

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: P1428145

Luminaire Tested: SQ2W-PP3-K-150U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428145
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-150U-100D-L840-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 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

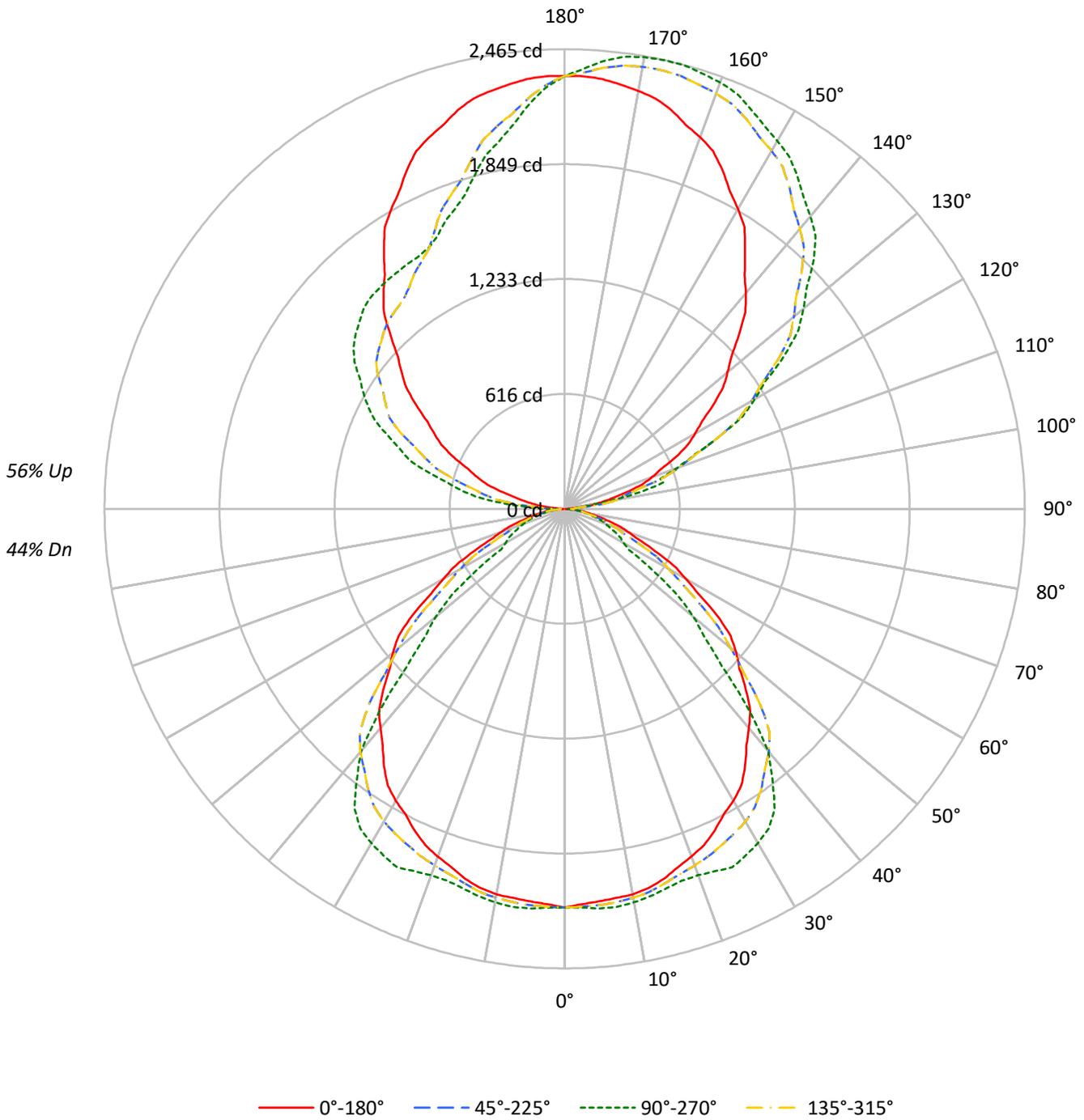
Lumens per Lamp: N/A
Luminaire Lumens: 12171.0 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 92.7
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	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	59	74	66	60	55	56	51	47	46	43	40	36	34	32	28
4	74	64	56	51	68	59	52	47	50	45	41	41	37	34	33	30	28	24
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	30	27	25	21
6	63	51	43	38	58	47	40	35	40	35	31	33	29	26	27	24	22	19
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20	17
8	54	42	34	29	49	39	32	28	33	28	24	28	24	21	23	20	17	15
9	50	38	31	26	46	36	29	25	30	25	22	25	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34524	34524	34524	34524
5°	34252	34876	34252	34876
10°	34427	35130	34427	35130
15°	34345	35214	34345	35214
20°	34099	35924	34099	35924
25°	33905	37812	33905	37812
30°	33713	38601	33713	38601
35°	33235	38671	33235	38671
40°	32348	35731	32348	35731
45°	31380	27199	31380	27199
50°	30149	22654	30149	22654
55°	28059	16290	28059	16290
60°	24160	11680	24160	11680
65°	20378	11484	20378	11484
70°	16966	10990	16966	10990
75°	14385	10293	14385	10293
80°	12189	9251	12189	9251
85°	9633	5020	9633	5020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 34328 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.6	1.7
10°-20°	589.3	4.8
20°-30°	923.2	7.6
30°-40°	1138.8	9.4
40°-50°	1072.1	8.8
50°-60°	759.2	6.2
60°-70°	432.6	3.6
70°-80°	214.1	1.8
80°-90°	61.9	0.5
90°-100°	184.7	1.5
100°-110°	538.6	4.4
110°-120°	879.0	7.2
120°-130°	1115.4	9.2
130°-140°	1193.5	9.8
140°-150°	1114.5	9.2
150°-160°	917.1	7.5
160°-170°	615.0	5.1
170°-180°	218.4	1.8
0°-30°	1716.1	14.1
0°-40°	2854.9	23.5
0°-60°	4686.2	38.5
0°-90°	5394.9	44.3
90°-120°	1602.3	13.2
90°-150°	5025.7	41.3
90°-180°	6776.0	55.7
0°-180°	12171.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2138	2138	2138	2138	2138	
5°	2113	2152	2113	2152	2113	201
15°	2055	2107	2055	2107	2055	579
25°	1903	2122	1903	2122	1903	877
35°	1686	1962	1686	1962	1686	1052
45°	1374	1191	1374	1191	1374	1058
55°	997	579	997	579	997	879
65°	533	301	533	301	533	536
75°	231	165	231	165	231	250
85°	52	27	52	27	52	61
90°	7	52	7	101	7	8
95°	73	54	73	316	73	88
105°	342	548	342	755	342	364
115°	656	910	656	1120	656	647
125°	970	1442	970	1374	970	868
135°	1320	1887	1320	1521	1320	1020
145°	1686	2175	1686	1554	1686	1055
155°	2002	2363	2002	1613	2002	920
165°	2213	2464	2213	1857	2213	623
175°	2314	2412	2314	2178	2314	220
180°	2321	2321	2321	2321	2321	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3
2.5°	2122.0	2135.7	2149.4	2146.1	2137.3	2133.7	2135.3	2136.9	2138.5	2140.1	2138.5
