

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: P1428456

Luminaire Tested: SQ2W-PW1-K-125U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428456
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-125U-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES 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

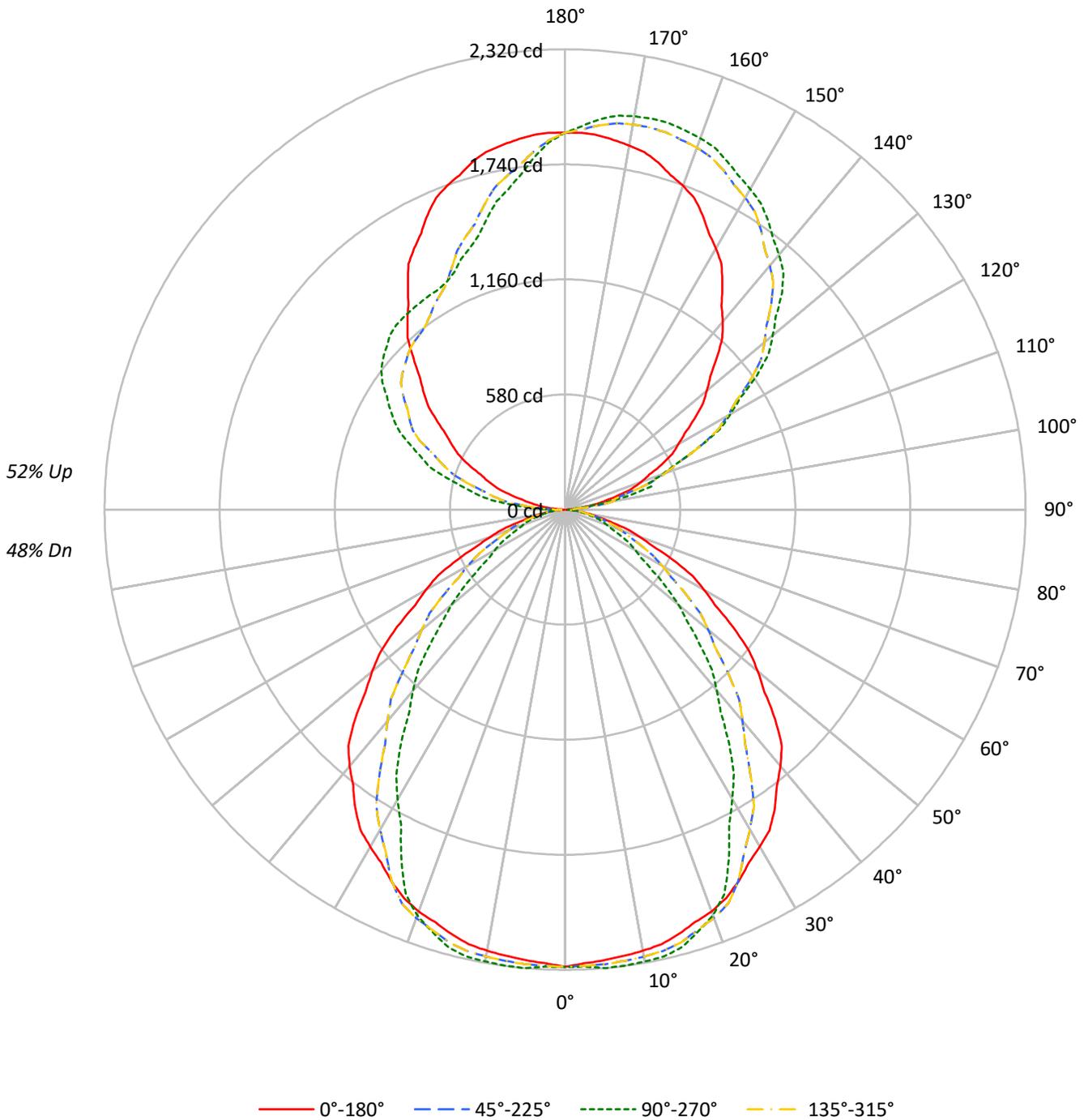
Lumens per Lamp: N/A
Luminaire Lumens: 10669.2 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 81.6
Input Voltage (V): 120
Input Current (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

