

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: P1435848

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

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1435848  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FA-K-125U-100D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

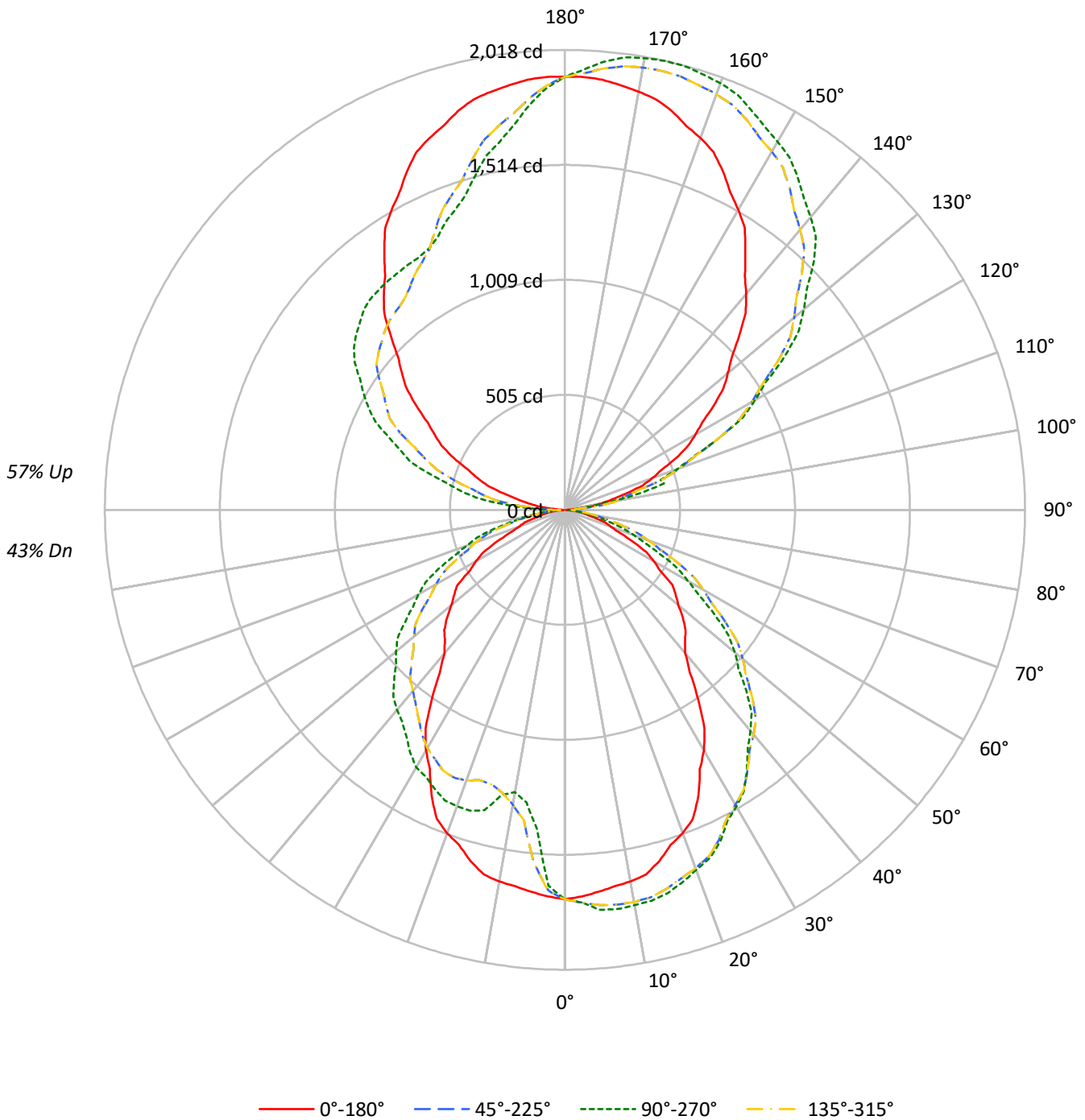
Lumens per Lamp: N/A  
Luminaire Lumens: 9798.3 lumens  
Efficiency: N/A  
Efficacy: 120.1 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 81.6  
Input Voltage (V): 120  
Input Current (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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	43
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31
3	80	71	64	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26
4	73	63	55	49	67	58	51	45	48	43	39	39	35	32	31	28	26	22
5	67	56	48	42	61	51	44	39	43	38	33	35	31	28	28	25	23	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	25	25	22	20	17
7	57	45	37	32	52	42	35	30	35	30	26	29	25	22	23	20	18	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	17	14	12
10	46	34	27	22	42	32	25	21	27	22	18	22	18	16	18	15	13	11

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

	0°	90°	180°	270°
0°	27586	27586	27586	27586
5°	27262	28549	27262	22753
10°	27143	28879	27143	20628
15°	26677	29113	26677	22803
20°	25943	28901	25943	23781
25°	24657	28667	24657	24068
30°	22717	28026	22717	24322
35°	20100	27411	20100	23887
40°	17308	26660	17308	24147
45°	17086	25706	17086	24194
50°	16302	24452	16302	24287
55°	16217	22556	16217	24048
60°	14541	20101	14541	23950
65°	12397	17711	12397	23277
70°	10003	15007	10003	21569
75°	8677	12395	8677	19831
80°	7392	9233	7392	16011
85°	4909	4909	4909	9818

