

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: P1435849

Luminaire Tested: SQ2W-FA-K-125U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1435849  
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-L840-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: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

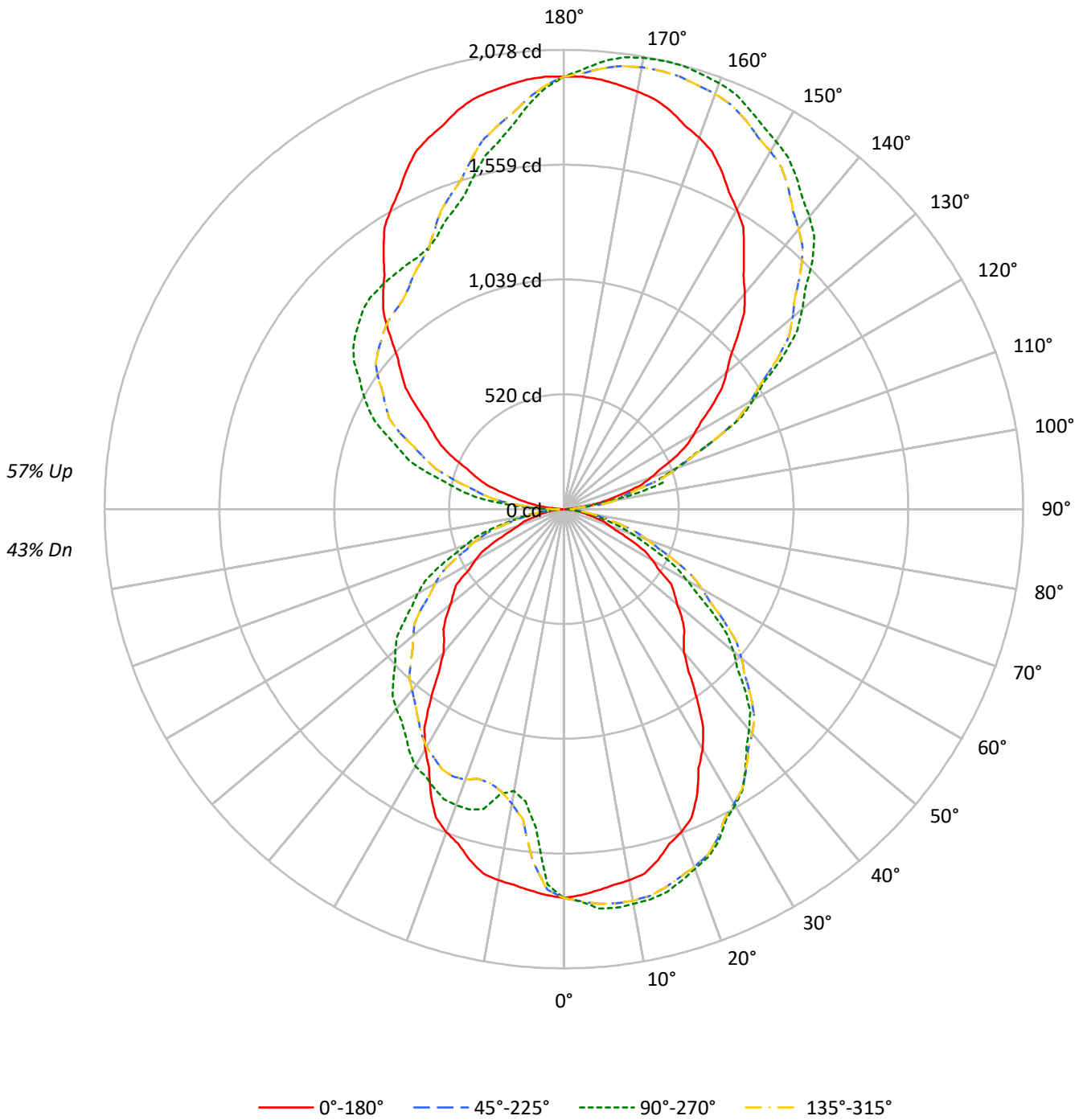
Lumens per Lamp: N/A  
Luminaire Lumens: 10090.4 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 81.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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°	28408	28408	28408	28408
5°	28074	29402	28074	23432
10°	27951	29741	27951	21244
15°	27473	29980	27473	23483
20°	26716	29762	26716	24489
25°	25391	29522	25391	24784
30°	23394	28862	23394	25047
35°	20700	28229	20700	24598
40°	17824	27454	17824	24866
45°	17595	26473	17595	24916
50°	16786	25181	16786	25010
55°	16701	23228	16701	24763
60°	14973	20702	14973	24664
65°	12768	18238	12768	23969
70°	10300	15451	10300	22215
75°	8933	12763	8933	20418
80°	7606	9512	7606	16485
85°	5057	5057	5057	10115

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 27302 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.3	1.6
10°-20°	442.4	4.4
20°-30°	671.8	6.7
30°-40°	788.7	7.8
40°-50°	800.4	7.9
50°-60°	701.1	6.9
60°-70°	497.3	4.9
70°-80°	256.0	2.5
80°-90°	61.8	0.6
90°-100°	155.7	1.5
100°-110°	454.1	4.5
110°-120°	741.1	7.3
120°-130°	940.4	9.3
130°-140°	1006.2	10.0
140°-150°	939.6	9.3
150°-160°	773.1	7.7
160°-170°	518.5	5.1
170°-180°	184.1	1.8
0°-30°	1272.5	12.6
0°-40°	2061.2	20.4
0°-60°	3562.6	35.3
0°-90°	4377.7	43.4
90°-120°	1350.9	13.4
90°-150°	4237.0	42.0
90°-180°	5713.0	56.6
0°-180°	10090.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1760	1760	1760	1760	1760	
5°	1732	1814	1732	1446	1732	164
15°	1644	1794	1644	1405	1644	462
25°	1425	1657	1425	1391	1425	651
35°	1050	1432	1050	1248	1050	654
45°	771	1159	771	1091	771	589
55°	593	825	593	880	593	513
65°	334	477	334	627	334	334
75°	143	205	143	327	143	155
85°	27	27	27	55	27	34
90°	6	44	6	85	6	5
95°	61	46	61	267	61	74
105°	288	462	288	636	288	307
115°	553	767	553	945	553	545
125°	818	1215	818	1158	818	732
135°	1113	1591	1113	1283	1113	860
