

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: P1435880

Luminaire Tested: SQ2W-FA-K-150U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435880
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-L930-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

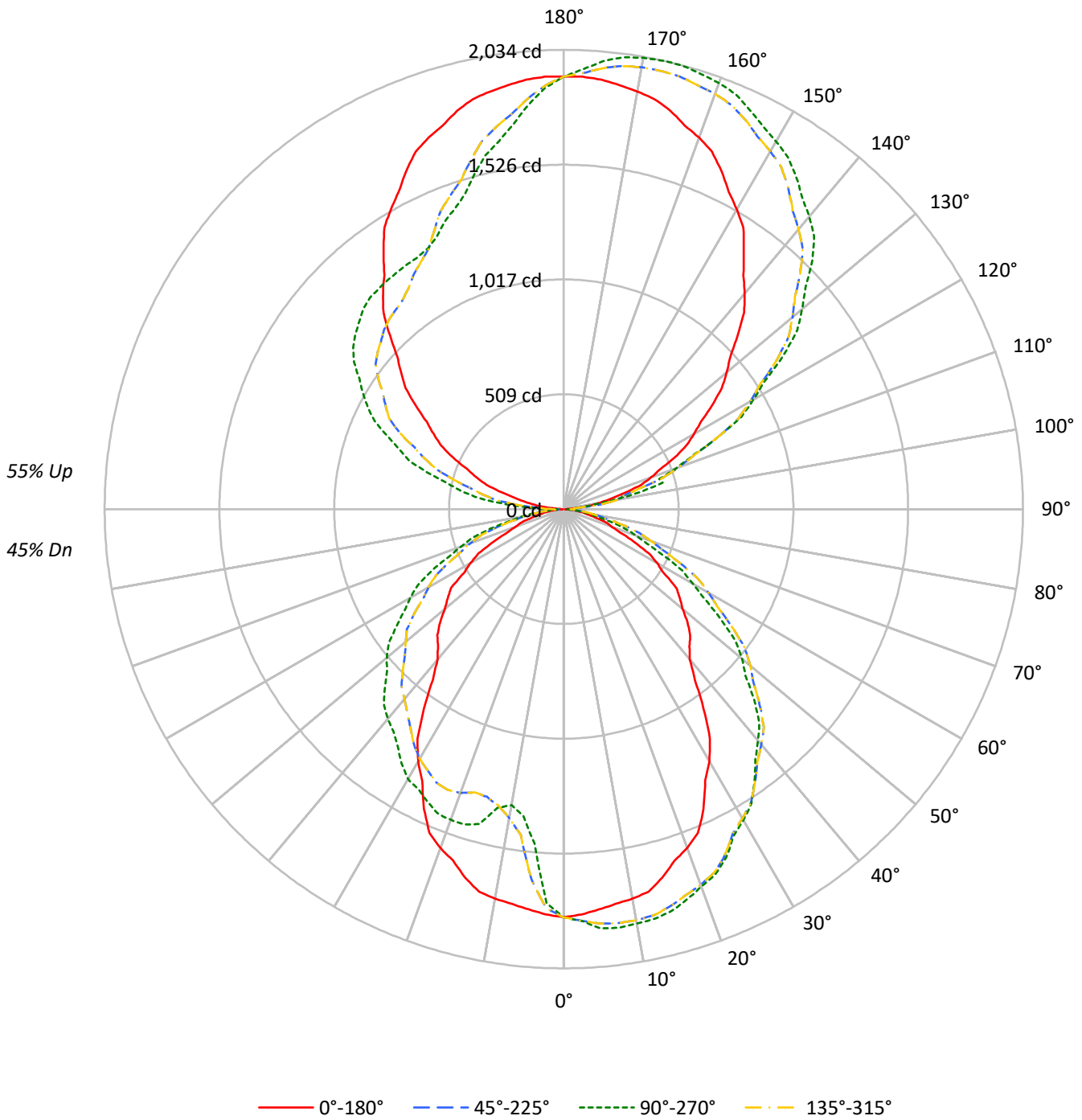
Lumens per Lamp: N/A
Luminaire Lumens: 10090.5 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.3
Input Voltage (V): 120
Input Current (A_{in}): 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	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°	29193	29193	29193	29193
5°	28850	30214	28850	24079
10°	28723	30563	28723	21829
15°	28232	30808	28232	24132
20°	27453	30585	27453	25166
25°	26093	30338	26093	25470
30°	24041	29658	24041	25739
35°	21271	29007	21271	25278
40°	18315	28211	18315	25553
45°	18082	27204	18082	25603
50°	17251	25877	17251	25701
55°	17162	23870	17162	25447
60°	15390	21273	15390	25345
65°	13119	18743	13119	24630
70°	10588	15880	10588	22829
75°	9183	13113	9183	20985
80°	7819	9772	7819	16941
85°	5187	5187	5187	10392

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 28058 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.7	1.6
10°-20°	454.6	4.5
20°-30°	690.3	6.8
30°-40°	810.5	8.0
40°-50°	822.5	8.2
50°-60°	720.4	7.1
60°-70°	511.0	5.1
70°-80°	263.1	2.6
80°-90°	63.1	0.6
90°-100°	152.4	1.5
100°-110°	444.5	4.4
110°-120°	725.4	7.2
120°-130°	920.5	9.1
130°-140°	985.0	9.8
140°-150°	919.8	9.1
150°-160°	756.8	7.5
160°-170°	507.6	5.0
170°-180°	180.2	1.8
0°-30°	1307.6	13.0
0°-40°	2118.1	21.0
0°-60°	3661.0	36.3
0°-90°	4498.2	44.6
90°-120°	1322.4	13.1
90°-150°	4147.7	41.1
90°-180°	5592.0	55.4
0°-180°	10090.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1808	1808	1808	1808	1808	
5°	1780	1864	1780	1486	1780	169
15°	1689	1843	1689	1444	1689	474
25°	1465	1703	1465	1430	1465	669
35°	1079	1472	1079	1282	1079	672
45°	792	1191	792	1121	792	605
55°	610	848	610	904	610	527
65°	343	491	343	645	343	343
75°	147	210	147	336	147	159
85°	28	28	28	56	28	35
90°	6	43	6	83	6	5
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1
2.5°	1796.9	1809.3	1821.8	1824.9	1824.9	1824.9	1824.9	1824.9	1824.9	1824.9	1824.9
5°	1780.1	1801.9	1823.7	1833.8	1840.0	1844.7	1847.8	1851.7	1857.9	1864.2	1857.9
