

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: P1427794

Luminaire Tested: SQ2W-F-K-125U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427794  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-F-K-125U-125D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

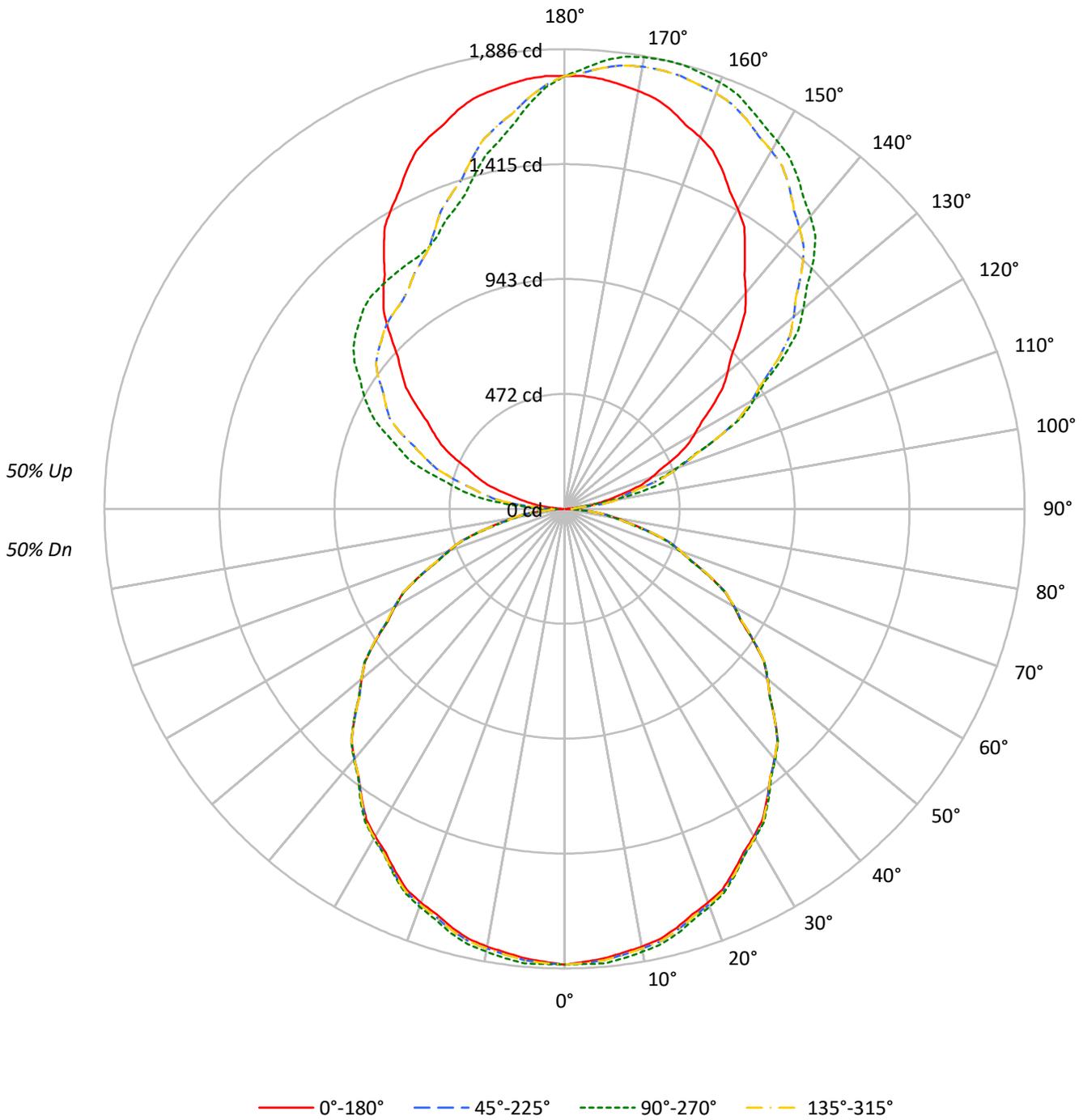
Lumens per Lamp: N/A  
Luminaire Lumens: 10456.1 lumens  
Efficiency: N/A  
Efficacy: 112.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 93.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### 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	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50
1	98	93	89	86	90	86	83	80	73	71	68	61	59	57	50	48	47	42
2	89	81	75	70	82	75	70	65	64	60	56	53	50	48	43	41	40	35
3	81	71	64	58	74	66	59	54	56	51	47	47	43	40	38	36	34	29
4	74	63	55	49	68	58	51	46	50	44	40	42	38	34	34	31	29	25
5	68	56	48	42	62	52	45	39	44	39	34	37	33	30	31	28	25	22
6	62	50	42	36	57	47	39	34	40	34	30	34	29	26	28	24	22	19
7	58	45	37	32	53	42	35	30	36	30	26	31	26	23	25	22	19	17
8	53	41	33	28	49	38	31	26	33	27	23	28	24	20	23	20	17	15
9	50	37	30	25	46	35	28	23	30	25	21	26	21	18	21	18	16	13
10	46	34	27	22	43	32	25	21	28	22	19	24	19	16	20	17	14	12

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

	0°	90°	180°	270°
0°	30197	30197	30197	30197
5°	30013	30355	30013	30355
10°	29907	30251	29907	30251
15°	29743	30117	29743	30117
20°	29554	29848	29554	29848
25°	29236	29494	29236	29494
30°	28925	29123	28925	29123
35°	28556	28737	28556	28737
40°	28232	28314	28232	28314
45°	27818	27818	27818	27818
50°	27261	27326	27261	27326
55°	26620	26657	26620	26657
60°	25901	25901	25901	25901
65°	25058	24958	25058	24958
70°	23877	23627	23877	23627
75°	22264	21771	22264	21771
80°	19842	18856	19842	18856
85°	15857	13412	15857	13412

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 28005 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.0	1.7
10°-20°	505.6	4.8
20°-30°	761.1	7.3
30°-40°	910.2	8.7
40°-50°	939.9	9.0
50°-60°	847.7	8.1
60°-70°	649.4	6.2
70°-80°	375.3	3.6
80°-90°	104.8	1.0
90°-100°	141.3	1.4
100°-110°	412.2	3.9
110°-120°	672.6	6.4
120°-130°	853.5	8.2
130°-140°	913.3	8.7
140°-150°	852.8	8.2
150°-160°	701.7	6.7
160°-170°	470.6	4.5
170°-180°	167.1	1.6
0°-30°	1443.7	13.8
0°-40°	2353.9	22.5
0°-60°	4141.5	39.6
0°-90°	5271.0	50.4
90°-120°	1226.1	11.7
90°-150°	3845.7	36.8
90°-180°	5185.0	49.6
0°-180°	10456.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1870	1870	1870	1870	1870	
5°	1852	1873	1852	1873	1852	176
15°	1779	1802	1779	1802	1779	502
25°	1641	1656	1641	1656	1641	756
35°	1449	1458	1449	1458	1449	907
45°	1218	1218	1218	1218	1218	939
55°	946	947	946	947	946	845
65°	656	653	656	653	656	648
75°	357	349	357	349	357	378
85°	86	72	86	72	86	100
90°	5	40	5	77	5	8
95°	56	41	56	242	56	67
105°	262	420	262	578	262	279
115°	502	696	502	857	502	495
125°	743	1103	743	1051	743	664
135°	1010	1444	1010	1164	1010	780
145°	1290	1665	1290	1189	1290	807
155°	1532	1808	1532	1234	1532	704
165°	1693	1885	1693	1421	1693	477