145°	1421	1834	1421	1310	1421	889
155°	1688	1992	1688	1360	1688	776
165°	1866	2077	1866	1565	1866	525
175°	1951	2034	1951	1836	1951	185
180°	1956	1956	1956	1956	1956	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5
2.5°	1748.6	1760.7	1772.8	1775.9	1775.9	1775.9	1775.9	1775.9	1775.9	1775.9	1775.9
5°	1732.2	1753.4	1774.7	1784.5	1790.6	1795.1	1798.1	1801.9	1808.0	1814.1	1808.0
7.5°	1715.9	1744.3	1772.8	1786.8	1795.9	1803.1	1808.6	1813.5	1816.5	1819.5	1816.5
10°	1704.9	1738.3	1771.6	1786.8	1795.9	1801.9	1805.0	1808.0	1811.0	1814.1	1811.0
12.5°	1688.6	1724.3	1760.1	1777.7	1789.2	1796.5	1799.5	1802.5	1805.6	1808.6	1805.6
15°	1643.6	1692.1	1740.6	1759.5	1768.6	1776.2	1782.2	1787.5	1790.6	1793.6	1790.6
17.5°	1587.6	1646.4	1705.2	1729.0	1741.2	1750.0	1755.4	1760.1	1762.5	1765.0	1762.5
20°	1554.9	1618.6	1682.2	1707.2	1719.3	1726.9	1729.9	1732.2	1732.2	1732.2	1732.2
22.5°	1511.3	1582.2	1653.1	1679.9	1692.1	1698.4	1699.0	1700.1	1702.5	1704.9	1702.5
25°	1425.3	1507.2	1589.0	1623.1	1641.3	1648.9	1645.8	1645.1	1651.1	1657.2	1651.1
27.5°	1320.3	1423.4	1526.4	1561.3	1573.4	1581.0	1584.0	1586.3	1586.3	1586.3	1586.3
30°	1254.8	1370.0	1485.2	1523.1	1535.2	1542.8	1545.8	1548.1	1548.1	1548.1	1548.1
32.5°	1173.0	1310.0	1447.0	1488.5	1498.2	1503.4	1504.0	1504.4	1504.4	1504.4	1504.4
35°	1050.2	1216.9	1383.7	1429.9	1435.9	1439.0	1439.0	1438.2	1435.2	1432.2	1435.2
37.5°	927.5	1116.6	1305.8	1359.9	1369.0	1371.4	1367.1	1363.2	1360.2	1357.1	1360.2
40°	845.7	1051.8	1257.9	1316.2	1325.3	1325.3	1316.2	1308.6	1305.6	1302.6	1305.6
42.5°	802.0	1005.7	1209.4	1267.1	1276.2	1275.0	1263.5	1254.1	1251.0	1248.0	1251.0
45°	770.6	952.5	1134.4	1186.6	1195.7	1194.2	1182.1	1171.5	1165.4	1159.4	1165.4
47.5°	722.9	882.9	1043.0	1094.3	1109.5	1108.0	1089.8	1074.6	1068.6	1062.5	1068.6
50°	668.3	825.9	983.6	1034.3	1049.5	1048.0	1029.8	1014.6	1008.6	1002.5	1008.6
52.5°	630.1	778.1	926.0	972.5	985.2	981.3	960.7	943.7	937.6	931.6	937.6
55°	593.3	717.6	841.9	879.7	888.8	882.8	861.6	843.4	834.3	825.2	834.3
57.5°	507.4	625.6	743.8	780.6	790.3	783.1	758.8	738.0	727.7	717.4	727.7
60°	463.7	569.8	675.9	711.5	723.7	717.6	693.3	671.4	656.2	641.1	656.2
62.5°	414.6	508.6	602.6	638.8	655.8	652.1	627.9	605.9	590.7	575.6	590.7
