273.5	2.6
80°-90°	65.6	0.6
90°-100°	158.5	1.5
100°-110°	462.2	4.4
110°-120°	754.2	7.2
120°-130°	957.1	9.1
130°-140°	1024.1	9.8
140°-150°	956.3	9.1
150°-160°	786.9	7.5
160°-170°	527.7	5.0
170°-180°	187.4	1.8
0°-30°	1359.5	13.0
0°-40°	2202.2	21.0
0°-60°	3806.4	36.3
0°-90°	4676.8	44.6
90°-120°	1374.9	13.1
90°-150°	4312.4	41.1
90°-180°	5814.0	55.4
0°-180°	10491.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1880	1880	1880	1880	1880	
5°	1851	1938	1851	1545	1851	176
15°	1756	1916	1756	1501	1756	493
25°	1523	1771	1523	1486	1523	695
35°	1122	1530	1122	1333	1122	699
45°	823	1239	823	1166	823	630
55°	634	882	634	940	634	548
65°	357	510	357	670	357	357
75°	153	219	153	350	153	165
85°	29	29	29	58	29	37
90°	6	44	6	86	6	6
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9
2.5°	1868.2	1881.2	1894.2	1897.4	1897.4	1897.4	1897.4	1897.4	1897.4	1897.4	1897.4
5°	1850.8	1873.4	1896.1	1906.6	1913.1	1918.0	1921.2	1925.2	1931.7	1938.2	1931.7
7.5°	1833.3	1863.7	1894.2	1909.1	1918.8	1926.5	1932.4	1937.6	1940.8	1944.0	1940.8
10°	1821.6	1857.2	1892.9	1909.1	1918.8	1925.2	1928.5	1931.7	1935.0	1938.2	1935.0
12.5°	1804.1	1842.3	1880.6	1899.3	1911.6	1919.4	1922.7	1925.9	1929.1	1932.4	1929.1
15°	1756.0	1807.9	1859.7	1879.9	1889.6	1897.7	1904.2	1909.9	1913.1	1916.3	1913.1
17.5°	1696.3	1759.1	1821.9	1847.4	1860.3	1869.7	1875.5	1880.6	1883.1	1885.7	1883.1
20°	1661.3	1729.3	1797.3	1824.0	1837.0	1845.1	1848.3	1850.8	1850.8	1850.8	1850.8
22.5°	1614.7	1690.5	1766.2	1794.9	1807.9	1814.7	1815.3	1816.4	1819.0	1821.6	1819.0
25°	1522.9	1610.3	1697.7	1734.2	1753.6	1761.7	1758.5	1757.7	1764.1	1770.6	1764.1
27.5°	1410.7	1520.8	1630.9	1668.1	1681.1	1689.2	1692.4	1694.8	1694.8	1694.8	1694.8
30°	1340.7	1463.8	1586.8	1627.3	1640.3	1648.4	1651.6	1654.0	1654.0	1654.0	1654.0
32.5°	1253.3	1399.6	1546.0	1590.4	1600.8	1606.3	1606.9	1607.4	1607.4	1607.4	1607.4
35°	1122.1	1300.2	1478.3	1527.7	1534.2	1537.4	1537.4	1536.6	1533.4	1530.2	1533.4
37.5°	991.0	1193.0	1395.1	1452.9	1462.6	1465.2	1460.7	1456.5	1453.2	1450.0	1453.2
40°	903.5	1123.7	1343.9	1406.3	1416.0	1416.0	1406.3	1398.2	1395.0	1391.7	1395.0
42.5°	856.9	1074.5	1292.1	1353.8	1363.5	1362.2	1349.9	1339.9	1336.7	1333.4	1336.7
45°	823.4	1017.7	1212.0	1267.8	1277.6	1275.9	1263.0	1251.7	1245.2	1238.7	1245.2
47.5°	772.4	943.4	1114.3	1169.2	1185.4	1183.8	1164.4	1148.2	1141.7	1135.2	1141.7
50°	714.1	882.5	1050.9	1105.1	1121.3	1119.7	1100.3	1084.1	1077.6	1071.1	1077.6