175°	1770	1846	1770	1666	1770	168
180°	1776	1776	1776	1776	1776	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1860.8	1869.7	1878.6	1874.8	1866.9	1863.8	1865.7	1867.3	1868.3	1869.2	1868.3
5°	1851.8	1863.5	1875.2	1871.1	1861.8	1857.7	1858.8	1861.2	1867.0	1872.9	1867.0
7.5°	1836.8	1848.5	1860.2	1856.5	1847.6	1843.8	1845.2	1847.8	1853.9	1860.0	1853.9
10°	1824.2	1835.9	1847.6	1843.5	1834.1	1830.6	1832.9	1835.9	1840.5	1845.2	1840.5
12.5°	1808.4	1820.1	1831.8	1828.4	1819.9	1816.4	1817.8	1820.2	1825.3	1830.5	1825.3
15°	1779.4	1791.1	1802.8	1799.6	1791.4	1788.2	1789.9	1792.4	1797.1	1801.8	1797.1
17.5°	1744.3	1755.3	1766.4	1763.4	1755.8	1753.0	1755.0	1757.5	1761.6	1765.7	1761.6
20°	1720.1	1730.6	1741.2	1738.1	1730.5	1727.0	1727.6	1729.0	1733.1	1737.2	1733.1
22.5°	1690.6	1701.1	1711.7	1709.0	1701.8	1697.6	1696.3	1696.6	1701.6	1706.7	1701.6
25°	1641.1	1651.6	1662.2	1660.0	1653.5	1649.4	1647.7	1647.4	1651.5	1655.6	1651.5
27.5°	1589.5	1598.2	1607.0	1605.2	1599.8	1596.5	1595.3	1595.2	1598.1	1601.0	1598.1
30°	1551.5	1560.3	1569.1	1566.9	1561.0	1557.5	1556.4	1556.2	1559.1	1562.1	1559.1
32.5°	1511.5	1519.8	1528.1	1525.1	1518.3	1514.8	1514.6	1515.2	1518.6	1522.0	1518.6
35°	1448.8	1455.8	1462.8	1459.8	1453.3	1450.4	1451.0	1452.2	1455.1	1458.0	1455.1
37.5°	1385.8	1391.2	1396.6	1393.5	1387.5	1384.5	1384.3	1384.9	1387.3	1389.8	1387.3
40°	1339.5	1345.3	1351.2	1347.8	1341.4	1337.9	1337.3	1337.6	1340.5	1343.4	1340.5
42.5°	1292.1	1296.5	1301.0	1297.9	1292.4	1289.9	1290.2	1290.9	1292.4	1293.9	1292.4
45°	1218.3	1222.4	1226.5	1223.6	1218.3	1215.7	1215.7	1216.0	1217.1	1218.3	1217.1
47.5°	1141.1	1144.3	1147.4	1145.2	1141.1	1138.7	1138.0	1137.9	1139.8	1141.6	1139.8
50°	1085.3	1089.4	1093.5	1091.4	1087.3	1084.7	1083.5	1083.2	1085.6	1087.9	1085.6
52.5°	1030.5	1035.1	1039.6	1037.7	1033.6	1030.7	1029.1	1028.3	1030.2	1032.1	1030.2
55°	945.7	950.9	956.2	954.9	951.4	948.4	946.1	944.6	945.8	947.0	945.8
57.5°	859.0	864.2	869.3	868.3	865.3	862.3	859.5	857.8	859.5	861.1	859.5
60°	802.1	806.8	811.5	810.0	806.5	803.6	801.2	799.8	800.9	802.1	800.9
62.5°	744.2	748.8	753.5	751.7	747.7	744.6	742.2	740.8	741.9	743.1	741.9
65°	655.9	660.0	664.1	662.5	659.0	656.1	653.7	652.1	652.7	653.3	652.7
67.5°	566.9	570.4	573.9	572.2	568.8	565.4	562.0	559.7	560.7	561.6	560.7
70°	505.8	509.3	512.8	511.5	508.5	505.6	502.7	500.5	500.5	500.5	500.5
72.5°	446.8	449.8	452.8	451.1	447.7	444.7	442.3	440.4	440.4	440.4	440.4
75°	356.9	358.7	360.4	359.6	357.8	355.5	352.5	350.2	349.6	349.0	349.6
77.5°	270.3	270.3	270.3	268.6	266.4	264.1	261.9	260.1	259.4	258.7	259.4
80°	213.4	213.4	213.4	212.1	210.3	208.5	206.8	205.2	204.0	202.8	204.0
82.5°	160.7	159.7	158.8	157.3	155.5	153.3	150.6	148.9	150.0	151.2	150.0
85°	85.6	84.4	83.3	81.7	79.9	77.9	75.5	73.6	73.0	72.4	73.0
87.5°	27.4	27.9	28.8	28.9	28.6	27.3	25.4	24.3	24.2	23.7	24.2
90°	5.4	12.6	21.5	28.7	34.1	35.9	35.9	37.7	39.5	39.5	39.5
92.5°	19.7	31.2	31.6	31.6	38.4	41.6	44.5	44.8	46.6	46.6	46.6
95°	55.6	61.0	91.5	89.7	61.0	48.4	41.3	41.3	41.3	41.3	41.3
