

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: P1428296

Luminaire Tested: SQ2W-PR1-K-125U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428296  
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-125D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE RIPPLE LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

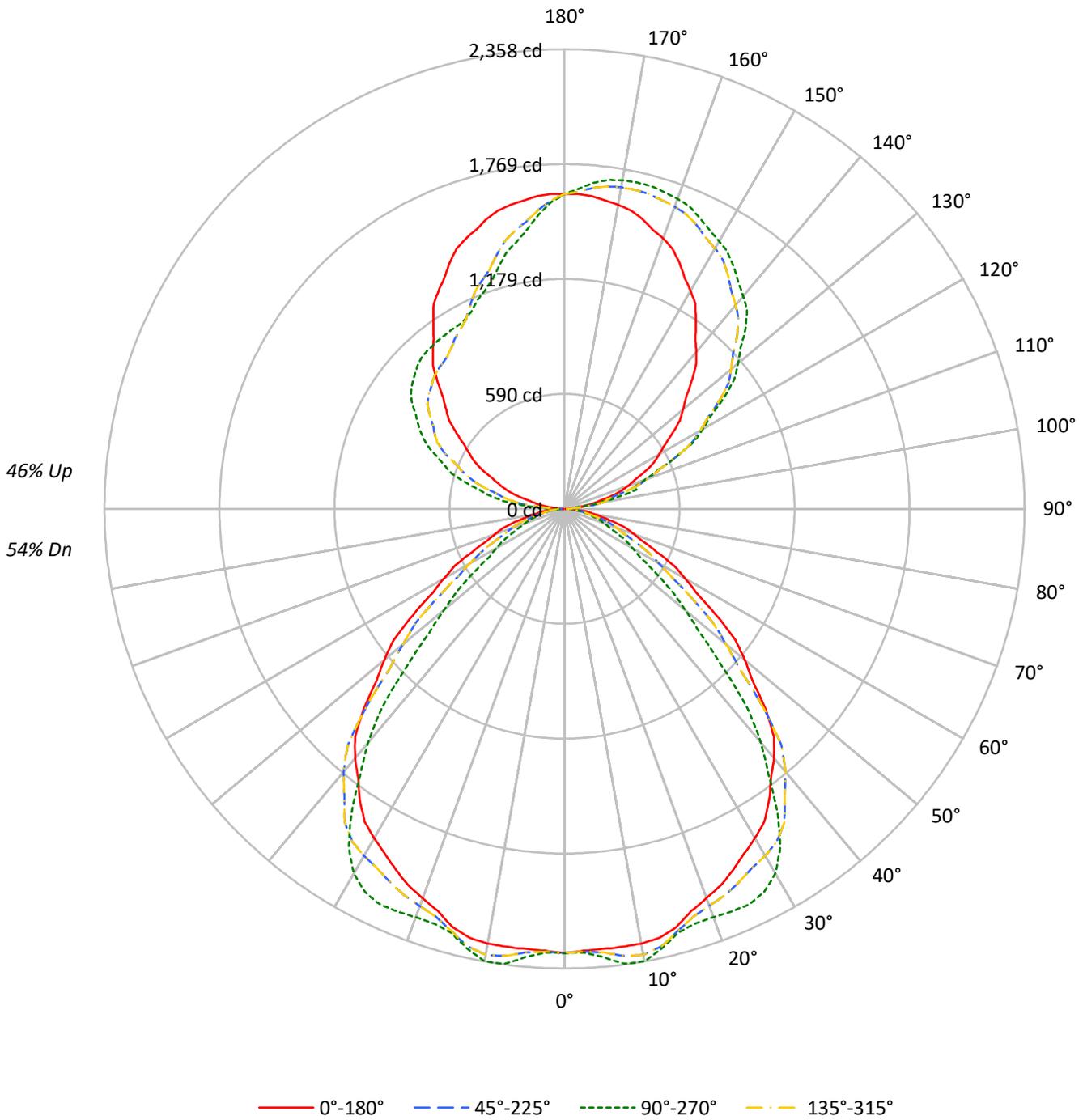
Lumens per Lamp: N/A  
Luminaire Lumens: 10203.4 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 93.2  
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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CATALOG NUMBER: SQ2W-PR1-K-125U-125D-L930-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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54	54	54	54	
1	99	95	92	88	92	88	85	83	76	74	72	64	63	61	54	53	52	47	47	47	47	
2	91	84	78	73	84	78	73	69	67	64	60	57	55	52	48	46	45	40	40	40	40	
3	83	74	67	62	77	69	63	58	60	55	51	51	48	45	43	41	39	35	35	35	35	
4	77	66	59	53	71	62	55	50	54	48	44	46	42	39	39	36	34	30	30	30	30	
5	70	59	51	46	65	55	48	43	48	43	39	42	37	34	35	32	30	27	27	27	27	
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26	24	24	24	24	
7	60	48	40	35	56	45	38	33	40	34	30	34	30	27	29	26	24	21	21	21	21	
8	56	44	36	31	52	41	34	30	36	31	27	32	27	24	27	24	21	19	19	19	19	
9	52	40	33	28	48	38	31	27	33	28	24	29	25	22	25	22	19	17	17	17	17	
10	49	37	30	25	45	35	28	24	31	25	22	27	23	20	23	20	18	16	16	16	16	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	36791	36791	36791	36791
5°	36742	37421	36742	37421
10°	37129	38652	37129	38652
15°	37118	37622	37118	37622
20°	36518	38314	36518	38314
25°	36415	39891	36415	39891
30°	36375	40273	36375	40273
35°	36030	37496	36030	37496
40°	35200	32997	35200	32997
45°	33307	26094	33307	26094
50°	30280	20245	30280	20245
55°	26612	15758	26612	15758
60°	23027	12975	23027	12975
65°	19877	11358	19877	11358
70°	17872	10088	17872	10088
75°	16375	9276	16375	9276
80°	14254	9075	14254	9075
85°	10318	4298	10318	4298

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 35759 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.1	2.2
10°-20°	637.0	6.2
20°-30°	984.7	9.7
30°-40°	1184.2	11.6
40°-50°	1063.4	10.4
50°-60°	712.6	7.0
60°-70°	414.5	4.1
70°-80°	212.9	2.1
80°-90°	59.2	0.6
90°-100°	128.5	1.3
100°-110°	374.8	3.7
110°-120°	611.6	6.0
120°-130°	776.1	7.6
130°-140°	830.4	8.1
140°-150°	775.4	7.6