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 26512 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.7	1.6
10°-20°	429.6	4.4
20°-30°	652.3	6.7
30°-40°	765.9	7.8
40°-50°	777.2	7.9
50°-60°	680.8	6.9
60°-70°	482.9	4.9
70°-80°	248.6	2.5
80°-90°	60.0	0.6
90°-100°	151.2	1.5
100°-110°	440.9	4.5
110°-120°	719.6	7.3
120°-130°	913.1	9.3
130°-140°	977.1	10.0
140°-150°	912.4	9.3
150°-160°	750.8	7.7
160°-170°	503.5	5.1
170°-180°	178.8	1.8
0°-30°	1235.6	12.6
0°-40°	2001.5	20.4
0°-60°	3459.5	35.3
0°-90°	4250.9	43.4
90°-120°	1311.8	13.4
90°-150°	4114.3	42.0
90°-180°	5547.0	56.6
0°-180°	9798.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1709	1709	1709	1709	1709	
5°	1682	1762	1682	1404	1682	160
15°	1596	1742	1596	1364	1596	448
25°	1384	1609	1384	1351	1384	632
35°	1020	1391	1020	1212	1020	635
45°	748	1126	748	1060	748	572
55°	576	801	576	854	576	498
65°	324	464	324	609	324	324
75°	139	199	139	318	139	150
85°	26	26	26	53	26	33
90°	6	42	6	82	6	5
95°	60	44	60	259	60	72
105°	280	449	280	618	280	298
115°	537	745	537	917	537	530
125°	794	1180	794	1125	794	711
135°	1080	1545	1080	1246	1080	835
145°	1380	1781	1380	1272	1380	863
155°	1639	1934	1639	1320	1639	753
165°	1812	2017	1812	1520	1812	510
175°	1894	1975	1894	1783	1894	180
180°	1900	1900	1900	1900	1900	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6
2.5°	1698.0	1709.7	1721.5	1724.5	1724.5	1724.5	1724.5	1724.5	1724.5	1724.5	1724.5
5°	1682.1	1702.7	1723.3	1732.8	1738.7	1743.1	1746.1	1749.8	1755.7	1761.5	1755.7
7.5°	1666.2	1693.8	1721.5	1735.1	1743.9	1750.9	1756.2	1761.0	1763.9	1766.8	1763.9
10°	1655.6	1688.0	1720.3	1735.1	1743.9	1749.8	1752.7	1755.7	1758.6	1761.5	1758.6
12.5°	1639.7	1674.4	1709.2	1726.2	1737.4	1744.5	1747.4	1750.4	1753.3	1756.2	1753.3
15°	1596.0	1643.1	1690.2	1708.6	1717.4	1724.8	1730.6	1735.8	1738.7	1741.7	1738.7
17.5°	1541.7	1598.8	1655.9	1679.0	1690.8	1699.3	1704.6	1709.2	1711.5	1713.9	1711.5
20°	1509.9	1571.7	1633.5	1657.8	1669.6	1676.9	1679.9	1682.1	1682.1	1682.1	1682.1
22.5°	1467.5	1536.4	1605.3	1631.3	1643.1	1649.3	1649.8	1650.9	1653.2	1655.6	1653.2
25°	1384.1	1463.5	1543.0	1576.1	1593.8	1601.1	1598.2	1597.5	1603.3	1609.2	1603.3
27.5°	1282.1	1382.2	1482.2	1516.1	1527.8	1535.2	1538.1	1540.4	1540.4	1540.4	1540.4
30°	1218.5	1330.4	1442.2	1479.0	1490.8	1498.1	1501.1	1503.3	1503.3	1503.3	1503.3
32.5°	1139.0	1272.1	1405.1	1445.4	1454.9	1459.9	1460.4	1460.9	1460.9	1460.9	1460.9
35°	1019.8	1181.7	1343.6	1388.5	1394.4	1397.3	1397.3	1396.6	1393.6	1390.7	1393.6
37.5°	900.6	1084.3	1268.0	1320.5	1329.3	1331.7	1327.6	1323.7	1320.8	1317.8	1320.8
40°	821.2	1021.3	1221.5	1278.1	1286.9	1286.9	1278.1	1270.8	1267.8	1264.9	1267.8
42.5°	778.8	976.6	1174.4	1230.4	1239.3	1238.1	1226.9	1217.8	1214.8	1211.9	1214.8
45°	748.3	924.9	1101.5	1152.3	1161.1	1159.6	1147.9	1137.6	1131.7	1125.8	1131.7
47.5°	702.0	857.4	1012.8	1062.7	1077.4	1075.9	1058.2	1043.5	1037.6	1031.8	1037.6
50°	649.0	802.0	955.1	1004.4	1019.1	1017.6	1000.0	985.3	979.4	973.5	979.4
52.5°	611.9	755.5	899.2	944.3	956.7	952.9	932.9	916.4	910.5	904.6	910.5
55°	576.1	696.8	817.5	854.3	863.1	857.2	836.6	819.0	810.1	801.3	810.1
57.5°	492.7	607.5	722.3	758.0	767.5	760.4	736.8	716.7	706.7	696.7	706.7
60°	450.3	553.3	656.3	690.9	702.7	696.8	673.3	651.9	637.2	622.5	637.2
62.5°	402.6	493.9	585.1	620.3	636.8	633.2	609.7	588.4	573.6	558.9	573.6
65°	324.5	404.0	483.4	518.7	539.4	537.9	514.3	493.0	478.3	463.6	478.3
