

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: P1427812

Luminaire Tested: SQ2W-F-K-150U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427812
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-150U-100D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

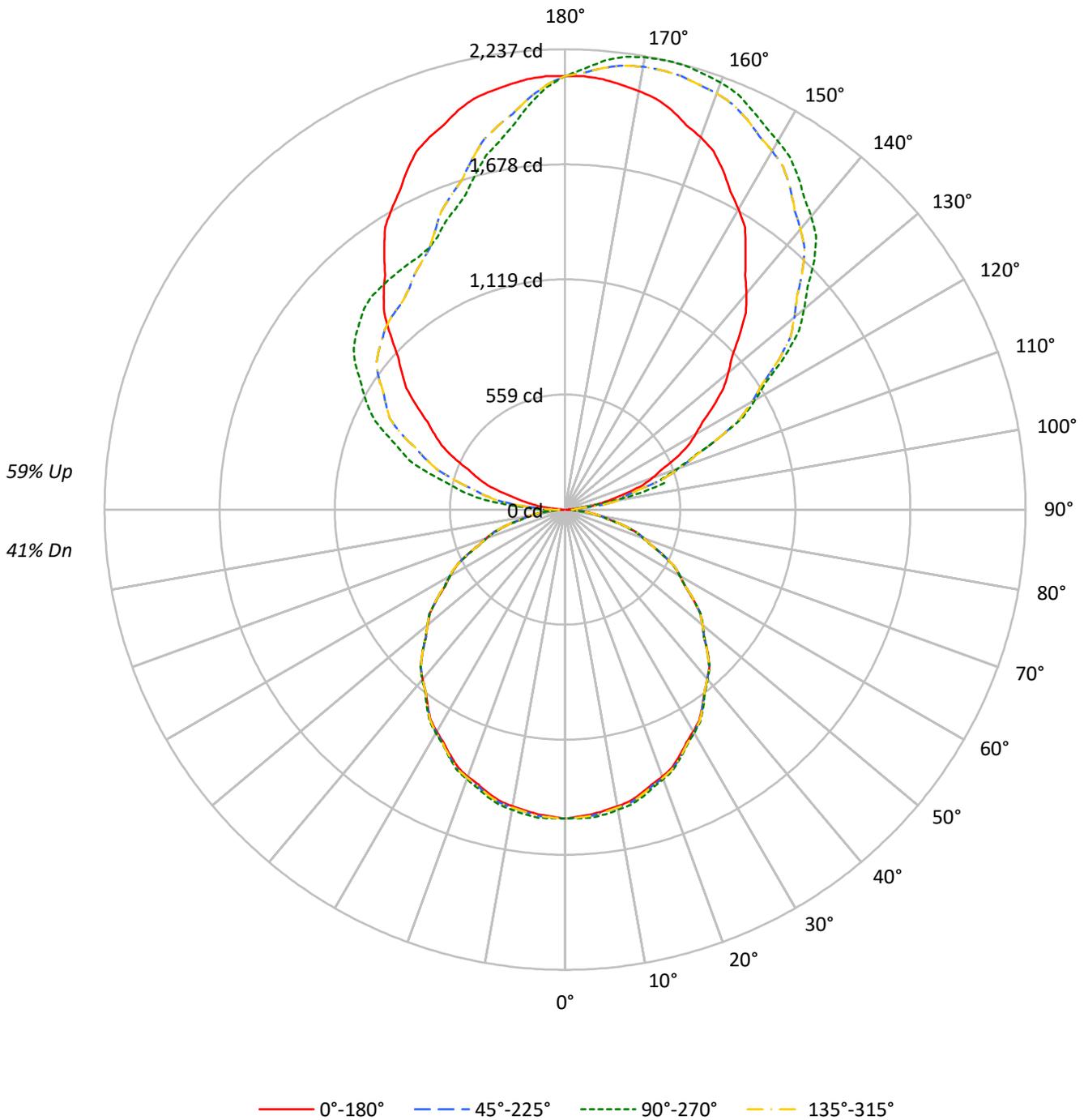
Lumens per Lamp: N/A
Luminaire Lumens: 10386.3 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 92.7
Input Voltage (V): 120
Input Current (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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				
1	96	91	87	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34				
2	87	79	73	68	79	73	67	63	60	56	53	48	45	43	37	35	33	28				
3	79	70	62	57	72	64	57	52	52	48	44	42	39	36	32	30	28	24				
4	72	62	54	48	66	56	49	44	46	41	37	37	34	31	29	26	24	20				
5	66	55	47	41	60	50	43	38	41	36	32	33	30	26	26	23	21	18				
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	21	18	15				
7	56	44	36	31	51	41	34	29	34	28	24	27	23	20	21	18	16	14				
8	52	40	32	27	47	37	30	25	31	25	22	25	21	18	20	17	15	12				
9	48	36	29	24	44	34	27	22	28	23	19	23	19	16	18	15	13	11				
10	45	33	26	21	41	31	24	20	26	21	17	21	17	15	17	14	12	10				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24251	24251	24251	24251
5°	24103	24377	24103	24377
10°	24018	24295	24018	24295
15°	23886	24187	23886	24187
20°	23735	23972	23735	23972
25°	23480	23686	23480	23686
30°	23231	23388	23231	23388
35°	22933	23079	22933	23079
40°	22672	22739	22672	22739
45°	22340	22340	22340	22340
50°	21893	21946	21893	21946
55°	21379	21407	21379	21407
60°	20802	20802	20802	20802
65°	20126	20045	20126	20045
70°	19175	18977	19175	18977
75°	17885	17486	17885	17486
80°	15937	15146	15937	15146
85°	12745	10782	12745	10782

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 22491 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	1.4
10°-20°	406.1	3.9
20°-30°	611.3	5.9
30°-40°	731.0	7.0
40°-50°	754.8	7.3
50°-60°	680.8	6.6
60°-70°	521.5	5.0
70°-80°	301.4	2.9
80°-90°	87.0	0.8
90°-100°	167.6	1.6
100°-110°	488.9	4.7
110°-120°	797.8	7.7
120°-130°	1012.4	9.7
130°-140°	1083.3	10.4
140°-150°	1011.5	9.7
150°-160°	832.4	8.0
160°-170°	558.2	5.4
170°-180°	198.2	1.9
0°-30°	1159.5	11.2
0°-40°	1890.4	18.2
0°-60°	3326.1	32.0
0°-90°	4236.0	40.8
90°-120°	1454.3	14.0
90°-150°	4561.5	43.9