TEST NUMBER: P1428456

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L835-UNV-STD-W-WM-4

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	37211	37211	37211	37211
5°	36961	37602	36961	37602
10°	37029	37929	37029	37929
15°	37019	38156	37019	38156
20°	37034	37412	37034	37412
25°	36834	34762	36834	34762
30°	36584	31427	36584	31427
35°	36298	28381	36298	28381
40°	35575	25075	35575	25075
45°	34181	21902	34181	21902
50°	31812	18746	31812	18746
55°	29100	15200	29100	15200
60°	26082	13113	26082	13113
65°	22808	11656	22808	11656
70°	18651	10570	18651	10570
75°	14516	9719	14516	9719
80°	10813	8573	10813	8573
85°	7317	4872	7317	4872

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 34181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.5	2.1
10°-20°	635.9	6.0
20°-30°	935.8	8.8
30°-40°	1023.1	9.6
40°-50°	917.8	8.6
50°-60°	684.6	6.4
60°-70°	432.7	4.1
70°-80°	214.4	2.0
80°-90°	58.0	0.5
90°-100°	151.2	1.4
100°-110°	440.9	4.1
110°-120°	719.6	6.7
120°-130°	913.1	8.6
130°-140°	977.1	9.2
140°-150°	912.4	8.6
150°-160°	750.8	7.0
160°-170°	503.5	4.7
170°-180°	178.8	1.7
0°-30°	1791.1	16.8
0°-40°	2814.2	26.4
0°-60°	4416.7	41.4
0°-90°	5121.9	48.0
90°-120°	1311.8	12.3
90°-150°	4114.3	38.6
90°-180°	5547.0	52.0
0°-180°	10669.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2305	2305	2305	2305	2305	
5°	2280	2320	2280	2320	2280	217
15°	2215	2283	2215	2283	2215	625
25°	2068	1951	2068	1951	2068	952
35°	1842	1440	1842	1440	1842	1149
45°	1497	959	1497	959	1497	1148
55°	1034	540	1034	540	1034	923
65°	597	305	597	305	597	592
75°	233	156	233	156	233	256
85°	40	26	40	26	40	50
90°	6	42	6	82	6	6
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°	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7
2.5°	2288.9	2302.2	2315.4	2312.3	2303.7	2299.8	2300.6	2301.8	2304.1	2306.4	2304.1
5°	2280.5	2297.1	2313.7	2311.3	2302.5	2298.6	2299.6	2302.5	2311.3	2320.1	2311.3
7.5°	2269.1	2285.9	2302.7	2301.9	2295.3	2293.6	2296.9	2301.6	2310.2	2318.7	2310.2
10°	2258.6	2276.2	2293.7	2293.7	2287.9	2287.4	2292.3	2297.9	2305.7	2313.5	2305.7
12.5°	2244.5	2262.9	2281.2	2282.6	2278.3	2279.0	2284.6	2290.8	2298.6	2306.4	2298.6
15°	2214.7	2234.2	2253.7	2257.9	2256.9	2259.8	2266.6	2273.0	2277.9	2282.7	2277.9
17.5°	2180.0	2199.5	2219.0	2222.9	2221.5	2221.7	2223.5	2225.4	2227.7	2230.1	2227.7
20°	2155.4	2174.9	2194.5	2197.1	2194.2	2189.3	2182.5	2177.4	2177.4	2177.4	2177.4
