

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: P1428120

Luminaire Tested: SQ2W-PP3-K-125U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428120
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-125U-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

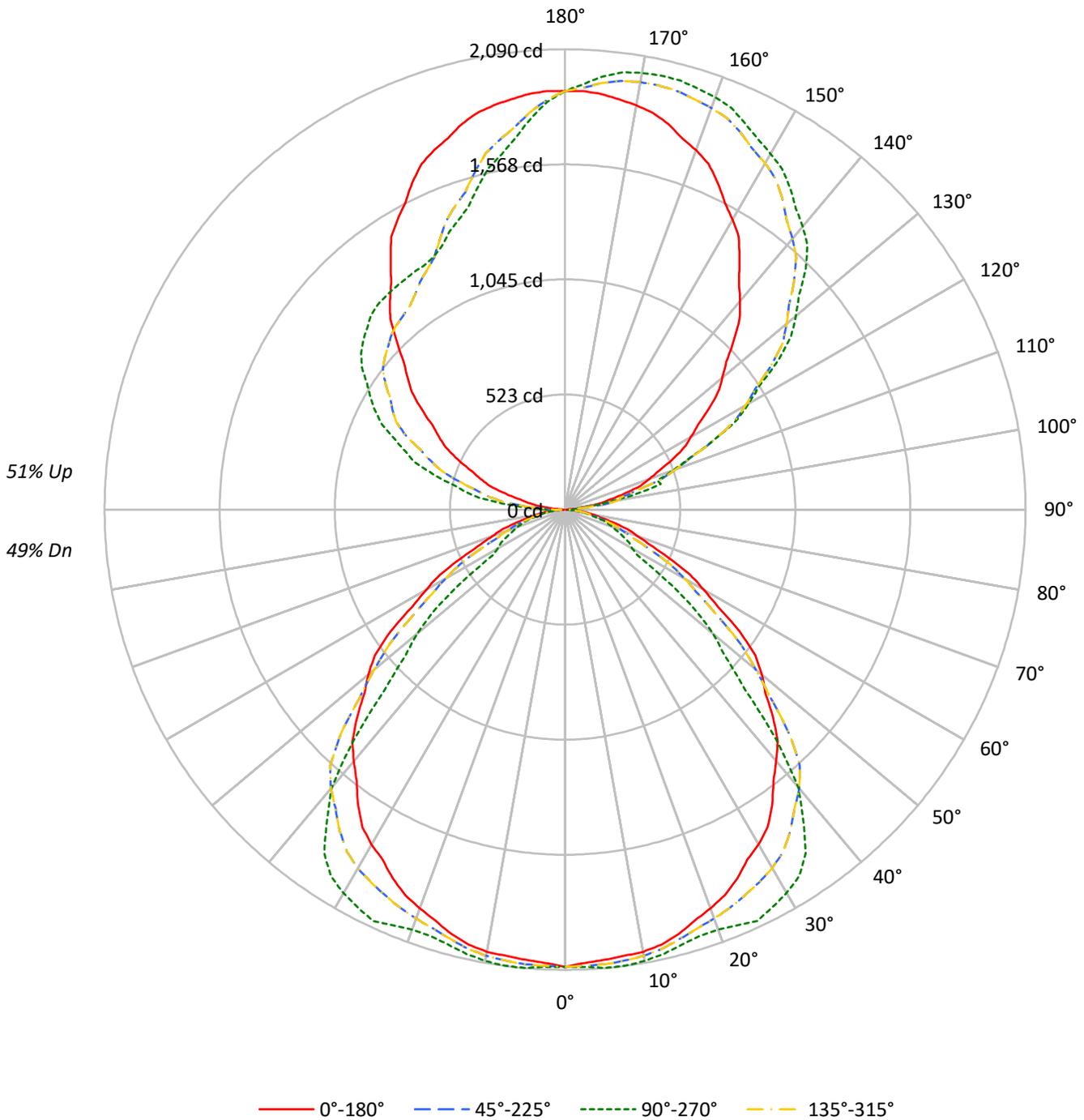
Lumens per Lamp: N/A
Luminaire Lumens: 10784.6 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 81.6
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	50	30	10	0	
RCR																						
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49				
1	98	94	90	87	90	87	84	81	73	71	69	61	59	58	49	48	47	42				
2	90	83	77	72	82	76	71	67	65	61	58	54	51	49	44	42	41	36				
3	82	73	66	60	75	68	61	56	57	53	49	48	45	42	39	37	35	31				
4	75	65	57	51	69	60	53	48	51	46	42	43	39	36	35	33	30	27				
5	69	58	50	44	64	54	47	42	46	41	36	39	35	32	32	29	27	24				
6	64	52	44	38	59	48	41	36	41	36	32	35	31	28	29	26	24	21				
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	27	23	21	18				
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19	17				
9	51	39	32	27	47	36	30	25	31	26	22	27	23	20	23	19	17	15				
10	48	36	29	24	44	33	27	23	29	24	20	25	21	18	21	18	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	33525	33525	33525	33525
5°	33262	33867	33262	33867
10°	33430	34114	33430	34114
15°	33350	34194	33350	34194
20°	33113	34884	33113	34884
25°	32923	36716	32923	36716
30°	32736	37484	32736	37484
35°	32273	37552	32273	37552
40°	31412	34696	31412	34696
45°	30471	26411	30471	26411
50°	29275	21998	29275	21998
55°	27248	15817	27248	15817
60°	23459	11341	23459	11341
65°	19789	11152	19789	11152
70°	16475	10673	16475	10673
75°	13967	9994	13967	9994
80°	11836	8982	11836	8982
85°	9355	4872	9355	4872

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 33334 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.7	1.8
10°-20°	572.2	5.3
20°-30°	896.5	8.3
30°-40°	1105.9	10.3
40°-50°	1041.1	9.7
50°-60°	737.2	6.8
60°-70°	420.1	3.9
70°-80°	207.9	1.9
80°-90°	58.7	0.5
90°-100°	151.2	1.4
100°-110°	440.9	4.1
110°-120°	719.6	6.7
120°-130°	913.1	8.5
130°-140°	977.1	9.1
140°-150°	912.4	8.5
150°-160°	750.8	7.0
160°-170°	503.5	4.7
170°-180°	178.8	1.7
0°-30°	1666.4	15.5
0°-40°	2772.3	25.7
0°-60°	4550.6	42.2
0°-90°	5237.3	48.6
90°-120°	1311.8	12.2
90°-150°	4114.3	38.1
90°-180°	5547.0	51.4
0°-180°	10784.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2076	2076	2076	2076	2076	
5°	2052	2090	2052	2090	2052	196
15°	1995	2046	1995	2046	1995	562
25°	1848	2061	1848	2061	1848	851
35°	1637	1905	1637	1905	1637	1021
45°	1334	1157	1334	1157	1334	1027
55°	968	562	968	562	968	854
65°	518	292	518	292	518	520
75°	224	160	224	160	224	243
85°	50	26	50	26	50	59
90°	6	42	6	82	6	7
95°	60	44	60	259	60	72
105°	280	449	280	618	280	298
115°	537	745	537	917	537	530
125°	794	1180	794	1125	794	711
135°	1080	1545	1080	1246	1080	835
145°	1380	1781	1380	1272	1380	863
155°	1639	1934	1639	1320	1639	753
165°	1812	2017	1812	1520	1812	510
175°	1894	1975	1894	1783	1894	180