90°-180°	6150.0	59.2
0°-180°	10386.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1502	1502	1502	1502	1502	
5°	1487	1504	1487	1504	1487	141
15°	1429	1447	1429	1447	1429	403
25°	1318	1330	1318	1330	1318	607
35°	1164	1171	1164	1171	1164	728
45°	978	978	978	978	978	754
55°	760	760	760	760	760	679
65°	527	525	527	525	527	521
75°	287	280	287	280	287	304
85°	69	58	69	58	69	80
90°	6	47	6	92	6	8
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0
2.5°	1494.4	1501.6	1508.7	1505.7	1499.3	1496.9	1498.4	1499.7	1500.4	1501.2	1500.4
5°	1487.2	1496.6	1506.0	1502.7	1495.2	1491.9	1492.9	1494.7	1499.4	1504.1	1499.4
7.5°	1475.2	1484.6	1494.0	1491.0	1483.8	1480.8	1481.9	1484.0	1488.9	1493.8	1488.9
10°	1465.0	1474.4	1483.8	1480.5	1473.0	1470.2	1472.1	1474.4	1478.2	1481.9	1478.2
12.5°	1452.3	1461.7	1471.1	1468.4	1461.6	1458.8	1459.9	1461.8	1465.9	1470.1	1465.9
15°	1429.0	1438.4	1447.8	1445.3	1438.7	1436.1	1437.5	1439.5	1443.3	1447.0	1443.3
17.5°	1400.9	1409.7	1418.6	1416.2	1410.1	1407.8	1409.4	1411.5	1414.8	1418.0	1414.8
20°	1381.4	1389.9	1398.4	1395.9	1389.8	1387.0	1387.4	1388.6	1391.9	1395.2	1391.9
22.5°	1357.8	1366.2	1374.7	1372.5	1366.8	1363.4	1362.3	1362.6	1366.6	1370.7	1366.6
25°	1318.0	1326.4	1334.9	1333.1	1328.0	1324.7	1323.3	1323.0	1326.3	1329.6	1326.3
27.5°	1276.5	1283.6	1290.6	1289.1	1284.8	1282.2	1281.2	1281.1	1283.5	1285.8	1283.5
30°	1246.1	1253.1	1260.2	1258.4	1253.7	1250.9	1249.9	1249.8	1252.2	1254.5	1252.2
32.5°	1213.9	1220.6	1227.2	1224.8	1219.4	1216.6	1216.4	1216.9	1219.6	1222.4	1219.6
35°	1163.5	1169.2	1174.8	1172.4	1167.2	1164.8	1165.3	1166.2	1168.6	1170.9	1168.6
37.5°	1113.0	1117.3	1121.6	1119.1	1114.3	1111.9	1111.8	1112.2	1114.2	1116.2	1114.2
40°	1075.7	1080.5	1085.2	1082.4	1077.3	1074.5	1074.0	1074.2	1076.6	1078.9	1076.6
42.5°	1037.7	1041.2	1044.8	1042.4	1038.0	1035.9	1036.2	1036.7	1037.9	1039.2	1037.9
45°	978.4	981.7	985.0	982.7	978.4	976.3	976.3	976.6	977.5	978.4	977.5
47.5°	916.4	919.0	921.5	919.7	916.4	914.5	913.9	913.9	915.4	916.9	915.4
50°	871.6	874.9	878.2	876.5	873.2	871.1	870.2	870.0	871.8	873.7	871.8
52.5°	827.6	831.3	834.9	833.4	830.1	827.8	826.5	825.9	827.4	828.9	827.4
55°	759.5	763.7	767.9	766.9	764.1	761.7	759.8	758.7	759.6	760.5	759.6
57.5°	689.9	694.0	698.2	697.4	694.9	692.6	690.3	688.9	690.3	691.6	690.3
60°	644.2	647.9	651.7	650.5	647.7	645.4	643.5	642.3	643.2	644.2	643.2
