

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: P1428312

Luminaire Tested: SQ2W-PR1-K-150U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428312
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-150U-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 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

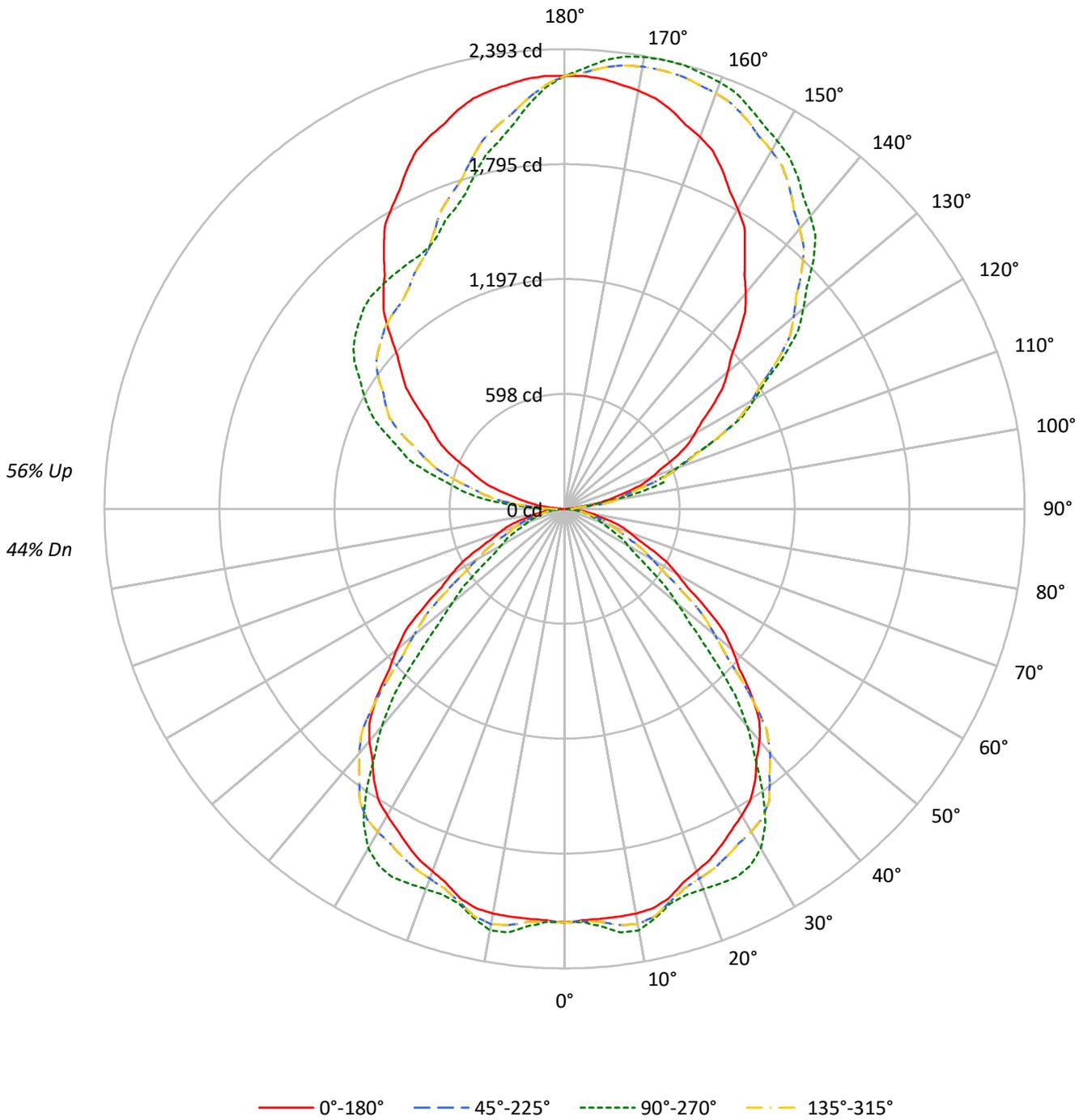
Lumens per Lamp: N/A
Luminaire Lumens: 11769.5 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 92.7
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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44				
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38				
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33				
3	81	72	65	60	74	67	61	56	56	51	48	46	43	40	37	34	33	28				
4	75	64	57	51	68	59	53	48	50	45	41	41	38	35	33	31	29	25				
5	69	57	50	44	63	53	46	41	45	40	36	37	33	30	30	27	25	22				
6	63	52	44	38	58	48	41	36	40	35	31	34	30	27	27	24	22	19				
7	58	47	39	34	54	43	36	32	37	31	28	31	27	24	25	22	20	17				
8	54	42	35	30	50	39	33	28	34	28	25	28	24	21	23	20	18	16				
9	51	39	31	26	46	36	29	25	31	26	22	26	22	19	21	18	16	14				
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	20	17	15	13				