150°-160°	638.1	6.3
160°-170°	427.9	4.2
170°-180°	151.9	1.5
0°-30°	1841.8	18.1
0°-40°	3026.1	29.7
0°-60°	4802.1	47.1
0°-90°	5488.7	53.8
90°-120°	1114.9	10.9
90°-150°	3496.8	34.3
90°-180°	4715.0	46.2
0°-180°	10203.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2279	2279	2279	2279	2279	
5°	2267	2309	2267	2309	2267	216
15°	2221	2251	2221	2251	2221	624
25°	2044	2239	2044	2239	2044	943
35°	1828	1902	1828	1902	1828	1140
45°	1459	1143	1459	1143	1459	1116
55°	945	560	945	560	945	850
65°	520	297	520	297	520	526
75°	262	149	262	149	262	279
85°	56	23	56	23	56	69
90°	5	36	5	70	5	6
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2269.4	2281.8	2294.1	2288.6	2277.0	2271.6	2272.5	2273.7	2276.2	2278.7	2276.2
5°	2267.0	2284.6	2302.1	2298.0	2286.7	2282.0	2284.1	2288.2	2298.5	2308.9	2298.5
7.5°	2266.6	2291.6	2316.6	2318.5	2312.7	2312.8	2318.8	2326.7	2340.3	2353.9	2340.3
10°	2264.7	2294.7	2324.6	2329.0	2324.9	2323.3	2324.3	2328.7	2343.2	2357.6	2343.2
12.5°	2253.6	2288.5	2323.4	2319.7	2303.2	2294.2	2292.8	2293.6	2301.5	2309.3	2301.5
15°	2220.6	2261.9	2303.2	2286.4	2250.3	2233.8	2236.9	2240.5	2245.6	2250.8	2245.6
17.5°	2162.5	2205.7	2248.8	2233.8	2199.3	2187.6	2198.8	2209.7	2219.8	2229.9	2219.8
20°	2125.4	2167.7	2210.0	2199.7	2171.8	2165.1	2179.6	2194.8	2212.3	2229.9	2212.3
22.5°	2091.9	2134.2	2176.6	2170.0	2147.0	2145.7	2165.9	2187.1	2211.3	2235.5	2211.3
25°	2044.1	2081.2	2118.4	2119.2	2107.8	2119.2	2153.2	2185.5	2212.3	2239.2	2212.3
27.5°	1993.9	2015.8	2037.7	2052.1	2064.1	2093.1	2139.1	2178.4	2197.2	2215.9	2197.2
30°	1951.1	1965.6	1980.1	2006.9	2037.9	2073.5	2113.7	2145.7	2153.0	2160.2	2153.0
32.5°	1904.7	1913.4	1922.0	1959.8	2007.3	2041.7	2063.0	2076.6	2067.3	2058.0	2067.3
35°	1828.0	1835.3	1842.5	1890.8	1952.7	1975.4	1958.9	1941.6	1922.0	1902.4	1922.0
37.5°	1737.0	1751.9	1766.7	1806.1	1853.5	1853.1	1804.8	1763.0	1740.4	1717.9	1740.4
40°	1670.1	1694.9	1719.6	1746.0	1772.8	1750.1	1677.8	1617.2	1591.4	1565.6	1591.4
42.5°	1588.3	1628.0	1667.6	1673.5	1668.1	1619.4	1527.3	1450.4	1418.8	1387.2	1418.8
45°	1458.7	1512.4	1566.1	1535.4	1476.5	1397.0	1296.9	1213.0	1177.9	1142.8	1177.9
47.5°	1305.9	1361.0	1416.1	1358.2	1262.6	1170.1	1080.7	1005.5	972.6	939.8	972.6
50°	1205.5	1249.9	1294.3	1228.8	1126.6	1033.6	950.0	878.3	842.1	806.0	842.1
52.5°	1103.3	1135.3	1167.3	1102.4	1005.2	914.7	831.1	760.2	727.3	694.5	727.3