5°	2113.4	2130.5	2147.6	2145.1	2136.1	2132.5	2134.5	2137.8	2144.8	2151.9	2144.8
7.5°	2105.3	2122.8	2140.3	2138.0	2129.2	2126.5	2129.9	2134.6	2143.2	2151.9	2143.2
10°	2099.9	2115.0	2130.0	2127.8	2119.7	2118.2	2123.2	2128.8	2135.8	2142.8	2135.8
12.5°	2083.6	2097.9	2112.1	2110.3	2103.0	2102.7	2109.4	2115.9	2122.1	2128.4	2122.1
15°	2054.7	2067.7	2080.8	2081.0	2077.0	2079.5	2088.6	2096.6	2101.6	2106.7	2101.6
17.5°	2015.3	2031.2	2047.1	2050.8	2050.4	2056.6	2069.4	2080.4	2085.6	2090.8	2085.6
20°	1984.6	2003.7	2022.8	2029.1	2031.1	2040.1	2056.2	2070.8	2080.8	2090.8	2080.8
22.5°	1952.1	1974.4	1996.7	2004.9	2008.6	2022.4	2046.5	2068.9	2086.2	2103.5	2086.2
25°	1903.2	1925.3	1947.4	1963.5	1977.6	2002.2	2037.3	2070.2	2096.4	2122.5	2096.4
27.5°	1846.3	1868.2	1890.1	1917.7	1947.2	1981.8	2021.4	2056.2	2076.9	2097.6	2076.9
30°	1808.3	1829.4	1850.5	1882.1	1917.3	1955.5	1996.7	2032.3	2051.4	2070.5	2051.4
32.5°	1761.3	1783.2	1805.1	1838.7	1876.3	1917.3	1961.7	1999.4	2016.9	2034.3	2016.9
35°	1686.2	1707.3	1728.4	1767.6	1812.8	1858.5	1904.7	1941.9	1952.0	1962.0	1952.0
37.5°	1599.9	1623.8	1647.7	1691.7	1742.3	1780.6	1806.5	1826.1	1826.7	1827.3	1826.7
40°	1534.8	1565.9	1597.1	1641.0	1689.3	1715.9	1720.9	1721.4	1708.3	1695.3	1708.3
42.5°	1471.5	1511.5	1551.5	1586.8	1620.5	1627.5	1607.6	1578.1	1520.1	1462.0	1520.1
45°	1374.3	1421.5	1468.7	1490.3	1503.4	1459.2	1357.7	1271.6	1231.4	1191.2	1231.4
47.5°	1270.8	1317.4	1364.0	1358.0	1334.5	1267.6	1157.3	1067.6	1039.9	1012.2	1039.9
50°	1200.3	1244.5	1288.7	1256.8	1199.5	1124.2	1030.7	954.1	928.0	901.9	928.0
52.5°	1120.7	1160.1	1199.5	1151.3	1073.9	994.6	913.2	842.2	802.4	762.6	802.4
55°	996.8	1023.9	1051.1	998.3	919.0	831.6	736.1	655.0	616.8	578.7	616.8
57.5°	847.6	866.7	885.8	844.3	782.6	695.7	583.6	488.8	446.0	403.3	446.0
60°	748.2	763.3	778.3	740.6	685.4	602.5	492.0	403.9	382.8	361.7	382.8
62.5°	657.8	671.2	684.7	645.4	588.6	514.5	423.3	353.0	345.6	338.2	345.6
65°	533.4	546.5	559.6	518.4	459.1	401.3	345.1	302.6	301.6	300.6	301.6
67.5°	424.5	438.8	453.0	414.3	357.8	315.1	286.2	264.2	263.0	261.8	263.0
70°	359.4	374.5	389.5	353.4	300.1	265.5	249.4	236.8	234.8	232.8	234.8
72.5°	305.2	319.4	333.7	302.1	255.3	226.7	216.2	208.1	206.9	205.7	206.9
75°	230.6	241.6	252.7	229.8	195.6	176.1	171.0	167.0	166.0	165.0	166.0
77.5°	167.3	174.3	181.3	166.4	144.1	131.6	129.0	126.8	125.8	124.8	125.8
80°	131.1	134.1	137.1	126.6	111.5	103.5	102.5	101.5	100.5	99.5	100.5
82.5°	98.6	97.5	96.5	90.4	82.6	78.2	77.2	75.9	74.1	72.3	74.1
85°	52.0	50.0	48.0	46.0	44.0	40.9	36.9	33.2	30.1	27.1	30.1
87.5°	17.7	19.6	21.9	20.8	18.2	16.2	15.4	15.3	15.7	15.7	15.7
90°	7.0	16.4	28.1	37.5	44.5	46.9	46.9	49.2	51.6	51.6	51.6
92.5°	25.8	40.8	41.3	41.3	50.2	54.4	58.1	58.6	60.9	60.9	60.9
95°	72.7	79.7	119.6	117.2	79.7	63.3	53.9	53.9	53.9	53.9	53.9
97.5°	138.8	149.1	155.7	208.6	220.4	212.9	173.5	145.8	130.3	123.3	130.3
100°	196.9	201.6	215.7	218.0	276.6	332.9	304.7	269.6	257.9	250.8	257.9
102.5°	255.0	257.9	279.4	289.3	302.9	334.7	432.3	421.5	413.5	412.1	413.5