180°	1900	1900	1900	1900	1900	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2060.6	2073.9	2087.1	2084.0	2075.4	2071.9	2073.5	2075.0	2076.6	2078.2	2076.6
5°	2052.3	2068.8	2085.4	2083.0	2074.2	2070.8	2072.8	2075.9	2082.7	2089.6	2082.7
7.5°	2044.4	2061.3	2078.3	2076.1	2067.5	2064.9	2068.2	2072.8	2081.2	2089.6	2081.2
10°	2039.1	2053.7	2068.4	2066.2	2058.4	2056.9	2061.8	2067.1	2074.0	2080.8	2074.0
12.5°	2023.3	2037.1	2051.0	2049.2	2042.2	2041.9	2048.3	2054.7	2060.7	2066.8	2060.7
15°	1995.2	2007.9	2020.6	2020.8	2016.9	2019.3	2028.1	2035.9	2040.8	2045.7	2040.8
17.5°	1957.0	1972.4	1987.8	1991.4	1991.0	1997.0	2009.5	2020.2	2025.2	2030.3	2025.2
20°	1927.2	1945.7	1964.2	1970.3	1972.3	1981.1	1996.7	2010.8	2020.6	2030.3	2020.6
22.5°	1895.5	1917.2	1938.9	1946.9	1950.4	1963.9	1987.3	2009.0	2025.8	2042.6	2025.8
25°	1848.1	1869.6	1891.1	1906.7	1920.3	1944.2	1978.4	2010.3	2035.7	2061.0	2035.7
27.5°	1792.8	1814.1	1835.4	1862.2	1890.9	1924.4	1962.9	1996.7	2016.8	2036.9	2016.8
30°	1755.9	1776.4	1796.9	1827.6	1861.8	1898.9	1938.9	1973.5	1992.0	2010.6	1992.0
32.5°	1710.3	1731.6	1752.8	1785.5	1822.0	1861.8	1904.9	1941.5	1958.5	1975.4	1958.5
35°	1637.4	1657.9	1678.4	1716.4	1760.3	1804.7	1849.6	1885.7	1895.4	1905.2	1895.4
37.5°	1553.6	1576.8	1600.0	1642.7	1691.9	1729.0	1754.2	1773.2	1773.8	1774.4	1773.8
40°	1490.4	1520.6	1550.8	1593.5	1640.3	1666.2	1671.1	1671.6	1658.9	1646.2	1658.9
42.5°	1428.9	1467.7	1506.6	1540.8	1573.6	1580.4	1561.0	1532.5	1476.1	1419.7	1476.1
45°	1334.5	1380.4	1426.2	1447.2	1459.9	1417.0	1318.4	1234.8	1195.8	1156.7	1195.8
47.5°	1234.0	1279.3	1324.5	1318.7	1295.9	1230.9	1123.8	1036.7	1009.8	982.9	1009.8
50°	1165.5	1208.4	1251.4	1220.4	1164.8	1091.6	1000.9	926.5	901.1	875.8	901.1
52.5°	1088.2	1126.5	1164.7	1118.0	1042.8	965.8	886.8	817.8	779.2	740.6	779.2
55°	968.0	994.3	1020.6	969.4	892.4	807.5	714.8	636.0	599.0	561.9	599.0
57.5°	823.1	841.6	860.2	819.9	760.0	675.6	566.7	474.7	433.1	391.6	433.1
60°	726.5	741.2	755.8	719.2	665.6	585.1	477.8	392.2	371.7	351.2	371.7
62.5°	638.7	651.8	664.9	626.7	571.5	499.6	411.0	342.8	335.6	328.4	335.6
65°	518.0	530.7	543.4	503.4	445.8	389.7	335.1	293.9	292.9	291.9	292.9
67.5°	412.2	426.1	439.9	402.3	347.4	306.0	277.9	256.5	255.3	254.2	255.3
70°	349.0	363.6	378.3	343.1	291.4	257.8	242.2	230.0	228.0	226.1	228.0
72.5°	296.3	310.2	324.0	293.4	247.9	220.1	210.0	202.1	200.9	199.7	200.9
75°	223.9	234.6	245.3	223.2	190.0	171.0	166.1	162.2	161.2	160.2	161.2
77.5°	162.4	169.3	176.1	161.5	139.9	127.8	125.3	123.1	122.1	121.2	122.1
80°	127.3	130.2	133.2	122.9	108.3	100.5	99.5	98.5	97.6	96.6	97.6
82.5°	95.7	94.7	93.7	87.8	80.2	75.9	74.9	73.7	72.0	70.2	72.0
85°	50.5	48.5	46.6	44.6	42.7	39.8	35.9	32.2	29.3	26.3	29.3
87.5°	17.0	18.5	20.4	19.0	16.3	14.3	13.5	13.3	13.7	13.7	13.7
90°	5.8	13.4	23.0	30.7	36.5	38.4	38.4	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.8	33.8	41.1	44.5	47.6	48.0	49.9	49.9	49.9
95°	59.5	65.2	97.9	96.0	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.6	122.1	127.4	170.8	180.4	174.3	142.0	119.4	106.7	100.9	106.7