22.5°	2120.3	2141.4	2162.5	2162.6	2155.8	2143.1	2124.6	2109.1	2102.9	2096.6	2102.9
25°	2067.6	2088.1	2108.6	2099.1	2079.6	2050.8	2012.8	1980.6	1965.9	1951.3	1965.9
27.5°	2006.2	2022.8	2039.3	2014.5	1975.9	1929.5	1875.5	1829.9	1809.6	1789.3	1809.6
30°	1962.3	1975.0	1987.6	1948.4	1891.8	1833.8	1774.2	1724.7	1705.2	1685.7	1705.2
32.5°	1916.6	1921.5	1926.4	1874.6	1804.0	1737.8	1675.9	1624.3	1603.2	1582.1	1603.2
35°	1841.6	1832.8	1824.0	1755.2	1666.4	1590.8	1528.4	1477.0	1458.4	1439.9	1458.4
37.5°	1752.9	1726.7	1700.6	1623.1	1528.5	1448.5	1383.1	1329.0	1308.5	1288.0	1308.5
40°	1687.9	1650.8	1613.8	1530.6	1432.1	1350.1	1284.8	1230.6	1210.1	1189.7	1210.1
42.5°	1615.9	1569.5	1523.0	1437.5	1339.0	1257.1	1191.7	1137.4	1116.1	1094.8	1116.1
45°	1497.0	1442.3	1387.7	1298.7	1198.2	1116.3	1052.8	1000.2	979.7	959.2	979.7
47.5°	1363.1	1308.8	1254.6	1165.8	1065.5	984.7	923.2	872.7	855.1	837.6	855.1
50°	1266.5	1213.8	1161.1	1076.3	980.7	902.1	840.7	789.2	767.7	746.3	767.7
52.5°	1168.1	1120.9	1073.7	992.0	898.7	820.6	757.5	703.0	673.7	644.4	673.7
55°	1033.8	988.9	944.1	867.0	779.2	700.2	629.9	573.1	556.5	540.0	556.5
57.5°	895.5	856.7	817.9	748.6	669.2	597.6	533.8	482.5	468.9	455.2	468.9
60°	807.7	773.6	739.5	673.1	596.0	530.7	477.0	433.4	419.7	406.1	419.7
62.5°	723.5	693.2	663.0	599.4	524.6	465.9	423.2	388.3	377.0	365.7	377.0
65°	597.0	574.6	552.2	499.7	437.3	388.5	353.4	324.6	314.9	305.1	314.9
67.5°	474.1	461.6	449.1	409.9	361.7	322.2	291.3	266.6	260.2	253.7	260.2
70°	395.1	391.2	387.3	354.8	312.9	279.2	253.9	233.6	228.8	223.9	228.8
72.5°	326.6	328.2	329.7	302.8	266.3	238.1	218.2	202.4	199.1	195.8	199.1
75°	232.7	240.5	248.3	230.5	204.1	184.1	170.5	159.7	157.8	155.8	157.8
77.5°	158.5	170.2	181.9	170.3	151.0	136.3	126.1	118.1	116.6	115.0	116.6
80°	116.3	128.0	139.7	131.7	117.1	105.8	98.0	92.2	92.2	92.2	92.2
82.5°	81.2	90.6	99.9	94.2	83.5	76.2	72.3	69.4	69.4	69.4	69.4
85°	39.5	44.4	49.3	47.6	43.7	38.8	32.9	28.3	27.3	26.3	27.3
87.5°	11.7	15.6	19.8	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°	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7
2.5°	2301.8	2300.6	2299.8	2303.7	2312.3	2315.4	2302.2	2288.9	2302.2	2315.4	2312.3
5°	2302.5	2299.6	2298.6	2302.5	2311.3	2313.7	2297.1	2280.5	2297.1	2313.7	2311.3
7.5°	2301.6	2296.9	2293.6	2295.3	2301.9	2302.7	2285.9	2269.1	2285.9	2302.7	2301.9
10°	2297.9	2292.3	2287.4	2287.9	2293.7	2293.7	2276.2	2258.6	2276.2	2293.7	2293.7