105°	342.3	344.6	384.4	403.2	412.6	412.6	410.2	457.1	532.1	548.5	532.1
107.5°	435.5	446.3	493.2	543.4	554.2	557.0	544.8	537.8	534.9	536.8	534.9
110°	499.3	515.7	572.0	635.3	651.7	656.4	651.7	644.7	640.0	640.0	640.0

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	561.2	585.1	648.9	721.5	749.2	763.3	753.0	747.8	743.1	746.9	743.1
115°	656.4	691.5	775.9	850.9	907.2	914.2	911.9	911.9	909.5	909.5	909.5
117.5°	744.5	800.8	895.5	982.7	1047.9	1066.6	1076.0	1073.2	1070.4	1075.0	1070.4
120°	806.4	872.0	979.9	1078.3	1141.6	1169.7	1179.1	1174.4	1179.1	1174.4	1179.1
122.5°	872.0	952.7	1058.6	1160.8	1235.4	1267.3	1278.5	1279.5	1280.4	1277.6	1280.4
125°	970.5	1068.9	1193.2	1298.7	1376.0	1413.5	1422.9	1425.3	1430.0	1441.7	1430.0
127.5°	1069.9	1181.5	1317.9	1419.6	1498.9	1544.3	1558.9	1564.0	1573.9	1579.0	1573.9
130°	1139.3	1265.9	1404.2	1500.3	1577.6	1626.9	1652.7	1659.7	1671.4	1669.1	1671.4
132.5°	1212.4	1344.6	1484.8	1584.7	1656.4	1709.4	1731.4	1751.6	1755.8	1759.1	1755.8
135°	1319.8	1462.8	1603.4	1701.9	1769.9	1821.4	1849.6	1868.3	1880.0	1887.1	1880.0
137.5°	1432.8	1583.7	1718.8	1806.4	1874.9	1919.4	1951.3	1971.0	1983.2	1988.8	1983.2
140°	1509.7	1655.0	1786.3	1877.7	1938.6	1983.2	2011.3	2034.8	2048.8	2048.8	2048.8
142.5°	1582.8	1726.3	1853.8	1945.2	1998.7	2039.4	2069.4	2087.3	2103.2	2103.2	2103.2
145°	1685.5	1828.5	1945.7	2037.1	2081.6	2119.1	2152.0	2166.0	2175.4	2175.4	2175.4
147.5°	1792.8	1919.4	2026.3	2114.0	2151.5	2195.6	2221.3	2232.6	2244.3	2239.2	2244.3
150°	1856.6	1973.8	2076.9	2159.0	2196.5	2238.7	2264.5	2273.9	2285.6	2278.5	2285.6
152.5°	1918.5	2030.1	2123.8	2200.3	2232.1	2274.3	2303.9	2313.2	2321.2	2316.1	2321.2
155°	2001.9	2100.4	2187.1	2257.5	2285.6	2325.4	2353.6	2365.3	2374.7	2362.9	2374.7
157.5°	2076.5	2161.3	2236.8	2301.5	2331.5	2365.8	2392.0	2406.5	2415.9	2410.8	2415.9
160°	2121.5	2198.8	2266.8	2327.8	2355.9	2386.4	2414.5	2430.9	2440.3	2433.3	2440.3
162.5°	2159.0	2228.9	2293.1	2348.4	2372.8	2399.5	2433.3	2447.8	2457.2	2448.3	2457.2
165°	2212.9	2269.2	2325.4	2372.3	2393.4	2414.5	2449.7	2466.1	2473.1	2463.7	2473.1
167.5°	2253.7	2296.8	2342.3	2382.6	2398.1	2418.7	2453.9	2467.5	2476.4	2464.7	2476.4
170°	2276.2	2313.7	2353.6	2386.4	2398.1	2416.9	2452.0	2463.7	2470.8	2459.1	2470.8
172.5°	2295.0	2323.1	2355.4	2384.5	2390.6	2405.6	2438.9	2450.6	2455.8	2445.9	2455.8
175°	2313.7	2330.1	2353.6	2372.3	2370.0	2379.3	2407.5	2416.9	2426.2	2412.2	2426.2
177.5°	2322.6	2330.1	2337.6	2348.9	2341.4	2341.4	2362.0	2367.6	2369.5	2362.0	2369.5
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3
2.5°	2136.9	2135.3	2133.7	2137.3	2146.1	2149.4	2135.7	2122.0	2135.7	2149.4	2146.1
5°	2137.8	2134.5	2132.5	2136.1	2145.1	2147.6	2130.5	2113.4	2130.5	2147.6	2145.1
7.5°	2134.6	2129.9	2126.5	2129.2	2138.0	2140.3	2122.8	2105.3	2122.8	2140.3	2138.0
10°	2128.8	2123.2	2118.2	2119.7	2127.8	2130.0	2115.0	2099.9	2115.0	2130.0	2127.8
12.5°	2115.9	2109.4	2102.7	2103.0	2110.3	2112.1	2097.9	2083.6	2097.9	2112.1	2110.3