52.5°	673.3	831.3	989.3	1039.0	1052.7	1048.4	1026.4	1008.3	1001.8	995.3	1001.8
55°	633.9	766.7	899.5	940.0	949.7	943.2	920.5	901.1	891.4	881.7	891.4
57.5°	542.1	668.4	794.7	834.1	844.4	836.6	810.7	788.6	777.5	766.5	777.5
60°	495.5	608.8	722.2	760.2	773.2	766.7	740.8	717.3	701.1	684.9	701.1
62.5°	443.0	543.4	643.8	682.5	700.6	696.7	670.8	647.4	631.2	615.0	631.2
65°	357.0	444.5	531.9	570.8	593.4	591.8	565.9	542.4	526.2	510.1	526.2
67.5°	279.8	354.9	430.1	468.3	494.2	492.9	464.4	439.8	426.8	413.9	426.8
70°	233.2	297.9	362.7	398.3	424.2	424.2	398.3	375.7	362.7	349.8	362.7
72.5°	204.0	253.2	302.5	336.1	364.6	364.6	336.1	312.2	301.8	291.5	301.8
75°	153.0	182.2	211.3	242.9	275.3	278.5	252.6	231.5	225.1	218.6	225.1
77.5°	110.8	124.4	138.0	162.7	191.2	194.5	172.4	155.3	152.7	150.1	152.7
80°	87.4	90.7	93.9	114.2	140.1	143.3	123.9	109.3	109.3	109.3	109.3
82.5°	58.3	61.5	64.8	79.2	97.3	99.3	85.0	73.7	71.1	68.5	71.1
85°	29.1	29.1	29.1	34.0	40.5	40.5	34.0	29.1	29.1	29.1	29.1
87.5°	7.0	8.6	10.7	14.2	18.0	18.4	15.8	14.3	14.7	14.7	14.7
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9
2.5°	1897.4	1897.4	1897.4	1897.4	1897.4	1894.2	1881.2	1868.2	1868.2	1868.2	1858.5
5°	1925.2	1921.2	1918.0	1913.1	1906.6	1896.1	1873.4	1850.8	1841.0	1831.3	1790.0
7.5°	1937.6	1932.4	1926.5	1918.8	1909.1	1894.2	1863.7	1833.3	1789.9	1746.5	1654.5
10°	1931.7	1928.5	1925.2	1918.8	1909.1	1892.9	1857.2	1821.6	1734.2	1646.7	1559.3
12.5°	1925.9	1922.7	1919.4	1911.6	1899.3	1880.6	1842.3	1804.1	1680.4	1556.7	1477.7
15°	1909.9	1904.2	1897.7	1889.6	1879.9	1859.7	1807.9	1756.0	1616.8	1477.5	1411.1
17.5°	1880.6	1875.5	1869.7	1860.3	1847.4	1821.9	1759.1	1696.3	1550.6	1404.8	1362.1
20°	1850.8	1848.3	1845.1	1837.0	1824.0	1797.3	1729.3	1661.3	1515.6	1369.9	1350.4
22.5°	1816.4	1815.3	1814.7	1807.9	1794.9	1766.2	1690.5	1614.7	1471.5	1328.4	1329.1
25°	1757.7	1758.5	1761.7	1753.6	1734.2	1697.7	1610.3	1522.9	1396.6	1270.3	1292.1
27.5°	1694.8	1692.4	1689.2	1681.1	1668.1	1630.9	1520.8	1410.7	1310.9	1211.2	1247.4
30°	1654.0	1651.6	1648.4	1640.3	1627.3	1586.8	1463.8	1340.7	1256.5	1172.3	1214.4
32.5°	1607.4	1606.9	1606.3	1600.8	1590.4	1546.0	1399.6	1253.3	1192.4	1131.5	1175.5
35°	1536.6	1537.4	1537.4	1534.2	1527.7	1478.3	1300.2	1122.1	1096.2	1070.3	1122.1
37.5°	1456.5	1460.7	1465.2	1462.6	1452.9	1395.1	1193.0	991.0	999.4	1007.8	1070.6
