

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: P1435882

Luminaire Tested: SQ2W-FA-K-150U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435882
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-L940-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

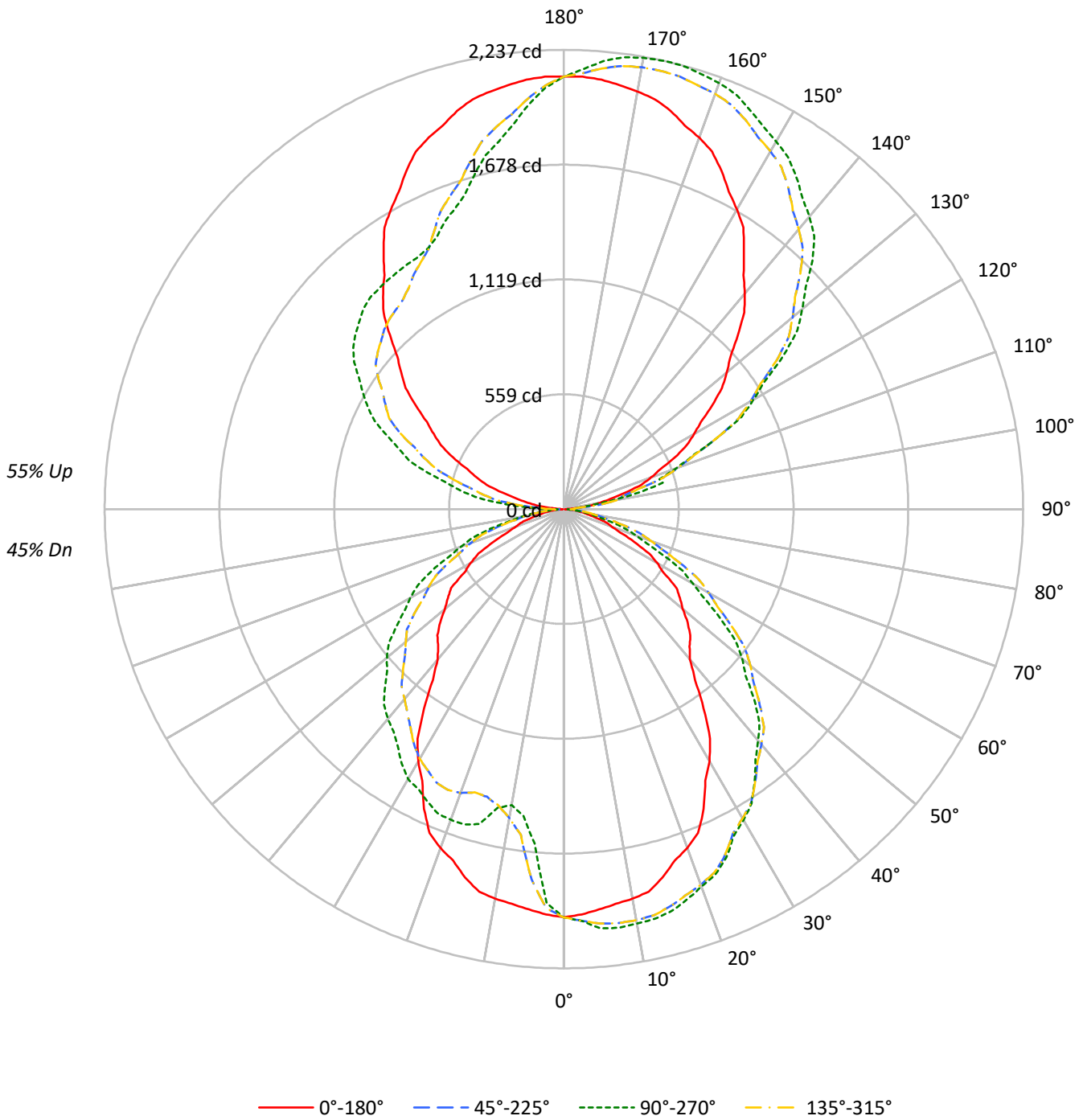
Lumens per Lamp: N/A
Luminaire Lumens: 11097.3 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	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°	32105	32105	32105	32105
5°	31729	33228	31729	26483
10°	31589	33612	31589	24008
15°	31048	33882	31048	26539
20°	30193	33637	30193	27676
25°	28696	33365	28696	28010
30°	26440	32618	26440	28308
35°	23394	31901	23394	27799
40°	20143	31027	20143	28103
45°	19885	29918	19885	28158
50°	18972	28459	18972	28265
55°	18874	26252	18874	27988
60°	16924	23395	16924	27874
65°	14430	20611	14430	27090
70°	11641	17466	11641	25104
75°	10100	14423	10100	23081
80°	8601	10748	8601	18633
85°	5706	5706	5706	11430

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 30857 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.9	1.6
10°-20°	499.9	4.5
20°-30°	759.2	6.8
30°-40°	891.4	8.0
40°-50°	904.6	8.2
50°-60°	792.3	7.1
60°-70°	562.0	5.1
70°-80°	289.3	2.6
80°-90°	69.4	0.6
90°-100°	167.6	1.5
100°-110°	488.9	4.4
110°-120°	797.8	7.2
120°-130°	1012.4	9.1
130°-140°	1083.3	9.8
140°-150°	1011.5	9.1
150°-160°	832.4	7.5
160°-170°	558.2	5.0
170°-180°	198.2	1.8
0°-30°	1438.1	13.0
0°-40°	2329.4	21.0
0°-60°	4026.3	36.3
0°-90°	4947.0	44.6
90°-120°	1454.3	13.1
90°-150°	4561.5	41.1
90°-180°	6150.0	55.4
0°-180°	11097.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1988	1988	1988	1988	1988	
5°	1958	2050	1958	1634	1958	186
15°	1858	2027	1858	1588	1858	522
25°	1611	1873	1611	1572	1611	735
35°	1187	1618	1187	1410	1187	740
45°	871	1310	871	1233	871	666
55°	670	933	670	994	670	580
65°	378	540	378	709	378	377
75°	162	231	162	370	162	175
85°	31	31	31	62	31	39
90°	6	47	6	92	6	6
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5
2.5°	1976.2	1989.9	2003.6	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
5°	1957.7	1981.7	2005.6	2016.8	2023.6	2028.8	2032.2	2036.5	2043.3	2050.2	2043.3
