

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: P1428288

Luminaire Tested: SQ2W-PR1-K-125U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428288
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-125U-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE 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

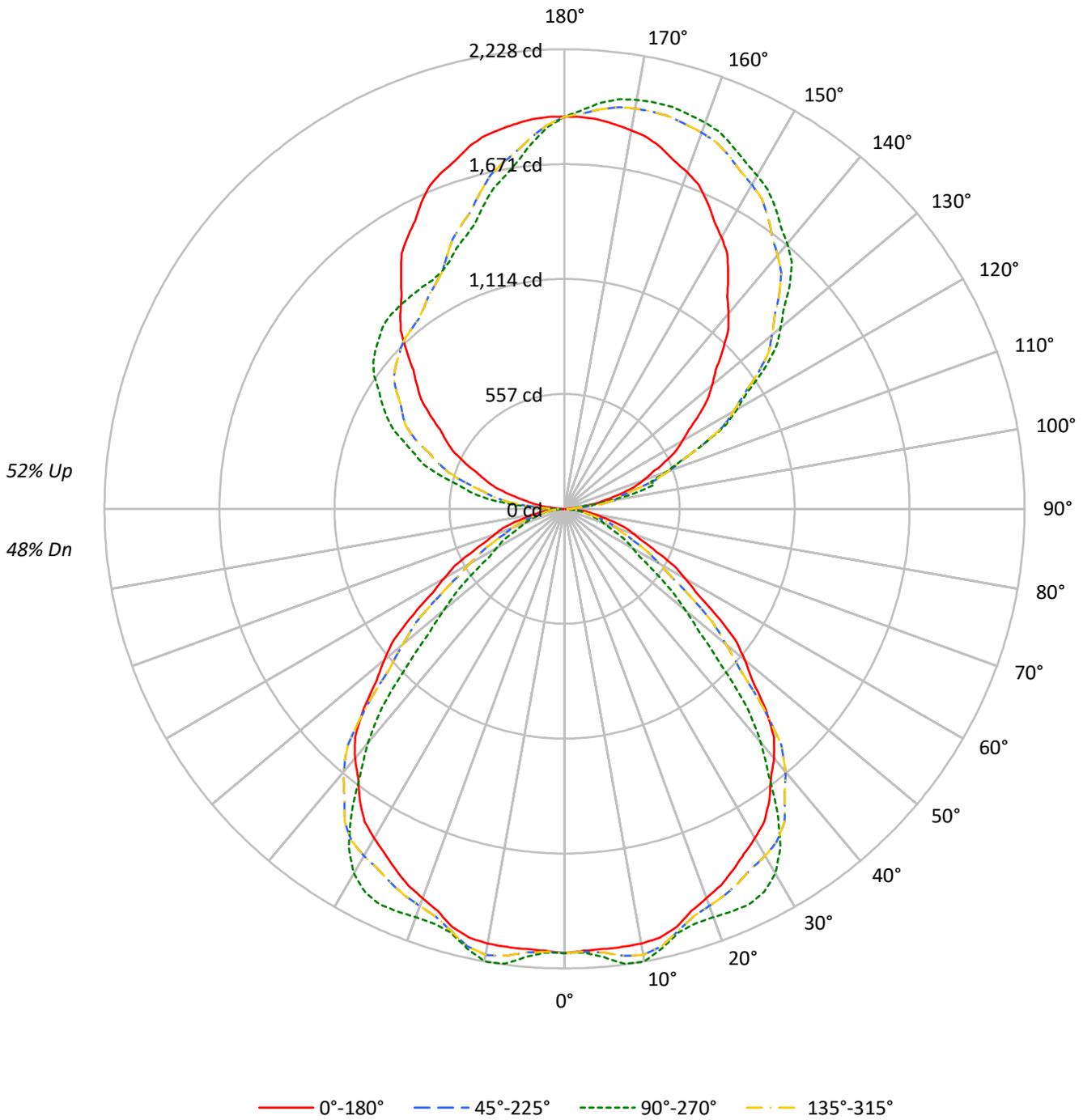
Lumens per Lamp: N/A
Luminaire Lumens: 10735.5 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

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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	82	82	82	68	68	68	55	55	55	48				48
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	61	75	68	62	57	58	53	49	48	45	42	39	37	35				31	
4	75	65	57	52	69	60	54	49	51	46	42	43	40	37	36	33	31				27	
5	69	58	50	45	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	22				19	
8	55	43	35	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	27	23	29	24	21	25	21	18	21	18	16				14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34765	34765	34765	34765
5°	34721	35361	34721	35361
10°	35086	36526	35086	36526
15°	35075	35551	35075	35551
20°	34508	36204	34508	36204
25°	34409	37694	34409	37694
30°	34373	38057	34373	38057
35°	34047	35433	34047	35433
40°	33263	31181	33263	31181
45°	31473	24658	31473	24658
50°	28614	19130	28614	19130
55°	25145	14891	25145	14891
60°	21758	12261	21758	12261
65°	18785	10735	18785	10735
70°	16890	9531	16890	9531
75°	15471	8765	15471	8765
80°	13473	8573	13473	8573
85°	9763	4057	9763	4057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 33791 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.9	1.9
10°-20°	602.0	5.6
20°-30°	930.5	8.7
30°-40°	1119.1	10.4
40°-50°	1004.9	9.4
50°-60°	673.3	6.3
60°-70°	391.7	3.6
70°-80°	201.2	1.9
80°-90°	57.5	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°	1740.5	16.2
0°-40°	2859.5	26.6
0°-60°	4537.7	42.3
0°-90°	5188.1	48.3
90°-120°	1311.8	12.2
90°-150°	4114.3	38.3
90°-180°	5547.0	51.7
0°-180°	10735.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2153	2153	2153	2153	2153	
5°	2142	2182	2142	2182	2142	204
15°	2098	2127	2098	2127	2098	589
25°	1932	2116	1932	2116	1932	891
35°	1727	1798	1727	1798	1727	1077
45°	1378	1080	1378	1080	1378	1054
55°	893	529	893	529	893	803
65°	492	281	492	281	492	497