55°	945.4	961.9	978.4	918.3	832.6	750.0	670.5	605.2	582.5	559.8	582.5
57.5°	800.4	811.0	821.5	764.5	685.0	611.5	544.0	489.2	472.5	455.7	472.5
60°	713.1	720.3	727.6	669.7	590.2	524.2	471.5	428.7	415.3	401.8	415.3
62.5°	633.2	638.8	644.3	588.6	512.4	453.4	411.4	377.5	367.4	357.2	367.4
65°	520.3	525.5	530.6	483.1	418.1	369.6	337.6	311.8	304.5	297.3	304.5
67.5°	430.6	433.3	436.0	396.9	343.8	304.7	279.5	258.9	252.1	245.3	252.1
70°	378.6	379.6	380.7	346.1	299.6	265.1	242.3	224.0	218.9	213.7	218.9
72.5°	332.2	330.7	329.3	298.4	257.7	228.1	209.5	194.7	191.2	187.7	191.2
75°	262.5	259.4	256.3	230.7	197.7	175.0	162.6	152.8	150.7	148.7	150.7
77.5°	196.0	192.7	189.4	168.2	140.9	125.2	121.1	118.0	118.0	118.0	118.0
80°	153.3	149.2	145.0	128.5	107.9	97.6	97.6	97.6	97.6	97.6	97.6
82.5°	114.3	108.5	102.7	92.6	81.0	75.3	75.3	75.1	74.2	73.4	74.2
85°	55.7	50.6	45.4	44.1	44.1	41.0	34.8	29.4	26.3	23.2	26.3
87.5°	15.8	17.1	18.8	17.0	13.8	12.1	12.1	12.4	12.8	12.8	12.8
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2273.7	2272.5	2271.6	2277.0	2288.6	2294.1	2281.8	2269.4	2281.8	2294.1	2288.6
5°	2288.2	2284.1	2282.0	2286.7	2298.0	2302.1	2284.6	2267.0	2284.6	2302.1	2298.0
7.5°	2326.7	2318.8	2312.8	2312.7	2318.5	2316.6	2291.6	2266.6	2291.6	2316.6	2318.5
10°	2328.7	2324.3	2323.3	2324.9	2329.0	2324.6	2294.7	2264.7	2294.7	2324.6	2329.0
12.5°	2293.6	2292.8	2294.2	2303.2	2319.7	2323.4	2288.5	2253.6	2288.5	2323.4	2319.7
15°	2240.5	2236.9	2233.8	2250.3	2286.4	2303.2	2261.9	2220.6	2261.9	2303.2	2286.4
17.5°	2209.7	2198.8	2187.6	2199.3	2233.8	2248.8	2205.7	2162.5	2205.7	2248.8	2233.8
20°	2194.8	2179.6	2165.1	2171.8	2199.7	2210.0	2167.7	2125.4	2167.7	2210.0	2199.7
22.5°	2187.1	2165.9	2145.7	2147.0	2170.0	2176.6	2134.2	2091.9	2134.2	2176.6	2170.0
25°	2185.5	2153.2	2119.2	2107.8	2119.2	2118.4	2081.2	2044.1	2081.2	2118.4	2119.2
27.5°	2178.4	2139.1	2093.1	2064.1	2052.1	2037.7	2015.8	1993.9	2015.8	2037.7	2052.1
30°	2145.7	2113.7	2073.5	2037.9	2006.9	1980.1	1965.6	1951.1	1965.6	1980.1	2006.9
32.5°	2076.6	2063.0	2041.7	2007.3	1959.8	1922.0	1913.4	1904.7	1913.4	1922.0	1959.8
35°	1941.6	1958.9	1975.4	1952.7	1890.8	1842.5	1835.3	1828.0	1835.3	1842.5	1890.8
37.5°	1763.0	1804.8	1853.1	1853.5	1806.1	1766.7	1751.9	1737.0	1751.9	1766.7	1806.1
40°	1617.2	1677.8	1750.1	1772.8	1746.0	1719.6	1694.9	1670.1	1694.9	1719.6	1746.0
42.5°	1450.4	1527.3	1619.4	1668.1	1673.5	1667.6	1628.0	1588.3	1628.0	1667.6	1673.5