100°	161.2	165.0	176.6	178.5	226.5	272.5	249.5	220.7	211.1	205.3	211.1
102.5°	208.8	211.1	228.8	236.8	247.9	274.0	353.9	345.1	338.5	337.4	338.5
105°	280.2	282.1	314.7	330.1	337.8	337.8	335.8	374.2	435.6	449.1	435.6
107.5°	356.6	365.4	403.8	444.8	453.7	456.0	446.0	440.2	437.9	439.5	437.9
110°	408.8	422.2	468.3	520.1	533.5	537.3	533.5	527.8	523.9	523.9	523.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.4	479.0	531.2	590.7	613.3	624.9	616.4	612.2	608.4	611.4	608.4
115°	537.3	566.1	635.2	696.6	742.7	748.4	746.5	746.5	744.6	744.6	744.6
117.5°	609.5	655.6	733.1	804.5	857.8	873.2	880.9	878.6	876.3	880.1	876.3
120°	660.2	713.9	802.2	882.8	934.6	957.6	965.3	961.5	965.3	961.5	965.3
122.5°	713.9	779.9	866.7	950.3	1011.4	1037.5	1046.7	1047.4	1048.2	1045.9	1048.2
125°	794.5	875.1	976.8	1063.2	1126.5	1157.2	1164.9	1166.8	1170.6	1180.2	1170.6
127.5°	875.9	967.2	1078.9	1162.2	1227.1	1264.3	1276.2	1280.4	1288.5	1292.7	1288.5
130°	932.7	1036.3	1149.5	1228.2	1291.6	1331.9	1353.0	1358.7	1368.3	1366.4	1368.3
132.5°	992.6	1100.8	1215.6	1297.3	1356.0	1399.4	1417.4	1433.9	1437.4	1440.1	1437.4
135°	1080.5	1197.5	1312.7	1393.3	1448.9	1491.1	1514.2	1529.5	1539.1	1544.9	1539.1
137.5°	1173.0	1296.5	1407.1	1478.9	1534.9	1571.4	1597.5	1613.6	1623.6	1628.2	1623.6
140°	1235.9	1354.9	1462.4	1537.2	1587.1	1623.6	1646.6	1665.8	1677.3	1677.3	1677.3
142.5°	1295.8	1413.2	1517.6	1592.5	1636.2	1669.6	1694.2	1708.8	1721.8	1721.8	1721.8
145°	1379.8	1496.9	1592.8	1667.7	1704.2	1734.9	1761.7	1773.2	1780.9	1780.9	1780.9
147.5°	1467.7	1571.4	1658.9	1730.6	1761.3	1797.4	1818.5	1827.7	1837.3	1833.1	1837.3
150°	1519.9	1615.9	1700.3	1767.5	1798.2	1832.7	1853.8	1861.5	1871.1	1865.4	1871.1
152.5°	1570.6	1661.9	1738.7	1801.3	1827.4	1861.9	1886.1	1893.8	1900.3	1896.1	1900.3
155°	1638.9	1719.5	1790.5	1848.1	1871.1	1903.7	1926.8	1936.4	1944.0	1934.4	1944.0
157.5°	1699.9	1769.4	1831.2	1884.2	1908.7	1936.8	1958.2	1970.1	1977.8	1973.6	1977.8
160°	1736.8	1800.1	1855.8	1905.7	1928.7	1953.6	1976.7	1990.1	1997.8	1992.0	1997.8
162.5°	1767.5	1824.7	1877.3	1922.5	1942.5	1964.4	1992.0	2003.9	2011.6	2004.3	2011.6
165°	1811.6	1857.7	1903.7	1942.1	1959.4	1976.7	2005.5	2018.9	2024.6	2017.0	2024.6
167.5°	1845.0	1880.3	1917.6	1950.6	1963.2	1980.1	2008.9	2020.0	2027.3	2017.7	2027.3
170°	1863.4	1894.1	1926.8	1953.6	1963.2	1978.6	2007.4	2017.0	2022.7	2013.1	2022.7
172.5°	1878.8	1901.8	1928.3	1952.1	1957.1	1969.4	1996.6	2006.2	2010.4	2002.4	2010.4
175°	1894.1	1907.6	1926.8	1942.1	1940.2	1947.9	1970.9	1978.6	1986.3	1974.7	1986.3
177.5°	1901.4	1907.6	1913.7	1922.9	1916.8	1916.8	1933.7	1938.3	1939.8	1933.7	1939.8
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2075.0	2073.5	2071.9	2075.4	2084.0	2087.1	2073.9	2060.6	2073.9	2087.1	2084.0
5°	2075.9	2072.8	2070.8	2074.2	2083.0	2085.4	2068.8	2052.3	2068.8	2085.4	2083.0
7.5°	2072.8	2068.2	2064.9	2067.5	2076.1	2078.3	2061.3	2044.4	2061.3	2078.3	2076.1
10°	2067.1	2061.8	2056.9	2058.4	2066.2	2068.4	2053.7	2039.1	2053.7	2068.4	2066.2