75°	248	140	248	140	248	263
85°	53	22	53	22	53	65
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°	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2
2.5°	2144.5	2156.2	2167.9	2162.6	2151.7	2146.6	2147.4	2148.6	2150.9	2153.2	2150.9
5°	2142.3	2158.8	2175.4	2171.5	2160.8	2156.4	2158.4	2162.3	2172.0	2181.8	2172.0
7.5°	2141.8	2165.4	2189.0	2190.8	2185.4	2185.5	2191.1	2198.6	2211.5	2224.3	2211.5
10°	2140.1	2168.4	2196.6	2200.8	2196.9	2195.4	2196.4	2200.5	2214.2	2227.9	2214.2
12.5°	2129.5	2162.5	2195.5	2192.0	2176.4	2167.9	2166.5	2167.4	2174.8	2182.2	2174.8
15°	2098.4	2137.4	2176.4	2160.5	2126.4	2110.8	2113.7	2117.1	2122.0	2126.9	2122.0
17.5°	2043.5	2084.3	2125.0	2110.8	2078.2	2067.2	2077.7	2088.0	2097.6	2107.1	2097.6
20°	2008.4	2048.4	2088.4	2078.6	2052.3	2045.9	2059.6	2074.0	2090.6	2107.1	2090.6
22.5°	1976.8	2016.8	2056.8	2050.5	2028.9	2027.6	2046.7	2066.8	2089.6	2112.4	2089.6
25°	1931.5	1966.7	2001.8	2002.5	1991.8	2002.5	2034.7	2065.2	2090.6	2115.9	2090.6
27.5°	1884.1	1904.8	1925.5	1939.2	1950.5	1977.9	2021.4	2058.5	2076.2	2094.0	2076.2
30°	1843.7	1857.4	1871.1	1896.4	1925.7	1959.3	1997.4	2027.6	2034.5	2041.3	2034.5
32.5°	1799.8	1808.0	1816.2	1851.9	1896.8	1929.3	1949.4	1962.3	1953.5	1944.7	1953.5
35°	1727.4	1734.2	1741.1	1786.7	1845.2	1866.7	1851.1	1834.7	1816.2	1797.7	1816.2
37.5°	1641.4	1655.4	1669.5	1706.6	1751.5	1751.1	1705.5	1665.9	1644.6	1623.4	1644.6
40°	1578.2	1601.6	1625.0	1649.9	1675.2	1653.8	1585.5	1528.2	1503.8	1479.4	1503.8
42.5°	1500.9	1538.4	1575.8	1581.4	1576.3	1530.3	1443.2	1370.5	1340.7	1310.8	1340.7
45°	1378.4	1429.1	1479.9	1450.9	1395.2	1320.1	1225.5	1146.2	1113.1	1079.9	1113.1
47.5°	1234.0	1286.1	1338.2	1283.5	1193.1	1105.7	1021.2	950.1	919.1	888.1	919.1
50°	1139.2	1181.1	1223.1	1161.1	1064.5	976.7	897.7	829.9	795.8	761.6	795.8
52.5°	1042.6	1072.8	1103.1	1041.7	949.8	864.4	785.3	718.3	687.3	656.3	687.3
55°	893.3	908.9	924.6	867.7	786.8	708.7	633.6	571.9	550.4	529.0	550.4
57.5°	756.4	766.3	776.3	722.4	647.3	577.9	514.1	462.3	446.5	430.6	446.5
60°	673.8	680.7	687.5	632.9	557.8	495.3	445.6	405.1	392.4	379.7	392.4
62.5°	598.3	603.6	608.9	556.2	484.2	428.4	388.8	356.7	347.1	337.6	347.1
65°	491.7	496.5	501.4	456.5	395.1	349.2	319.0	294.6	287.8	281.0	287.8
67.5°	406.9	409.5	412.0	375.0	324.9	287.9	264.1	244.7	238.2	231.8	238.2