15°	2096.6	2088.6	2079.5	2077.0	2081.0	2080.8	2067.7	2054.7	2067.7	2080.8	2081.0
17.5°	2080.4	2069.4	2056.6	2050.4	2050.8	2047.1	2031.2	2015.3	2031.2	2047.1	2050.8
20°	2070.8	2056.2	2040.1	2031.1	2029.1	2022.8	2003.7	1984.6	2003.7	2022.8	2029.1
22.5°	2068.9	2046.5	2022.4	2008.6	2004.9	1996.7	1974.4	1952.1	1974.4	1996.7	2004.9
25°	2070.2	2037.3	2002.2	1977.6	1963.5	1947.4	1925.3	1903.2	1925.3	1947.4	1963.5
27.5°	2056.2	2021.4	1981.8	1947.2	1917.7	1890.1	1868.2	1846.3	1868.2	1890.1	1917.7
30°	2032.3	1996.7	1955.5	1917.3	1882.1	1850.5	1829.4	1808.3	1829.4	1850.5	1882.1
32.5°	1999.4	1961.7	1917.3	1876.3	1838.7	1805.1	1783.2	1761.3	1783.2	1805.1	1838.7
35°	1941.9	1904.7	1858.5	1812.8	1767.6	1728.4	1707.3	1686.2	1707.3	1728.4	1767.6
37.5°	1826.1	1806.5	1780.6	1742.3	1691.7	1647.7	1623.8	1599.9	1623.8	1647.7	1691.7
40°	1721.4	1720.9	1715.9	1689.3	1641.0	1597.1	1565.9	1534.8	1565.9	1597.1	1641.0
42.5°	1578.1	1607.6	1627.5	1620.5	1586.8	1551.5	1511.5	1471.5	1511.5	1551.5	1586.8
45°	1271.6	1357.7	1459.2	1503.4	1490.3	1468.7	1421.5	1374.3	1421.5	1468.7	1490.3
47.5°	1067.6	1157.3	1267.6	1334.5	1358.0	1364.0	1317.4	1270.8	1317.4	1364.0	1358.0
50°	954.1	1030.7	1124.2	1199.5	1256.8	1288.7	1244.5	1200.3	1244.5	1288.7	1256.8
52.5°	842.2	913.2	994.6	1073.9	1151.3	1199.5	1160.1	1120.7	1160.1	1199.5	1151.3
55°	655.0	736.1	831.6	919.0	998.3	1051.1	1023.9	996.8	1023.9	1051.1	998.3
57.5°	488.8	583.6	695.7	782.6	844.3	885.8	866.7	847.6	866.7	885.8	844.3
60°	403.9	492.0	602.5	685.4	740.6	778.3	763.3	748.2	763.3	778.3	740.6
62.5°	353.0	423.3	514.5	588.6	645.4	684.7	671.2	657.8	671.2	684.7	645.4
65°	302.6	345.1	401.3	459.1	518.4	559.6	546.5	533.4	546.5	559.6	518.4
67.5°	264.2	286.2	315.1	357.8	414.3	453.0	438.8	424.5	438.8	453.0	414.3
70°	236.8	249.4	265.5	300.1	353.4	389.5	374.5	359.4	374.5	389.5	353.4
72.5°	208.1	216.2	226.7	255.3	302.1	333.7	319.4	305.2	319.4	333.7	302.1
75°	167.0	171.0	176.1	195.6	229.8	252.7	241.6	230.6	241.6	252.7	229.8
77.5°	126.8	129.0	131.6	144.1	166.4	181.3	174.3	167.3	174.3	181.3	166.4
80°	101.5	102.5	103.5	111.5	126.6	137.1	134.1	131.1	134.1	137.1	126.6
82.5°	75.9	77.2	78.2	82.6	90.4	96.5	97.5	98.6	97.5	96.5	90.4
85°	33.2	36.9	40.9	44.0	46.0	48.0	50.0	52.0	50.0	48.0	46.0
87.5°	15.3	15.4	16.2	18.2	20.8	21.9	19.6	17.7	19.6	21.4	21.7
90°	49.2	46.9	46.9	44.5	37.5	28.1	16.4	7.0	16.4	25.8	42.2
92.5°	58.6	58.1	54.4	50.2	41.3	41.3	40.8	25.8	44.5	63.3	91.0
95°	53.9	53.9	63.3	79.7	117.2	119.6	79.7	72.7	103.1	145.3	182.8
97.5°	145.8	173.5	212.9	220.4	208.6	155.7	149.1	138.8	188.9	230.7	291.1
100°	269.6	304.7	332.9	276.6	218.0	215.7	201.6	196.9	250.8	290.7	349.3
102.5°	421.5	432.3	334.7	302.9	289.3	279.4	257.9	255.0	309.0	363.8	413.0
105°	457.1	410.2	412.6	412.6	403.2	384.4	344.6	342.3	403.2	466.5	527.4
107.5°	537.8	544.8	557.0	554.2	543.4	493.2	446.3	435.5	490.4	566.4	633.4
110°	644.7	651.7	656.4	651.7	635.3	572.0	515.7	499.3	548.5	628.2	700.9



TEST NUMBER: P1428145