67.5°	254.3	322.6	390.9	425.6	449.1	448.0	422.1	399.7	387.9	376.1	387.9
70°	211.9	270.8	329.6	362.0	385.6	385.6	362.0	341.4	329.6	317.9	329.6
72.5°	185.4	230.2	274.9	305.5	331.4	331.4	305.5	283.7	274.3	264.9	274.3
75°	139.1	165.6	192.0	220.7	250.2	253.1	229.6	210.4	204.6	198.7	204.6
77.5°	100.7	113.0	125.4	147.9	173.8	176.7	156.7	141.1	138.8	136.4	138.8
80°	79.5	82.4	85.4	103.7	127.3	130.2	112.6	99.3	99.3	99.3	99.3
82.5°	53.0	55.9	58.9	72.0	88.4	90.2	77.3	67.0	64.6	62.2	64.6
85°	26.5	26.5	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	26.5
87.5°	6.4	8.0	9.9	13.2	16.7	17.1	14.7	13.4	13.7	13.7	13.7
90°	5.8	13.4	23.0	30.7	36.5	38.4	38.4	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.8	33.8	41.1	44.5	47.6	48.0	49.9	49.9	49.9
95°	59.5	65.2	97.9	96.0	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.6	122.1	127.4	170.8	180.4	174.3	142.0	119.4	106.7	100.9	106.7
100°	161.2	165.0	176.6	178.5	226.5	272.5	249.5	220.7	211.1	205.3	211.1
102.5°	208.8	211.1	228.8	236.8	247.9	274.0	353.9	345.1	338.5	337.4	338.5
105°	280.2	282.1	314.7	330.1	337.8	337.8	335.8	374.2	435.6	449.1	435.6
107.5°	356.6	365.4	403.8	444.8	453.7	456.0	446.0	440.2	437.9	439.5	437.9
110°	408.8	422.2	468.3	520.1	533.5	537.3	533.5	527.8	523.9	523.9	523.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.4	479.0	531.2	590.7	613.3	624.9	616.4	612.2	608.4	611.4	608.4
115°	537.3	566.1	635.2	696.6	742.7	748.4	746.5	746.5	744.6	744.6	744.6
117.5°	609.5	655.6	733.1	804.5	857.8	873.2	880.9	878.6	876.3	880.1	876.3
120°	660.2	713.9	802.2	882.8	934.6	957.6	965.3	961.5	965.3	961.5	965.3
122.5°	713.9	779.9	866.7	950.3	1011.4	1037.5	1046.7	1047.4	1048.2	1045.9	1048.2
125°	794.5	875.1	976.8	1063.2	1126.5	1157.2	1164.9	1166.8	1170.6	1180.2	1170.6
127.5°	875.9	967.2	1078.9	1162.2	1227.1	1264.3	1276.2	1280.4	1288.5	1292.7	1288.5
130°	932.7	1036.3	1149.5	1228.2	1291.6	1331.9	1353.0	1358.7	1368.3	1366.4	1368.3
132.5°	992.6	1100.8	1215.6	1297.3	1356.0	1399.4	1417.4	1433.9	1437.4	1440.1	1437.4
135°	1080.5	1197.5	1312.7	1393.3	1448.9	1491.1	1514.2	1529.5	1539.1	1544.9	1539.1
137.5°	1173.0	1296.5	1407.1	1478.9	1534.9	1571.4	1597.5	1613.6	1623.6	1628.2	1623.6
140°	1235.9	1354.9	1462.4	1537.2	1587.1	1623.6	1646.6	1665.8	1677.3	1677.3	1677.3
142.5°	1295.8	1413.2	1517.6	1592.5	1636.2	1669.6	1694.2	1708.8	1721.8	1721.8	1721.8
145°	1379.8	1496.9	1592.8	1667.7	1704.2	1734.9	1761.7	1773.2	1780.9	1780.9	1780.9
147.5°	1467.7	1571.4	1658.9	1730.6	1761.3	1797.4	1818.5	1827.7	1837.3	1833.1	1837.3
150°	1519.9	1615.9	1700.3	1767.5	1798.2	1832.7	1853.8	1861.5	1871.1	1865.4	1871.1
152.5°	1570.6	1661.9	1738.7	1801.3	1827.4	1861.9	1886.1	1893.8	1900.3	1896.1	1900.3
155°	1638.9	1719.5	1790.5	1848.1	1871.1	1903.7	1926.8	1936.4	1944.0	1934.4	1944.0
157.5°	1699.9	1769.4	1831.2	1884.2	1908.7	1936.8	1958.2	1970.1	1977.8	1973.6	1977.8
160°	1736.8	1800.1	1855.8	1905.7	1928.7	1953.6	1976.7	1990.1	1997.8	1992.0	1997.8
162.5°	1767.5	1824.7	1877.3	1922.5	1942.5	1964.4	1992.0	2003.9	2011.6	2004.3	2011.6
165°	1811.6	1857.7	1903.7	1942.1	1959.4	1976.7	2005.5	2018.9	2024.6	2017.0	2024.6
167.5°	1845.0	1880.3	1917.6	1950.6	1963.2	1980.1	2008.9	2020.0	2027.3	2017.7	2027.3
170°	1863.4	1894.1	1926.8	1953.6	1963.2	1978.6	2007.4	2017.0	2022.7	2013.1	2022.7
172.5°	1878.8	1901.8	1928.3	1952.1	1957.1	1969.4	1996.6	2006.2	2010.4	2002.4	2010.4
175°	1894.1	1907.6	1926.8	1942.1	1940.2	1947.9	1970.9	1978.6	1986.3	1974.7	1986.3