7.5°	1939.2	1971.4	2003.6	2019.3	2029.6	2037.8	2044.0	2049.5	2052.9	2056.3	2052.9
10°	1926.8	1964.5	2002.2	2019.3	2029.6	2036.5	2039.9	2043.3	2046.7	2050.2	2046.7
12.5°	1908.3	1948.8	1989.2	2009.1	2022.1	2030.3	2033.7	2037.1	2040.6	2044.0	2040.6
15°	1857.5	1912.3	1967.1	1988.5	1998.8	2007.3	2014.2	2020.2	2023.6	2027.0	2023.6
17.5°	1794.3	1860.7	1927.2	1954.1	1967.8	1977.7	1983.9	1989.2	1991.9	1994.7	1991.9
20°	1757.3	1829.2	1901.2	1929.4	1943.1	1951.7	1955.1	1957.7	1957.7	1957.7	1957.7
22.5°	1708.0	1788.1	1868.3	1898.6	1912.3	1919.5	1920.2	1921.4	1924.1	1926.8	1924.1
25°	1610.8	1703.3	1795.8	1834.4	1854.9	1863.5	1860.0	1859.2	1866.0	1872.9	1866.0
27.5°	1492.1	1608.6	1725.1	1764.5	1778.2	1786.7	1790.2	1792.7	1792.7	1792.7	1792.7
30°	1418.2	1548.3	1678.5	1721.3	1735.0	1743.6	1747.0	1749.6	1749.6	1749.6	1749.6
32.5°	1325.7	1480.5	1635.3	1682.3	1693.2	1699.0	1699.7	1700.2	1700.2	1700.2	1700.2
35°	1186.9	1375.3	1563.7	1616.0	1622.8	1626.3	1626.3	1625.4	1622.0	1618.5	1622.0
37.5°	1048.2	1262.0	1475.7	1536.9	1547.1	1549.9	1545.1	1540.6	1537.2	1533.8	1537.2
40°	955.7	1188.6	1421.6	1487.5	1497.8	1497.8	1487.5	1479.0	1475.5	1472.1	1475.5
42.5°	906.4	1136.6	1366.8	1432.0	1442.3	1440.9	1427.9	1417.3	1413.9	1410.4	1413.9
45°	870.9	1076.5	1282.0	1341.1	1351.4	1349.6	1335.9	1324.0	1317.1	1310.3	1317.1
47.5°	817.0	997.8	1178.7	1236.8	1253.9	1252.2	1231.6	1214.5	1207.7	1200.8	1207.7
50°	755.3	933.4	1111.6	1169.0	1186.1	1184.4	1163.8	1146.7	1139.8	1133.0	1139.8
52.5°	712.2	879.3	1046.5	1099.1	1113.5	1109.0	1085.7	1066.5	1059.7	1052.8	1059.7
55°	670.5	811.0	951.4	994.3	1004.5	997.7	973.7	953.1	942.9	932.6	942.9
57.5°	573.4	707.0	840.6	882.2	893.2	885.0	857.6	834.1	822.5	810.8	822.5
60°	524.1	644.0	763.9	804.1	817.8	811.0	783.6	758.7	741.6	724.5	741.6
62.5°	468.6	574.8	681.0	721.9	741.1	737.0	709.6	684.8	667.6	650.5	667.6
65°	377.7	470.1	562.6	603.7	627.7	626.0	598.6	573.8	556.6	539.5	556.6
67.5°	296.0	375.4	454.9	495.3	522.7	521.4	491.2	465.2	451.5	437.8	451.5
70°	246.6	315.1	383.7	421.3	448.7	448.7	421.3	397.4	383.7	370.0	383.7
72.5°	215.8	267.9	319.9	355.6	385.7	385.7	355.6	330.2	319.3	308.3	319.3
75°	161.9	192.7	223.5	256.9	291.2	294.6	267.2	244.9	238.1	231.2	238.1