45°	1213.0	1296.9	1397.0	1476.5	1535.4	1566.1	1512.4	1458.7	1512.4	1566.1	1535.4
47.5°	1005.5	1080.7	1170.1	1262.6	1358.2	1416.1	1361.0	1305.9	1361.0	1416.1	1358.2
50°	878.3	950.0	1033.6	1126.6	1228.8	1294.3	1249.9	1205.5	1249.9	1294.3	1228.8
52.5°	760.2	831.1	914.7	1005.2	1102.4	1167.3	1135.3	1103.3	1135.3	1167.3	1102.4
55°	605.2	670.5	750.0	832.6	918.3	978.4	961.9	945.4	961.9	978.4	918.3
57.5°	489.2	544.0	611.5	685.0	764.5	821.5	811.0	800.4	811.0	821.5	764.5
60°	428.7	471.5	524.2	590.2	669.7	727.6	720.3	713.1	720.3	727.6	669.7
62.5°	377.5	411.4	453.4	512.4	588.6	644.3	638.8	633.2	638.8	644.3	588.6
65°	311.8	337.6	369.6	418.1	483.1	530.6	525.5	520.3	525.5	530.6	483.1
67.5°	258.9	279.5	304.7	343.8	396.9	436.0	433.3	430.6	433.3	436.0	396.9
70°	224.0	242.3	265.1	299.6	346.1	380.7	379.6	378.6	379.6	380.7	346.1
72.5°	194.7	209.5	228.1	257.7	298.4	329.3	330.7	332.2	330.7	329.3	298.4
75°	152.8	162.6	175.0	197.7	230.7	256.3	259.4	262.5	259.4	256.3	230.7
77.5°	118.0	121.1	125.2	140.9	168.2	189.4	192.7	196.0	192.7	189.4	168.2
80°	97.6	97.6	97.6	107.9	128.5	145.0	149.2	153.3	149.2	145.0	128.5
82.5°	75.1	75.3	75.3	81.0	92.6	102.7	108.5	114.3	108.5	102.7	92.6
85°	29.4	34.8	41.0	44.1	44.1	45.4	50.6	55.7	50.6	45.4	44.1
87.5°	12.4	12.1	12.1	13.8	17.0	18.8	17.1	15.8	17.1	18.5	17.6
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1428296

CATALOG NUMBER: SQ2W-PR1-K-125U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428296

CATALOG NUMBER: SQ2W-PR1-K-125U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7	2278.7
2.5°	2277.0	2271.6	2272.5	2273.7	2276.2	2278.7	2276.2	2273.7	2272.5	2271.6	2277.0
5°	2286.7	2282.0	2284.1	2288.2	2298.5	2308.9	2298.5	2288.2	2284.1	2282.0	2286.7
7.5°	2312.7	2312.8	2318.8	2326.7	2340.3	2353.9	2340.3	2326.7	2318.8	2312.8	2312.7
10°	2324.9	2323.3	2324.3	2328.7	2343.2	2357.6	2343.2	2328.7	2324.3	2323.3	2324.9
12.5°	2303.2	2294.2	2292.8	2293.6	2301.5	2309.3	2301.5	2293.6	2292.8	2294.2	2303.2
15°	2250.3	2233.8	2236.9	2240.5	2245.6	2250.8	2245.6	2240.5	2236.9	2233.8	2250.3
17.5°	2199.3	2187.6	2198.8	2209.7	2219.8	2229.9	2219.8	2209.7	2198.8	2187.6	2199.3
20°	2171.8	2165.1	2179.6	2194.8	2212.3	2229.9	2212.3	2194.8	2179.6	2165.1	2171.8
22.5°	2147.0	2145.7	2165.9	2187.1	2211.3	2235.5	2211.3	2187.1	2165.9	2145.7	2147.0
25°	2107.8	2119.2	2153.2	2185.5	2212.3	2239.2	2212.3	2185.5	2153.2	2119.2	2107.8