177.5°	1901.4	1907.6	1913.7	1922.9	1916.8	1916.8	1933.7	1938.3	1939.8	1933.7	1939.8
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6
2.5°	1724.5	1724.5	1724.5	1724.5	1724.5	1721.5	1709.7	1698.0	1698.0	1698.0	1689.1
5°	1749.8	1746.1	1743.1	1738.7	1732.8	1723.3	1702.7	1682.1	1673.2	1664.4	1626.9
7.5°	1761.0	1756.2	1750.9	1743.9	1735.1	1721.5	1693.8	1666.2	1626.7	1587.3	1503.7
10°	1755.7	1752.7	1749.8	1743.9	1735.1	1720.3	1688.0	1655.6	1576.1	1496.6	1417.2
12.5°	1750.4	1747.4	1744.5	1737.4	1726.2	1709.2	1674.4	1639.7	1527.3	1414.8	1343.0
15°	1735.8	1730.6	1724.8	1717.4	1708.6	1690.2	1643.1	1596.0	1469.4	1342.9	1282.5
17.5°	1709.2	1704.6	1699.3	1690.8	1679.0	1655.9	1598.8	1541.7	1409.2	1276.8	1237.9
20°	1682.1	1679.9	1676.9	1669.6	1657.8	1633.5	1571.7	1509.9	1377.4	1245.0	1227.3
22.5°	1650.9	1649.8	1649.3	1643.1	1631.3	1605.3	1536.4	1467.5	1337.4	1207.3	1207.9
25°	1597.5	1598.2	1601.1	1593.8	1576.1	1543.0	1463.5	1384.1	1269.3	1154.5	1174.4
27.5°	1540.4	1538.1	1535.2	1527.8	1516.1	1482.2	1382.2	1282.1	1191.4	1100.8	1133.7
30°	1503.3	1501.1	1498.1	1490.8	1479.0	1442.2	1330.4	1218.5	1142.0	1065.5	1103.7
32.5°	1460.9	1460.4	1459.9	1454.9	1445.4	1405.1	1272.1	1139.0	1083.7	1028.4	1068.4
35°	1396.6	1397.3	1397.3	1394.4	1388.5	1343.6	1181.7	1019.8	996.3	972.7	1019.8
37.5°	1323.7	1327.6	1331.7	1329.3	1320.5	1268.0	1084.3	900.6	908.3	915.9	973.0
40°	1270.8	1278.1	1286.9	1286.9	1278.1	1221.5	1021.3	821.2	847.7	874.1	936.0
42.5°	1217.8	1226.9	1238.1	1239.3	1230.4	1174.4	976.6	778.8	807.6	836.5	900.6
45°	1137.6	1147.9	1159.6	1161.1	1152.3	1101.5	924.9	748.3	766.0	783.6	845.5
47.5°	1043.5	1058.2	1075.9	1077.4	1062.7	1012.8	857.4	702.0	714.9	727.9	791.1
50°	985.3	1000.0	1017.6	1019.1	1004.4	955.1	802.0	649.0	666.6	684.3	750.5
52.5°	916.4	932.9	952.9	956.7	944.3	899.2	755.5	611.9	622.5	633.1	704.6
55°	819.0	836.6	857.2	863.1	854.3	817.5	696.8	576.1	567.3	558.5	631.3
57.5°	716.7	736.8	760.4	767.5	758.0	722.3	607.5	492.7	485.0	477.4	556.3
60°	651.9	673.3	696.8	702.7	690.9	656.3	553.3	450.3	435.6	420.9	503.3
62.5°	588.4	609.7	633.2	636.8	620.3	585.1	493.9	402.6	392.6	382.6	462.7
65°	493.0	514.3	537.9	539.4	518.7	483.4	404.0	324.5	330.4	336.3	408.4
67.5°	399.7	422.1	448.0	449.1	425.6	390.9	322.6	254.3	273.7	293.1	358.0
70°	341.4	362.0	385.6	385.6	362.0	329.6	270.8	211.9	238.4	264.9	324.5
72.5°	283.7	305.5	331.4	331.4	305.5	274.9	230.2	185.4	211.9	238.4	287.4
75°	210.4	229.6	253.1	250.2	220.7	192.0	165.6	139.1	165.6	192.0	229.6
77.5°	141.1	156.7	176.7	173.8	147.9	125.4	113.0	100.7	122.4	144.2	170.4
80°	99.3	112.6	130.2	127.3	103.7	85.4	82.4	79.5	94.2	108.9	128.0
82.5°	67.0	77.3	90.2	88.4	72.0	58.9	55.9	53.0	65.3	77.7	90.9
85°	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	32.4	38.3	44.1
87.5°	13.4	14.7	17.1	16.7	13.2	9.9	8.0	6.4	10.3	14.2	17.5
90°	40.3	38.4	38.4	36.5	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	48.0	47.6	44.5	41.1	33.8	33.8	33.4	21.1	36.5	51.8	74.5
95°	44.1	44.1	51.8	65.2	96.0	97.9	65.2	59.5	84.4	119.0	149.7
97.5°	119.4	142.0	174.3	180.4	170.8	127.4	122.1	113.6	154.7	188.8	238.4
100°	220.7	249.5	272.5	226.5	178.5	176.6	165.0	161.2	205.3	238.0	285.9
102.5°	345.1	353.9	274.0	247.9	236.8	228.8	211.1	208.8	252.9	297.8	338.1
105°	374.2	335.8	337.8	337.8	330.1	314.7	282.1	280.2	330.1	381.9	431.8
107.5°	440.2	446.0	456.0	453.7	444.8	403.8	365.4	356.6	401.5	463.7	518.5
110°	527.8	533.5	537.3	533.5	520.1	468.3	422.2	408.8	449.1	514.3	573.8