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	1.8
10°-20°	602.0	5.1
20°-30°	930.5	7.9
30°-40°	1119.1	9.5
40°-50°	1004.9	8.5
50°-60°	673.3	5.7
60°-70°	391.7	3.3
70°-80°	201.2	1.7
80°-90°	59.0	0.5
90°-100°	179.4	1.5
100°-110°	523.0	4.4
110°-120°	853.6	7.3
120°-130°	1083.1	9.2
130°-140°	1158.9	9.8
140°-150°	1082.2	9.2
150°-160°	890.5	7.6
160°-170°	597.2	5.1
170°-180°	212.1	1.8
0°-30°	1740.5	14.8
0°-40°	2859.5	24.3
0°-60°	4537.7	38.6
0°-90°	5189.6	44.1
90°-120°	1556.0	13.2
90°-150°	4880.2	41.5
90°-180°	6580.0	55.9
0°-180°	11769.5	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°	7	50	7	98	7	7
95°	71	52	71	307	71	85
105°	332	533	332	733	332	353
115°	637	883	637	1088	637	628
125°	942	1400	942	1334	942	843
135°	1282	1832	1282	1477	1282	990
145°	1637	2112	1637	1509	1637	1024
155°	1944	2294	1944	1566	1944	894
165°	2149	2392	2149	1803	2149	605
175°	2247	2342	2247	2115	2247	213
180°	2254	2254	2254	2254	2254	