12.5°	2054.7	2048.3	2041.9	2042.2	2049.2	2051.0	2037.1	2023.3	2037.1	2051.0	2049.2
15°	2035.9	2028.1	2019.3	2016.9	2020.8	2020.6	2007.9	1995.2	2007.9	2020.6	2020.8
17.5°	2020.2	2009.5	1997.0	1991.0	1991.4	1987.8	1972.4	1957.0	1972.4	1987.8	1991.4
20°	2010.8	1996.7	1981.1	1972.3	1970.3	1964.2	1945.7	1927.2	1945.7	1964.2	1970.3
22.5°	2009.0	1987.3	1963.9	1950.4	1946.9	1938.9	1917.2	1895.5	1917.2	1938.9	1946.9
25°	2010.3	1978.4	1944.2	1920.3	1906.7	1891.1	1869.6	1848.1	1869.6	1891.1	1906.7
27.5°	1996.7	1962.9	1924.4	1890.9	1862.2	1835.4	1814.1	1792.8	1814.1	1835.4	1862.2
30°	1973.5	1938.9	1898.9	1861.8	1827.6	1796.9	1776.4	1755.9	1776.4	1796.9	1827.6
32.5°	1941.5	1904.9	1861.8	1822.0	1785.5	1752.8	1731.6	1710.3	1731.6	1752.8	1785.5
35°	1885.7	1849.6	1804.7	1760.3	1716.4	1678.4	1657.9	1637.4	1657.9	1678.4	1716.4
37.5°	1773.2	1754.2	1729.0	1691.9	1642.7	1600.0	1576.8	1553.6	1576.8	1600.0	1642.7
40°	1671.6	1671.1	1666.2	1640.3	1593.5	1550.8	1520.6	1490.4	1520.6	1550.8	1593.5
42.5°	1532.5	1561.0	1580.4	1573.6	1540.8	1506.6	1467.7	1428.9	1467.7	1506.6	1540.8
45°	1234.8	1318.4	1417.0	1459.9	1447.2	1426.2	1380.4	1334.5	1380.4	1426.2	1447.2
47.5°	1036.7	1123.8	1230.9	1295.9	1318.7	1324.5	1279.3	1234.0	1279.3	1324.5	1318.7
50°	926.5	1000.9	1091.6	1164.8	1220.4	1251.4	1208.4	1165.5	1208.4	1251.4	1220.4
52.5°	817.8	886.8	965.8	1042.8	1118.0	1164.7	1126.5	1088.2	1126.5	1164.7	1118.0
55°	636.0	714.8	807.5	892.4	969.4	1020.6	994.3	968.0	994.3	1020.6	969.4
57.5°	474.7	566.7	675.6	760.0	819.9	860.2	841.6	823.1	841.6	860.2	819.9
60°	392.2	477.8	585.1	665.6	719.2	755.8	741.2	726.5	741.2	755.8	719.2
62.5°	342.8	411.0	499.6	571.5	626.7	664.9	651.8	638.7	651.8	664.9	626.7
65°	293.9	335.1	389.7	445.8	503.4	543.4	530.7	518.0	530.7	543.4	503.4
67.5°	256.5	277.9	306.0	347.4	402.3	439.9	426.1	412.2	426.1	439.9	402.3
70°	230.0	242.2	257.8	291.4	343.1	378.3	363.6	349.0	363.6	378.3	343.1
72.5°	202.1	210.0	220.1	247.9	293.4	324.0	310.2	296.3	310.2	324.0	293.4
75°	162.2	166.1	171.0	190.0	223.2	245.3	234.6	223.9	234.6	245.3	223.2
77.5°	123.1	125.3	127.8	139.9	161.5	176.1	169.3	162.4	169.3	176.1	161.5
80°	98.5	99.5	100.5	108.3	122.9	133.2	130.2	127.3	130.2	133.2	122.9
82.5°	73.7	74.9	75.9	80.2	87.8	93.7	94.7	95.7	94.7	93.7	87.8
85°	32.2	35.9	39.8	42.7	44.6	46.6	48.5	50.5	48.5	46.6	44.6
87.5°	13.3	13.5	14.3	16.3	19.0	20.4	18.5	17.0	18.5	20.0	19.8
90°	40.3	38.4	38.4	36.5	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	48.0	47.6	44.5	41.1	33.8	33.8	33.4	21.1	36.5	51.8	74.5
95°	44.1	44.1	51.8	65.2	96.0	97.9	65.2	59.5	84.4	119.0	149.7
97.5°	119.4	142.0	174.3	180.4	170.8	127.4	122.1	113.6	154.7	188.8	238.4
100°	220.7	249.5	272.5	226.5	178.5	176.6	165.0	161.2	205.3	238.0	285.9
102.5°	345.1	353.9	274.0	247.9	236.8	228.8	211.1	208.8	252.9	297.8	338.1
105°	374.2	335.8	337.8	337.8	330.1	314.7	282.1	280.2	330.1	381.9	431.8
107.5°	440.2	446.0	456.0	453.7	444.8	403.8	365.4	356.6	401.5	463.7	518.5
110°	527.8	533.5	537.3	533.5	520.1	468.3	422.2	408.8	449.1	514.3	573.8