65°	334.2	416.0	497.8	534.2	555.4	553.9	529.7	507.7	492.5	477.4	492.5
67.5°	261.9	332.2	402.5	438.3	462.5	461.3	434.6	411.6	399.5	387.4	399.5
70°	218.2	278.9	339.5	372.8	397.1	397.1	372.8	351.6	339.5	327.3	339.5
72.5°	191.0	237.0	283.1	314.6	341.3	341.3	314.6	292.2	282.5	272.8	282.5
75°	143.2	170.5	197.8	227.3	257.6	260.7	236.4	216.7	210.7	204.6	210.7
77.5°	103.7	116.4	129.1	152.3	179.0	182.0	161.4	145.3	142.9	140.5	142.9
80°	81.8	84.9	87.9	106.8	131.1	134.1	115.9	102.3	102.3	102.3	102.3
82.5°	54.6	57.6	60.6	74.1	91.1	92.9	79.6	69.0	66.5	64.1	66.5
85°	27.3	27.3	27.3	31.8	37.9	37.9	31.8	27.3	27.3	27.3	27.3
87.5°	6.6	8.2	10.2	13.6	17.2	17.6	15.2	13.8	14.2	14.2	14.2
90°	5.9	13.8	23.7	31.6	37.5	39.5	39.5	41.5	43.5	43.5	43.5
92.5°	21.7	34.4	34.8	34.8	42.3	45.9	49.0	49.4	51.4	51.4	51.4
95°	61.3	67.2	100.8	98.8	67.2	53.4	45.5	45.5	45.5	45.5	45.5
97.5°	117.0	125.7	131.2	175.9	185.8	179.4	146.2	122.9	109.9	104.0	109.9
100°	166.0	170.0	181.8	183.8	233.2	280.6	256.9	227.3	217.4	211.5	217.4
102.5°	215.0	217.4	235.6	243.9	255.3	282.2	364.4	355.3	348.6	347.4	348.6
105°	288.5	290.5	324.1	339.9	347.8	347.8	345.9	385.4	448.6	462.5	448.6
107.5°	367.2	376.3	415.8	458.1	467.2	469.6	459.3	453.4	451.0	452.6	451.0
110°	421.0	434.8	482.2	535.6	549.4	553.4	549.4	543.5	539.5	539.5	539.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	473.1	493.3	547.0	608.3	631.6	643.5	634.8	630.4	626.5	629.7	626.5
115°	553.4	583.0	654.2	717.4	764.8	770.8	768.8	768.8	766.8	766.8	766.8
117.5°	627.7	675.1	754.9	828.5	883.4	899.2	907.1	904.8	902.4	906.3	902.4
120°	679.8	735.2	826.1	909.1	962.5	986.2	994.1	990.1	994.1	990.1	994.1
122.5°	735.2	803.2	892.5	978.7	1041.5	1068.4	1077.9	1078.7	1079.5	1077.1	1079.5
125°	818.2	901.2	1005.9	1094.9	1160.1	1191.7	1199.6	1201.6	1205.5	1215.4	1205.5
127.5°	902.0	996.1	1111.1	1196.9	1263.7	1302.0	1314.2	1318.6	1326.9	1331.2	1326.9
130°	960.5	1067.2	1183.8	1264.8	1330.1	1371.6	1393.3	1399.2	1409.1	1407.1	1409.1
132.5°	1022.1	1133.6	1251.8	1336.0	1396.5	1441.1	1459.7	1476.7	1480.3	1483.0	1480.3
135°	1112.7	1233.2	1351.8	1434.8	1492.1	1535.6	1559.3	1575.1	1585.0	1590.9	1585.0
137.5°	1207.9	1335.2	1449.0	1522.9	1580.7	1618.2	1645.1	1661.7	1672.0	1676.7	1672.0