77.5°	117.2	131.5	145.9	172.1	202.3	205.7	182.4	164.3	161.5	158.8	161.5
80°	92.5	95.9	99.3	120.7	148.2	151.6	131.0	115.6	115.6	115.6	115.6
82.5°	61.7	65.1	68.5	83.8	102.9	105.0	89.9	77.9	75.2	72.4	75.2
85°	30.8	30.8	30.8	36.0	42.8	42.8	36.0	30.8	30.8	30.8	30.8
87.5°	7.4	9.1	11.3	15.0	19.0	19.5	16.7	15.1	15.5	15.5	15.5
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5
2.5°	2007.0	2007.0	2007.0	2007.0	2007.0	2003.6	1989.9	1976.2	1976.2	1976.2	1965.9
5°	2036.5	2032.2	2028.8	2023.6	2016.8	2005.6	1981.7	1957.7	1947.4	1937.1	1893.4
7.5°	2049.5	2044.0	2037.8	2029.6	2019.3	2003.6	1971.4	1939.2	1893.3	1847.4	1750.1
10°	2043.3	2039.9	2036.5	2029.6	2019.3	2002.2	1964.5	1926.8	1834.4	1741.9	1649.4
12.5°	2037.1	2033.7	2030.3	2022.1	2009.1	1989.2	1948.8	1908.3	1777.5	1646.6	1563.1
15°	2020.2	2014.2	2007.3	1998.8	1988.5	1967.1	1912.3	1857.5	1710.2	1562.9	1492.7
17.5°	1989.2	1983.9	1977.7	1967.8	1954.1	1927.2	1860.7	1794.3	1640.1	1486.0	1440.8
20°	1957.7	1955.1	1951.7	1943.1	1929.4	1901.2	1829.2	1757.3	1603.1	1449.0	1428.4
22.5°	1921.4	1920.2	1919.5	1912.3	1898.6	1868.3	1788.1	1708.0	1556.5	1405.1	1405.8
25°	1859.2	1860.0	1863.5	1854.9	1834.4	1795.8	1703.3	1610.8	1477.2	1343.7	1366.8
27.5°	1792.7	1790.2	1786.7	1778.2	1764.5	1725.1	1608.6	1492.1	1386.6	1281.1	1319.5
30°	1749.6	1747.0	1743.6	1735.0	1721.3	1678.5	1548.3	1418.2	1329.1	1240.0	1284.6
32.5°	1700.2	1699.7	1699.0	1693.2	1682.3	1635.3	1480.5	1325.7	1261.3	1196.9	1243.5
35°	1625.4	1626.3	1626.3	1622.8	1616.0	1563.7	1375.3	1186.9	1159.5	1132.1	1186.9
37.5°	1540.6	1545.1	1549.9	1547.1	1536.9	1475.7	1262.0	1048.2	1057.1	1066.0	1132.5
40°	1479.0	1487.5	1497.8	1497.8	1487.5	1421.6	1188.6	955.7	986.5	1017.4	1089.3
42.5°	1417.3	1427.9	1440.9	1442.3	1432.0	1366.8	1136.6	906.4	940.0	973.5	1048.2
45°	1324.0	1335.9	1349.6	1351.4	1341.1	1282.0	1076.5	870.9	891.5	912.0	984.0
47.5°	1214.5	1231.6	1252.2	1253.9	1236.8	1178.7	997.8	817.0	832.1	847.1	920.8
50°	1146.7	1163.8	1184.4	1186.1	1169.0	1111.6	933.4	755.3	775.9	796.4	873.5
52.5°	1066.5	1085.7	1109.0	1113.5	1099.1	1046.5	879.3	712.2	724.5	736.8	820.1
55°	953.1	973.7	997.7	1004.5	994.3	951.4	811.0	670.5	660.3	650.0	734.8
57.5°	834.1	857.6	885.0	893.2	882.2	840.6	707.0	573.4	564.5	555.6	647.4