62.5°	597.6	601.4	605.2	603.7	600.5	598.0	596.1	594.9	595.9	596.8	595.9
65°	526.8	530.1	533.3	532.1	529.2	526.9	525.0	523.7	524.2	524.7	524.2
67.5°	455.3	458.1	460.9	459.6	456.8	454.1	451.4	449.5	450.3	451.0	450.3
70°	406.2	409.0	411.8	410.8	408.4	406.1	403.7	402.0	402.0	402.0	402.0
72.5°	358.8	361.2	363.7	362.3	359.5	357.2	355.2	353.7	353.7	353.7	353.7
75°	286.7	288.1	289.5	288.8	287.4	285.5	283.1	281.2	280.8	280.3	280.8
77.5°	217.1	217.1	217.1	215.7	213.9	212.1	210.4	208.9	208.3	207.7	208.3
80°	171.4	171.4	171.4	170.3	168.9	167.5	166.1	164.8	163.8	162.9	163.8
82.5°	129.0	128.3	127.5	126.3	124.9	123.1	120.9	119.6	120.5	121.4	120.5
85°	68.8	67.8	66.9	65.6	64.2	62.5	60.6	59.1	58.6	58.2	58.6
87.5°	22.4	23.4	24.8	25.4	25.6	24.7	23.2	22.4	22.4	22.1	22.4
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CATALOG NUMBER: SQ2W-F-K-150U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0
2.5°	1499.7	1498.4	1496.9	1499.3	1505.7	1508.7	1501.6	1494.4	1501.6	1508.7	1505.7
5°	1494.7	1492.9	1491.9	1495.2	1502.7	1506.0	1496.6	1487.2	1496.6	1506.0	1502.7
7.5°	1484.0	1481.9	1480.8	1483.8	1491.0	1494.0	1484.6	1475.2	1484.6	1494.0	1491.0
10°	1474.4	1472.1	1470.2	1473.0	1480.5	1483.8	1474.4	1465.0	1474.4	1483.8	1480.5
12.5°	1461.8	1459.9	1458.8	1461.6	1468.4	1471.1	1461.7	1452.3	1461.7	1471.1	1468.4
15°	1439.5	1437.5	1436.1	1438.7	1445.3	1447.8	1438.4	1429.0	1438.4	1447.8	1445.3
17.5°	1411.5	1409.4	1407.8	1410.1	1416.2	1418.6	1409.7	1400.9	1409.7	1418.6	1416.2
20°	1388.6	1387.4	1387.0	1389.8	1395.9	1398.4	1389.9	1381.4	1389.9	1398.4	1395.9
22.5°	1362.6	1362.3	1363.4	1366.8	1372.5	1374.7	1366.2	1357.8	1366.2	1374.7	1372.5
25°	1323.0	1323.3	1324.7	1328.0	1333.1	1334.9	1326.4	1318.0	1326.4	1334.9	1333.1
27.5°	1281.1	1281.2	1282.2	1284.8	1289.1	1290.6	1283.6	1276.5	1283.6	1290.6	1289.1
30°	1249.8	1249.9	1250.9	1253.7	1258.4	1260.2	1253.1	1246.1	1253.1	1260.2	1258.4
32.5°	1216.9	1216.4	1216.6	1219.4	1224.8	1227.2	1220.6	1213.9	1220.6	1227.2	1224.8
35°	1166.2	1165.3	1164.8	1167.2	1172.4	1174.8	1169.2	1163.5	1169.2	1174.8	1172.4
37.5°	1112.2	1111.8	1111.9	1114.3	1119.1	1121.6	1117.3	1113.0	1117.3	1121.6	1119.1
40°	1074.2	1074.0	1074.5	1077.3	1082.4	1085.2	1080.5	1075.7	1080.5	1085.2	1082.4
42.5°	1036.7	1036.2	1035.9	1038.0	1042.4	1044.8	1041.2	1037.7	1041.2	1044.8	1042.4