140°	1272.7	1395.3	1505.9	1583.0	1634.4	1672.0	1695.7	1715.4	1727.3	1727.3	1727.3
142.5°	1334.4	1455.4	1562.9	1639.9	1685.0	1719.4	1744.7	1759.7	1773.1	1773.1	1773.1
145°	1421.0	1541.5	1640.3	1717.4	1755.0	1786.6	1814.3	1826.1	1834.0	1834.0	1834.0
147.5°	1511.5	1618.2	1708.3	1782.2	1813.9	1851.0	1872.7	1882.2	1892.1	1887.8	1892.1
150°	1565.2	1664.1	1751.0	1820.2	1851.8	1887.4	1909.1	1917.0	1926.9	1921.0	1926.9
152.5°	1617.4	1711.5	1790.5	1855.0	1881.8	1917.4	1942.3	1950.2	1956.9	1952.6	1956.9
155°	1687.8	1770.8	1843.9	1903.2	1926.9	1960.5	1984.2	1994.1	2002.0	1992.1	2002.0
157.5°	1750.6	1822.2	1885.8	1940.3	1965.6	1994.5	2016.6	2028.9	2036.8	2032.4	2036.8
160°	1788.6	1853.8	1911.1	1962.5	1986.2	2011.9	2035.6	2049.4	2057.3	2051.4	2057.3
162.5°	1820.2	1879.1	1933.2	1979.9	2000.4	2022.9	2051.4	2063.7	2071.6	2064.1	2071.6
165°	1865.6	1913.1	1960.5	2000.0	2017.8	2035.6	2065.2	2079.1	2085.0	2077.1	2085.0
167.5°	1900.0	1936.4	1974.7	2008.7	2021.8	2039.2	2068.8	2080.3	2087.8	2077.9	2087.8
170°	1919.0	1950.6	1984.2	2011.9	2021.8	2037.6	2067.2	2077.1	2083.0	2073.1	2083.0
172.5°	1934.8	1958.5	1985.8	2010.3	2015.4	2028.1	2056.2	2066.0	2070.4	2062.1	2070.4
175°	1950.6	1964.5	1984.2	2000.0	1998.0	2006.0	2029.7	2037.6	2045.5	2033.6	2045.5
177.5°	1958.1	1964.5	1970.8	1980.3	1973.9	1973.9	1991.3	1996.1	1997.7	1991.3	1997.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5
2.5°	1775.9	1775.9	1775.9	1775.9	1775.9	1772.8	1760.7	1748.6	1748.6	1748.6	1739.5
5°	1801.9	1798.1	1795.1	1790.6	1784.5	1774.7	1753.4	1732.2	1723.1	1714.0	1675.4
7.5°	1813.5	1808.6	1803.1	1795.9	1786.8	1772.8	1744.3	1715.9	1675.2	1634.6	1548.5
10°	1808.0	1805.0	1801.9	1795.9	1786.8	1771.6	1738.3	1704.9	1623.1	1541.3	1459.4
12.5°	1802.5	1799.5	1796.5	1789.2	1777.7	1760.1	1724.3	1688.6	1572.8	1457.0	1383.0
15°	1787.5	1782.2	1776.2	1768.6	1759.5	1740.6	1692.1	1643.6	1513.2	1382.9	1320.8
17.5°	1760.1	1755.4	1750.0	1741.2	1729.0	1705.2	1646.4	1587.6	1451.2	1314.9	1274.8
20°	1732.2	1729.9	1726.9	1719.3	1707.2	1682.2	1618.6	1554.9	1418.5	1282.1	1263.9
22.5°	1700.1	1699.0	1698.4	1692.1	1679.9	1653.1	1582.2	1511.3	1377.3	1243.3	1243.9
25°	1645.1	1645.8	1648.9	1641.3	1623.1	1589.0	1507.2	1425.3	1307.1	1188.9	1209.4