97.5°	106.2	114.1	119.1	159.6	168.6	162.9	132.7	111.6	99.7	94.4	99.7
100°	150.7	154.3	165.0	166.8	211.7	254.7	233.2	206.3	197.3	191.9	197.3
102.5°	195.2	197.3	213.8	221.4	231.8	256.2	330.8	322.5	316.4	315.3	316.4
105°	261.9	263.7	294.2	308.5	315.7	315.7	313.9	349.8	407.2	419.7	407.2
107.5°	333.3	341.5	377.4	415.8	424.0	426.2	416.9	411.5	409.3	410.8	409.3
110°	382.1	394.6	437.7	486.1	498.7	502.3	498.7	493.3	489.7	489.7	489.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	429.4	447.7	496.5	552.1	573.3	584.1	576.2	572.2	568.6	571.5	568.6
115°	502.3	529.2	593.7	651.1	694.2	699.6	697.8	697.8	696.0	696.0	696.0
117.5°	569.7	612.8	685.2	752.0	801.8	816.2	823.3	821.2	819.0	822.6	819.0
120°	617.1	667.3	749.8	825.1	873.6	895.1	902.3	898.7	902.3	898.7	902.3
122.5°	667.3	729.0	810.1	888.3	945.3	969.7	978.3	979.0	979.8	977.6	979.8
125°	742.6	818.0	913.0	993.8	1052.9	1081.6	1088.8	1090.6	1094.2	1103.2	1094.2
127.5°	818.7	904.1	1008.5	1086.3	1146.9	1181.7	1192.9	1196.8	1204.3	1208.3	1204.3
130°	871.8	968.6	1074.5	1148.0	1207.2	1244.9	1264.6	1270.0	1279.0	1277.2	1279.0
132.5°	927.7	1028.9	1136.2	1212.6	1267.5	1308.0	1324.9	1340.3	1343.5	1346.1	1343.5
135°	1009.9	1119.3	1226.9	1302.3	1354.3	1393.8	1415.3	1429.6	1438.6	1444.0	1438.6
137.5°	1096.4	1211.9	1315.2	1382.3	1434.7	1468.7	1493.1	1508.2	1517.5	1521.8	1517.5
140°	1155.2	1266.4	1366.9	1436.8	1483.5	1517.5	1539.1	1557.0	1567.8	1567.8	1567.8
142.5°	1211.2	1320.9	1418.5	1488.5	1529.4	1560.6	1583.5	1597.2	1609.4	1609.4	1609.4
145°	1289.7	1399.1	1488.8	1558.8	1592.9	1621.6	1646.7	1657.5	1664.6	1664.6	1664.6
147.5°	1371.9	1468.7	1550.5	1617.6	1646.3	1680.1	1699.8	1708.4	1717.4	1713.4	1717.4
150°	1420.7	1510.4	1589.3	1652.1	1680.8	1713.1	1732.8	1740.0	1748.9	1743.6	1748.9
152.5°	1468.0	1553.4	1625.2	1683.6	1708.0	1740.3	1762.9	1770.1	1776.2	1772.3	1776.2
155°	1531.9	1607.2	1673.6	1727.4	1748.9	1779.4	1801.0	1809.9	1817.1	1808.1	1817.1
157.5°	1588.9	1653.9	1711.6	1761.1	1784.1	1810.3	1830.4	1841.5	1848.7	1844.7	1848.7
160°	1623.4	1682.6	1734.6	1781.2	1802.7	1826.1	1847.6	1860.1	1867.3	1861.9	1867.3
162.5°	1652.1	1705.5	1754.7	1797.0	1815.7	1836.1	1861.9	1873.1	1880.2	1873.4	1880.2
165°	1693.3	1736.4	1779.4	1815.3	1831.4	1847.6	1874.5	1887.1	1892.4	1885.3	1892.4
167.5°	1724.5	1757.5	1792.3	1823.2	1835.0	1850.8	1877.7	1888.1	1894.9	1886.0	1894.9
170°	1741.8	1770.5	1801.0	1826.1	1835.0	1849.4	1876.3	1885.3	1890.6	1881.7	1890.6
172.5°	1756.1	1777.6	1802.4	1824.6	1829.3	1840.8	1866.2	1875.2	1879.2	1871.6	1879.2
175°	1770.5	1783.0	1801.0	1815.3	1813.5	1820.7	1842.2	1849.4	1856.6	1845.8	1856.6
177.5°	1777.3	1783.0	1788.8	1797.4	1791.6	1791.6	1807.4	1811.7	1813.2	1807.4	1813.2
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1867.3	1865.7	1863.8	1866.9	1874.8	1878.6	1869.7	1860.8	1869.7	1878.6	1874.8
5°	1861.2	1858.8	1857.7	1861.8	1871.1	1875.2	1863.5	1851.8	1863.5	1875.2	1871.1
7.5°	1847.8	1845.2	1843.8	1847.6	1856.5	1860.2	1848.5	1836.8	1848.5	1860.2	1856.5