TEST NUMBER: P1435848

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

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	612.2	616.4	624.9	613.3	590.7	531.2	479.0	459.4	499.7	566.5	627.5
115°	746.5	746.5	748.4	742.7	696.6	635.2	566.1	537.3	571.9	633.3	700.5
117.5°	878.6	880.9	873.2	857.8	804.5	733.1	655.6	609.5	636.8	701.6	770.7
120°	961.5	965.3	957.6	934.6	882.8	802.2	713.9	660.2	681.3	744.6	813.7
122.5°	1047.4	1046.7	1037.5	1011.4	950.3	866.7	779.9	713.9	722.7	781.5	849.0
125°	1166.8	1164.9	1157.2	1126.5	1063.2	976.8	875.1	794.5	783.0	832.9	902.0
127.5°	1280.4	1276.2	1264.3	1227.1	1162.2	1078.9	967.2	875.9	850.2	881.6	945.0
130°	1358.7	1353.0	1331.9	1291.6	1228.2	1149.5	1036.3	932.7	896.2	915.4	971.1
132.5°	1433.9	1417.4	1399.4	1356.0	1297.3	1215.6	1100.8	992.6	942.3	950.7	994.1
135°	1529.5	1514.2	1491.1	1448.9	1393.3	1312.7	1197.5	1080.5	1011.4	1003.7	1028.6
137.5°	1613.6	1597.5	1571.4	1534.9	1478.9	1407.1	1296.5	1173.0	1085.8	1060.1	1069.7
140°	1665.8	1646.6	1623.6	1587.1	1537.2	1462.4	1354.9	1235.9	1138.0	1101.6	1095.8
142.5°	1708.8	1694.2	1669.6	1636.2	1592.5	1517.6	1413.2	1295.8	1191.8	1144.5	1131.1
145°	1773.2	1761.7	1734.9	1704.2	1667.7	1592.8	1496.9	1379.8	1276.2	1214.8	1186.0
147.5°	1827.7	1818.5	1797.4	1761.3	1730.6	1658.9	1571.4	1467.7	1361.4	1285.4	1248.2
150°	1861.5	1853.8	1832.7	1798.2	1767.5	1700.3	1615.9	1519.9	1418.2	1337.6	1289.6
152.5°	1893.8	1886.1	1861.9	1827.4	1801.3	1738.7	1661.9	1570.6	1467.3	1386.7	1337.2
155°	1936.4	1926.8	1903.7	1871.1	1848.1	1790.5	1719.5	1638.9	1550.6	1466.2	1410.5
157.5°	1970.1	1958.2	1936.8	1908.7	1884.2	1831.2	1769.4	1699.9	1622.8	1542.2	1485.4
160°	1990.1	1976.7	1953.6	1928.7	1905.7	1855.8	1800.1	1736.8	1665.8	1592.8	1531.4
162.5°	2003.9	1992.0	1964.4	1942.5	1922.5	1877.3	1824.7	1767.5	1704.2	1640.4	1583.6
165°	2018.9	2005.5	1976.7	1959.4	1942.1	1903.7	1857.7	1811.6	1757.9	1706.1	1660.0
167.5°	2020.0	2008.9	1980.1	1963.2	1950.6	1917.6	1880.3	1845.0	1803.2	1762.5	1724.1
170°	2017.0	2007.4	1978.6	1963.2	1953.6	1926.8	1894.1	1863.4	1830.8	1796.3	1765.6
172.5°	2006.2	1996.6	1969.4	1957.1	1952.1	1928.3	1901.8	1878.8	1850.8	1825.4	1800.9
175°	1978.6	1970.9	1947.9	1940.2	1942.1	1926.8	1907.6	1894.1	1876.9	1861.5	1848.1
177.5°	1938.3	1933.7	1916.8	1916.8	1922.9	1913.7	1907.6	1901.4	1893.8	1889.2	1884.6
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1435848