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	747.8	753.0	763.3	749.2	721.5	648.9	585.1	561.2	610.4	692.0	766.5
115°	911.9	911.9	914.2	907.2	850.9	775.9	691.5	656.4	698.6	773.6	855.6
117.5°	1073.2	1076.0	1066.6	1047.9	982.7	895.5	800.8	744.5	777.8	857.0	941.4
120°	1174.4	1179.1	1169.7	1141.6	1078.3	979.9	872.0	806.4	832.2	909.5	993.9
122.5°	1279.5	1278.5	1267.3	1235.4	1160.8	1058.6	952.7	872.0	882.8	954.6	1037.1
125°	1425.3	1422.9	1413.5	1376.0	1298.7	1193.2	1068.9	970.5	956.4	1017.4	1101.8
127.5°	1564.0	1558.9	1544.3	1498.9	1419.6	1317.9	1181.5	1069.9	1038.5	1076.9	1154.3
130°	1659.7	1652.7	1626.9	1577.6	1500.3	1404.2	1265.9	1139.3	1094.7	1118.2	1186.2
132.5°	1751.6	1731.4	1709.4	1656.4	1584.7	1484.8	1344.6	1212.4	1151.0	1161.3	1214.3
135°	1868.3	1849.6	1821.4	1769.9	1701.9	1603.4	1462.8	1319.8	1235.4	1226.0	1256.5
137.5°	1971.0	1951.3	1919.4	1874.9	1806.4	1718.8	1583.7	1432.8	1326.3	1294.9	1306.6
140°	2034.8	2011.3	1983.2	1938.6	1877.7	1786.3	1655.0	1509.7	1390.1	1345.6	1338.5
142.5°	2087.3	2069.4	2039.4	1998.7	1945.2	1853.8	1726.3	1582.8	1455.7	1398.1	1381.7
145°	2166.0	2152.0	2119.1	2081.6	2037.1	1945.7	1828.5	1685.5	1558.9	1483.9	1448.7
147.5°	2232.6	2221.3	2195.6	2151.5	2114.0	2026.3	1919.4	1792.8	1663.0	1570.1	1524.7
150°	2273.9	2264.5	2238.7	2196.5	2159.0	2076.9	1973.8	1856.6	1732.4	1633.9	1575.3
152.5°	2313.2	2303.9	2274.3	2232.1	2200.3	2123.8	2030.1	1918.5	1792.4	1693.9	1633.4
155°	2365.3	2353.6	2325.4	2285.6	2257.5	2187.1	2100.4	2001.9	1894.1	1791.0	1723.0
157.5°	2406.5	2392.0	2365.8	2331.5	2301.5	2236.8	2161.3	2076.5	1982.2	1883.8	1814.4
160°	2430.9	2414.5	2386.4	2355.9	2327.8	2266.8	2198.8	2121.5	2034.8	1945.7	1870.7
162.5°	2447.8	2433.3	2399.5	2372.8	2348.4	2293.1	2228.9	2159.0	2081.6	2003.8	1934.4
165°	2466.1	2449.7	2414.5	2393.4	2372.3	2325.4	2269.2	2212.9	2147.3	2084.0	2027.7
167.5°	2467.5	2453.9	2418.7	2398.1	2382.6	2342.3	2296.8	2253.7	2202.6	2152.9	2106.0
170°	2463.7	2452.0	2416.9	2398.1	2386.4	2353.6	2313.7	2276.2	2236.4	2194.2	2156.7
172.5°	2450.6	2438.9	2405.6	2390.6	2384.5	2355.4	2323.1	2295.0	2260.7	2229.8	2199.8
175°	2416.9	2407.5	2379.3	2370.0	2372.3	2353.6	2330.1	2313.7	2292.6	2273.9	2257.5
177.5°	2367.6	2362.0	2341.4	2341.4	2348.9	2337.6	2330.1	2322.6	2313.2	2307.6	2302.0
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1428145

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3
2.5°	2137.3	2133.7	2135.3	2136.9	2138.5	2140.1	2138.5	2136.9	2135.3	2133.7	2137.3
5°	2136.1	2132.5	2134.5	2137.8	2144.8	2151.9	2144.8	2137.8	2134.5	2132.5	2136.1
7.5°	2129.2	2126.5	2129.9	2134.6	2143.2	2151.9	2143.2	2134.6	2129.9	2126.5	2129.2
10°	2119.7	2118.2	2123.2	2128.8	2135.8	2142.8	2135.8	2128.8	2123.2	2118.2	2119.7
12.5°	2103.0	2102.7	2109.4	2115.9	2122.1	2128.4	2122.1	2115.9	2109.4	2102.7	2103.0
15°	2077.0	2079.5	2088.6	2096.6	2101.6	2106.7	2101.6	2096.6	2088.6	2079.5	2077.0
17.5°	2050.4	2056.6	2069.4	2080.4	2085.6	2090.8	2085.6	2080.4	2069.4	2056.6	2050.4
20°	2031.1	2040.1	2056.2	2070.8	2080.8	2090.8	2080.8	2070.8	2056.2	2040.1	2031.1