12.5°	2290.8	2284.6	2279.0	2278.3	2282.6	2281.2	2262.9	2244.5	2262.9	2281.2	2282.6
15°	2273.0	2266.6	2259.8	2256.9	2257.9	2253.7	2234.2	2214.7	2234.2	2253.7	2257.9
17.5°	2225.4	2223.5	2221.7	2221.5	2222.9	2219.0	2199.5	2180.0	2199.5	2219.0	2222.9
20°	2177.4	2182.5	2189.3	2194.2	2197.1	2194.5	2174.9	2155.4	2174.9	2194.5	2197.1
22.5°	2109.1	2124.6	2143.1	2155.8	2162.6	2162.5	2141.4	2120.3	2141.4	2162.5	2162.6
25°	1980.6	2012.8	2050.8	2079.6	2099.1	2108.6	2088.1	2067.6	2088.1	2108.6	2099.1
27.5°	1829.9	1875.5	1929.5	1975.9	2014.5	2039.3	2022.8	2006.2	2022.8	2039.3	2014.5
30°	1724.7	1774.2	1833.8	1891.8	1948.4	1987.6	1975.0	1962.3	1975.0	1987.6	1948.4
32.5°	1624.3	1675.9	1737.8	1804.0	1874.6	1926.4	1921.5	1916.6	1921.5	1926.4	1874.6
35°	1477.0	1528.4	1590.8	1666.4	1755.2	1824.0	1832.8	1841.6	1832.8	1824.0	1755.2
37.5°	1329.0	1383.1	1448.5	1528.5	1623.1	1700.6	1726.7	1752.9	1726.7	1700.6	1623.1
40°	1230.6	1284.8	1350.1	1432.1	1530.6	1613.8	1650.8	1687.9	1650.8	1613.8	1530.6
42.5°	1137.4	1191.7	1257.1	1339.0	1437.5	1523.0	1569.5	1615.9	1569.5	1523.0	1437.5
45°	1000.2	1052.8	1116.3	1198.2	1298.7	1387.7	1442.3	1497.0	1442.3	1387.7	1298.7
47.5°	872.7	923.2	984.7	1065.5	1165.8	1254.6	1308.8	1363.1	1308.8	1254.6	1165.8
50°	789.2	840.7	902.1	980.7	1076.3	1161.1	1213.8	1266.5	1213.8	1161.1	1076.3
52.5°	703.0	757.5	820.6	898.7	992.0	1073.7	1120.9	1168.1	1120.9	1073.7	992.0
55°	573.1	629.9	700.2	779.2	867.0	944.1	988.9	1033.8	988.9	944.1	867.0
57.5°	482.5	533.8	597.6	669.2	748.6	817.9	856.7	895.5	856.7	817.9	748.6
60°	433.4	477.0	530.7	596.0	673.1	739.5	773.6	807.7	773.6	739.5	673.1
62.5°	388.3	423.2	465.9	524.6	599.4	663.0	693.2	723.5	693.2	663.0	599.4
65°	324.6	353.4	388.5	437.3	499.7	552.2	574.6	597.0	574.6	552.2	499.7
67.5°	266.6	291.3	322.2	361.7	409.9	449.1	461.6	474.1	461.6	449.1	409.9
70°	233.6	253.9	279.2	312.9	354.8	387.3	391.2	395.1	391.2	387.3	354.8
72.5°	202.4	218.2	238.1	266.3	302.8	329.7	328.2	326.6	328.2	329.7	302.8
75°	159.7	170.5	184.1	204.1	230.5	248.3	240.5	232.7	240.5	248.3	230.5
77.5°	118.1	126.1	136.3	151.0	170.3	181.9	170.2	158.5	170.2	181.9	170.3
80°	92.2	98.0	105.8	117.1	131.7	139.7	128.0	116.3	128.0	139.7	131.7
82.5°	69.4	72.3	76.2	83.5	94.2	99.9	90.6	81.2	90.6	99.9	94.2
85°	28.3	32.9	38.8	43.7	47.6	49.3	44.4	39.5	44.4	49.3	47.6
87.5°	13.3	13.5	14.3	16.3	19.0	19.8	15.6	11.7	15.6	19.4	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: P1428456