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6	1708.6
2.5°	1677.4	1667.9	1660.9	1655.0	1652.6	1650.3	1652.6	1655.0	1660.9	1667.9	1677.4
5°	1579.8	1529.8	1476.8	1433.4	1418.7	1403.9	1418.7	1433.4	1476.8	1529.8	1579.8
7.5°	1405.4	1345.1	1322.7	1304.7	1300.0	1295.3	1300.0	1304.7	1322.7	1345.1	1405.4
10°	1337.7	1289.1	1271.5	1258.2	1258.2	1258.2	1258.2	1258.2	1271.5	1289.1	1337.7
12.5°	1284.7	1255.0	1253.8	1255.9	1267.7	1279.4	1267.7	1255.9	1253.8	1255.0	1284.7
15°	1244.3	1248.7	1295.8	1334.8	1349.5	1364.2	1349.5	1334.8	1295.8	1248.7	1244.3
17.5°	1230.3	1255.6	1313.9	1360.5	1372.3	1384.1	1372.3	1360.5	1313.9	1255.6	1230.3
20°	1247.9	1280.3	1324.5	1360.5	1372.3	1384.1	1372.3	1360.5	1324.5	1280.3	1247.9
22.5°	1252.1	1291.5	1326.2	1355.2	1367.0	1378.8	1367.0	1355.2	1326.2	1291.5	1252.1
25°	1239.1	1286.2	1315.6	1339.2	1345.1	1351.0	1345.1	1339.2	1315.6	1286.2	1239.1
27.5°	1207.9	1259.7	1289.1	1312.3	1316.4	1320.5	1316.4	1312.3	1289.1	1259.7	1207.9
30°	1180.2	1233.2	1262.7	1286.9	1295.8	1304.6	1295.8	1286.9	1262.7	1233.2	1180.2
32.5°	1140.2	1194.4	1230.9	1258.7	1260.5	1262.2	1260.5	1258.7	1230.9	1194.4	1140.2
35°	1090.5	1146.4	1187.6	1217.8	1214.8	1211.9	1214.8	1217.8	1187.6	1146.4	1090.5
37.5°	1046.6	1101.4	1137.3	1165.1	1168.6	1172.2	1168.6	1165.1	1137.3	1101.4	1046.6
40°	1009.5	1065.5	1103.7	1133.9	1139.8	1145.7	1139.8	1133.9	1103.7	1065.5	1009.5
42.5°	976.6	1033.7	1071.9	1102.1	1108.0	1113.9	1108.0	1102.1	1071.9	1033.7	976.6
45°	922.0	980.8	1022.0	1053.7	1056.6	1059.6	1056.6	1053.7	1022.0	980.8	922.0
47.5°	871.2	930.4	968.6	998.1	1001.0	1003.9	1001.0	998.1	968.6	930.4	871.2
50°	832.9	893.3	931.5	961.0	963.9	966.9	963.9	961.0	931.5	893.3	832.9
52.5°	796.4	859.1	892.7	918.6	921.5	924.5	921.5	918.6	892.7	859.1	796.4
55°	731.4	797.6	830.0	854.3	854.3	854.3	854.3	830.0	797.6	731.4	731.4
57.5°	664.0	732.0	760.2	782.3	785.9	789.4	785.9	782.3	760.2	732.0	664.0
60°	618.1	687.3	710.8	729.9	735.8	741.7	735.8	729.9	710.8	687.3	618.1
62.5°	572.8	639.6	663.1	681.7	685.2	688.7	685.2	681.7	663.1	639.6	572.8
65°	502.6	561.4	585.0	603.4	606.3	609.3	606.3	603.4	585.0	561.4	502.6
67.5°	438.1	486.4	502.9	515.8	518.2	520.5	518.2	515.8	502.9	486.4	438.1
70°	395.1	436.3	448.1	456.9	456.9	456.9	456.9	448.1	436.3	395.1	395.1
72.5°	343.9	378.1	389.8	399.3	401.6	404.0	401.6	399.3	389.8	378.1	343.9
75°	270.8	295.8	304.6	312.0	314.9	317.9	314.9	312.0	304.6	295.8	270.8
77.5°	198.1	214.6	219.9	224.6	227.5	230.5	227.5	224.6	219.9	214.6	198.1
80°	148.6	160.4	163.4	166.3	169.2	172.2	169.2	166.3	163.4	160.4	148.6
82.5°	104.5	112.7	115.7	118.0	118.6	119.2	118.6	118.0	115.7	112.7	104.5
85°	50.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	50.0
87.5°	19.4	22.1	24.8	26.3	27.9	27.1	27.9	26.3	24.8	22.1	19.4
90°	44.1	57.6	71.0	78.7	86.4	82.5	86.4	78.7	71.0	57.6	44.1
92.5°	88.7	111.3	127.8	141.6	147.8	147.0	147.8	141.6	127.8	111.3	88.7
95°	178.5	205.3	232.2	251.4	262.9	259.1	262.9	251.4	232.2	205.3	178.5
97.5°	275.2	311.3	341.2	359.3	370.8	378.4	370.8	359.3	341.2	311.3	275.2
100°	339.7	374.2	408.8	429.9	449.1	456.7	449.1	429.9	408.8	374.2	339.7
102.5°	391.9	437.2	474.8	497.4	513.5	521.2	513.5	497.4	474.8	437.2	391.9
105°	477.9	525.8	566.1	594.9	612.2	617.9	612.2	594.9	566.1	525.8	477.9
107.5°	563.8	613.3	650.6	682.4	703.5	715.8	703.5	682.4	650.6	613.3	563.8
110°	631.4	671.7	712.0	740.8	761.9	769.6	761.9	740.8	712.0	671.7	631.4