45°	976.6	976.3	976.3	978.4	982.7	985.0	981.7	978.4	981.7	985.0	982.7
47.5°	913.9	913.9	914.5	916.4	919.7	921.5	919.0	916.4	919.0	921.5	919.7
50°	870.0	870.2	871.1	873.2	876.5	878.2	874.9	871.6	874.9	878.2	876.5
52.5°	825.9	826.5	827.8	830.1	833.4	834.9	831.3	827.6	831.3	834.9	833.4
55°	758.7	759.8	761.7	764.1	766.9	767.9	763.7	759.5	763.7	767.9	766.9
57.5°	688.9	690.3	692.6	694.9	697.4	698.2	694.0	689.9	694.0	698.2	697.4
60°	642.3	643.5	645.4	647.7	650.5	651.7	647.9	644.2	647.9	651.7	650.5
62.5°	594.9	596.1	598.0	600.5	603.7	605.2	601.4	597.6	601.4	605.2	603.7
65°	523.7	525.0	526.9	529.2	532.1	533.3	530.1	526.8	530.1	533.3	532.1
67.5°	449.5	451.4	454.1	456.8	459.6	460.9	458.1	455.3	458.1	460.9	459.6
70°	402.0	403.7	406.1	408.4	410.8	411.8	409.0	406.2	409.0	411.8	410.8
72.5°	353.7	355.2	357.2	359.5	362.3	363.7	361.2	358.8	361.2	363.7	362.3
75°	281.2	283.1	285.5	287.4	288.8	289.5	288.1	286.7	288.1	289.5	288.8
77.5°	208.9	210.4	212.1	213.9	215.7	217.1	217.1	217.1	217.1	217.1	215.7
80°	164.8	166.1	167.5	168.9	170.3	171.4	171.4	171.4	171.4	171.4	170.3
82.5°	119.6	120.9	123.1	124.9	126.3	127.5	128.3	129.0	128.3	127.5	126.3
85°	59.1	60.6	62.5	64.2	65.6	66.9	67.8	68.8	67.8	66.9	65.6
87.5°	22.4	23.2	24.7	25.6	25.4	24.8	23.4	22.4	23.4	24.3	26.3
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2



TEST NUMBER: P1427812

CATALOG NUMBER: SQ2W-F-K-150U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0
2.5°	1499.3	1496.9	1498.4	1499.7	1500.4	1501.2	1500.4	1499.7	1498.4	1496.9	1499.3
5°	1495.2	1491.9	1492.9	1494.7	1499.4	1504.1	1499.4	1494.7	1492.9	1491.9	1495.2
7.5°	1483.8	1480.8	1481.9	1484.0	1488.9	1493.8	1488.9	1484.0	1481.9	1480.8	1483.8
10°	1473.0	1470.2	1472.1	1474.4	1478.2	1481.9	1478.2	1474.4	1472.1	1470.2	1473.0
12.5°	1461.6	1458.8	1459.9	1461.8	1465.9	1470.1	1465.9	1461.8	1459.9	1458.8	1461.6
15°	1438.7	1436.1	1437.5	1439.5	1443.3	1447.0	1443.3	1439.5	1437.5	1436.1	1438.7
17.5°	1410.1	1407.8	1409.4	1411.5	1414.8	1418.0	1414.8	1411.5	1409.4	1407.8	1410.1
20°	1389.8	1387.0	1387.4	1388.6	1391.9	1395.2	1391.9	1388.6	1387.4	1387.0	1389.8
22.5°	1366.8	1363.4	1362.3	1362.6	1366.6	1370.7	1366.6	1362.6	1362.3	1363.4	1366.8
25°	1328.0	1324.7	1323.3	1323.0	1326.3	1329.6	1326.3	1323.0	1323.3	1324.7	1328.0
27.5°	1284.8	1282.2	1281.2	1281.1	1283.5	1285.8	1283.5	1281.1	1281.2	1282.2	1284.8