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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°	15.4	17.2	19.5	18.4	15.9	14.4	14.4	14.8	15.3	15.3	15.3
90°	6.8	15.9	27.3	36.4	43.3	45.5	45.5	47.8	50.1	50.1	50.1
92.5°	25.0	39.6	40.1	40.1	48.7	52.8	56.5	56.9	59.2	59.2	59.2
95°	70.6	77.4	116.1	113.8	77.4	61.5	52.4	52.4	52.4	52.4	52.4
97.5°	134.8	144.8	151.1	202.6	214.0	206.7	168.4	141.6	126.6	119.7	126.6
100°	191.2	195.8	209.4	211.7	268.6	323.2	295.9	261.8	250.4	243.6	250.4
102.5°	247.7	250.4	271.3	280.9	294.1	325.1	419.8	409.3	401.5	400.2	401.5
105°	332.3	334.6	373.3	391.5	400.6	400.6	398.4	443.9	516.7	532.7	516.7
107.5°	422.9	433.4	478.9	527.7	538.1	540.9	529.0	522.2	519.5	521.3	519.5
110°	484.9	500.8	555.4	616.9	632.8	637.4	632.8	626.0	621.4	621.4	621.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	545.0	568.2	630.1	700.7	727.5	741.2	731.2	726.1	721.6	725.2	721.6
115°	637.4	671.5	753.5	826.3	880.9	887.8	885.5	885.5	883.2	883.2	883.2
117.5°	723.0	777.6	869.6	954.2	1017.5	1035.7	1044.8	1042.1	1039.4	1043.9	1039.4
120°	783.1	846.8	951.5	1047.1	1108.6	1135.9	1145.0	1140.4	1145.0	1140.4	1145.0
122.5°	846.8	925.1	1028.0	1127.2	1199.6	1230.6	1241.5	1242.4	1243.3	1240.6	1243.3
125°	942.4	1038.0	1158.6	1261.1	1336.2	1372.6	1381.7	1384.0	1388.6	1399.9	1388.6
127.5°	1038.9	1147.3	1279.7	1378.5	1455.5	1499.6	1513.8	1518.8	1528.3	1533.3	1528.3
130°	1106.3	1229.2	1363.5	1456.8	1532.0	1579.8	1604.8	1611.6	1623.0	1620.7	1623.0
132.5°	1177.3	1305.7	1441.8	1538.8	1608.4	1659.9	1681.3	1700.9	1705.0	1708.2	1705.0
135°	1281.6	1420.4	1557.0	1652.6	1718.6	1768.7	1796.0	1814.2	1825.6	1832.4	1825.6
137.5°	1391.3	1537.9	1669.0	1754.1	1820.6	1863.9	1894.8	1913.9	1925.8	1931.2	1925.8
140°	1466.0	1607.1	1734.6	1823.3	1882.5	1925.8	1953.1	1975.8	1989.5	1989.5	1989.5
142.5°	1537.0	1676.3	1800.1	1888.9	1940.8	1980.4	2009.5	2026.8	2042.3	2042.3	2042.3
145°	1636.7	1775.5	1889.3	1978.1	2021.4	2057.8	2089.7	2103.3	2112.4	2112.4	2112.4
147.5°	1740.9	1863.9	1967.7	2052.8	2089.2	2132.0	2157.0	2168.0	2179.4	2174.3	2179.4
150°	1802.8	1916.7	2016.8	2096.5	2132.9	2173.9	2198.9	2208.0	2219.4	2212.6	2219.4
152.5°	1862.9	1971.3	2062.3	2136.6	2167.5	2208.5	2237.2	2246.3	2254.0	2249.0	2254.0
155°	1944.0	2039.6	2123.8	2192.1	2219.4	2258.1	2285.4	2296.8	2305.9	2294.5	2305.9
157.5°	2016.4	2098.8	2172.1	2234.9	2264.0	2297.3	2322.8	2336.9	2346.0	2341.0	2346.0
160°	2060.1	2135.2	2201.2	2260.4	2287.7	2317.3	2344.6	2360.5	2369.7	2362.8	2369.7
162.5°	2096.5	2164.3	2226.7	2280.4	2304.1	2330.0	2362.8	2376.9	2386.0	2377.4	2386.0
165°	2148.8	2203.5	2258.1	2303.6	2324.1	2344.6	2378.8	2394.7	2401.5	2392.4	2401.5
167.5°	2188.5	2230.3	2274.5	2313.7	2328.7	2348.7	2382.9	2396.1	2404.7	2393.3	2404.7
170°	2210.3	2246.7	2285.4	2317.3	2328.7	2346.9	2381.0	2392.4	2399.2	2387.9	2399.2
172.5°	2228.5	2255.8	2287.2	2315.5	2321.4	2336.0	2368.3	2379.7	2384.7	2375.1	2384.7
175°	2246.7	2262.7	2285.4	2303.6	2301.4	2310.5	2337.8	2346.9	2356.0	2342.3	2356.0
177.5°	2255.4	2262.7	2269.9	2280.9	2273.6	2273.6	2293.6	2299.1	2300.9	2293.6	2300.9
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



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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°	14.8	14.4	14.4	15.9	18.4	19.5	17.2	15.4	17.2	19.1	19.3
90°	47.8	45.5	45.5	43.3	36.4	27.3	15.9	6.8	15.9	25.0	41.0
92.5°	56.9	56.5	52.8	48.7	40.1	40.1	39.6	25.0	43.3	61.5	88.3
95°	52.4	52.4	61.5	77.4	113.8	116.1	77.4	70.6	100.2	141.1	177.6
97.5°	141.6	168.4	206.7	214.0	202.6	151.1	144.8	134.8	183.5	224.0	282.7
100°	261.8	295.9	323.2	268.6	211.7	209.4	195.8	191.2	243.6	282.3	339.2
102.5°	409.3	419.8	325.1	294.1	280.9	271.3	250.4	247.7	300.0	353.3	401.1
105°	443.9	398.4	400.6	400.6	391.5	373.3	334.6	332.3	391.5	453.0	512.2
107.5°	522.2	529.0	540.9	538.1	527.7	478.9	433.4	422.9	476.2	550.0	615.1
110°	626.0	632.8	637.4	632.8	616.9	555.4	500.8	484.9	532.7	610.1	680.6