70°	357.8	358.8	359.7	327.0	283.1	250.5	229.0	211.7	206.8	201.9	206.8
72.5°	313.9	312.5	311.1	282.0	243.5	215.5	198.0	184.0	180.7	177.4	180.7
75°	248.0	245.1	242.2	218.0	186.8	165.4	153.6	144.4	142.4	140.5	142.4
77.5°	185.3	182.1	179.0	158.9	133.2	118.3	114.4	111.5	111.5	111.5	111.5
80°	144.9	141.0	137.1	121.5	101.9	92.2	92.2	92.2	92.2	92.2	92.2
82.5°	108.0	102.5	97.1	87.5	76.6	71.1	71.1	70.9	70.1	69.4	70.1
85°	52.7	47.8	42.9	41.7	41.7	38.8	32.9	27.8	24.9	21.9	24.9
87.5°	15.2	16.7	18.7	17.3	14.5	12.9	12.9	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°	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2
2.5°	2148.6	2147.4	2146.6	2151.7	2162.6	2167.9	2156.2	2144.5	2156.2	2167.9	2162.6
5°	2162.3	2158.4	2156.4	2160.8	2171.5	2175.4	2158.8	2142.3	2158.8	2175.4	2171.5
7.5°	2198.6	2191.1	2185.5	2185.4	2190.8	2189.0	2165.4	2141.8	2165.4	2189.0	2190.8
10°	2200.5	2196.4	2195.4	2196.9	2200.8	2196.6	2168.4	2140.1	2168.4	2196.6	2200.8
12.5°	2167.4	2166.5	2167.9	2176.4	2192.0	2195.5	2162.5	2129.5	2162.5	2195.5	2192.0
15°	2117.1	2113.7	2110.8	2126.4	2160.5	2176.4	2137.4	2098.4	2137.4	2176.4	2160.5
17.5°	2088.0	2077.7	2067.2	2078.2	2110.8	2125.0	2084.3	2043.5	2084.3	2125.0	2110.8
20°	2074.0	2059.6	2045.9	2052.3	2078.6	2088.4	2048.4	2008.4	2048.4	2088.4	2078.6
22.5°	2066.8	2046.7	2027.6	2028.9	2050.5	2056.8	2016.8	1976.8	2016.8	2056.8	2050.5
25°	2065.2	2034.7	2002.5	1991.8	2002.5	2001.8	1966.7	1931.5	1966.7	2001.8	2002.5
27.5°	2058.5	2021.4	1977.9	1950.5	1939.2	1925.5	1904.8	1884.1	1904.8	1925.5	1939.2
30°	2027.6	1997.4	1959.3	1925.7	1896.4	1871.1	1857.4	1843.7	1857.4	1871.1	1896.4
32.5°	1962.3	1949.4	1929.3	1896.8	1851.9	1816.2	1808.0	1799.8	1808.0	1816.2	1851.9
35°	1834.7	1851.1	1866.7	1845.2	1786.7	1741.1	1734.2	1727.4	1734.2	1741.1	1786.7
37.5°	1665.9	1705.5	1751.1	1751.5	1706.6	1669.5	1655.4	1641.4	1655.4	1669.5	1706.6
40°	1528.2	1585.5	1653.8	1675.2	1649.9	1625.0	1601.6	1578.2	1601.6	1625.0	1649.9
42.5°	1370.5	1443.2	1530.3	1576.3	1581.4	1575.8	1538.4	1500.9	1538.4	1575.8	1581.4
45°	1146.2	1225.5	1320.1	1395.2	1450.9	1479.9	1429.1	1378.4	1429.1	1479.9	1450.9
47.5°	950.1	1021.2	1105.7	1193.1	1283.5	1338.2	1286.1	1234.0	1286.1	1338.2	1283.5
50°	829.9	897.7	976.7	1064.5	1161.1	1223.1	1181.1	1139.2	1181.1	1223.1	1161.1