7.5°	1763.2	1792.5	1821.8	1836.1	1845.5	1852.9	1858.5	1863.5	1866.6	1869.8	1866.6
10°	1752.0	1786.3	1820.5	1836.1	1845.5	1851.7	1854.8	1857.9	1861.0	1864.2	1861.0
12.5°	1735.2	1772.0	1808.7	1826.8	1838.6	1846.1	1849.2	1852.3	1855.4	1858.5	1855.4
15°	1689.0	1738.8	1788.6	1808.1	1817.4	1825.2	1831.5	1836.9	1840.0	1843.1	1840.0
17.5°	1631.5	1691.9	1752.3	1776.8	1789.2	1798.3	1803.9	1808.7	1811.2	1813.7	1811.2
20°	1597.8	1663.3	1728.7	1754.4	1766.8	1774.6	1777.7	1780.1	1780.1	1780.1	1780.1
22.5°	1553.0	1625.9	1698.8	1726.3	1738.8	1745.3	1746.0	1747.0	1749.5	1752.0	1749.5
25°	1464.7	1548.8	1632.9	1667.9	1686.6	1694.4	1691.3	1690.5	1696.7	1703.0	1696.7
27.5°	1356.8	1462.7	1568.6	1604.4	1616.8	1624.6	1627.7	1630.1	1630.1	1630.1	1630.1
30°	1289.5	1407.8	1526.2	1565.1	1577.6	1585.4	1588.5	1590.8	1590.8	1590.8	1590.8
32.5°	1205.4	1346.2	1487.0	1529.6	1539.6	1544.9	1545.5	1546.0	1546.0	1546.0	1546.0
35°	1079.2	1250.6	1421.9	1469.4	1475.6	1478.7	1478.7	1477.9	1474.8	1471.7	1474.8
37.5°	953.1	1147.5	1341.8	1397.4	1406.8	1409.3	1404.9	1400.8	1397.7	1394.6	1397.7
40°	869.0	1080.8	1292.6	1352.6	1361.9	1361.9	1352.6	1344.8	1341.7	1338.5	1341.7
42.5°	824.2	1033.5	1242.8	1302.1	1311.4	1310.2	1298.4	1288.7	1285.6	1282.5	1285.6
45°	791.9	978.8	1165.7	1219.4	1228.8	1227.2	1214.7	1203.8	1197.6	1191.4	1197.6
47.5°	742.9	907.3	1071.8	1124.6	1140.1	1138.6	1119.9	1104.3	1098.1	1091.9	1098.1
50°	686.8	848.8	1010.7	1062.9	1078.5	1076.9	1058.2	1042.6	1036.4	1030.2	1036.4
52.5°	647.5	799.5	951.5	999.4	1012.4	1008.4	987.2	969.8	963.5	957.3	963.5
55°	609.7	737.4	865.1	904.0	913.4	907.2	885.4	866.7	857.3	848.0	857.3
57.5°	521.4	642.9	764.4	802.2	812.2	804.7	779.8	758.4	747.8	737.3	747.8
60°	476.6	585.6	694.6	731.2	743.6	737.4	712.5	689.9	674.3	658.8	674.3
62.5°	426.1	522.6	619.2	656.4	673.9	670.1	645.2	622.6	607.1	591.5	607.1
65°	343.4	427.5	511.6	549.0	570.8	569.2	544.3	521.7	506.1	490.6	506.1
67.5°	269.1	341.4	413.6	450.4	475.3	474.1	446.6	423.0	410.5	398.1	410.5
70°	224.3	286.6	348.8	383.1	408.0	408.0	383.1	361.3	348.8	336.4	348.8
72.5°	196.2	243.6	290.9	323.3	350.7	350.7	323.3	300.3	290.3	280.3	290.3
75°	147.2	175.2	203.2	233.6	264.8	267.9	242.9	222.7	216.5	210.2	216.5
77.5°	106.5	119.6	132.7	156.5	183.9	187.0	165.9	149.4	146.9	144.4	146.9
80°	84.1	87.2	90.3	109.8	134.7	137.8	119.1	105.1	105.1	105.1	105.1