22.5°	2008.6	2022.4	2046.5	2068.9	2086.2	2103.5	2086.2	2068.9	2046.5	2022.4	2008.6
25°	1977.6	2002.2	2037.3	2070.2	2096.4	2122.5	2096.4	2070.2	2037.3	2002.2	1977.6
27.5°	1947.2	1981.8	2021.4	2056.2	2076.9	2097.6	2076.9	2056.2	2021.4	1981.8	1947.2
30°	1917.3	1955.5	1996.7	2032.3	2051.4	2070.5	2051.4	2032.3	1996.7	1955.5	1917.3
32.5°	1876.3	1917.3	1961.7	1999.4	2016.9	2034.3	2016.9	1999.4	1961.7	1917.3	1876.3
35°	1812.8	1858.5	1904.7	1941.9	1952.0	1962.0	1952.0	1941.9	1904.7	1858.5	1812.8
37.5°	1742.3	1780.6	1806.5	1826.1	1826.7	1827.3	1826.7	1826.1	1806.5	1780.6	1742.3
40°	1689.3	1715.9	1720.9	1721.4	1708.3	1695.3	1708.3	1721.4	1720.9	1715.9	1689.3
42.5°	1620.5	1627.5	1607.6	1578.1	1520.1	1462.0	1520.1	1578.1	1607.6	1627.5	1620.5
45°	1503.4	1459.2	1357.7	1271.6	1231.4	1191.2	1231.4	1271.6	1357.7	1459.2	1503.4
47.5°	1334.5	1267.6	1157.3	1067.6	1039.9	1012.2	1039.9	1067.6	1157.3	1267.6	1334.5
50°	1199.5	1124.2	1030.7	954.1	928.0	901.9	928.0	954.1	1030.7	1124.2	1199.5
52.5°	1073.9	994.6	913.2	842.2	802.4	762.6	802.4	842.2	913.2	994.6	1073.9
55°	919.0	831.6	736.1	655.0	616.8	578.7	616.8	655.0	736.1	831.6	919.0
57.5°	782.6	695.7	583.6	488.8	446.0	403.3	446.0	488.8	583.6	695.7	782.6
60°	685.4	602.5	492.0	403.9	382.8	361.7	382.8	403.9	492.0	602.5	685.4
62.5°	588.6	514.5	423.3	353.0	345.6	338.2	345.6	353.0	423.3	514.5	588.6
65°	459.1	401.3	345.1	302.6	301.6	300.6	301.6	302.6	345.1	401.3	459.1
67.5°	357.8	315.1	286.2	264.2	263.0	261.8	263.0	264.2	286.2	315.1	357.8
70°	300.1	265.5	249.4	236.8	234.8	232.8	234.8	236.8	249.4	265.5	300.1
72.5°	255.3	226.7	216.2	208.1	206.9	205.7	206.9	208.1	216.2	226.7	255.3
75°	195.6	176.1	171.0	167.0	166.0	165.0	166.0	167.0	171.0	176.1	195.6
77.5°	144.1	131.6	129.0	126.8	125.8	124.8	125.8	126.8	129.0	131.6	144.1
80°	111.5	103.5	102.5	101.5	100.5	99.5	100.5	101.5	102.5	103.5	111.5
82.5°	82.6	78.2	77.2	75.9	74.1	72.3	74.1	75.9	77.2	78.2	82.6
85°	44.0	40.9	36.9	33.2	30.1	27.1	30.1	33.2	36.9	40.9	44.0
87.5°	20.0	20.9	23.4	24.6	26.5	25.6	26.5	24.6	23.4	20.9	20.0
90°	53.9	70.3	86.7	96.1	105.5	100.8	105.5	96.1	86.7	70.3	53.9
92.5°	108.3	136.0	156.1	173.0	180.5	179.6	180.5	173.0	156.1	136.0	108.3
95°	218.0	250.8	283.6	307.1	321.2	316.5	321.2	307.1	283.6	250.8	218.0
97.5°	336.2	380.2	416.8	438.8	452.9	462.3	452.9	438.8	416.8	380.2	336.2
100°	414.9	457.1	499.3	525.1	548.5	557.9	548.5	525.1	499.3	457.1	414.9
102.5°	478.7	534.0	580.0	607.6	627.3	636.7	627.3	607.6	580.0	534.0	478.7
105°	583.7	642.3	691.5	726.7	747.8	754.8	747.8	726.7	691.5	642.3	583.7
107.5°	688.7	749.2	794.7	833.6	859.4	874.4	859.4	833.6	794.7	749.2	688.7
110°	771.2	820.5	869.7	904.9	930.6	940.0	930.6	904.9	869.7	820.5	771.2



TEST NUMBER: P1428145

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	840.6	895.5	944.7	979.9	1009.4	1022.5	1009.4	979.9	944.7	895.5	840.6
115°	937.7	1010.3	1054.9	1087.7	1108.8	1120.5	1108.8	1087.7	1054.9	1010.3	937.7