60°	758.7	783.6	811.0	817.8	804.1	763.9	644.0	524.1	507.0	489.8	585.8
62.5°	684.8	709.6	737.0	741.1	721.9	681.0	574.8	468.6	457.0	445.3	538.5
65°	573.8	598.6	626.0	627.7	603.7	562.6	470.1	377.7	384.5	391.4	475.3
67.5°	465.2	491.2	521.4	522.7	495.3	454.9	375.4	296.0	318.6	341.2	416.7
70°	397.4	421.3	448.7	448.7	421.3	383.7	315.1	246.6	277.5	308.3	377.7
72.5°	330.2	355.6	385.7	385.7	355.6	319.9	267.9	215.8	246.6	277.5	334.5
75°	244.9	267.2	294.6	291.2	256.9	223.5	192.7	161.9	192.7	223.5	267.2
77.5°	164.3	182.4	205.7	202.3	172.1	145.9	131.5	117.2	142.5	167.8	198.3
80°	115.6	131.0	151.6	148.2	120.7	99.3	95.9	92.5	109.6	126.7	149.0
82.5°	77.9	89.9	105.0	102.9	83.8	68.5	65.1	61.7	76.0	90.4	105.8
85°	30.8	36.0	42.8	42.8	36.0	30.8	30.8	30.8	37.7	44.5	51.4
87.5°	15.1	16.7	19.5	19.0	15.0	11.3	9.1	7.4	11.9	16.3	20.0
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1435882

CATALOG NUMBER: SQ2W-FA-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CATALOG NUMBER: SQ2W-FA-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5
2.5°	1952.2	1941.2	1933.0	1926.2	1923.4	1920.7	1923.4	1926.2	1933.0	1941.2	1952.2
5°	1838.6	1780.4	1718.7	1668.2	1651.1	1634.0	1651.1	1668.2	1718.7	1780.4	1838.6
7.5°	1635.7	1565.5	1539.4	1518.5	1513.0	1507.6	1513.0	1518.5	1539.4	1565.5	1635.7
10°	1556.9	1500.4	1479.8	1464.4	1464.4	1464.4	1464.4	1464.4	1479.8	1500.4	1556.9
12.5°	1495.2	1460.6	1459.3	1461.7	1475.4	1489.1	1475.4	1461.7	1459.3	1460.6	1495.2
15°	1448.1	1453.3	1508.1	1553.5	1570.6	1587.7	1570.6	1553.5	1508.1	1453.3	1448.1
17.5°	1431.9	1461.3	1529.1	1583.4	1597.1	1610.8	1597.1	1583.4	1529.1	1461.3	1431.9
20°	1452.4	1490.1	1541.5	1583.4	1597.1	1610.8	1597.1	1583.4	1541.5	1490.1	1452.4
22.5°	1457.2	1503.1	1543.5	1577.3	1591.0	1604.7	1591.0	1577.3	1543.5	1503.1	1457.2
25°	1442.1	1496.9	1531.2	1558.6	1565.5	1572.3	1565.5	1558.6	1531.2	1496.9	1442.1
27.5°	1405.8	1466.1	1500.4	1527.3	1532.1	1536.9	1532.1	1527.3	1500.4	1466.1	1405.8
30°	1373.6	1435.3	1469.5	1497.8	1508.1	1518.4	1508.1	1497.8	1469.5	1435.3	1373.6
32.5°	1327.0	1390.1	1432.5	1464.9	1467.0	1469.0	1467.0	1464.9	1432.5	1390.1	1327.0
35°	1269.1	1334.2	1382.2	1417.3	1413.9	1410.4	1413.9	1417.3	1382.2	1334.2	1269.1