82.5°	56.1	59.2	62.3	76.2	93.6	95.5	81.8	70.9	68.4	65.9	68.4
85°	28.0	28.0	28.0	32.7	38.9	38.9	32.7	28.0	28.0	28.0	28.0
87.5°	6.8	8.3	10.2	13.7	17.3	17.7	15.2	13.7	14.1	14.1	14.1
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1
2.5°	1824.9	1824.9	1824.9	1824.9	1824.9	1821.8	1809.3	1796.9	1796.9	1796.9	1787.5
5°	1851.7	1847.8	1844.7	1840.0	1833.8	1823.7	1801.9	1780.1	1770.7	1761.4	1721.7
7.5°	1863.5	1858.5	1852.9	1845.5	1836.1	1821.8	1792.5	1763.2	1721.5	1679.8	1591.3
10°	1857.9	1854.8	1851.7	1845.5	1836.1	1820.5	1786.3	1752.0	1667.9	1583.8	1499.7
12.5°	1852.3	1849.2	1846.1	1838.6	1826.8	1808.7	1772.0	1735.2	1616.2	1497.2	1421.2
15°	1836.9	1831.5	1825.2	1817.4	1808.1	1788.6	1738.8	1689.0	1555.0	1421.1	1357.2
17.5°	1808.7	1803.9	1798.3	1789.2	1776.8	1752.3	1691.9	1631.5	1491.3	1351.2	1310.0
20°	1780.1	1777.7	1774.6	1766.8	1754.4	1728.7	1663.3	1597.8	1457.7	1317.5	1298.8
22.5°	1747.0	1746.0	1745.3	1738.8	1726.3	1698.8	1625.9	1553.0	1415.3	1277.7	1278.3
25°	1690.5	1691.3	1694.4	1686.6	1667.9	1632.9	1548.8	1464.7	1343.2	1221.7	1242.8
27.5°	1630.1	1627.7	1624.6	1616.8	1604.4	1568.6	1462.7	1356.8	1260.8	1164.9	1199.8
30°	1590.8	1588.5	1585.4	1577.6	1565.1	1526.2	1407.8	1289.5	1208.5	1127.5	1168.0
32.5°	1546.0	1545.5	1544.9	1539.6	1529.6	1487.0	1346.2	1205.4	1146.8	1088.3	1130.6
35°	1477.9	1478.7	1478.7	1475.6	1469.4	1421.9	1250.6	1079.2	1054.3	1029.4	1079.2
37.5°	1400.8	1404.9	1409.3	1406.8	1397.4	1341.8	1147.5	953.1	961.2	969.3	1029.7
40°	1344.8	1352.6	1361.9	1361.9	1352.6	1292.6	1080.8	869.0	897.0	925.1	990.5
42.5°	1288.7	1298.4	1310.2	1311.4	1302.1	1242.8	1033.5	824.2	854.7	885.2	953.1
45°	1203.8	1214.7	1227.2	1228.8	1219.4	1165.7	978.8	791.9	810.6	829.3	894.7
47.5°	1104.3	1119.9	1138.6	1140.1	1124.6	1071.8	907.3	742.9	756.6	770.3	837.2
50°	1042.6	1058.2	1076.9	1078.5	1062.9	1010.7	848.8	686.8	705.5	724.2	794.3
52.5°	969.8	987.2	1008.4	1012.4	999.4	951.5	799.5	647.5	658.8	670.0	745.7
55°	866.7	885.4	907.2	913.4	904.0	865.1	737.4	609.7	600.4	591.0	668.1
57.5°	758.4	779.8	804.7	812.2	802.2	764.4	642.9	521.4	513.3	505.2	588.7
60°	689.9	712.5	737.4	743.6	731.2	694.6	585.6	476.6	461.0	445.4	532.6
62.5°	622.6	645.2	670.1	673.9	656.4	619.2	522.6	426.1	415.5	404.9	489.6
65°	521.7	544.3	569.2	570.8	549.0	511.6	427.5	343.4	349.6	355.9	432.2