40°	1398.2	1406.3	1416.0	1416.0	1406.3	1343.9	1123.7	903.5	932.7	961.8	1029.8
42.5°	1339.9	1349.9	1362.2	1363.5	1353.8	1292.1	1074.5	856.9	888.6	920.4	991.0
45°	1251.7	1263.0	1275.9	1277.6	1267.8	1212.0	1017.7	823.4	842.8	862.2	930.2
47.5°	1148.2	1164.4	1183.8	1185.4	1169.2	1114.3	943.4	772.4	786.6	800.9	870.5
50°	1084.1	1100.3	1119.7	1121.3	1105.1	1050.9	882.5	714.1	733.5	752.9	825.8
52.5°	1008.3	1026.4	1048.4	1052.7	1039.0	989.3	831.3	673.3	684.9	696.6	775.3
55°	901.1	920.5	943.2	949.7	940.0	899.5	766.7	633.9	624.2	614.5	694.6
57.5°	788.6	810.7	836.6	844.4	834.1	794.7	668.4	542.1	533.7	525.3	612.1
60°	717.3	740.8	766.7	773.2	760.2	722.2	608.8	495.5	479.3	463.1	553.8
62.5°	647.4	670.8	696.7	700.6	682.5	643.8	543.4	443.0	432.0	421.0	509.1
65°	542.4	565.9	591.8	593.4	570.8	531.9	444.5	357.0	363.5	370.0	449.3
67.5°	439.8	464.4	492.9	494.2	468.3	430.1	354.9	279.8	301.2	322.5	394.0
70°	375.7	398.3	424.2	424.2	398.3	362.7	297.9	233.2	262.3	291.5	357.0
72.5°	312.2	336.1	364.6	364.6	336.1	302.5	253.2	204.0	233.2	262.3	316.2
75°	231.5	252.6	278.5	275.3	242.9	211.3	182.2	153.0	182.2	211.3	252.6
77.5°	155.3	172.4	194.5	191.2	162.7	138.0	124.4	110.8	134.7	158.7	187.5
80°	109.3	123.9	143.3	140.1	114.2	93.9	90.7	87.4	103.6	119.8	140.9
82.5°	73.7	85.0	99.3	97.3	79.2	64.8	61.5	58.3	71.9	85.5	100.1
85°	29.1	34.0	40.5	40.5	34.0	29.1	29.1	29.1	35.6	42.1	48.6
87.5°	14.3	15.8	18.4	18.0	14.2	10.7	8.6	7.0	11.2	15.4	18.9
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1435881

CATALOG NUMBER: SQ2W-FA-K-150U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1435881

CATALOG NUMBER: SQ2W-FA-K-150U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9	1879.9
2.5°	1845.6	1835.2	1827.4	1821.0	1818.4	1815.8	1818.4	1821.0	1827.4	1835.2	1845.6
5°	1738.2	1683.2	1624.9	1577.1	1560.9	1544.7	1560.9	1577.1	1624.9	1683.2	1738.2
7.5°	1546.3	1480.0	1455.3	1435.6	1430.4	1425.2	1430.4	1435.6	1455.3	1480.0	1546.3
10°	1471.9	1418.4	1399.0	1384.4	1384.4	1384.4	1384.4	1384.4	1399.0	1418.4	1471.9
12.5°	1413.6	1380.9	1379.6	1381.8	1394.8	1407.7	1394.8	1381.8	1379.6	1380.9	1413.6
15°	1369.0	1373.9	1425.7	1468.6	1484.8	1501.0	1484.8	1468.6	1425.7	1373.9	1369.0
17.5°	1353.7	1381.5	1445.6	1497.0	1509.9	1522.9	1509.9	1497.0	1445.6	1381.5	1353.7
20°	1373.1	1408.7	1457.3	1497.0	1509.9	1522.9	1509.9	1497.0	1457.3	1408.7	1373.1
22.5°	1377.6	1421.0	1459.2	1491.1	1504.1	1517.0	1504.1	1491.1	1459.2	1421.0	1377.6