37.5°	1218.1	1281.8	1323.6	1356.0	1360.1	1364.2	1360.1	1356.0	1323.6	1281.8	1218.1
40°	1174.9	1240.0	1284.6	1319.7	1326.5	1333.4	1326.5	1319.7	1284.6	1240.0	1174.9
42.5°	1136.6	1203.0	1247.6	1282.7	1289.5	1296.4	1289.5	1282.7	1247.6	1203.0	1136.6
45°	1073.0	1141.5	1189.5	1226.3	1229.8	1233.2	1229.8	1226.3	1189.5	1141.5	1073.0
47.5°	1013.9	1082.8	1127.3	1161.6	1165.0	1168.4	1165.0	1161.6	1127.3	1082.8	1013.9
50°	969.4	1039.6	1084.2	1118.4	1121.9	1125.3	1121.9	1118.4	1084.2	1039.6	969.4
52.5°	926.9	999.9	1039.0	1069.1	1072.5	1075.9	1072.5	1069.1	1039.0	999.9	926.9
55°	851.2	928.3	966.0	994.3	994.3	994.3	994.3	966.0	928.3	851.2	
57.5°	772.8	851.9	884.8	910.5	914.6	918.7	914.6	910.5	884.8	851.9	772.8
60°	719.4	799.9	827.3	849.5	856.4	863.2	856.4	849.5	827.3	799.9	719.4
62.5°	666.6	744.4	771.8	793.3	797.5	801.6	797.5	793.3	771.8	744.4	666.6
65°	584.9	653.4	680.8	702.2	705.7	709.1	705.7	702.2	680.8	653.4	584.9
67.5°	509.9	566.1	585.2	600.3	603.1	605.8	603.1	600.3	585.2	566.1	509.9
70°	459.9	507.8	521.5	531.8	531.8	531.8	531.8	521.5	507.8	459.9	
72.5°	400.3	440.0	453.7	464.7	467.4	470.1	467.4	453.7	440.0	400.3	
75°	315.1	344.3	354.5	363.1	366.5	370.0	366.5	363.1	354.5	344.3	315.1
77.5°	230.5	249.7	255.9	261.4	264.8	268.2	264.8	261.4	255.9	249.7	230.5
80°	173.0	186.7	190.1	193.5	197.0	200.4	197.0	193.5	190.1	186.7	173.0
82.5°	121.6	131.2	134.6	137.4	138.0	138.7	138.0	137.4	134.6	131.2	121.6
85°	58.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	58.2
87.5°	22.1	25.1	28.1	29.8	31.5	30.6	31.5	29.8	28.1	25.1	22.1
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1435882

CATALOG NUMBER: SQ2W-FA-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1435882

CATALOG NUMBER: SQ2W-FA-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1988.5	1988.5	1988.5	1988.5
2.5°	1965.9	1976.2	1976.2	1976.2
5°	1893.4	1937.1	1947.4	1957.7
7.5°	1750.1	1847.4	1893.3	1939.2
10°	1649.4	1741.9	1834.4	1926.8
12.5°	1563.1	1646.6	1777.5	1908.3
15°	1492.7	1562.9	1710.2	1857.5
17.5°	1440.8	1486.0	1640.1	1794.3
20°	1428.4	1449.0	1603.1	1757.3
22.5°	1405.8	1405.1	1556.5	1708.0
25°	1366.8	1343.7	1477.2	1610.8
27.5°	1319.5	1281.1	1386.6	1492.1
30°	1284.6	1240.0	1329.1	1418.2