27.5°	2064.1	2093.1	2139.1	2178.4	2197.2	2215.9	2197.2	2178.4	2139.1	2093.1	2064.1
30°	2037.9	2073.5	2113.7	2145.7	2153.0	2160.2	2153.0	2145.7	2113.7	2073.5	2037.9
32.5°	2007.3	2041.7	2063.0	2076.6	2067.3	2058.0	2067.3	2076.6	2063.0	2041.7	2007.3
35°	1952.7	1975.4	1958.9	1941.6	1922.0	1902.4	1922.0	1941.6	1958.9	1975.4	1952.7
37.5°	1853.5	1853.1	1804.8	1763.0	1740.4	1717.9	1740.4	1763.0	1804.8	1853.1	1853.5
40°	1772.8	1750.1	1677.8	1617.2	1591.4	1565.6	1591.4	1617.2	1677.8	1750.1	1772.8
42.5°	1668.1	1619.4	1527.3	1450.4	1418.8	1387.2	1418.8	1450.4	1527.3	1619.4	1668.1
45°	1476.5	1397.0	1296.9	1213.0	1177.9	1142.8	1177.9	1213.0	1296.9	1397.0	1476.5
47.5°	1262.6	1170.1	1080.7	1005.5	972.6	939.8	972.6	1005.5	1080.7	1170.1	1262.6
50°	1126.6	1033.6	950.0	878.3	842.1	806.0	842.1	878.3	950.0	1033.6	1126.6
52.5°	1005.2	914.7	831.1	760.2	727.3	694.5	727.3	760.2	831.1	914.7	1005.2
55°	832.6	750.0	670.5	605.2	582.5	559.8	582.5	605.2	670.5	750.0	832.6
57.5°	685.0	611.5	544.0	489.2	472.5	455.7	472.5	489.2	544.0	611.5	685.0
60°	590.2	524.2	471.5	428.7	415.3	401.8	415.3	428.7	471.5	524.2	590.2
62.5°	512.4	453.4	411.4	377.5	367.4	357.2	367.4	377.5	411.4	453.4	512.4
65°	418.1	369.6	337.6	311.8	304.5	297.3	304.5	311.8	337.6	369.6	418.1
67.5°	343.8	304.7	279.5	258.9	252.1	245.3	252.1	258.9	279.5	304.7	343.8
70°	299.6	265.1	242.3	224.0	218.9	213.7	218.9	224.0	242.3	265.1	299.6
72.5°	257.7	228.1	209.5	194.7	191.2	187.7	191.2	194.7	209.5	228.1	257.7
75°	197.7	175.0	162.6	152.8	150.7	148.7	150.7	152.8	162.6	175.0	197.7
77.5°	140.9	125.2	121.1	118.0	118.0	118.0	118.0	118.0	121.1	125.2	140.9
80°	107.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	107.9
82.5°	81.0	75.3	75.3	75.1	74.2	73.4	74.2	75.1	75.3	75.3	81.0
85°	44.1	41.0	34.8	29.4	26.3	23.2	26.3	29.4	34.8	41.0	44.1
87.5°	15.1	15.4	17.6	18.9	20.3	19.6	20.3	18.9	17.6	15.4	15.1
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1428296

CATALOG NUMBER: SQ2W-PR1-K-125U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428296

CATALOG NUMBER: SQ2W-PR1-K-125U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2278.7	2278.7	2278.7	2278.7
2.5°	2288.6	2294.1	2281.8	2269.4
5°	2298.0	2302.1	2284.6	2267.0
7.5°	2318.5	2316.6	2291.6	2266.6
10°	2329.0	2324.6	2294.7	2264.7
12.5°	2319.7	2323.4	2288.5	2253.6
15°	2286.4	2303.2	2261.9	2220.6
17.5°	2233.8	2248.8	2205.7	2162.5