25°	1363.4	1415.2	1447.6	1473.5	1480.0	1486.4	1480.0	1473.5	1447.6	1415.2	1363.4
27.5°	1329.1	1386.0	1418.4	1443.9	1448.4	1452.9	1448.4	1443.9	1418.4	1386.0	1329.1
30°	1298.6	1356.9	1389.3	1416.0	1425.7	1435.4	1425.7	1416.0	1389.3	1356.9	1298.6
32.5°	1254.6	1314.2	1354.3	1384.9	1386.9	1388.8	1386.9	1384.9	1354.3	1314.2	1254.6
35°	1199.8	1261.4	1306.7	1339.9	1336.7	1333.4	1336.7	1339.9	1306.7	1261.4	1199.8
37.5°	1151.6	1211.8	1251.3	1281.9	1285.8	1289.7	1285.8	1281.9	1251.3	1211.8	1151.6
40°	1110.8	1172.3	1214.4	1247.6	1254.1	1260.6	1254.1	1247.6	1214.4	1172.3	1110.8
42.5°	1074.5	1137.3	1179.4	1212.6	1219.1	1225.6	1219.1	1212.6	1179.4	1137.3	1074.5
45°	1014.4	1079.2	1124.5	1159.4	1162.6	1165.8	1162.6	1159.4	1124.5	1079.2	1014.4
47.5°	958.6	1023.7	1065.8	1098.2	1101.4	1104.6	1101.4	1098.2	1065.8	1023.7	958.6
50°	916.5	982.9	1025.0	1057.3	1060.6	1063.8	1060.6	1057.3	1025.0	982.9	916.5
52.5°	876.3	945.3	982.2	1010.7	1014.0	1017.2	1014.0	1010.7	982.2	945.3	876.3
55°	804.7	877.6	913.2	940.0	940.0	940.0	940.0	940.0	913.2	877.6	804.7
57.5°	730.6	805.4	836.5	860.8	864.7	868.5	864.7	860.8	836.5	805.4	730.6
60°	680.1	756.2	782.1	803.1	809.6	816.1	809.6	803.1	782.1	756.2	680.1
62.5°	630.2	703.7	729.6	750.0	753.9	757.8	753.9	750.0	729.6	703.7	630.2
65°	553.0	617.7	643.6	663.9	667.1	670.4	667.1	663.9	643.6	617.7	553.0
67.5°	482.0	535.1	553.3	567.5	570.1	572.7	570.1	567.5	553.3	535.1	482.0
70°	434.8	480.1	493.1	502.8	502.8	502.8	502.8	502.8	493.1	480.1	434.8
72.5°	378.4	416.0	428.9	439.3	441.9	444.5	441.9	439.3	428.9	416.0	378.4
75°	297.9	325.5	335.2	343.3	346.5	349.8	346.5	343.3	335.2	325.5	297.9
77.5°	217.9	236.1	241.9	247.1	250.3	253.6	250.3	247.1	241.9	236.1	217.9
80°	163.5	176.5	179.7	183.0	186.2	189.4	186.2	183.0	179.7	176.5	163.5
82.5°	115.0	124.0	127.3	129.9	130.5	131.2	130.5	129.9	127.3	124.0	115.0
85°	55.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	55.1
87.5°	20.9	23.7	26.5	28.2	29.8	29.0	29.8	28.2	26.5	23.7	20.9
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1435881

CATALOG NUMBER: SQ2W-FA-K-150U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1435881

CATALOG NUMBER: SQ2W-FA-K-150U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1879.9	1879.9	1879.9	1879.9
2.5°	1858.5	1868.2	1868.2	1868.2
5°	1790.0	1831.3	1841.0	1850.8
7.5°	1654.5	1746.5	1789.9	1833.3
10°	1559.3	1646.7	1734.2	1821.6
12.5°	1477.7	1556.7	1680.4	1804.1