CATALOG NUMBER: SQ2W-PW1-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: P1428456

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7	2304.7
2.5°	2303.7	2299.8	2300.6	2301.8	2304.1	2306.4	2304.1	2301.8	2300.6	2299.8	2303.7
5°	2302.5	2298.6	2299.6	2302.5	2311.3	2320.1	2311.3	2302.5	2299.6	2298.6	2302.5
7.5°	2295.3	2293.6	2296.9	2301.6	2310.2	2318.7	2310.2	2301.6	2296.9	2293.6	2295.3
10°	2287.9	2287.4	2292.3	2297.9	2305.7	2313.5	2305.7	2297.9	2292.3	2287.4	2287.9
12.5°	2278.3	2279.0	2284.6	2290.8	2298.6	2306.4	2298.6	2290.8	2284.6	2279.0	2278.3
15°	2256.9	2259.8	2266.6	2273.0	2277.9	2282.7	2277.9	2273.0	2266.6	2259.8	2256.9
17.5°	2221.5	2221.7	2223.5	2225.4	2227.7	2230.1	2227.7	2225.4	2223.5	2221.7	2221.5
20°	2194.2	2189.3	2182.5	2177.4	2177.4	2177.4	2177.4	2177.4	2182.5	2189.3	2194.2
22.5°	2155.8	2143.1	2124.6	2109.1	2102.9	2096.6	2102.9	2109.1	2124.6	2143.1	2155.8
25°	2079.6	2050.8	2012.8	1980.6	1965.9	1951.3	1965.9	1980.6	2012.8	2050.8	2079.6
27.5°	1975.9	1929.5	1875.5	1829.9	1809.6	1789.3	1809.6	1829.9	1875.5	1929.5	1975.9
30°	1891.8	1833.8	1774.2	1724.7	1705.2	1685.7	1705.2	1724.7	1774.2	1833.8	1891.8
32.5°	1804.0	1737.8	1675.9	1624.3	1603.2	1582.1	1603.2	1624.3	1675.9	1737.8	1804.0
35°	1666.4	1590.8	1528.4	1477.0	1458.4	1439.9	1458.4	1477.0	1528.4	1590.8	1666.4
37.5°	1528.5	1448.5	1383.1	1329.0	1308.5	1288.0	1308.5	1329.0	1383.1	1448.5	1528.5
40°	1432.1	1350.1	1284.8	1230.6	1210.1	1189.7	1210.1	1230.6	1284.8	1350.1	1432.1
42.5°	1339.0	1257.1	1191.7	1137.4	1116.1	1094.8	1116.1	1137.4	1191.7	1257.1	1339.0
45°	1198.2	1116.3	1052.8	1000.2	979.7	959.2	979.7	1000.2	1052.8	1116.3	1198.2
47.5°	1065.5	984.7	923.2	872.7	855.1	837.6	855.1	872.7	923.2	984.7	1065.5
50°	980.7	902.1	840.7	789.2	767.7	746.3	767.7	789.2	840.7	902.1	980.7
52.5°	898.7	820.6	757.5	703.0	673.7	644.4	673.7	703.0	757.5	820.6	898.7
55°	779.2	700.2	629.9	573.1	556.5	540.0	556.5	573.1	629.9	700.2	779.2
57.5°	669.2	597.6	533.8	482.5	468.9	455.2	468.9	482.5	533.8	597.6	669.2
60°	596.0	530.7	477.0	433.4	419.7	406.1	419.7	433.4	477.0	530.7	596.0
62.5°	524.6	465.9	423.2	388.3	377.0	365.7	377.0	388.3	423.2	465.9	524.6
65°	437.3	388.5	353.4	324.6	314.9	305.1	314.9	324.6	353.4	388.5	437.3
67.5°	361.7	322.2	291.3	266.6	260.2	253.7	260.2	266.6	291.3	322.2	361.7
70°	312.9	279.2	253.9	233.6	228.8	223.9	228.8	233.6	253.9	279.2	312.9
72.5°	266.3	238.1	218.2	202.4	199.1	195.8	199.1	202.4	218.2	238.1	266.3
75°	204.1	184.1	170.5	159.7	157.8	155.8	157.8	159.7	170.5	184.1	204.1
77.5°	151.0	136.3	126.1	118.1	116.6	115.0	116.6	118.1	126.1	136.3	151.0
80°	117.1	105.8	98.0	92.2	92.2	92.2	92.2	92.2	98.0	105.8	117.1
82.5°	83.5	76.2	72.3	69.4	69.4	69.4	69.4	69.4	72.3	76.2	83.5
85°	43.7	38.8	32.9	28.3	27.3	26.3	27.3	28.3	32.9	38.8	43.7
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: P1428456

CATALOG NUMBER: SQ2W-PW1-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: P1428456