TEST NUMBER: P1435848

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

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	688.2	733.1	773.4	802.2	826.4	837.1	826.4	802.2	773.4	733.1	688.2
115°	767.6	827.1	863.6	890.5	907.7	917.3	907.7	890.5	863.6	827.1	767.6
117.5°	833.7	895.8	935.8	956.5	964.5	971.4	964.5	956.5	935.8	895.8	833.7
120°	875.1	932.7	978.7	1005.6	1015.2	1019.0	1015.2	1005.6	978.7	932.7	875.1
122.5°	913.5	968.0	1012.5	1045.5	1061.3	1065.1	1061.3	1045.5	1012.5	968.0	913.5
125°	967.2	1019.0	1065.1	1097.7	1115.0	1124.6	1115.0	1097.7	1065.1	1019.0	967.2
127.5°	1014.1	1070.1	1112.3	1141.9	1158.7	1166.4	1158.7	1141.9	1112.3	1070.1	1014.1
130°	1040.1	1097.7	1139.9	1172.6	1187.9	1195.6	1187.9	1172.6	1139.9	1097.7	1040.1
132.5°	1060.1	1120.8	1164.5	1194.1	1210.9	1218.6	1210.9	1194.1	1164.5	1120.8	1060.1
135°	1084.3	1147.6	1193.7	1222.5	1237.8	1245.5	1237.8	1222.5	1193.7	1147.6	1084.3
137.5°	1105.4	1163.0	1210.9	1241.3	1255.1	1260.1	1255.1	1241.3	1210.9	1163.0	1105.4
140°	1120.8	1170.6	1218.6	1247.4	1262.8	1264.7	1262.8	1247.4	1218.6	1170.6	1120.8
142.5°	1140.7	1179.9	1221.7	1250.5	1265.8	1269.3	1265.8	1250.5	1221.7	1179.9	1140.7
145°	1176.4	1199.4	1228.2	1255.1	1268.5	1272.4	1268.5	1255.1	1228.2	1199.4	1176.4
147.5°	1221.3	1228.6	1243.6	1261.2	1274.3	1277.0	1274.3	1261.2	1243.6	1228.6	1221.3
150°	1255.1	1253.2	1258.9	1270.4	1282.0	1280.0	1282.0	1270.4	1258.9	1253.2	1255.1
152.5°	1293.5	1282.3	1282.0	1287.3	1292.7	1292.3	1292.7	1287.3	1282.0	1282.3	1293.5
155°	1358.7	1337.6	1326.1	1322.3	1322.3	1320.3	1322.3	1322.3	1326.1	1337.6	1358.7
157.5°	1430.5	1400.9	1383.7	1374.5	1371.8	1367.5	1371.8	1374.5	1383.7	1400.9	1430.5
160°	1479.6	1447.0	1429.7	1414.4	1408.6	1402.9	1408.6	1414.4	1429.7	1447.0	1479.6
162.5°	1525.7	1494.6	1475.8	1462.0	1456.2	1447.4	1456.2	1462.0	1475.8	1494.6	1525.7
165°	1600.5	1567.9	1546.8	1535.3	1527.6	1519.9	1527.6	1535.3	1546.8	1567.9	1600.5
167.5°	1675.4	1639.7	1625.9	1612.8	1605.5	1591.7	1605.5	1612.8	1625.9	1639.7	1675.4
170°	1721.4	1688.8	1681.1	1669.6	1656.2	1640.8	1656.2	1669.6	1681.1	1688.8	1721.4
172.5°	1761.3	1739.5	1731.8	1720.3	1716.1	1703.8	1716.1	1720.3	1731.8	1739.5	1761.3
175°	1819.3	1802.0	1802.0	1800.1	1794.4	1782.8	1794.4	1800.1	1802.0	1802.0	1819.3
177.5°	1867.7	1858.5	1864.6	1864.6	1863.1	1852.3	1863.1	1864.6	1864.6	1858.5	1867.7
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1435848