TEST NUMBER: P1428120

CATALOG NUMBER: SQ2W-PP3-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	612.2	616.4	624.9	613.3	590.7	531.2	479.0	459.4	499.7	566.5	627.5
115°	746.5	746.5	748.4	742.7	696.6	635.2	566.1	537.3	571.9	633.3	700.5
117.5°	878.6	880.9	873.2	857.8	804.5	733.1	655.6	609.5	636.8	701.6	770.7
120°	961.5	965.3	957.6	934.6	882.8	802.2	713.9	660.2	681.3	744.6	813.7
122.5°	1047.4	1046.7	1037.5	1011.4	950.3	866.7	779.9	713.9	722.7	781.5	849.0
125°	1166.8	1164.9	1157.2	1126.5	1063.2	976.8	875.1	794.5	783.0	832.9	902.0
127.5°	1280.4	1276.2	1264.3	1227.1	1162.2	1078.9	967.2	875.9	850.2	881.6	945.0
130°	1358.7	1353.0	1331.9	1291.6	1228.2	1149.5	1036.3	932.7	896.2	915.4	971.1
132.5°	1433.9	1417.4	1399.4	1356.0	1297.3	1215.6	1100.8	992.6	942.3	950.7	994.1
135°	1529.5	1514.2	1491.1	1448.9	1393.3	1312.7	1197.5	1080.5	1011.4	1003.7	1028.6
137.5°	1613.6	1597.5	1571.4	1534.9	1478.9	1407.1	1296.5	1173.0	1085.8	1060.1	1069.7
140°	1665.8	1646.6	1623.6	1587.1	1537.2	1462.4	1354.9	1235.9	1138.0	1101.6	1095.8
142.5°	1708.8	1694.2	1669.6	1636.2	1592.5	1517.6	1413.2	1295.8	1191.8	1144.5	1131.1
145°	1773.2	1761.7	1734.9	1704.2	1667.7	1592.8	1496.9	1379.8	1276.2	1214.8	1186.0
147.5°	1827.7	1818.5	1797.4	1761.3	1730.6	1658.9	1571.4	1467.7	1361.4	1285.4	1248.2
150°	1861.5	1853.8	1832.7	1798.2	1767.5	1700.3	1615.9	1519.9	1418.2	1337.6	1289.6
152.5°	1893.8	1886.1	1861.9	1827.4	1801.3	1738.7	1661.9	1570.6	1467.3	1386.7	1337.2
155°	1936.4	1926.8	1903.7	1871.1	1848.1	1790.5	1719.5	1638.9	1550.6	1466.2	1410.5
157.5°	1970.1	1958.2	1936.8	1908.7	1884.2	1831.2	1769.4	1699.9	1622.8	1542.2	1485.4
160°	1990.1	1976.7	1953.6	1928.7	1905.7	1855.8	1800.1	1736.8	1665.8	1592.8	1531.4
162.5°	2003.9	1992.0	1964.4	1942.5	1922.5	1877.3	1824.7	1767.5	1704.2	1640.4	1583.6
165°	2018.9	2005.5	1976.7	1959.4	1942.1	1903.7	1857.7	1811.6	1757.9	1706.1	1660.0
167.5°	2020.0	2008.9	1980.1	1963.2	1950.6	1917.6	1880.3	1845.0	1803.2	1762.5	1724.1
170°	2017.0	2007.4	1978.6	1963.2	1953.6	1926.8	1894.1	1863.4	1830.8	1796.3	1765.6
172.5°	2006.2	1996.6	1969.4	1957.1	1952.1	1928.3	1901.8	1878.8	1850.8	1825.4	1800.9
175°	1978.6	1970.9	1947.9	1940.2	1942.1	1926.8	1907.6	1894.1	1876.9	1861.5	1848.1
177.5°	1938.3	1933.7	1916.8	1916.8	1922.9	1913.7	1907.6	1901.4	1893.8	1889.2	1884.6
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1428120

CATALOG NUMBER: SQ2W-PP3-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2075.4	2071.9	2073.5	2075.0	2076.6	2078.2	2076.6	2075.0	2073.5	2071.9	2075.4
5°	2074.2	2070.8	2072.8	2075.9	2082.7	2089.6	2082.7	2075.9	2072.8	2070.8	2074.2
7.5°	2067.5	2064.9	2068.2	2072.8	2081.2	2089.6	2081.2	2072.8	2068.2	2064.9	2067.5
10°	2058.4	2056.9	2061.8	2067.1	2074.0	2080.8	2074.0	2067.1	2061.8	2056.9	2058.4
12.5°	2042.2	2041.9	2048.3	2054.7	2060.7	2066.8	2060.7	2054.7	2048.3	2041.9	2042.2
15°	2016.9	2019.3	2028.1	2035.9	2040.8	2045.7	2040.8	2035.9	2028.1	2019.3	2016.9
17.5°	1991.0	1997.0	2009.5	2020.2	2025.2	2030.3	2025.2	2020.2	2009.5	1997.0	1991.0