TEST NUMBER: P1428312

CATALOG NUMBER: SQ2W-PR1-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	726.1	731.2	741.2	727.5	700.7	630.1	568.2	545.0	592.8	672.0	744.4
115°	885.5	885.5	887.8	880.9	826.3	753.5	671.5	637.4	678.3	751.2	830.9
117.5°	1042.1	1044.8	1035.7	1017.5	954.2	869.6	777.6	723.0	755.3	832.2	914.2
120°	1140.4	1145.0	1135.9	1108.6	1047.1	951.5	846.8	783.1	808.1	883.2	965.2
122.5°	1242.4	1241.5	1230.6	1199.6	1127.2	1028.0	925.1	846.8	857.3	926.9	1007.0
125°	1384.0	1381.7	1372.6	1336.2	1261.1	1158.6	1038.0	942.4	928.7	987.9	1069.9
127.5°	1518.8	1513.8	1499.6	1455.5	1378.5	1279.7	1147.3	1038.9	1008.4	1045.7	1120.9
130°	1611.6	1604.8	1579.8	1532.0	1456.8	1363.5	1229.2	1106.3	1063.0	1085.8	1151.8
132.5°	1700.9	1681.3	1659.9	1608.4	1538.8	1441.8	1305.7	1177.3	1117.7	1127.7	1179.1
135°	1814.2	1796.0	1768.7	1718.6	1652.6	1557.0	1420.4	1281.6	1199.6	1190.5	1220.1
137.5°	1913.9	1894.8	1863.9	1820.6	1754.1	1669.0	1537.9	1391.3	1287.9	1257.4	1268.8
140°	1975.8	1953.1	1925.8	1882.5	1823.3	1734.6	1607.1	1466.0	1349.9	1306.6	1299.8
142.5°	2026.8	2009.5	1980.4	1940.8	1888.9	1800.1	1676.3	1537.0	1413.6	1357.6	1341.7
145°	2103.3	2089.7	2057.8	2021.4	1978.1	1889.3	1775.5	1636.7	1513.8	1440.9	1406.8
147.5°	2168.0	2157.0	2132.0	2089.2	2052.8	1967.7	1863.9	1740.9	1614.8	1524.7	1480.5
150°	2208.0	2198.9	2173.9	2132.9	2096.5	2016.8	1916.7	1802.8	1682.2	1586.6	1529.7
152.5°	2246.3	2237.2	2208.5	2167.5	2136.6	2062.3	1971.3	1862.9	1740.5	1644.9	1586.1
155°	2296.8	2285.4	2258.1	2219.4	2192.1	2123.8	2039.6	1944.0	1839.3	1739.1	1673.1
157.5°	2336.9	2322.8	2297.3	2264.0	2234.9	2172.1	2098.8	2016.4	1924.9	1829.3	1761.9
160°	2360.5	2344.6	2317.3	2287.7	2260.4	2201.2	2135.2	2060.1	1975.8	1889.3	1816.5
162.5°	2376.9	2362.8	2330.0	2304.1	2280.4	2226.7	2164.3	2096.5	2021.4	1945.8	1878.4
165°	2394.7	2378.8	2344.6	2324.1	2303.6	2258.1	2203.5	2148.8	2085.1	2023.7	1969.0
167.5°	2396.1	2382.9	2348.7	2328.7	2313.7	2274.5	2230.3	2188.5	2138.8	2090.6	2045.0
170°	2392.4	2381.0	2346.9	2328.7	2317.3	2285.4	2246.7	2210.3	2171.6	2130.6	2094.2
172.5°	2379.7	2368.3	2336.0	2321.4	2315.5	2287.2	2255.8	2228.5	2195.3	2165.2	2136.1
175°	2346.9	2337.8	2310.5	2301.4	2303.6	2285.4	2262.7	2246.7	2226.2	2208.0	2192.1
177.5°	2299.1	2293.6	2273.6	2273.6	2280.9	2269.9	2262.7	2255.4	2246.3	2240.8	2235.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1428312

CATALOG NUMBER: SQ2W-PR1-K-150U-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°	17.7	18.9	22.1	23.9	25.8	24.8	25.8	23.9	22.1	18.9	17.7
90°	52.4	68.3	84.2	93.3	102.4	97.9	102.4	93.3	84.2	68.3	52.4
92.5°	105.2	132.0	151.6	168.0	175.3	174.4	175.3	168.0	151.6	132.0	105.2
95°	211.7	243.6	275.4	298.2	311.9	307.3	311.9	298.2	275.4	243.6	211.7
97.5°	326.4	369.2	404.7	426.1	439.8	448.9	439.8	426.1	404.7	369.2	326.4
100°	402.9	443.9	484.9	509.9	532.7	541.8	532.7	509.9	484.9	443.9	402.9
102.5°	464.8	518.5	563.2	590.0	609.1	618.2	609.1	590.0	563.2	518.5	464.8
105°	566.8	623.7	671.5	705.7	726.1	733.0	726.1	705.7	671.5	623.7	566.8
107.5°	668.8	727.5	771.7	809.5	834.5	849.1	834.5	809.5	771.7	727.5	668.8
110°	748.9	796.7	844.5	878.7	903.7	912.8	903.7	878.7	844.5	796.7	748.9