CATALOG NUMBER: SQ2W-PW1-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2304.7	2304.7	2304.7	2304.7
2.5°	2312.3	2315.4	2302.2	2288.9
5°	2311.3	2313.7	2297.1	2280.5
7.5°	2301.9	2302.7	2285.9	2269.1
10°	2293.7	2293.7	2276.2	2258.6
12.5°	2282.6	2281.2	2262.9	2244.5
15°	2257.9	2253.7	2234.2	2214.7
17.5°	2222.9	2219.0	2199.5	2180.0
20°	2197.1	2194.5	2174.9	2155.4
22.5°	2162.6	2162.5	2141.4	2120.3
25°	2099.1	2108.6	2088.1	2067.6
27.5°	2014.5	2039.3	2022.8	2006.2
30°	1948.4	1987.6	1975.0	1962.3
32.5°	1874.6	1926.4	1921.5	1916.6
35°	1755.2	1824.0	1832.8	1841.6
37.5°	1623.1	1700.6	1726.7	1752.9
40°	1530.6	1613.8	1650.8	1687.9
42.5°	1437.5	1523.0	1569.5	1615.9
45°	1298.7	1387.7	1442.3	1497.0
47.5°	1165.8	1254.6	1308.8	1363.1
50°	1076.3	1161.1	1213.8	1266.5
52.5°	992.0	1073.7	1120.9	1168.1
55°	867.0	944.1	988.9	1033.8
57.5°	748.6	817.9	856.7	895.5
60°	673.1	739.5	773.6	807.7
62.5°	599.4	663.0	693.2	723.5
65°	499.7	552.2	574.6	597.0
67.5°	409.9	449.1	461.6	474.1
70°	354.8	387.3	391.2	395.1
72.5°	302.8	329.7	328.2	326.6
75°	230.5	248.3	240.5	232.7
77.5°	170.3	181.9	170.2	158.5
80°	131.7	139.7	128.0	116.3
82.5°	94.2	99.9	90.6	81.2
85°	47.6	49.3	44.4	39.5
87.5°	19.8	19.4	15.6	11.7
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: P1428456

CATALOG NUMBER: SQ2W-PW1-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: P1428456
 CATALOG NUMBER: SQ2W-PW1-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	19.29	20.10	20.27	21.09	22.39	15.54	16.34	16.52	17.33	18.64
	3H	20.59	21.31	21.58	22.31	23.63	16.80	17.52	17.80	18.52	19.85
	4H	20.99	21.68	22.00	22.68	24.01	17.31	17.99	18.31	18.99	20.32
	6H	21.17	21.80	22.19	22.80	24.15	17.61	18.24	18.63	19.25	20.59
	8H	21.21	21.81	22.23	22.83	24.17	17.72	18.32	18.75	19.35	20.69
	12H	21.21	21.78	22.24	22.79	24.16	17.75	18.32	18.78	19.34	20.70
4H	2H	19.41	20.10	20.43	21.10	22.43	16.34	17.02	17.35	18.02	19.36
	3H	20.95	21.52	21.97	22.55	23.89	17.78	18.35	18.80	19.38	20.73
	4H	21.49	22.01	22.52	23.03	24.40	18.36	18.88	19.39	19.90	21.27
	6H	21.80	22.25	22.84	23.29	24.66	18.74	19.18	19.78	20.23	21.60
	8H	21.89	22.31	22.93	23.35	24.73	18.89	19.30	19.93	20.34	21.72
	12H	21.91	22.28	22.97	23.34	24.72	18.93	19.30	19.99	20.36	21.74
8H	4H	21.53	21.94	22.57	22.98	24.36	18.70	19.11	19.74	20.15	21.53
	6H	21.95	22.29	23.01	23.37	24.75	19.19	19.53	20.25	20.61	21.99
	8H	22.12	22.42	23.19	23.48	24.88	19.41	19.71	20.48	20.77	22.17
	12H	22.19	22.46	23.27	23.52	24.96	19.49	19.75	20.56	20.81	22.25
12H	4H	21.48	21.86	22.54	22.91	24.30	18.71	19.09	19.77	20.14	21.53
	6H	21.94	22.24	23.01	23.31	24.70	19.26	19.56	20.33	20.63	22.03
	8H	22.13	22.39	23.20	23.45	24.89	19.51	19.77	20.58	20.83	22.27