52.5°	718.3	785.3	864.4	949.8	1041.7	1103.1	1072.8	1042.6	1072.8	1103.1	1041.7
55°	571.9	633.6	708.7	786.8	867.7	924.6	908.9	893.3	908.9	924.6	867.7
57.5°	462.3	514.1	577.9	647.3	722.4	776.3	766.3	756.4	766.3	776.3	722.4
60°	405.1	445.6	495.3	557.8	632.9	687.5	680.7	673.8	680.7	687.5	632.9
62.5°	356.7	388.8	428.4	484.2	556.2	608.9	603.6	598.3	603.6	608.9	556.2
65°	294.6	319.0	349.2	395.1	456.5	501.4	496.5	491.7	496.5	501.4	456.5
67.5°	244.7	264.1	287.9	324.9	375.0	412.0	409.5	406.9	409.5	412.0	375.0
70°	211.7	229.0	250.5	283.1	327.0	359.7	358.8	357.8	358.8	359.7	327.0
72.5°	184.0	198.0	215.5	243.5	282.0	311.1	312.5	313.9	312.5	311.1	282.0
75°	144.4	153.6	165.4	186.8	218.0	242.2	245.1	248.0	245.1	242.2	218.0
77.5°	111.5	114.4	118.3	133.2	158.9	179.0	182.1	185.3	182.1	179.0	158.9
80°	92.2	92.2	92.2	101.9	121.5	137.1	141.0	144.9	141.0	137.1	121.5
82.5°	70.9	71.1	71.1	76.6	87.5	97.1	102.5	108.0	102.5	97.1	87.5
85°	27.8	32.9	38.8	41.7	41.7	42.9	47.8	52.7	47.8	42.9	41.7
87.5°	13.3	12.9	12.9	14.5	17.3	18.7	16.7	15.2	16.7	18.3	18.0
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: P1428288

CATALOG NUMBER: SQ2W-PR1-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: P1428288

CATALOG NUMBER: SQ2W-PR1-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2	2153.2
2.5°	2151.7	2146.6	2147.4	2148.6	2150.9	2153.2	2150.9	2148.6	2147.4	2146.6	2151.7
5°	2160.8	2156.4	2158.4	2162.3	2172.0	2181.8	2172.0	2162.3	2158.4	2156.4	2160.8
7.5°	2185.4	2185.5	2191.1	2198.6	2211.5	2224.3	2211.5	2198.6	2191.1	2185.5	2185.4
10°	2196.9	2195.4	2196.4	2200.5	2214.2	2227.9	2214.2	2200.5	2196.4	2195.4	2196.9
12.5°	2176.4	2167.9	2166.5	2167.4	2174.8	2182.2	2174.8	2167.4	2166.5	2167.9	2176.4
15°	2126.4	2110.8	2113.7	2117.1	2122.0	2126.9	2122.0	2117.1	2113.7	2110.8	2126.4
17.5°	2078.2	2067.2	2077.7	2088.0	2097.6	2107.1	2097.6	2088.0	2077.7	2067.2	2078.2
20°	2052.3	2045.9	2059.6	2074.0	2090.6	2107.1	2090.6	2074.0	2059.6	2045.9	2052.3
22.5°	2028.9	2027.6	2046.7	2066.8	2089.6	2112.4	2089.6	2066.8	2046.7	2027.6	2028.9
25°	1991.8	2002.5	2034.7	2065.2	2090.6	2115.9	2090.6	2065.2	2034.7	2002.5	1991.8
27.5°	1950.5	1977.9	2021.4	2058.5	2076.2	2094.0	2076.2	2058.5	2021.4	1977.9	1950.5
30°	1925.7	1959.3	1997.4	2027.6	2034.5	2041.3	2034.5	2027.6	1997.4	1959.3	1925.7