15°	1411.1	1477.5	1616.8	1756.0
17.5°	1362.1	1404.8	1550.6	1696.3
20°	1350.4	1369.9	1515.6	1661.3
22.5°	1329.1	1328.4	1471.5	1614.7
25°	1292.1	1270.3	1396.6	1522.9
27.5°	1247.4	1211.2	1310.9	1410.7
30°	1214.4	1172.3	1256.5	1340.7
32.5°	1175.5	1131.5	1192.4	1253.3
35°	1122.1	1070.3	1096.2	1122.1
37.5°	1070.6	1007.8	999.4	991.0
40°	1029.8	961.8	932.7	903.5
42.5°	991.0	920.4	888.6	856.9
45°	930.2	862.2	842.8	823.4
47.5°	870.5	800.9	786.6	772.4
50°	825.8	752.9	733.5	714.1
52.5°	775.3	696.6	684.9	673.3
55°	694.6	614.5	624.2	633.9
57.5°	612.1	525.3	533.7	542.1
60°	553.8	463.1	479.3	495.5
62.5°	509.1	421.0	432.0	443.0
65°	449.3	370.0	363.5	357.0
67.5°	394.0	322.5	301.2	279.8
70°	357.0	291.5	262.3	233.2
72.5°	316.2	262.3	233.2	204.0
75°	252.6	211.3	182.2	153.0
77.5°	187.5	158.7	134.7	110.8
80°	140.9	119.8	103.6	87.4
82.5°	100.1	85.5	71.9	58.3
85°	48.6	42.1	35.6	29.1
87.5°	18.9	15.4	11.2	7.0
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



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**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1435881  
 CATALOG NUMBER: SQ2W-FA-K-150U-125D-L935-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.71	18.52	18.71	19.54	20.88	18.91	19.72	19.91	20.74	22.08
	3H	18.80	19.52	19.81	20.55	21.91	20.15	20.88	21.16	21.90	23.27
	4H	19.15	19.84	20.17	20.86	22.24	20.54	21.23	21.56	22.25	23.63
	6H	19.30	19.94	20.34	20.97	22.36	20.70	21.33	21.73	22.36	23.75
	8H	19.34	19.94	20.38	20.99	22.37	20.72	21.32	21.76	22.37	23.75
	12H	19.33	19.91	20.38	20.95	22.35	20.70	21.28	21.75	22.32	23.72
4H	2H	18.57	19.26	19.60	20.29	21.66	19.49	20.18	20.52	21.20	22.58
	3H	19.96	20.53	21.00	21.58	22.97	20.95	21.52	21.99	22.57	23.96
	4H	20.41	20.94	21.46	21.98	23.39	21.42	21.95	22.47	22.99	24.40
	6H	20.64	21.09	21.69	22.16	23.56	21.64	22.09	22.70	23.16	24.57
	8H	20.69	21.11	21.75	22.18	23.60	21.69	22.11	22.74	23.17	24.59
	12H	20.69	21.07	21.77	22.15	23.57	21.67	22.05	22.75	23.13	24.56
8H	4H	20.79	21.21	21.85	22.27	23.69	21.61	22.03	22.67	23.09	24.52
	6H	21.14	21.49	22.22	22.59	24.01	21.92	22.27	23.01	23.37	24.79
	8H	21.25	21.56	22.34	22.65	24.08	22.02	22.32	23.11	23.41	24.85
	12H	21.29	21.56	22.38	22.64	24.12	22.03	22.30	23.12	23.38	24.86
12H	4H	20.79	21.17	21.87	22.25	23.67	21.58	21.96	22.65	23.03	24.46
	6H	21.21	21.51	22.30	22.60	24.04	21.94	22.25	23.03	23.33	24.77
	8H	21.35	21.62	22.44	22.70	24.18	22.05	22.32	23.15	23.40	24.88