30°	1253.7	1250.9	1249.9	1249.8	1252.2	1254.5	1252.2	1249.8	1249.9	1250.9	1253.7
32.5°	1219.4	1216.6	1216.4	1216.9	1219.6	1222.4	1219.6	1216.9	1216.4	1216.6	1219.4
35°	1167.2	1164.8	1165.3	1166.2	1168.6	1170.9	1168.6	1166.2	1165.3	1164.8	1167.2
37.5°	1114.3	1111.9	1111.8	1112.2	1114.2	1116.2	1114.2	1112.2	1111.8	1111.9	1114.3
40°	1077.3	1074.5	1074.0	1074.2	1076.6	1078.9	1076.6	1074.2	1074.0	1074.5	1077.3
42.5°	1038.0	1035.9	1036.2	1036.7	1037.9	1039.2	1037.9	1036.7	1036.2	1035.9	1038.0
45°	978.4	976.3	976.3	976.6	977.5	978.4	977.5	976.6	976.3	976.3	978.4
47.5°	916.4	914.5	913.9	913.9	915.4	916.9	915.4	913.9	913.9	914.5	916.4
50°	873.2	871.1	870.2	870.0	871.8	873.7	871.8	870.0	870.2	871.1	873.2
52.5°	830.1	827.8	826.5	825.9	827.4	828.9	827.4	825.9	826.5	827.8	830.1
55°	764.1	761.7	759.8	758.7	759.6	760.5	759.6	758.7	759.8	761.7	764.1
57.5°	694.9	692.6	690.3	688.9	690.3	691.6	690.3	688.9	690.3	692.6	694.9
60°	647.7	645.4	643.5	642.3	643.2	644.2	643.2	642.3	643.5	645.4	647.7
62.5°	600.5	598.0	596.1	594.9	595.9	596.8	595.9	594.9	596.1	598.0	600.5
65°	529.2	526.9	525.0	523.7	524.2	524.7	524.2	523.7	525.0	526.9	529.2
67.5°	456.8	454.1	451.4	449.5	450.3	451.0	450.3	449.5	451.4	454.1	456.8
70°	408.4	406.1	403.7	402.0	402.0	402.0	402.0	402.0	403.7	406.1	408.4
72.5°	359.5	357.2	355.2	353.7	353.7	353.7	353.7	353.7	355.2	357.2	359.5
75°	287.4	285.5	283.1	281.2	280.8	280.3	280.8	281.2	283.1	285.5	287.4
77.5°	213.9	212.1	210.4	208.9	208.3	207.7	208.3	208.9	210.4	212.1	213.9
80°	168.9	167.5	166.1	164.8	163.8	162.9	163.8	164.8	166.1	167.5	168.9
82.5°	124.9	123.1	120.9	119.6	120.5	121.4	120.5	119.6	120.9	123.1	124.9
85°	64.2	62.5	60.6	59.1	58.6	58.2	58.6	59.1	60.6	62.5	64.2
87.5°	27.3	28.9	30.4	30.9	32.2	31.0	32.2	30.9	30.4	28.9	27.3
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1427812

CATALOG NUMBER: SQ2W-F-K-150U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1427812

CATALOG NUMBER: SQ2W-F-K-150U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1502.0	1502.0	1502.0	1502.0
2.5°	1505.7	1508.7	1501.6	1494.4
5°	1502.7	1506.0	1496.6	1487.2
7.5°	1491.0	1494.0	1484.6	1475.2
10°	1480.5	1483.8	1474.4	1465.0
12.5°	1468.4	1471.1	1461.7	1452.3
15°	1445.3	1447.8	1438.4	1429.0
17.5°	1416.2	1418.6	1409.7	1400.9
20°	1395.9	1398.4	1389.9	1381.4
22.5°	1372.5	1374.7	1366.2	1357.8