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1708.6	1708.6	1708.6	1708.6
2.5°	1689.1	1698.0	1698.0	1698.0
5°	1626.9	1664.4	1673.2	1682.1
7.5°	1503.7	1587.3	1626.7	1666.2
10°	1417.2	1496.6	1576.1	1655.6
12.5°	1343.0	1414.8	1527.3	1639.7
15°	1282.5	1342.9	1469.4	1596.0
17.5°	1237.9	1276.8	1409.2	1541.7
20°	1227.3	1245.0	1377.4	1509.9
22.5°	1207.9	1207.3	1337.4	1467.5
25°	1174.4	1154.5	1269.3	1384.1
27.5°	1133.7	1100.8	1191.4	1282.1
30°	1103.7	1065.5	1142.0	1218.5
32.5°	1068.4	1028.4	1083.7	1139.0
35°	1019.8	972.7	996.3	1019.8
37.5°	973.0	915.9	908.3	900.6
40°	936.0	874.1	847.7	821.2
42.5°	900.6	836.5	807.6	778.8
45°	845.5	783.6	766.0	748.3
47.5°	791.1	727.9	714.9	702.0
50°	750.5	684.3	666.6	649.0
52.5°	704.6	633.1	622.5	611.9
55°	631.3	558.5	567.3	576.1
57.5°	556.3	477.4	485.0	492.7
60°	503.3	420.9	435.6	450.3
62.5°	462.7	382.6	392.6	402.6
65°	408.4	336.3	330.4	324.5
67.5°	358.0	293.1	273.7	254.3
70°	324.5	264.9	238.4	211.9
72.5°	287.4	238.4	211.9	185.4
75°	229.6	192.0	165.6	139.1
77.5°	170.4	144.2	122.4	100.7
80°	128.0	108.9	94.2	79.5
82.5°	90.9	77.7	65.3	53.0
85°	44.1	38.3	32.4	26.5
87.5°	17.5	14.2	10.3	6.4
90°	34.5	21.1	13.4	5.8
92.5°	74.5	51.8	36.5	21.1
95°	149.7	119.0	84.4	59.5
97.5°	238.4	188.8	154.7	113.6
100°	285.9	238.0	205.3	161.2
102.5°	338.1	297.8	252.9	208.8
105°	431.8	381.9	330.1	280.2
107.5°	518.5	463.7	401.5	356.6
110°	573.8	514.3	449.1	408.8



TEST NUMBER: P1435848

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

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	627.5	566.5	499.7	459.4
115°	700.5	633.3	571.9	537.3
117.5°	770.7	701.6	636.8	609.5
120°	813.7	744.6	681.3	660.2
122.5°	849.0	781.5	722.7	713.9
125°	902.0	832.9	783.0	794.5
127.5°	945.0	881.6	850.2	875.9
130°	971.1	915.4	896.2	932.7
132.5°	994.1	950.7	942.3	992.6
135°	1028.6	1003.7	1011.4	1080.5
137.5°	1069.7	1060.1	1085.8	1173.0
140°	1095.8	1101.6	1138.0	1235.9
142.5°	1131.1	1144.5	1191.8	1295.8
145°	1186.0	1214.8	1276.2	1379.8
147.5°	1248.2	1285.4	1361.4	1467.7
150°	1289.6	1337.6	1418.2	1519.9
152.5°	1337.2	1386.7	1467.3	1570.6
155°	1410.5	1466.2	1550.6	1638.9
157.5°	1485.4	1542.2	1622.8	1699.9
160°	1531.4	1592.8	1665.8	1736.8
162.5°	1583.6	1640.4	1704.2	1767.5
165°	1660.0	1706.1	1757.9	1811.6
167.5°	1724.1	1762.5	1803.2	1845.0
170°	1765.6	1796.3	1830.8	1863.4
172.5°	1800.9	1825.4	1850.8	1878.8
175°	1848.1	1861.5	1876.9	1894.1
177.5°	1884.6	1889.2	1893.8	1901.4
180°	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1435848  
 CATALOG NUMBER: SQ2W-FA-K-125U-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	17.26	18.06	18.27	19.08	20.45	18.46	19.26	19.47	20.28	21.64
	3H	18.34	19.06	19.36	20.09	21.47	19.70	20.41	20.72	21.45	22.83
	4H	18.69	19.37	19.73	20.41	21.80	20.08	20.76	21.12	21.80	23.19
	6H	18.85	19.48	19.89	20.51	21.92	20.24	20.87	21.28	21.90	23.31
	8H	18.88	19.48	19.93	20.53	21.93	20.26	20.86	21.31	21.91	23.31
	12H	18.88	19.44	19.93	20.49	21.91	20.25	20.81	21.30	21.86	23.28
4H	2H	18.12	18.80	19.16	19.83	21.22	19.03	19.71	20.07	20.75	22.14
	3H	19.50	20.07	20.55	21.13	22.53	20.49	21.06	21.54	22.12	23.52
	4H	19.95	20.47	21.01	21.53	22.95	20.96	21.48	22.02	22.54	23.96
	6H	20.18	20.63	21.25	21.70	23.12	21.18	21.63	22.25	22.71	24.13
	8H	20.24	20.65	21.30	21.72	23.16	21.23	21.65	22.30	22.71	24.15
	12H	20.23	20.61	21.32	21.69	23.14	21.22	21.59	22.30	22.67	24.12
8H	4H	20.33	20.75	21.40	21.82	23.25	21.15	21.57	22.22	22.64	24.08
	6H	20.68	21.02	21.77	22.14	23.57	21.47	21.81	22.56	22.92	24.35
	8H	20.80	21.10	21.89	22.19	23.65	21.56	21.86	22.66	22.96	24.41
	12H	20.83	21.10	21.93	22.19	23.68	21.57	21.84	22.67	22.93	24.42
12H	4H	20.33	20.71	21.42	21.79	23.23	21.12	21.50	22.21	22.58	24.02
	6H	20.75	21.05	21.85	22.15	23.60	21.48	21.79	22.58	22.88	24.33
	8H	20.89	21.16	21.99	22.25	23.74	21.59	21.86	22.70	22.95	24.44