10°	1835.9	1832.9	1830.6	1834.1	1843.5	1847.6	1835.9	1824.2	1835.9	1847.6	1843.5
12.5°	1820.2	1817.8	1816.4	1819.9	1828.4	1831.8	1820.1	1808.4	1820.1	1831.8	1828.4
15°	1792.4	1789.9	1788.2	1791.4	1799.6	1802.8	1791.1	1779.4	1791.1	1802.8	1799.6
17.5°	1757.5	1755.0	1753.0	1755.8	1763.4	1766.4	1755.3	1744.3	1755.3	1766.4	1763.4
20°	1729.0	1727.6	1727.0	1730.5	1738.1	1741.2	1730.6	1720.1	1730.6	1741.2	1738.1
22.5°	1696.6	1696.3	1697.6	1701.8	1709.0	1711.7	1701.1	1690.6	1701.1	1711.7	1709.0
25°	1647.4	1647.7	1649.4	1653.5	1660.0	1662.2	1651.6	1641.1	1651.6	1662.2	1660.0
27.5°	1595.2	1595.3	1596.5	1599.8	1605.2	1607.0	1598.2	1589.5	1598.2	1607.0	1605.2
30°	1556.2	1556.4	1557.5	1561.0	1566.9	1569.1	1560.3	1551.5	1560.3	1569.1	1566.9
32.5°	1515.2	1514.6	1514.8	1518.3	1525.1	1528.1	1519.8	1511.5	1519.8	1528.1	1525.1
35°	1452.2	1451.0	1450.4	1453.3	1459.8	1462.8	1455.8	1448.8	1455.8	1462.8	1459.8
37.5°	1384.9	1384.3	1384.5	1387.5	1393.5	1396.6	1391.2	1385.8	1391.2	1396.6	1393.5
40°	1337.6	1337.3	1337.9	1341.4	1347.8	1351.2	1345.3	1339.5	1345.3	1351.2	1347.8
42.5°	1290.9	1290.2	1289.9	1292.4	1297.9	1301.0	1296.5	1292.1	1296.5	1301.0	1297.9
45°	1216.0	1215.7	1215.7	1218.3	1223.6	1226.5	1222.4	1218.3	1222.4	1226.5	1223.6
47.5°	1137.9	1138.0	1138.7	1141.1	1145.2	1147.4	1144.3	1141.1	1144.3	1147.4	1145.2
50°	1083.2	1083.5	1084.7	1087.3	1091.4	1093.5	1089.4	1085.3	1089.4	1093.5	1091.4
52.5°	1028.3	1029.1	1030.7	1033.6	1037.7	1039.6	1035.1	1030.5	1035.1	1039.6	1037.7
55°	944.6	946.1	948.4	951.4	954.9	956.2	950.9	945.7	950.9	956.2	954.9
57.5°	857.8	859.5	862.3	865.3	868.3	869.3	864.2	859.0	864.2	869.3	868.3
60°	799.8	801.2	803.6	806.5	810.0	811.5	806.8	802.1	806.8	811.5	810.0
62.5°	740.8	742.2	744.6	747.7	751.7	753.5	748.8	744.2	748.8	753.5	751.7
65°	652.1	653.7	656.1	659.0	662.5	664.1	660.0	655.9	660.0	664.1	662.5
67.5°	559.7	562.0	565.4	568.8	572.2	573.9	570.4	566.9	570.4	573.9	572.2
70°	500.5	502.7	505.6	508.5	511.5	512.8	509.3	505.8	509.3	512.8	511.5
72.5°	440.4	442.3	444.7	447.7	451.1	452.8	449.8	446.8	449.8	452.8	451.1
75°	350.2	352.5	355.5	357.8	359.6	360.4	358.7	356.9	358.7	360.4	359.6
77.5°	260.1	261.9	264.1	266.4	268.6	270.3	270.3	270.3	270.3	270.3	268.6
80°	205.2	206.8	208.5	210.3	212.1	213.4	213.4	213.4	213.4	213.4	212.1
82.5°	148.9	150.6	153.3	155.5	157.3	158.8	159.7	160.7	159.7	158.8	157.3
85°	73.6	75.5	77.9	79.9	81.7	83.3	84.4	85.6	84.4	83.3	81.7
87.5°	24.3	25.4	27.3	28.6	28.9	28.8	27.9	27.4	27.9	28.4	29.6
90°	37.7	35.9	35.9	34.1	28.7	21.5	12.6	5.4	12.6	19.7	32.3
92.5°	44.8	44.5	41.6	38.4	31.6	31.6	31.2	19.7	34.1	48.4	69.6
95°	41.3	41.3	48.4	61.0	89.7	91.5	61.0	55.6	78.9	111.2	139.9
97.5°	111.6	132.7	162.9	168.6	159.6	119.1	114.1	106.2	144.6	176.5	222.8
100°	206.3	233.2	254.7	211.7	166.8	165.0	154.3	150.7	191.9	222.4	267.3
102.5°	322.5	330.8	256.2	231.8	221.4	213.8	197.3	195.2	236.4	278.4	316.1
105°	349.8	313.9	315.7	315.7	308.5	294.2	263.7	261.9	308.5	357.0	403.6
107.5°	411.5	416.9	426.2	424.0	415.8	377.4	341.5	333.3	375.3	433.4	484.7