20°	1972.3	1981.1	1996.7	2010.8	2020.6	2030.3	2020.6	2010.8	1996.7	1981.1	1972.3
22.5°	1950.4	1963.9	1987.3	2009.0	2025.8	2042.6	2025.8	2009.0	1987.3	1963.9	1950.4
25°	1920.3	1944.2	1978.4	2010.3	2035.7	2061.0	2035.7	2010.3	1978.4	1944.2	1920.3
27.5°	1890.9	1924.4	1962.9	1996.7	2016.8	2036.9	2016.8	1996.7	1962.9	1924.4	1890.9
30°	1861.8	1898.9	1938.9	1973.5	1992.0	2010.6	1992.0	1973.5	1938.9	1898.9	1861.8
32.5°	1822.0	1861.8	1904.9	1941.5	1958.5	1975.4	1958.5	1941.5	1904.9	1861.8	1822.0
35°	1760.3	1804.7	1849.6	1885.7	1895.4	1905.2	1895.4	1885.7	1849.6	1804.7	1760.3
37.5°	1691.9	1729.0	1754.2	1773.2	1773.8	1774.4	1773.8	1773.2	1754.2	1729.0	1691.9
40°	1640.3	1666.2	1671.1	1671.6	1658.9	1646.2	1658.9	1671.6	1671.1	1666.2	1640.3
42.5°	1573.6	1580.4	1561.0	1532.5	1476.1	1419.7	1476.1	1532.5	1561.0	1580.4	1573.6
45°	1459.9	1417.0	1318.4	1234.8	1195.8	1156.7	1195.8	1234.8	1318.4	1417.0	1459.9
47.5°	1295.9	1230.9	1123.8	1036.7	1009.8	982.9	1009.8	1036.7	1123.8	1230.9	1295.9
50°	1164.8	1091.6	1000.9	926.5	901.1	875.8	901.1	926.5	1000.9	1091.6	1164.8
52.5°	1042.8	965.8	886.8	817.8	779.2	740.6	779.2	817.8	886.8	965.8	1042.8
55°	892.4	807.5	714.8	636.0	599.0	561.9	599.0	636.0	714.8	807.5	892.4
57.5°	760.0	675.6	566.7	474.7	433.1	391.6	433.1	474.7	566.7	675.6	760.0
60°	665.6	585.1	477.8	392.2	371.7	351.2	371.7	392.2	477.8	585.1	665.6
62.5°	571.5	499.6	411.0	342.8	335.6	328.4	335.6	342.8	411.0	499.6	571.5
65°	445.8	389.7	335.1	293.9	292.9	291.9	292.9	293.9	335.1	389.7	445.8
67.5°	347.4	306.0	277.9	256.5	255.3	254.2	255.3	256.5	277.9	306.0	347.4
70°	291.4	257.8	242.2	230.0	228.0	226.1	228.0	230.0	242.2	257.8	291.4
72.5°	247.9	220.1	210.0	202.1	200.9	199.7	200.9	202.1	210.0	220.1	247.9
75°	190.0	171.0	166.1	162.2	161.2	160.2	161.2	162.2	166.1	171.0	190.0
77.5°	139.9	127.8	125.3	123.1	122.1	121.2	122.1	123.1	125.3	127.8	139.9
80°	108.3	100.5	99.5	98.5	97.6	96.6	97.6	98.5	99.5	100.5	108.3
82.5°	80.2	75.9	74.9	73.7	72.0	70.2	72.0	73.7	74.9	75.9	80.2
85°	42.7	39.8	35.9	32.2	29.3	26.3	29.3	32.2	35.9	39.8	42.7
87.5°	17.8	18.1	20.1	21.0	22.5	21.8	22.5	21.0	20.1	18.1	17.8
90°	44.1	57.6	71.0	78.7	86.4	82.5	86.4	78.7	71.0	57.6	44.1
92.5°	88.7	111.3	127.8	141.6	147.8	147.0	147.8	141.6	127.8	111.3	88.7
95°	178.5	205.3	232.2	251.4	262.9	259.1	262.9	251.4	232.2	205.3	178.5
97.5°	275.2	311.3	341.2	359.3	370.8	378.4	370.8	359.3	341.2	311.3	275.2
100°	339.7	374.2	408.8	429.9	449.1	456.7	449.1	429.9	408.8	374.2	339.7
102.5°	391.9	437.2	474.8	497.4	513.5	521.2	513.5	497.4	474.8	437.2	391.9
105°	477.9	525.8	566.1	594.9	612.2	617.9	612.2	594.9	566.1	525.8	477.9
107.5°	563.8	613.3	650.6	682.4	703.5	715.8	703.5	682.4	650.6	613.3	563.8
110°	631.4	671.7	712.0	740.8	761.9	769.6	761.9	740.8	712.0	671.7	631.4



TEST NUMBER: P1428120

CATALOG NUMBER: SQ2W-PP3-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	688.2	733.1	773.4	802.2	826.4	837.1	826.4	802.2	773.4	733.1	688.2
115°	767.6	827.1	863.6	890.5	907.7	917.3	907.7	890.5	863.6	827.1	767.6