67.5°	423.0	446.6	474.1	475.3	450.4	413.6	341.4	269.1	289.7	310.2	378.9
70°	361.3	383.1	408.0	408.0	383.1	348.8	286.6	224.3	252.3	280.3	343.4
72.5°	300.3	323.3	350.7	350.7	323.3	290.9	243.6	196.2	224.3	252.3	304.2
75°	222.7	242.9	267.9	264.8	233.6	203.2	175.2	147.2	175.2	203.2	242.9
77.5°	149.4	165.9	187.0	183.9	156.5	132.7	119.6	106.5	129.6	152.6	180.3
80°	105.1	119.1	137.8	134.7	109.8	90.3	87.2	84.1	99.7	115.2	135.5
82.5°	70.9	81.8	95.5	93.6	76.2	62.3	59.2	56.1	69.1	82.2	96.2
85°	28.0	32.7	38.9	38.9	32.7	28.0	28.0	28.0	34.3	40.5	46.7
87.5°	13.7	15.2	17.7	17.3	13.7	10.2	8.3	6.8	10.8	14.8	18.2
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1435880

CATALOG NUMBER: SQ2W-FA-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



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CATALOG NUMBER: SQ2W-FA-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1
2.5°	1775.1	1765.1	1757.6	1751.4	1748.9	1746.4	1748.9	1751.4	1757.6	1765.1	1775.1
5°	1671.8	1618.9	1562.8	1516.9	1501.3	1485.7	1501.3	1516.9	1562.8	1618.9	1671.8
7.5°	1487.3	1423.4	1399.8	1380.8	1375.8	1370.8	1375.8	1380.8	1399.8	1423.4	1487.3
10°	1415.6	1364.2	1345.6	1331.5	1331.5	1331.5	1331.5	1331.5	1345.6	1364.2	1415.6
12.5°	1359.6	1328.1	1326.9	1329.0	1341.5	1354.0	1341.5	1329.0	1326.9	1328.1	1359.6
15°	1316.7	1321.4	1371.3	1412.5	1428.1	1443.7	1428.1	1412.5	1371.3	1321.4	1316.7
17.5°	1301.9	1328.7	1390.4	1439.8	1452.2	1464.7	1452.2	1439.8	1390.4	1328.7	1301.9
20°	1320.6	1354.9	1401.6	1439.8	1452.2	1464.7	1452.2	1439.8	1401.6	1354.9	1320.6
22.5°	1325.0	1366.7	1403.5	1434.2	1446.6	1459.1	1446.6	1434.2	1403.5	1366.7	1325.0
25°	1311.3	1361.1	1392.3	1417.2	1423.4	1429.7	1423.4	1417.2	1392.3	1361.1	1311.3
27.5°	1278.3	1333.1	1364.2	1388.7	1393.1	1397.4	1393.1	1388.7	1364.2	1333.1	1278.3
30°	1249.0	1305.1	1336.2	1361.9	1371.3	1380.6	1371.3	1361.9	1336.2	1305.1	1249.0
32.5°	1206.6	1263.9	1302.6	1332.0	1333.9	1335.7	1333.9	1332.0	1302.6	1263.9	1206.6
35°	1154.0	1213.2	1256.8	1288.7	1285.6	1282.5	1285.6	1288.7	1256.8	1213.2	1154.0
37.5°	1107.6	1165.5	1203.5	1233.0	1236.7	1240.4	1236.7	1233.0	1203.5	1165.5	1107.6
40°	1068.3	1127.5	1168.0	1199.9	1206.2	1212.4	1206.2	1199.9	1168.0	1127.5	1068.3
42.5°	1033.5	1093.9	1134.4	1166.3	1172.5	1178.8	1172.5	1166.3	1134.4	1093.9	1033.5