110°	493.3	498.7	502.3	498.7	486.1	437.7	394.6	382.1	419.7	480.7	536.3



TEST NUMBER: P1427794

CATALOG NUMBER: SQ2W-F-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	572.2	576.2	584.1	573.3	552.1	496.5	447.7	429.4	467.1	529.5	586.6
115°	697.8	697.8	699.6	694.2	651.1	593.7	529.2	502.3	534.5	591.9	654.7
117.5°	821.2	823.3	816.2	801.8	752.0	685.2	612.8	569.7	595.2	655.8	720.4
120°	898.7	902.3	895.1	873.6	825.1	749.8	667.3	617.1	636.8	696.0	760.6
122.5°	979.0	978.3	969.7	945.3	888.3	810.1	729.0	667.3	675.5	730.4	793.6
125°	1090.6	1088.8	1081.6	1052.9	993.8	913.0	818.0	742.6	731.9	778.5	843.1
127.5°	1196.8	1192.9	1181.7	1146.9	1086.3	1008.5	904.1	818.7	794.6	824.1	883.3
130°	1270.0	1264.6	1244.9	1207.2	1148.0	1074.5	968.6	871.8	837.7	855.6	907.7
132.5°	1340.3	1324.9	1308.0	1267.5	1212.6	1136.2	1028.9	927.7	880.7	888.6	929.2
135°	1429.6	1415.3	1393.8	1354.3	1302.3	1226.9	1119.3	1009.9	945.3	938.1	961.5
137.5°	1508.2	1493.1	1468.7	1434.7	1382.3	1315.2	1211.9	1096.4	1014.9	990.9	999.9
140°	1557.0	1539.1	1517.5	1483.5	1436.8	1366.9	1266.4	1155.2	1063.7	1029.6	1024.2
142.5°	1597.2	1583.5	1560.6	1529.4	1488.5	1418.5	1320.9	1211.2	1113.9	1069.8	1057.3
145°	1657.5	1646.7	1621.6	1592.9	1558.8	1488.8	1399.1	1289.7	1192.9	1135.5	1108.6
147.5°	1708.4	1699.8	1680.1	1646.3	1617.6	1550.5	1468.7	1371.9	1272.5	1201.5	1166.7
150°	1740.0	1732.8	1713.1	1680.8	1652.1	1589.3	1510.4	1420.7	1325.6	1250.3	1205.4
152.5°	1770.1	1762.9	1740.3	1708.0	1683.6	1625.2	1553.4	1468.0	1371.5	1296.2	1249.9
155°	1809.9	1801.0	1779.4	1748.9	1727.4	1673.6	1607.2	1531.9	1449.4	1370.4	1318.4
157.5°	1841.5	1830.4	1810.3	1784.1	1761.1	1711.6	1653.9	1588.9	1516.8	1441.5	1388.4
160°	1860.1	1847.6	1826.1	1802.7	1781.2	1734.6	1682.6	1623.4	1557.0	1488.8	1431.4
162.5°	1873.1	1861.9	1836.1	1815.7	1797.0	1754.7	1705.5	1652.1	1592.9	1533.3	1480.2
165°	1887.1	1874.5	1847.6	1831.4	1815.3	1779.4	1736.4	1693.3	1643.1	1594.7	1551.6
167.5°	1888.1	1877.7	1850.8	1835.0	1823.2	1792.3	1757.5	1724.5	1685.4	1647.4	1611.5
170°	1885.3	1876.3	1849.4	1835.0	1826.1	1801.0	1770.5	1741.8	1711.3	1679.0	1650.3
172.5°	1875.2	1866.2	1840.8	1829.3	1824.6	1802.4	1777.6	1756.1	1729.9	1706.2	1683.3
175°	1849.4	1842.2	1820.7	1813.5	1815.3	1801.0	1783.0	1770.5	1754.3	1740.0	1727.4
177.5°	1811.7	1807.4	1791.6	1791.6	1797.4	1788.8	1783.0	1777.3	1770.1	1765.8	1761.5
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427794

CATALOG NUMBER: SQ2W-F-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1866.9	1863.8	1865.7	1867.3	1868.3	1869.2	1868.3	1867.3	1865.7	1863.8	1866.9
5°	1861.8	1857.7	1858.8	1861.2	1867.0	1872.9	1867.0	1861.2	1858.8	1857.7	1861.8
7.5°	1847.6	1843.8	1845.2	1847.8	1853.9	1860.0	1853.9	1847.8	1845.2	1843.8	1847.6
10°	1834.1	1830.6	1832.9	1835.9	1840.5	1845.2	1840.5	1835.9	1832.9	1830.6	1834.1
12.5°	1819.9	1816.4	1817.8	1820.2	1825.3	1830.5	1825.3	1820.2	1817.8	1816.4	1819.9
15°	1791.4	1788.2	1789.9	1792.4	1797.1	1801.8	1797.1	1792.4	1789.9	1788.2	1791.4
17.5°	1755.8	1753.0	1755.0	1757.5	1761.6	1765.7	1761.6	1757.5	1755.0	1753.0	1755.8