117.5°	833.7	895.8	935.8	956.5	964.5	971.4	964.5	956.5	935.8	895.8	833.7
120°	875.1	932.7	978.7	1005.6	1015.2	1019.0	1015.2	1005.6	978.7	932.7	875.1
122.5°	913.5	968.0	1012.5	1045.5	1061.3	1065.1	1061.3	1045.5	1012.5	968.0	913.5
125°	967.2	1019.0	1065.1	1097.7	1115.0	1124.6	1115.0	1097.7	1065.1	1019.0	967.2
127.5°	1014.1	1070.1	1112.3	1141.9	1158.7	1166.4	1158.7	1141.9	1112.3	1070.1	1014.1
130°	1040.1	1097.7	1139.9	1172.6	1187.9	1195.6	1187.9	1172.6	1139.9	1097.7	1040.1
132.5°	1060.1	1120.8	1164.5	1194.1	1210.9	1218.6	1210.9	1194.1	1164.5	1120.8	1060.1
135°	1084.3	1147.6	1193.7	1222.5	1237.8	1245.5	1237.8	1222.5	1193.7	1147.6	1084.3
137.5°	1105.4	1163.0	1210.9	1241.3	1255.1	1260.1	1255.1	1241.3	1210.9	1163.0	1105.4
140°	1120.8	1170.6	1218.6	1247.4	1262.8	1264.7	1262.8	1247.4	1218.6	1170.6	1120.8
142.5°	1140.7	1179.9	1221.7	1250.5	1265.8	1269.3	1265.8	1250.5	1221.7	1179.9	1140.7
145°	1176.4	1199.4	1228.2	1255.1	1268.5	1272.4	1268.5	1255.1	1228.2	1199.4	1176.4
147.5°	1221.3	1228.6	1243.6	1261.2	1274.3	1277.0	1274.3	1261.2	1243.6	1228.6	1221.3
150°	1255.1	1253.2	1258.9	1270.4	1282.0	1280.0	1282.0	1270.4	1258.9	1253.2	1255.1
152.5°	1293.5	1282.3	1282.0	1287.3	1292.7	1292.3	1292.7	1287.3	1282.0	1282.3	1293.5
155°	1358.7	1337.6	1326.1	1322.3	1322.3	1320.3	1322.3	1322.3	1326.1	1337.6	1358.7
157.5°	1430.5	1400.9	1383.7	1374.5	1371.8	1367.5	1371.8	1374.5	1383.7	1400.9	1430.5
160°	1479.6	1447.0	1429.7	1414.4	1408.6	1402.9	1408.6	1414.4	1429.7	1447.0	1479.6
162.5°	1525.7	1494.6	1475.8	1462.0	1456.2	1447.4	1456.2	1462.0	1475.8	1494.6	1525.7
165°	1600.5	1567.9	1546.8	1535.3	1527.6	1519.9	1527.6	1535.3	1546.8	1567.9	1600.5
167.5°	1675.4	1639.7	1625.9	1612.8	1605.5	1591.7	1605.5	1612.8	1625.9	1639.7	1675.4
170°	1721.4	1688.8	1681.1	1669.6	1656.2	1640.8	1656.2	1669.6	1681.1	1688.8	1721.4
172.5°	1761.3	1739.5	1731.8	1720.3	1716.1	1703.8	1716.1	1720.3	1731.8	1739.5	1761.3
175°	1819.3	1802.0	1802.0	1800.1	1794.4	1782.8	1794.4	1800.1	1802.0	1802.0	1819.3
177.5°	1867.7	1858.5	1864.6	1864.6	1863.1	1852.3	1863.1	1864.6	1864.6	1858.5	1867.7
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1428120

CATALOG NUMBER: SQ2W-PP3-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2076.4	2076.4	2076.4	2076.4
2.5°	2084.0	2087.1	2073.9	2060.6
5°	2083.0	2085.4	2068.8	2052.3
7.5°	2076.1	2078.3	2061.3	2044.4
10°	2066.2	2068.4	2053.7	2039.1
12.5°	2049.2	2051.0	2037.1	2023.3
15°	2020.8	2020.6	2007.9	1995.2
17.5°	1991.4	1987.8	1972.4	1957.0
20°	1970.3	1964.2	1945.7	1927.2
22.5°	1946.9	1938.9	1917.2	1895.5
25°	1906.7	1891.1	1869.6	1848.1
27.5°	1862.2	1835.4	1814.1	1792.8
30°	1827.6	1796.9	1776.4	1755.9
32.5°	1785.5	1752.8	1731.6	1710.3
35°	1716.4	1678.4	1657.9	1637.4
37.5°	1642.7	1600.0	1576.8	1553.6
40°	1593.5	1550.8	1520.6	1490.4
42.5°	1540.8	1506.6	1467.7	1428.9
45°	1447.2	1426.2	1380.4	1334.5
47.5°	1318.7	1324.5	1279.3	1234.0
50°	1220.4	1251.4	1208.4	1165.5
52.5°	1118.0	1164.7	1126.5	1088.2
55°	969.4	1020.6	994.3	968.0