45°	975.7	1038.0	1081.6	1115.1	1118.2	1121.3	1118.2	1115.1	1081.6	1038.0	975.7
47.5°	922.0	984.6	1025.1	1056.2	1059.3	1062.4	1059.3	1056.2	1025.1	984.6	922.0
50°	881.5	945.3	985.8	1017.0	1020.1	1023.2	1020.1	1017.0	985.8	945.3	881.5
52.5°	842.8	909.2	944.7	972.1	975.2	978.3	975.2	972.1	944.7	909.2	842.8
55°	774.0	844.1	878.3	904.0	904.0	904.0	904.0	904.0	878.3	844.1	774.0
57.5°	702.7	774.6	804.5	827.9	831.6	835.4	831.6	827.9	804.5	774.6	702.7
60°	654.1	727.3	752.2	772.4	778.7	784.9	778.7	772.4	752.2	727.3	654.1
62.5°	606.1	676.8	701.7	721.4	725.1	728.8	725.1	721.4	701.7	676.8	606.1
65°	531.8	594.1	619.0	638.5	641.6	644.7	641.6	638.5	619.0	594.1	531.8
67.5°	463.6	514.7	532.1	545.9	548.3	550.8	548.3	545.9	532.1	514.7	463.6
70°	418.1	461.8	474.2	483.6	483.6	483.6	483.6	483.6	474.2	461.8	418.1
72.5°	364.0	400.1	412.5	422.5	425.0	427.5	425.0	422.5	412.5	400.1	364.0
75°	286.6	313.0	322.4	330.2	333.3	336.4	333.3	330.2	322.4	313.0	286.6
77.5°	209.6	227.1	232.7	237.7	240.8	243.9	240.8	237.7	232.7	227.1	209.6
80°	157.3	169.8	172.9	176.0	179.1	182.2	179.1	176.0	172.9	169.8	157.3
82.5°	110.6	119.3	122.4	124.9	125.5	126.1	125.5	124.9	122.4	119.3	110.6
85°	53.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	53.0
87.5°	20.1	22.8	25.5	27.1	28.6	27.9	28.6	27.1	25.5	22.8	20.1
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	142.8	128.8	112.2	89.4
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	253.4	234.1	207.0	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	362.2	344.0	313.8	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	433.4	412.1	377.3	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	501.5	478.6	440.7	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	599.7	570.7	530.1	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	688.0	655.8	618.3	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	746.8	717.8	677.1	636.5



TEST NUMBER: P1435880

CATALOG NUMBER: SQ2W-FA-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1435880

CATALOG NUMBER: SQ2W-FA-K-150U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1808.1	1808.1	1808.1	1808.1
2.5°	1787.5	1796.9	1796.9	1796.9
5°	1721.7	1761.4	1770.7	1780.1
7.5°	1591.3	1679.8	1721.5	1763.2
10°	1499.7	1583.8	1667.9	1752.0
12.5°	1421.2	1497.2	1616.2	1735.2