117.5°	1018.3	1094.3	1143.0	1168.3	1178.2	1186.6	1178.2	1168.3	1143.0	1094.3	1018.3
120°	1068.9	1139.3	1195.5	1228.4	1240.1	1244.8	1240.1	1228.4	1195.5	1139.3	1068.9
122.5°	1115.8	1182.4	1236.8	1277.1	1296.3	1301.0	1296.3	1277.1	1236.8	1182.4	1115.8
125°	1181.5	1244.8	1301.0	1340.9	1362.0	1373.7	1362.0	1340.9	1301.0	1244.8	1181.5
127.5°	1238.7	1307.1	1358.7	1394.8	1415.4	1424.8	1415.4	1394.8	1358.7	1307.1	1238.7
130°	1270.5	1340.9	1392.4	1432.3	1451.1	1460.4	1451.1	1432.3	1392.4	1340.9	1270.5
132.5°	1294.9	1369.0	1422.5	1458.6	1479.2	1488.6	1479.2	1458.6	1422.5	1369.0	1294.9
135°	1324.5	1401.8	1458.1	1493.2	1512.0	1521.4	1512.0	1493.2	1458.1	1401.8	1324.5
137.5°	1350.3	1420.6	1479.2	1516.2	1533.1	1539.2	1533.1	1516.2	1479.2	1420.6	1350.3
140°	1369.0	1430.0	1488.6	1523.7	1542.5	1544.8	1542.5	1523.7	1488.6	1430.0	1369.0
142.5°	1393.4	1441.2	1492.3	1527.5	1546.2	1550.4	1546.2	1527.5	1492.3	1441.2	1393.4
145°	1437.0	1465.1	1500.3	1533.1	1549.5	1554.2	1549.5	1533.1	1500.3	1465.1	1437.0
147.5°	1491.8	1500.7	1519.0	1540.6	1556.5	1559.8	1556.5	1540.6	1519.0	1500.7	1491.8
150°	1533.1	1530.8	1537.8	1551.9	1565.9	1563.6	1565.9	1551.9	1537.8	1530.8	1533.1
152.5°	1580.0	1566.4	1565.9	1572.5	1579.0	1578.6	1579.0	1572.5	1565.9	1566.4	1580.0
155°	1659.7	1633.9	1619.8	1615.1	1615.1	1612.8	1615.1	1615.1	1619.8	1633.9	1659.7
157.5°	1747.4	1711.3	1690.2	1678.9	1675.6	1670.5	1675.6	1678.9	1690.2	1711.3	1747.4
160°	1807.4	1767.5	1746.4	1727.7	1720.6	1713.6	1720.6	1727.7	1746.4	1767.5	1807.4
162.5°	1863.6	1825.7	1802.7	1785.8	1778.8	1768.0	1778.8	1785.8	1802.7	1825.7	1863.6
165°	1955.1	1915.2	1889.4	1875.3	1866.0	1856.6	1866.0	1875.3	1889.4	1915.2	1955.1
167.5°	2046.5	2002.9	1986.0	1970.1	1961.1	1944.3	1961.1	1970.1	1986.0	2002.9	2046.5
170°	2102.7	2062.9	2053.5	2039.4	2023.0	2004.3	2023.0	2039.4	2053.5	2062.9	2102.7
172.5°	2151.5	2124.8	2115.4	2101.3	2096.2	2081.2	2096.2	2101.3	2115.4	2124.8	2151.5
175°	2222.3	2201.2	2201.2	2198.8	2191.8	2177.7	2191.8	2198.8	2201.2	2201.2	2222.3
177.5°	2281.4	2270.1	2277.6	2277.6	2275.7	2262.6	2275.7	2277.6	2277.6	2270.1	2281.4
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1428145

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2138.3	2138.3	2138.3	2138.3
2.5°	2146.1	2149.4	2135.7	2122.0
5°	2145.1	2147.6	2130.5	2113.4
7.5°	2138.0	2140.3	2122.8	2105.3
10°	2127.8	2130.0	2115.0	2099.9
12.5°	2110.3	2112.1	2097.9	2083.6
15°	2081.0	2080.8	2067.7	2054.7
17.5°	2050.8	2047.1	2031.2	2015.3
20°	2029.1	2022.8	2003.7	1984.6
22.5°	2004.9	1996.7	1974.4	1952.1
25°	1963.5	1947.4	1925.3	1903.2
27.5°	1917.7	1890.1	1868.2	1846.3
30°	1882.1	1850.5	1829.4	1808.3
32.5°	1838.7	1805.1	1783.2	1761.3
35°	1767.6	1728.4	1707.3	1686.2
37.5°	1691.7	1647.7	1623.8	1599.9
40°	1641.0	1597.1	1565.9	1534.8
42.5°	1586.8	1551.5	1511.5	1471.5
45°	1490.3	1468.7	1421.5	1374.3
47.5°	1358.0	1364.0	1317.4	1270.8
50°	1256.8	1288.7	1244.5	1200.3
52.5°	1151.3	1199.5	1160.1	1120.7
55°	998.3	1051.1	1023.9	996.8
57.5°	844.3	885.8	866.7	847.6