27.5°	1586.3	1584.0	1581.0	1573.4	1561.3	1526.4	1423.4	1320.3	1227.0	1133.6	1167.5
30°	1548.1	1545.8	1542.8	1535.2	1523.1	1485.2	1370.0	1254.8	1176.0	1097.2	1136.6
32.5°	1504.4	1504.0	1503.4	1498.2	1488.5	1447.0	1310.0	1173.0	1116.0	1059.0	1100.3
35°	1438.2	1439.0	1439.0	1435.9	1429.9	1383.7	1216.9	1050.2	1026.0	1001.7	1050.2
37.5°	1363.2	1367.1	1371.4	1369.0	1359.9	1305.8	1116.6	927.5	935.4	943.2	1002.1
40°	1308.6	1316.2	1325.3	1325.3	1316.2	1257.9	1051.8	845.7	872.9	900.2	963.9
42.5°	1254.1	1263.5	1275.0	1276.2	1267.1	1209.4	1005.7	802.0	831.7	861.4	927.5
45°	1171.5	1182.1	1194.2	1195.7	1186.6	1134.4	952.5	770.6	788.8	807.0	870.7
47.5°	1074.6	1089.8	1108.0	1109.5	1094.3	1043.0	882.9	722.9	736.2	749.6	814.7
50°	1014.6	1029.8	1048.0	1049.5	1034.3	983.6	825.9	668.3	686.5	704.7	772.9
52.5°	943.7	960.7	981.3	985.2	972.5	926.0	778.1	630.1	641.1	652.0	725.6
55°	843.4	861.6	882.8	888.8	879.7	841.9	717.6	593.3	584.2	575.1	650.2
57.5°	738.0	758.8	783.1	790.3	780.6	743.8	625.6	507.4	499.5	491.6	572.9
60°	671.4	693.3	717.6	723.7	711.5	675.9	569.8	463.7	448.6	433.4	518.3
62.5°	605.9	627.9	652.1	655.8	638.8	602.6	508.6	414.6	404.3	394.0	476.5
65°	507.7	529.7	553.9	555.4	534.2	497.8	416.0	334.2	340.2	346.3	420.6
67.5°	411.6	434.6	461.3	462.5	438.3	402.5	332.2	261.9	281.9	301.9	368.7
70°	351.6	372.8	397.1	397.1	372.8	339.5	278.9	218.2	245.5	272.8	334.2
72.5°	292.2	314.6	341.3	341.3	314.6	283.1	237.0	191.0	218.2	245.5	296.0
75°	216.7	236.4	260.7	257.6	227.3	197.8	170.5	143.2	170.5	197.8	236.4
77.5°	145.3	161.4	182.0	179.0	152.3	129.1	116.4	103.7	126.1	148.5	175.5
80°	102.3	115.9	134.1	131.1	106.8	87.9	84.9	81.8	97.0	112.1	131.8
82.5°	69.0	79.6	92.9	91.1	74.1	60.6	57.6	54.6	67.3	80.0	93.7
85°	27.3	31.8	37.9	37.9	31.8	27.3	27.3	27.3	33.3	39.4	45.5
87.5°	13.8	15.2	17.6	17.2	13.6	10.2	8.2	6.6	10.6	14.7	18.0
90°	41.5	39.5	39.5	37.5	31.6	23.7	13.8	5.9	13.8	21.7	35.6
92.5°	49.4	49.0	45.9	42.3	34.8	34.8	34.4	21.7	37.5	53.4	76.7
95°	45.5	45.5	53.4	67.2	98.8	100.8	67.2	61.3	87.0	122.5	154.2
97.5°	122.9	146.2	179.4	185.8	175.9	131.2	125.7	117.0	159.3	194.5	245.5
100°	227.3	256.9	280.6	233.2	183.8	181.8	170.0	166.0	211.5	245.1	294.5
102.5°	355.3	364.4	282.2	255.3	243.9	235.6	217.4	215.0	260.5	306.7	348.2