15°	1357.2	1421.1	1555.0	1689.0
17.5°	1310.0	1351.2	1491.3	1631.5
20°	1298.8	1317.5	1457.7	1597.8
22.5°	1278.3	1277.7	1415.3	1553.0
25°	1242.8	1221.7	1343.2	1464.7
27.5°	1199.8	1164.9	1260.8	1356.8
30°	1168.0	1127.5	1208.5	1289.5
32.5°	1130.6	1088.3	1146.8	1205.4
35°	1079.2	1029.4	1054.3	1079.2
37.5°	1029.7	969.3	961.2	953.1
40°	990.5	925.1	897.0	869.0
42.5°	953.1	885.2	854.7	824.2
45°	894.7	829.3	810.6	791.9
47.5°	837.2	770.3	756.6	742.9
50°	794.3	724.2	705.5	686.8
52.5°	745.7	670.0	658.8	647.5
55°	668.1	591.0	600.4	609.7
57.5°	588.7	505.2	513.3	521.4
60°	532.6	445.4	461.0	476.6
62.5°	489.6	404.9	415.5	426.1
65°	432.2	355.9	349.6	343.4
67.5°	378.9	310.2	289.7	269.1
70°	343.4	280.3	252.3	224.3
72.5°	304.2	252.3	224.3	196.2
75°	242.9	203.2	175.2	147.2
77.5°	180.3	152.6	129.6	106.5
80°	135.5	115.2	99.7	84.1
82.5°	96.2	82.2	69.1	56.1
85°	46.7	40.5	34.3	28.0
87.5°	18.2	14.8	10.8	6.8
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1435880
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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	17.58	18.39	18.58	19.40	20.75	18.77	19.59	19.78	20.60	21.95
	3H	18.66	19.39	19.67	20.41	21.78	20.01	20.74	21.03	21.76	23.13
	4H	19.01	19.70	20.04	20.73	22.10	20.40	21.09	21.43	22.12	23.49
	6H	19.17	19.80	20.21	20.83	22.22	20.56	21.19	21.60	22.22	23.61
	8H	19.20	19.81	20.24	20.85	22.24	20.58	21.19	21.62	22.23	23.62
	12H	19.20	19.77	20.24	20.81	22.22	20.57	21.14	21.61	22.18	23.59
4H	2H	18.44	19.13	19.47	20.15	21.53	19.35	20.04	20.38	21.07	22.44
	3H	19.82	20.40	20.86	21.45	22.84	20.81	21.39	21.85	22.44	23.83
	4H	20.27	20.80	21.32	21.85	23.26	21.28	21.81	22.33	22.86	24.27
	6H	20.50	20.95	21.56	22.02	23.43	21.50	21.96	22.56	23.02	24.43
	8H	20.56	20.98	21.62	22.04	23.46	21.55	21.97	22.61	23.03	24.45
	12H	20.56	20.94	21.63	22.01	23.44	21.54	21.92	22.61	22.99	24.42
8H	4H	20.65	21.08	21.71	22.14	23.56	21.48	21.90	22.53	22.96	24.38
	6H	21.00	21.35	22.08	22.45	23.87	21.79	22.14	22.87	23.24	24.66
	8H	21.12	21.43	22.21	22.51	23.95	21.88	22.19	22.97	23.28	24.71
	12H	21.15	21.42	22.25	22.50	23.98	21.90	22.16	22.99	23.25	24.72
12H	4H	20.65	21.04	21.73	22.11	23.54	21.44	21.82	22.52	22.90	24.33
	6H	21.07	21.38	22.16	22.46	23.90	21.81	22.11	22.89	23.20	24.64
	8H	21.22	21.48	22.31	22.57	24.04	21.92	22.19	23.01	23.27	24.75