20°	1730.5	1727.0	1727.6	1729.0	1733.1	1737.2	1733.1	1729.0	1727.6	1727.0	1730.5
22.5°	1701.8	1697.6	1696.3	1696.6	1701.6	1706.7	1701.6	1696.6	1696.3	1697.6	1701.8
25°	1653.5	1649.4	1647.7	1647.4	1651.5	1655.6	1651.5	1647.4	1647.7	1649.4	1653.5
27.5°	1599.8	1596.5	1595.3	1595.2	1598.1	1601.0	1598.1	1595.2	1595.3	1596.5	1599.8
30°	1561.0	1557.5	1556.4	1556.2	1559.1	1562.1	1559.1	1556.2	1556.4	1557.5	1561.0
32.5°	1518.3	1514.8	1514.6	1515.2	1518.6	1522.0	1518.6	1515.2	1514.6	1514.8	1518.3
35°	1453.3	1450.4	1451.0	1452.2	1455.1	1458.0	1455.1	1452.2	1451.0	1450.4	1453.3
37.5°	1387.5	1384.5	1384.3	1384.9	1387.3	1389.8	1387.3	1384.9	1384.3	1384.5	1387.5
40°	1341.4	1337.9	1337.3	1337.6	1340.5	1343.4	1340.5	1337.6	1337.3	1337.9	1341.4
42.5°	1292.4	1289.9	1290.2	1290.9	1292.4	1293.9	1292.4	1290.9	1290.2	1289.9	1292.4
45°	1218.3	1215.7	1215.7	1216.0	1217.1	1218.3	1217.1	1216.0	1215.7	1215.7	1218.3
47.5°	1141.1	1138.7	1138.0	1137.9	1139.8	1141.6	1139.8	1137.9	1138.0	1138.7	1141.1
50°	1087.3	1084.7	1083.5	1083.2	1085.6	1087.9	1085.6	1083.2	1083.5	1084.7	1087.3
52.5°	1033.6	1030.7	1029.1	1028.3	1030.2	1032.1	1030.2	1028.3	1029.1	1030.7	1033.6
55°	951.4	948.4	946.1	944.6	945.8	947.0	945.8	944.6	946.1	948.4	951.4
57.5°	865.3	862.3	859.5	857.8	859.5	861.1	859.5	857.8	859.5	862.3	865.3
60°	806.5	803.6	801.2	799.8	800.9	802.1	800.9	799.8	801.2	803.6	806.5
62.5°	747.7	744.6	742.2	740.8	741.9	743.1	741.9	740.8	742.2	744.6	747.7
65°	659.0	656.1	653.7	652.1	652.7	653.3	652.7	652.1	653.7	656.1	659.0
67.5°	568.8	565.4	562.0	559.7	560.7	561.6	560.7	559.7	562.0	565.4	568.8
70°	508.5	505.6	502.7	500.5	500.5	500.5	500.5	500.5	502.7	505.6	508.5
72.5°	447.7	444.7	442.3	440.4	440.4	440.4	440.4	440.4	442.3	444.7	447.7
75°	357.8	355.5	352.5	350.2	349.6	349.0	349.6	350.2	352.5	355.5	357.8
77.5°	266.4	264.1	261.9	260.1	259.4	258.7	259.4	260.1	261.9	264.1	266.4
80°	210.3	208.5	206.8	205.2	204.0	202.8	204.0	205.2	206.8	208.5	210.3
82.5°	155.5	153.3	150.6	148.9	150.0	151.2	150.0	148.9	150.6	153.3	155.5
85°	79.9	77.9	75.5	73.6	73.0	72.4	73.0	73.6	75.5	77.9	79.9
87.5°	30.0	30.9	31.5	31.5	32.4	31.2	32.4	31.5	31.5	30.9	30.0
90°	41.3	53.8	66.4	73.5	80.7	77.1	80.7	73.5	66.4	53.8	41.3
92.5°	82.9	104.0	119.5	132.4	138.1	137.4	138.1	132.4	119.5	104.0	82.9
95°	166.8	191.9	217.0	235.0	245.7	242.2	245.7	235.0	217.0	191.9	166.8
97.5°	257.2	291.0	318.9	335.8	346.6	353.7	346.6	335.8	318.9	291.0	257.2
100°	317.5	349.8	382.1	401.8	419.7	426.9	419.7	401.8	382.1	349.8	317.5
102.5°	366.3	408.6	443.8	464.9	480.0	487.2	480.0	464.9	443.8	408.6	366.3
105°	446.7	491.5	529.2	556.1	572.2	577.6	572.2	556.1	529.2	491.5	446.7
107.5°	527.0	573.3	608.1	637.9	657.6	669.1	657.6	637.9	608.1	573.3	527.0
110°	590.2	627.8	665.5	692.4	712.1	719.3	712.1	692.4	665.5	627.8	590.2



TEST NUMBER: P1427794

CATALOG NUMBER: SQ2W-F-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	643.2	685.2	722.9	749.8	772.4	782.4	772.4	749.8	722.9	685.2	643.2