TEST NUMBER: P1428312

CATALOG NUMBER: SQ2W-PR1-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	816.3	869.6	917.4	951.5	980.2	992.9	980.2	951.5	917.4	869.6	816.3
115°	910.5	981.1	1024.3	1056.2	1076.7	1088.1	1076.7	1056.2	1024.3	981.1	910.5
117.5°	988.8	1062.6	1109.9	1134.5	1144.1	1152.3	1144.1	1134.5	1109.9	1062.6	988.8
120°	1038.0	1106.3	1160.9	1192.8	1204.2	1208.7	1204.2	1192.8	1160.9	1106.3	1038.0
122.5°	1083.5	1148.2	1201.0	1240.1	1258.8	1263.4	1258.8	1240.1	1201.0	1148.2	1083.5
125°	1147.3	1208.7	1263.4	1302.1	1322.5	1333.9	1322.5	1302.1	1263.4	1208.7	1147.3
127.5°	1202.8	1269.3	1319.4	1354.4	1374.4	1383.5	1374.4	1354.4	1319.4	1269.3	1202.8
130°	1233.8	1302.1	1352.1	1390.8	1409.0	1418.1	1409.0	1390.8	1352.1	1302.1	1233.8
132.5°	1257.4	1329.4	1381.3	1416.3	1436.4	1445.5	1436.4	1416.3	1381.3	1329.4	1257.4
135°	1286.1	1361.2	1415.9	1450.0	1468.2	1477.3	1468.2	1450.0	1415.9	1361.2	1286.1
137.5°	1311.2	1379.5	1436.4	1472.3	1488.7	1494.6	1488.7	1472.3	1436.4	1379.5	1311.2
140°	1329.4	1388.6	1445.5	1479.6	1497.8	1500.1	1497.8	1479.6	1445.5	1388.6	1329.4
142.5°	1353.0	1399.5	1449.1	1483.3	1501.5	1505.6	1501.5	1483.3	1449.1	1399.5	1353.0
145°	1395.4	1422.7	1456.8	1488.7	1504.6	1509.2	1504.6	1488.7	1456.8	1422.7	1395.4
147.5°	1448.7	1457.3	1475.1	1496.0	1511.5	1514.7	1511.5	1496.0	1475.1	1457.3	1448.7
150°	1488.7	1486.4	1493.3	1506.9	1520.6	1518.3	1520.6	1506.9	1493.3	1486.4	1488.7
152.5°	1534.2	1521.0	1520.6	1527.0	1533.3	1532.9	1533.3	1527.0	1520.6	1521.0	1534.2
155°	1611.6	1586.6	1572.9	1568.4	1568.4	1566.1	1568.4	1568.4	1572.9	1586.6	1611.6
157.5°	1696.8	1661.7	1641.2	1630.3	1627.1	1622.1	1627.1	1630.3	1641.2	1661.7	1696.8
160°	1755.0	1716.3	1695.9	1677.6	1670.8	1664.0	1670.8	1677.6	1695.9	1716.3	1755.0
162.5°	1809.7	1772.8	1750.5	1734.1	1727.3	1716.8	1727.3	1734.1	1750.5	1772.8	1809.7
165°	1898.5	1859.8	1834.7	1821.1	1812.0	1802.8	1812.0	1821.1	1834.7	1859.8	1898.5
167.5°	1987.2	1944.9	1928.5	1913.0	1904.4	1888.0	1904.4	1913.0	1928.5	1944.9	1987.2
170°	2041.9	2003.2	1994.1	1980.4	1964.5	1946.3	1964.5	1980.4	1994.1	2003.2	2041.9
172.5°	2089.2	2063.3	2054.2	2040.5	2035.5	2020.9	2035.5	2040.5	2054.2	2063.3	2089.2
175°	2158.0	2137.5	2137.5	2135.2	2128.4	2114.7	2128.4	2135.2	2137.5	2137.5	2158.0
177.5°	2215.3	2204.4	2211.7	2211.7	2209.9	2197.1	2209.9	2211.7	2211.7	2204.4	2215.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1428312