25°	1333.1	1334.9	1326.4	1318.0
27.5°	1289.1	1290.6	1283.6	1276.5
30°	1258.4	1260.2	1253.1	1246.1
32.5°	1224.8	1227.2	1220.6	1213.9
35°	1172.4	1174.8	1169.2	1163.5
37.5°	1119.1	1121.6	1117.3	1113.0
40°	1082.4	1085.2	1080.5	1075.7
42.5°	1042.4	1044.8	1041.2	1037.7
45°	982.7	985.0	981.7	978.4
47.5°	919.7	921.5	919.0	916.4
50°	876.5	878.2	874.9	871.6
52.5°	833.4	834.9	831.3	827.6
55°	766.9	767.9	763.7	759.5
57.5°	697.4	698.2	694.0	689.9
60°	650.5	651.7	647.9	644.2
62.5°	603.7	605.2	601.4	597.6
65°	532.1	533.3	530.1	526.8
67.5°	459.6	460.9	458.1	455.3
70°	410.8	411.8	409.0	406.2
72.5°	362.3	363.7	361.2	358.8
75°	288.8	289.5	288.1	286.7
77.5°	215.7	217.1	217.1	217.1
80°	170.3	171.4	171.4	171.4
82.5°	126.3	127.5	128.3	129.0
85°	65.6	66.9	67.8	68.8
87.5°	26.3	24.3	23.4	22.4
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



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CATALOG NUMBER: SQ2W-F-K-150U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1427812
 CATALOG NUMBER: SQ2W-F-K-150U-100D-L940-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	18.02	18.82	19.05	19.86	21.25	17.94	18.73	18.97	19.77	21.17
	3H	19.81	20.52	20.85	21.57	22.98	19.71	20.42	20.75	21.47	22.88
	4H	20.50	21.18	21.55	22.23	23.65	20.39	21.06	21.44	22.11	23.53
	6H	20.94	21.56	22.00	22.61	24.05	20.79	21.42	21.86	22.47	23.90
	8H	21.09	21.69	22.16	22.76	24.19	20.94	21.53	22.00	22.60	24.03
	12H	21.18	21.74	22.25	22.80	24.26	21.00	21.56	22.07	22.63	24.08
4H	2H	18.60	19.27	19.65	20.32	21.74	18.53	19.20	19.59	20.25	21.68
	3H	20.61	21.18	21.68	22.25	23.69	20.52	21.08	21.59	22.16	23.60
	4H	21.42	21.94	22.50	23.01	24.47	21.31	21.83	22.38	22.90	24.35
	6H	21.97	22.42	23.05	23.51	24.96	21.83	22.27	22.91	23.37	24.82
	8H	22.18	22.60	23.27	23.68	25.15	22.02	22.44	23.11	23.52	24.99
	12H	22.29	22.67	23.39	23.77	25.24	22.11	22.48	23.21	23.58	25.05
8H	4H	21.66	22.08	22.74	23.16	24.63	21.56	21.98	22.65	23.06	24.53
	6H	22.35	22.69	23.45	23.82	25.28	22.22	22.56	23.32	23.69	25.15
	8H	22.65	22.95	23.76	24.06	25.55	22.50	22.80	23.61	23.91	25.39
	12H	22.83	23.10	23.95	24.20	25.72	22.64	22.91	23.76	24.01	25.53
12H	4H	21.65	22.03	22.75	23.13	24.60	21.56	21.94	22.66	23.03	24.51
	6H	22.40	22.70	23.51	23.81	25.29	22.27	22.57	23.38	23.68	25.17
	8H	22.73	22.99	23.84	24.10	25.62	22.58	22.84	23.69	23.95	25.47