32.5°	1243.5	1196.9	1261.3	1325.7
35°	1186.9	1132.1	1159.5	1186.9
37.5°	1132.5	1066.0	1057.1	1048.2
40°	1089.3	1017.4	986.5	955.7
42.5°	1048.2	973.5	940.0	906.4
45°	984.0	912.0	891.5	870.9
47.5°	920.8	847.1	832.1	817.0
50°	873.5	796.4	775.9	755.3
52.5°	820.1	736.8	724.5	712.2
55°	734.8	650.0	660.3	670.5
57.5°	647.4	555.6	564.5	573.4
60°	585.8	489.8	507.0	524.1
62.5°	538.5	445.3	457.0	468.6
65°	475.3	391.4	384.5	377.7
67.5°	416.7	341.2	318.6	296.0
70°	377.7	308.3	277.5	246.6
72.5°	334.5	277.5	246.6	215.8
75°	267.2	223.5	192.7	161.9
77.5°	198.3	167.8	142.5	117.2
80°	149.0	126.7	109.6	92.5
82.5°	105.8	90.4	76.0	61.7
85°	51.4	44.5	37.7	30.8
87.5°	20.0	16.3	11.9	7.4
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



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CATALOG NUMBER: SQ2W-FA-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1435882
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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	17.91	18.72	18.91	19.73	21.08	19.10	19.92	20.11	20.93	22.28
	3H	18.99	19.72	20.00	20.74	22.11	20.34	21.07	21.36	22.10	23.46
	4H	19.34	20.03	20.37	21.06	22.43	20.73	21.42	21.76	22.45	23.82
	6H	19.50	20.13	20.54	21.16	22.55	20.89	21.53	21.93	22.55	23.94
	8H	19.53	20.14	20.57	21.18	22.57	20.91	21.52	21.95	22.56	23.95
	12H	19.53	20.10	20.57	21.14	22.55	20.90	21.47	21.94	22.51	23.92
4H	2H	18.77	19.46	19.80	20.48	21.86	19.68	20.37	20.71	21.40	22.77
	3H	20.15	20.73	21.19	21.78	23.17	21.14	21.72	22.18	22.77	24.16
	4H	20.60	21.13	21.65	22.18	23.59	21.62	22.14	22.66	23.19	24.60
	6H	20.83	21.28	21.89	22.35	23.76	21.83	22.29	22.89	23.35	24.76
	8H	20.89	21.31	21.95	22.37	23.79	21.88	22.30	22.94	23.36	24.79
	12H	20.89	21.27	21.96	22.34	23.77	21.87	22.25	22.94	23.32	24.75
8H	4H	20.98	21.41	22.04	22.47	23.89	21.81	22.23	22.87	23.29	24.71
	6H	21.33	21.68	22.41	22.78	24.20	22.12	22.47	23.20	23.57	24.99
	8H	21.45	21.76	22.54	22.84	24.28	22.21	22.52	23.30	23.61	25.04
	12H	21.48	21.75	22.58	22.84	24.31	22.23	22.50	23.32	23.58	25.06
12H	4H	20.98	21.37	22.06	22.44	23.87	21.77	22.15	22.85	23.23	24.66
	6H	21.40	21.71	22.49	22.79	24.23	22.14	22.44	23.23	23.53	24.97
	8H	21.55	21.81	22.64	22.90	24.37	22.25	22.52	23.34	23.60	25.08