20°	2199.7	2210.0	2167.7	2125.4
22.5°	2170.0	2176.6	2134.2	2091.9
25°	2119.2	2118.4	2081.2	2044.1
27.5°	2052.1	2037.7	2015.8	1993.9
30°	2006.9	1980.1	1965.6	1951.1
32.5°	1959.8	1922.0	1913.4	1904.7
35°	1890.8	1842.5	1835.3	1828.0
37.5°	1806.1	1766.7	1751.9	1737.0
40°	1746.0	1719.6	1694.9	1670.1
42.5°	1673.5	1667.6	1628.0	1588.3
45°	1535.4	1566.1	1512.4	1458.7
47.5°	1358.2	1416.1	1361.0	1305.9
50°	1228.8	1294.3	1249.9	1205.5
52.5°	1102.4	1167.3	1135.3	1103.3
55°	918.3	978.4	961.9	945.4
57.5°	764.5	821.5	811.0	800.4
60°	669.7	727.6	720.3	713.1
62.5°	588.6	644.3	638.8	633.2
65°	483.1	530.6	525.5	520.3
67.5°	396.9	436.0	433.3	430.6
70°	346.1	380.7	379.6	378.6
72.5°	298.4	329.3	330.7	332.2
75°	230.7	256.3	259.4	262.5
77.5°	168.2	189.4	192.7	196.0
80°	128.5	145.0	149.2	153.3
82.5°	92.6	102.7	108.5	114.3
85°	44.1	45.4	50.6	55.7
87.5°	17.6	18.5	17.1	15.8
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1428296

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**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428296  
 CATALOG NUMBER: SQ2W-PR1-K-125U-125D-L930-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	19.55	20.40	20.48	21.34	22.56	15.91	16.77	16.85	17.71	18.93
	3H	20.75	21.51	21.70	22.47	23.71	17.08	17.84	18.02	18.79	20.03
	4H	21.24	21.96	22.20	22.91	24.17	17.54	18.26	18.50	19.22	20.47
	6H	21.53	22.19	22.50	23.16	24.42	17.88	18.54	18.85	19.51	20.77
	8H	21.64	22.26	22.61	23.25	24.51	18.02	18.65	19.00	19.63	20.89
	12H	21.68	22.27	22.66	23.25	24.53	18.05	18.65	19.03	19.62	20.91
4H	2H	19.65	20.37	20.61	21.32	22.58	16.63	17.34	17.59	18.30	19.55
	3H	21.11	21.70	22.08	22.69	23.96	17.98	18.58	18.95	19.56	20.83
	4H	21.74	22.28	22.72	23.26	24.55	18.53	19.07	19.51	20.05	21.34
	6H	22.17	22.63	23.16	23.64	24.93	18.96	19.42	19.95	20.43	21.72
	8H	22.33	22.76	23.32	23.76	25.06	19.14	19.58	20.14	20.57	21.88
	12H	22.39	22.78	23.41	23.80	25.11	19.19	19.58	20.20	20.59	21.90
8H	4H	21.76	22.20	22.76	23.19	24.50	18.85	19.29	19.85	20.29	21.59
	6H	22.29	22.65	23.31	23.69	24.99	19.39	19.75	20.41	20.79	22.09
	8H	22.53	22.84	23.56	23.87	25.19	19.65	19.97	20.68	21.00	22.32
	12H	22.65	22.93	23.68	23.95	25.31	19.75	20.03	20.78	21.05	22.41
12H	4H	21.72	22.11	22.73	23.13	24.43	18.87	19.26	19.88	20.28	21.59
	6H	22.28	22.60	23.31	23.63	24.95	19.46	19.78	20.49	20.81	22.13
	8H	22.53	22.81	23.56	23.83	25.20	19.75	20.03	20.78	21.05	22.42