32.5°	1896.8	1929.3	1949.4	1962.3	1953.5	1944.7	1953.5	1962.3	1949.4	1929.3	1896.8
35°	1845.2	1866.7	1851.1	1834.7	1816.2	1797.7	1816.2	1834.7	1851.1	1866.7	1845.2
37.5°	1751.5	1751.1	1705.5	1665.9	1644.6	1623.4	1644.6	1665.9	1705.5	1751.1	1751.5
40°	1675.2	1653.8	1585.5	1528.2	1503.8	1479.4	1503.8	1528.2	1585.5	1653.8	1675.2
42.5°	1576.3	1530.3	1443.2	1370.5	1340.7	1310.8	1340.7	1370.5	1443.2	1530.3	1576.3
45°	1395.2	1320.1	1225.5	1146.2	1113.1	1079.9	1113.1	1146.2	1225.5	1320.1	1395.2
47.5°	1193.1	1105.7	1021.2	950.1	919.1	888.1	919.1	950.1	1021.2	1105.7	1193.1
50°	1064.5	976.7	897.7	829.9	795.8	761.6	795.8	829.9	897.7	976.7	1064.5
52.5°	949.8	864.4	785.3	718.3	687.3	656.3	687.3	718.3	785.3	864.4	949.8
55°	786.8	708.7	633.6	571.9	550.4	529.0	550.4	571.9	633.6	708.7	786.8
57.5°	647.3	577.9	514.1	462.3	446.5	430.6	446.5	462.3	514.1	577.9	647.3
60°	557.8	495.3	445.6	405.1	392.4	379.7	392.4	405.1	445.6	495.3	557.8
62.5°	484.2	428.4	388.8	356.7	347.1	337.6	347.1	356.7	388.8	428.4	484.2
65°	395.1	349.2	319.0	294.6	287.8	281.0	287.8	294.6	319.0	349.2	395.1
67.5°	324.9	287.9	264.1	244.7	238.2	231.8	238.2	244.7	264.1	287.9	324.9
70°	283.1	250.5	229.0	211.7	206.8	201.9	206.8	211.7	229.0	250.5	283.1
72.5°	243.5	215.5	198.0	184.0	180.7	177.4	180.7	184.0	198.0	215.5	243.5
75°	186.8	165.4	153.6	144.4	142.4	140.5	142.4	144.4	153.6	165.4	186.8
77.5°	133.2	118.3	114.4	111.5	111.5	111.5	111.5	111.5	114.4	118.3	133.2
80°	101.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	101.9
82.5°	76.6	71.1	71.1	70.9	70.1	69.4	70.1	70.9	71.1	71.1	76.6
85°	41.7	38.8	32.9	27.8	24.9	21.9	24.9	27.8	32.9	38.8	41.7
87.5°	16.0	16.8	19.5	21.0	22.5	21.8	22.5	21.0	19.5	16.8	16.0
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: P1428288

CATALOG NUMBER: SQ2W-PR1-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: P1428288

CATALOG NUMBER: SQ2W-PR1-K-125U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2153.2	2153.2	2153.2	2153.2
2.5°	2162.6	2167.9	2156.2	2144.5
5°	2171.5	2175.4	2158.8	2142.3
7.5°	2190.8	2189.0	2165.4	2141.8
10°	2200.8	2196.6	2168.4	2140.1
12.5°	2192.0	2195.5	2162.5	2129.5
15°	2160.5	2176.4	2137.4	2098.4
17.5°	2110.8	2125.0	2084.3	2043.5
20°	2078.6	2088.4	2048.4	2008.4
22.5°	2050.5	2056.8	2016.8	1976.8
25°	2002.5	2001.8	1966.7	1931.5