60°	740.6	778.3	763.3	748.2
62.5°	645.4	684.7	671.2	657.8
65°	518.4	559.6	546.5	533.4
67.5°	414.3	453.0	438.8	424.5
70°	353.4	389.5	374.5	359.4
72.5°	302.1	333.7	319.4	305.2
75°	229.8	252.7	241.6	230.6
77.5°	166.4	181.3	174.3	167.3
80°	126.6	137.1	134.1	131.1
82.5°	90.4	96.5	97.5	98.6
85°	46.0	48.0	50.0	52.0
87.5°	21.7	21.4	19.6	17.7
90°	42.2	25.8	16.4	7.0
92.5°	91.0	63.3	44.5	25.8
95°	182.8	145.3	103.1	72.7
97.5°	291.1	230.7	188.9	138.8
100°	349.3	290.7	250.8	196.9
102.5°	413.0	363.8	309.0	255.0
105°	527.4	466.5	403.2	342.3
107.5°	633.4	566.4	490.4	435.5
110°	700.9	628.2	548.5	499.3



TEST NUMBER: P1428145

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	766.5	692.0	610.4	561.2
115°	855.6	773.6	698.6	656.4
117.5°	941.4	857.0	777.8	744.5
120°	993.9	909.5	832.2	806.4
122.5°	1037.1	954.6	882.8	872.0
125°	1101.8	1017.4	956.4	970.5
127.5°	1154.3	1076.9	1038.5	1069.9
130°	1186.2	1118.2	1094.7	1139.3
132.5°	1214.3	1161.3	1151.0	1212.4
135°	1256.5	1226.0	1235.4	1319.8
137.5°	1306.6	1294.9	1326.3	1432.8
140°	1338.5	1345.6	1390.1	1509.7
142.5°	1381.7	1398.1	1455.7	1582.8
145°	1448.7	1483.9	1558.9	1685.5
147.5°	1524.7	1570.1	1663.0	1792.8
150°	1575.3	1633.9	1732.4	1856.6
152.5°	1633.4	1693.9	1792.4	1918.5
155°	1723.0	1791.0	1894.1	2001.9
157.5°	1814.4	1883.8	1982.2	2076.5
160°	1870.7	1945.7	2034.8	2121.5
162.5°	1934.4	2003.8	2081.6	2159.0
165°	2027.7	2084.0	2147.3	2212.9
167.5°	2106.0	2152.9	2202.6	2253.7
170°	2156.7	2194.2	2236.4	2276.2
172.5°	2199.8	2229.8	2260.7	2295.0
175°	2257.5	2273.9	2292.6	2313.7
177.5°	2302.0	2307.6	2313.2	2322.6
180°	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1428145
 CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L840-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	19.20	19.99	20.21	21.00	22.36	14.97	15.76	15.98	16.78	18.13
	3H	20.26	20.96	21.28	21.98	23.36	16.28	16.98	17.30	18.00	19.38
	4H	20.62	21.29	21.66	22.31	23.70	16.83	17.49	17.86	18.52	19.90
	6H	20.81	21.42	21.86	22.46	23.85	17.19	17.80	18.23	18.83	20.23
	8H	20.87	21.45	21.92	22.50	23.89	17.32	17.90	18.37	18.95	20.34
	12H	20.89	21.44	21.94	22.48	23.90	17.35	17.90	18.40	18.94	20.36
4H	2H	19.31	19.98	20.35	21.00	22.39	15.87	16.54	16.91	17.57	18.95
	3H	20.60	21.15	21.65	22.21	23.60	17.29	17.84	18.34	18.90	20.29
	4H	21.10	21.61	22.16	22.66	24.07	17.91	18.41	18.96	19.46	20.88
	6H	21.42	21.85	22.48	22.92	24.33	18.35	18.78	19.41	19.85	21.26
	8H	21.52	21.93	22.59	22.99	24.42	18.52	18.92	19.58	19.98	21.41
	12H	21.56	21.93	22.65	23.01	24.44	18.56	18.93	19.65	20.01	21.44
8H	4H	21.12	21.52	22.18	22.58	24.01	18.21	18.61	19.28	19.68	21.10
	6H	21.53	21.86	22.62	22.97	24.39	18.77	19.10	19.86	20.21	21.63
	8H	21.71	22.00	22.80	23.09	24.53	19.02	19.31	20.11	20.40	21.84
	12H	21.80	22.06	22.90	23.14	24.63	19.11	19.37	20.21	20.46	21.94
12H	4H	21.07	21.44	22.16	22.52	23.95	18.22	18.58	19.30	19.66	21.09
	6H	21.52	21.81	22.61	22.90	24.34	18.83	19.13	19.93	20.22	21.66
	8H	21.71	21.97	22.81	23.06	24.54	19.11	19.36	20.20	20.45	21.93