CATALOG NUMBER: SQ2W-PR1-K-150U-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°	19.3	19.1	17.2	15.4
90°	41.0	25.0	15.9	6.8
92.5°	88.3	61.5	43.3	25.0
95°	177.6	141.1	100.2	70.6
97.5°	282.7	224.0	183.5	134.8
100°	339.2	282.3	243.6	191.2
102.5°	401.1	353.3	300.0	247.7
105°	512.2	453.0	391.5	332.3
107.5°	615.1	550.0	476.2	422.9
110°	680.6	610.1	532.7	484.9



TEST NUMBER: P1428312

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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	744.4	672.0	592.8	545.0
115°	830.9	751.2	678.3	637.4
117.5°	914.2	832.2	755.3	723.0
120°	965.2	883.2	808.1	783.1
122.5°	1007.0	926.9	857.3	846.8
125°	1069.9	987.9	928.7	942.4
127.5°	1120.9	1045.7	1008.4	1038.9
130°	1151.8	1085.8	1063.0	1106.3
132.5°	1179.1	1127.7	1117.7	1177.3
135°	1220.1	1190.5	1199.6	1281.6
137.5°	1268.8	1257.4	1287.9	1391.3
140°	1299.8	1306.6	1349.9	1466.0
142.5°	1341.7	1357.6	1413.6	1537.0
145°	1406.8	1440.9	1513.8	1636.7
147.5°	1480.5	1524.7	1614.8	1740.9
150°	1529.7	1586.6	1682.2	1802.8
152.5°	1586.1	1644.9	1740.5	1862.9
155°	1673.1	1739.1	1839.3	1944.0
157.5°	1761.9	1829.3	1924.9	2016.4
160°	1816.5	1889.3	1975.8	2060.1
162.5°	1878.4	1945.8	2021.4	2096.5
165°	1969.0	2023.7	2085.1	2148.8
167.5°	2045.0	2090.6	2138.8	2188.5
170°	2094.2	2130.6	2171.6	2210.3
172.5°	2136.1	2165.2	2195.3	2228.5
175°	2192.1	2208.0	2226.2	2246.7
177.5°	2235.3	2240.8	2246.3	2255.4
180°	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1428312
 CATALOG NUMBER: SQ2W-PR1-K-150U-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	18.42	19.20	19.43	20.21	21.57	14.79	15.57	15.80	16.58	17.94
	3H	19.62	20.31	20.65	21.34	22.72	15.94	16.64	16.97	17.67	19.04
	4H	20.10	20.76	21.14	21.79	23.17	16.40	17.06	17.44	18.09	19.47
	6H	20.39	21.00	21.44	22.03	23.43	16.74	17.34	17.79	18.38	19.78
	8H	20.50	21.07	21.55	22.12	23.51	16.88	17.45	17.93	18.50	19.89
	12H	20.53	21.08	21.59	22.12	23.54	16.91	17.45	17.96	18.49	19.91
4H	2H	18.51	19.17	19.56	20.20	21.58	15.49	16.15	16.53	17.18	18.56
	3H	19.97	20.51	21.02	21.57	22.96	16.84	17.38	17.89	18.44	19.84
	4H	20.59	21.09	21.65	22.14	23.56	17.38	17.88	18.44	18.93	20.35
	6H	21.02	21.44	22.08	22.52	23.93	17.81	18.23	18.88	19.31	20.72
	8H	21.17	21.57	22.24	22.64	24.07	17.99	18.39	19.06	19.45	20.88
	12H	21.24	21.60	22.32	22.68	24.11	18.03	18.39	19.12	19.47	20.91
8H	4H	20.61	21.01	21.68	22.07	23.50	17.70	18.10	18.77	19.16	20.59
	6H	21.14	21.47	22.23	22.58	24.00	18.24	18.57	19.33	19.67	21.10
	8H	21.37	21.66	22.47	22.75	24.20	18.50	18.79	19.60	19.88	21.33
	12H	21.49	21.74	22.59	22.83	24.32	18.59	18.84	19.69	19.93	21.42
12H	4H	20.56	20.92	21.65	22.00	23.44	17.72	18.08	18.80	19.16	20.59
	6H	21.13	21.42	22.23	22.51	23.96	18.31	18.60	19.41	19.69	21.14
	8H	21.38	21.63	22.48	22.72	24.20	18.60	18.85	19.70	19.94	21.42