27.5°	1939.2	1925.5	1904.8	1884.1
30°	1896.4	1871.1	1857.4	1843.7
32.5°	1851.9	1816.2	1808.0	1799.8
35°	1786.7	1741.1	1734.2	1727.4
37.5°	1706.6	1669.5	1655.4	1641.4
40°	1649.9	1625.0	1601.6	1578.2
42.5°	1581.4	1575.8	1538.4	1500.9
45°	1450.9	1479.9	1429.1	1378.4
47.5°	1283.5	1338.2	1286.1	1234.0
50°	1161.1	1223.1	1181.1	1139.2
52.5°	1041.7	1103.1	1072.8	1042.6
55°	867.7	924.6	908.9	893.3
57.5°	722.4	776.3	766.3	756.4
60°	632.9	687.5	680.7	673.8
62.5°	556.2	608.9	603.6	598.3
65°	456.5	501.4	496.5	491.7
67.5°	375.0	412.0	409.5	406.9
70°	327.0	359.7	358.8	357.8
72.5°	282.0	311.1	312.5	313.9
75°	218.0	242.2	245.1	248.0
77.5°	158.9	179.0	182.1	185.3
80°	121.5	137.1	141.0	144.9
82.5°	87.5	97.1	102.5	108.0
85°	41.7	42.9	47.8	52.7
87.5°	18.0	18.3	16.7	15.2
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: P1428288

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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: P1428288
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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	18.84	19.65	19.82	20.64	21.93	15.21	16.02	16.19	17.01	18.30
	3H	20.04	20.77	21.03	21.76	23.08	16.37	17.09	17.36	18.09	19.41
	4H	20.53	21.21	21.53	22.21	23.54	16.83	17.51	17.83	18.51	19.84
	6H	20.82	21.45	21.84	22.45	23.79	17.17	17.80	18.18	18.80	20.14
	8H	20.92	21.52	21.94	22.54	23.88	17.30	17.90	18.32	18.92	20.26
	12H	20.96	21.53	21.99	22.54	23.90	17.33	17.90	18.36	18.91	20.28
4H	2H	18.94	19.62	19.95	20.62	21.95	15.91	16.60	16.93	17.60	18.92
	3H	20.39	20.96	21.41	21.99	23.33	17.26	17.83	18.28	18.86	20.20
	4H	21.02	21.54	22.05	22.56	23.92	17.81	18.32	18.83	19.35	20.71
	6H	21.45	21.89	22.49	22.94	24.30	18.24	18.68	19.28	19.73	21.09
	8H	21.61	22.02	22.64	23.06	24.43	18.42	18.83	19.46	19.87	21.25
	12H	21.67	22.04	22.72	23.10	24.48	18.47	18.84	19.52	19.89	21.27
8H	4H	21.04	21.46	22.08	22.49	23.87	18.13	18.55	19.17	19.58	20.96
	6H	21.57	21.91	22.63	22.99	24.37	18.67	19.01	19.73	20.09	21.46
	8H	21.81	22.11	22.87	23.17	24.56	18.93	19.23	20.00	20.30	21.69
	12H	21.92	22.19	22.99	23.25	24.68	19.02	19.29	20.09	20.35	21.78
12H	4H	21.00	21.37	22.05	22.42	23.80	18.15	18.52	19.20	19.57	20.96
	6H	21.56	21.86	22.63	22.93	24.32	18.74	19.04	19.81	20.11	21.50
	8H	21.81	22.08	22.88	23.13	24.57	19.03	19.29	20.10	20.35	21.79