115°	717.5	773.1	807.2	832.3	848.5	857.4	848.5	832.3	807.2	773.1	717.5
117.5°	779.2	837.3	874.6	894.0	901.6	908.0	901.6	894.0	874.6	837.3	779.2
120°	818.0	871.8	914.8	939.9	948.9	952.5	948.9	939.9	914.8	871.8	818.0
122.5°	853.8	904.8	946.4	977.3	992.0	995.5	992.0	977.3	946.4	904.8	853.8
125°	904.1	952.5	995.5	1026.0	1042.2	1051.2	1042.2	1026.0	995.5	952.5	904.1
127.5°	947.8	1000.2	1039.7	1067.3	1083.1	1090.3	1083.1	1067.3	1039.7	1000.2	947.8
130°	972.2	1026.0	1065.5	1096.0	1110.3	1117.5	1110.3	1096.0	1065.5	1026.0	972.2
132.5°	990.9	1047.6	1088.5	1116.1	1131.9	1139.0	1131.9	1116.1	1088.5	1047.6	990.9
135°	1013.5	1072.7	1115.7	1142.6	1157.0	1164.2	1157.0	1142.6	1115.7	1072.7	1013.5
137.5°	1033.2	1087.0	1131.9	1160.2	1173.1	1177.8	1173.1	1160.2	1131.9	1087.0	1033.2
140°	1047.6	1094.2	1139.0	1166.0	1180.3	1182.1	1180.3	1166.0	1139.0	1094.2	1047.6
142.5°	1066.2	1102.8	1141.9	1168.8	1183.2	1186.4	1183.2	1168.8	1141.9	1102.8	1066.2
145°	1099.6	1121.1	1148.0	1173.1	1185.7	1189.3	1185.7	1173.1	1148.0	1121.1	1099.6
147.5°	1141.6	1148.4	1162.4	1178.9	1191.1	1193.6	1191.1	1178.9	1162.4	1148.4	1141.6
150°	1173.1	1171.3	1176.7	1187.5	1198.2	1196.5	1198.2	1187.5	1176.7	1171.3	1173.1
152.5°	1209.0	1198.6	1198.2	1203.3	1208.3	1207.9	1208.3	1203.3	1198.2	1198.6	1209.0
155°	1270.0	1250.3	1239.5	1235.9	1235.9	1234.1	1235.9	1235.9	1239.5	1250.3	1270.0
157.5°	1337.1	1309.5	1293.3	1284.7	1282.2	1278.2	1282.2	1284.7	1293.3	1309.5	1337.1
160°	1383.0	1352.5	1336.4	1322.0	1316.6	1311.3	1316.6	1322.0	1336.4	1352.5	1383.0
162.5°	1426.1	1397.0	1379.4	1366.5	1361.1	1352.9	1361.1	1366.5	1379.4	1397.0	1426.1
165°	1496.0	1465.5	1445.8	1435.0	1427.8	1420.7	1427.8	1435.0	1445.8	1465.5	1496.0
167.5°	1566.0	1532.6	1519.7	1507.5	1500.7	1487.8	1500.7	1507.5	1519.7	1532.6	1566.0
170°	1609.0	1578.5	1571.4	1560.6	1548.0	1533.7	1548.0	1560.6	1571.4	1578.5	1609.0
172.5°	1646.3	1625.9	1618.7	1607.9	1604.0	1592.5	1604.0	1607.9	1618.7	1625.9	1646.3
175°	1700.5	1684.4	1684.4	1682.6	1677.2	1666.4	1677.2	1682.6	1684.4	1684.4	1700.5
177.5°	1745.7	1737.1	1742.8	1742.8	1741.4	1731.4	1741.4	1742.8	1742.8	1737.1	1745.7
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427794

CATALOG NUMBER: SQ2W-F-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1870.3	1870.3	1870.3	1870.3
2.5°	1874.8	1878.6	1869.7	1860.8
5°	1871.1	1875.2	1863.5	1851.8
7.5°	1856.5	1860.2	1848.5	1836.8
10°	1843.5	1847.6	1835.9	1824.2
12.5°	1828.4	1831.8	1820.1	1808.4
15°	1799.6	1802.8	1791.1	1779.4
17.5°	1763.4	1766.4	1755.3	1744.3
20°	1738.1	1741.2	1730.6	1720.1
22.5°	1709.0	1711.7	1701.1	1690.6
25°	1660.0	1662.2	1651.6	1641.1
27.5°	1605.2	1607.0	1598.2	1589.5
30°	1566.9	1569.1	1560.3	1551.5
32.5°	1525.1	1528.1	1519.8	1511.5
35°	1459.8	1462.8	1455.8	1448.8
37.5°	1393.5	1396.6	1391.2	1385.8
40°	1347.8	1351.2	1345.3	1339.5
42.5°	1297.9	1301.0	1296.5	1292.1
45°	1223.6	1226.5	1222.4	1218.3
47.5°	1145.2	1147.4	1144.3	1141.1
50°	1091.4	1093.5	1089.4	1085.3
52.5°	1037.7	1039.6	1035.1	1030.5
55°	954.9	956.2	950.9	945.7