57.5°	819.9	860.2	841.6	823.1
60°	719.2	755.8	741.2	726.5
62.5°	626.7	664.9	651.8	638.7
65°	503.4	543.4	530.7	518.0
67.5°	402.3	439.9	426.1	412.2
70°	343.1	378.3	363.6	349.0
72.5°	293.4	324.0	310.2	296.3
75°	223.2	245.3	234.6	223.9
77.5°	161.5	176.1	169.3	162.4
80°	122.9	133.2	130.2	127.3
82.5°	87.8	93.7	94.7	95.7
85°	44.6	46.6	48.5	50.5
87.5°	19.8	20.0	18.5	17.0
90°	34.5	21.1	13.4	5.8
92.5°	74.5	51.8	36.5	21.1
95°	149.7	119.0	84.4	59.5
97.5°	238.4	188.8	154.7	113.6
100°	285.9	238.0	205.3	161.2
102.5°	338.1	297.8	252.9	208.8
105°	431.8	381.9	330.1	280.2
107.5°	518.5	463.7	401.5	356.6
110°	573.8	514.3	449.1	408.8



TEST NUMBER: P1428120

CATALOG NUMBER: SQ2W-PP3-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	627.5	566.5	499.7	459.4
115°	700.5	633.3	571.9	537.3
117.5°	770.7	701.6	636.8	609.5
120°	813.7	744.6	681.3	660.2
122.5°	849.0	781.5	722.7	713.9
125°	902.0	832.9	783.0	794.5
127.5°	945.0	881.6	850.2	875.9
130°	971.1	915.4	896.2	932.7
132.5°	994.1	950.7	942.3	992.6
135°	1028.6	1003.7	1011.4	1080.5
137.5°	1069.7	1060.1	1085.8	1173.0
140°	1095.8	1101.6	1138.0	1235.9
142.5°	1131.1	1144.5	1191.8	1295.8
145°	1186.0	1214.8	1276.2	1379.8
147.5°	1248.2	1285.4	1361.4	1467.7
150°	1289.6	1337.6	1418.2	1519.9
152.5°	1337.2	1386.7	1467.3	1570.6
155°	1410.5	1466.2	1550.6	1638.9
157.5°	1485.4	1542.2	1622.8	1699.9
160°	1531.4	1592.8	1665.8	1736.8
162.5°	1583.6	1640.4	1704.2	1767.5
165°	1660.0	1706.1	1757.9	1811.6
167.5°	1724.1	1762.5	1803.2	1845.0
170°	1765.6	1796.3	1830.8	1863.4
172.5°	1800.9	1825.4	1850.8	1878.8
175°	1848.1	1861.5	1876.9	1894.1
177.5°	1884.6	1889.2	1893.8	1901.4
180°	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1428120
 CATALOG NUMBER: SQ2W-PP3-K-125U-100D-L835-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	19.52	20.34	20.49	21.32	22.62	15.29	16.11	16.27	17.09	18.39
	3H	20.58	21.31	21.56	22.30	23.62	16.60	17.33	17.58	18.32	19.64
	4H	20.94	21.63	21.94	22.63	23.96	17.15	17.84	18.15	18.84	20.16
	6H	21.13	21.77	22.15	22.77	24.11	17.51	18.15	18.52	19.15	20.49
	8H	21.20	21.80	22.21	22.82	24.15	17.64	18.25	18.66	19.26	20.60
	12H	21.22	21.79	22.24	22.80	24.16	17.67	18.25	18.70	19.26	20.62
4H	2H	19.63	20.32	20.64	21.32	22.65	16.19	16.89	17.20	17.88	19.21
	3H	20.92	21.50	21.94	22.52	23.86	17.61	18.19	18.63	19.21	20.55
	4H	21.43	21.95	22.45	22.97	24.33	18.23	18.76	19.26	19.77	21.14
	6H	21.74	22.19	22.78	23.23	24.59	18.68	19.13	19.71	20.17	21.53
	8H	21.85	22.27	22.89	23.31	24.68	18.85	19.26	19.88	20.30	21.67
	12H	21.89	22.27	22.95	23.32	24.70	18.89	19.27	19.95	20.32	21.70
8H	4H	21.45	21.86	22.48	22.90	24.27	18.54	18.96	19.57	19.99	21.37
	6H	21.86	22.20	22.91	23.28	24.65	19.10	19.44	20.16	20.52	21.89
	8H	22.04	22.34	23.10	23.40	24.79	19.35	19.65	20.41	20.71	22.10
	12H	22.13	22.40	23.20	23.46	24.89	19.44	19.71	20.51	20.77	22.20
12H	4H	21.40	21.78	22.46	22.83	24.21	18.55	18.93	19.60	19.98	21.36
	6H	21.85	22.15	22.91	23.22	24.61	19.16	19.47	20.23	20.53	21.92
	8H	22.04	22.31	23.11	23.37	24.80	19.44	19.71	20.50	20.76	22.19