57.5°	868.3	869.3	864.2	859.0
60°	810.0	811.5	806.8	802.1
62.5°	751.7	753.5	748.8	744.2
65°	662.5	664.1	660.0	655.9
67.5°	572.2	573.9	570.4	566.9
70°	511.5	512.8	509.3	505.8
72.5°	451.1	452.8	449.8	446.8
75°	359.6	360.4	358.7	356.9
77.5°	268.6	270.3	270.3	270.3
80°	212.1	213.4	213.4	213.4
82.5°	157.3	158.8	159.7	160.7
85°	81.7	83.3	84.4	85.6
87.5°	29.6	28.4	27.9	27.4
90°	32.3	19.7	12.6	5.4
92.5°	69.6	48.4	34.1	19.7
95°	139.9	111.2	78.9	55.6
97.5°	222.8	176.5	144.6	106.2
100°	267.3	222.4	191.9	150.7
102.5°	316.1	278.4	236.4	195.2
105°	403.6	357.0	308.5	261.9
107.5°	484.7	433.4	375.3	333.3
110°	536.3	480.7	419.7	382.1

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**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	586.6	529.5	467.1	429.4
115°	654.7	591.9	534.5	502.3
117.5°	720.4	655.8	595.2	569.7
120°	760.6	696.0	636.8	617.1
122.5°	793.6	730.4	675.5	667.3
125°	843.1	778.5	731.9	742.6
127.5°	883.3	824.1	794.6	818.7
130°	907.7	855.6	837.7	871.8
132.5°	929.2	888.6	880.7	927.7
135°	961.5	938.1	945.3	1009.9
137.5°	999.9	990.9	1014.9	1096.4
140°	1024.2	1029.6	1063.7	1155.2
142.5°	1057.3	1069.8	1113.9	1211.2
145°	1108.6	1135.5	1192.9	1289.7
147.5°	1166.7	1201.5	1272.5	1371.9
150°	1205.4	1250.3	1325.6	1420.7
152.5°	1249.9	1296.2	1371.5	1468.0
155°	1318.4	1370.4	1449.4	1531.9
157.5°	1388.4	1441.5	1516.8	1588.9
160°	1431.4	1488.8	1557.0	1623.4
162.5°	1480.2	1533.3	1592.9	1652.1
165°	1551.6	1594.7	1643.1	1693.3
167.5°	1611.5	1647.4	1685.4	1724.5
170°	1650.3	1679.0	1711.3	1741.8
172.5°	1683.3	1706.2	1729.9	1756.1
175°	1727.4	1740.0	1754.3	1770.5
177.5°	1761.5	1765.8	1770.1	1777.3
180°	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1427794  
 CATALOG NUMBER: SQ2W-F-K-125U-125D-L940-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	19.74	20.62	20.69	21.58	22.85	19.65	20.53	20.61	21.50	22.76
	3H	21.53	22.32	22.49	23.30	24.58	21.43	22.21	22.39	23.19	24.48
	4H	22.23	22.97	23.20	23.95	25.25	22.11	22.86	23.09	23.84	25.13
	6H	22.66	23.35	23.65	24.34	25.65	22.52	23.21	23.51	24.20	25.51
	8H	22.83	23.48	23.82	24.48	25.79	22.67	23.32	23.66	24.33	25.63
	12H	22.91	23.53	23.91	24.53	25.86	22.73	23.36	23.73	24.35	25.68
4H	2H	20.32	21.07	21.30	22.05	23.34	20.25	21.00	21.24	21.98	23.28
	3H	22.34	22.97	23.34	23.98	25.29	22.25	22.87	23.24	23.88	25.19
	4H	23.16	23.73	24.16	24.73	26.07	23.05	23.62	24.05	24.62	25.95
	6H	23.71	24.20	24.72	25.23	26.56	23.57	24.06	24.58	25.09	26.42
	8H	23.93	24.39	24.94	25.41	26.75	23.77	24.23	24.78	25.25	26.59
	12H	24.04	24.46	25.07	25.49	26.84	23.86	24.27	24.89	25.31	26.66
8H	4H	23.40	23.86	24.42	24.88	26.23	23.31	23.77	24.32	24.79	26.13
	6H	24.09	24.47	25.13	25.54	26.88	23.96	24.34	25.00	25.41	26.75
	8H	24.40	24.73	25.44	25.78	27.14	24.24	24.58	25.29	25.63	26.99
	12H	24.58	24.88	25.63	25.92	27.32	24.39	24.69	25.44	25.73	27.13
12H	4H	23.40	23.81	24.43	24.85	26.20	23.31	23.72	24.34	24.76	26.11
	6H	24.14	24.48	25.19	25.53	26.89	24.02	24.35	25.06	25.40	26.76
	8H	24.48	24.77	25.53	25.82	27.22	24.33	24.62	25.38	25.67	27.07