105°	385.4	345.9	347.8	347.8	339.9	324.1	290.5	288.5	339.9	393.3	444.7
107.5°	453.4	459.3	469.6	467.2	458.1	415.8	376.3	367.2	413.4	477.5	534.0
110°	543.5	549.4	553.4	549.4	535.6	482.2	434.8	421.0	462.5	529.7	590.9



TEST NUMBER: P1435849

CATALOG NUMBER: SQ2W-FA-K-125U-100D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	630.4	634.8	643.5	631.6	608.3	547.0	493.3	473.1	514.6	583.4	646.3
115°	768.8	768.8	770.8	764.8	717.4	654.2	583.0	553.4	588.9	652.2	721.4
117.5°	904.8	907.1	899.2	883.4	828.5	754.9	675.1	627.7	655.7	722.5	793.7
120°	990.1	994.1	986.2	962.5	909.1	826.1	735.2	679.8	701.6	766.8	838.0
122.5°	1078.7	1077.9	1068.4	1041.5	978.7	892.5	803.2	735.2	744.3	804.8	874.3
125°	1201.6	1199.6	1191.7	1160.1	1094.9	1005.9	901.2	818.2	806.3	857.7	928.9
127.5°	1318.6	1314.2	1302.0	1263.7	1196.9	1111.1	996.1	902.0	875.5	907.9	973.1
130°	1399.2	1393.3	1371.6	1330.1	1264.8	1183.8	1067.2	960.5	922.9	942.7	1000.0
132.5°	1476.7	1459.7	1441.1	1396.5	1336.0	1251.8	1133.6	1022.1	970.4	979.1	1023.7
135°	1575.1	1559.3	1535.6	1492.1	1434.8	1351.8	1233.2	1112.7	1041.5	1033.6	1059.3
137.5°	1661.7	1645.1	1618.2	1580.7	1522.9	1449.0	1335.2	1207.9	1118.2	1091.7	1101.6
140°	1715.4	1695.7	1672.0	1634.4	1583.0	1505.9	1395.3	1272.7	1172.0	1134.4	1128.5
142.5°	1759.7	1744.7	1719.4	1685.0	1639.9	1562.9	1455.4	1334.4	1227.3	1178.7	1164.8
145°	1826.1	1814.3	1786.6	1755.0	1717.4	1640.3	1541.5	1421.0	1314.2	1251.0	1221.4
147.5°	1882.2	1872.7	1851.0	1813.9	1782.2	1708.3	1618.2	1511.5	1402.0	1323.7	1285.4
150°	1917.0	1909.1	1887.4	1851.8	1820.2	1751.0	1664.1	1565.2	1460.5	1377.5	1328.1
152.5°	1950.2	1942.3	1917.4	1881.8	1855.0	1790.5	1711.5	1617.4	1511.1	1428.1	1377.1
155°	1994.1	1984.2	1960.5	1926.9	1903.2	1843.9	1770.8	1687.8	1596.9	1509.9	1452.6
157.5°	2028.9	2016.6	1994.5	1965.6	1940.3	1885.8	1822.2	1750.6	1671.2	1588.2	1529.7
160°	2049.4	2035.6	2011.9	1986.2	1962.5	1911.1	1853.8	1788.6	1715.4	1640.3	1577.1
162.5°	2063.7	2051.4	2022.9	2000.4	1979.9	1933.2	1879.1	1820.2	1755.0	1689.3	1630.8
165°	2079.1	2065.2	2035.6	2017.8	2000.0	1960.5	1913.1	1865.6	1810.3	1756.9	1709.5
167.5°	2080.3	2068.8	2039.2	2021.8	2008.7	1974.7	1936.4	1900.0	1856.9	1815.0	1775.5
170°	2077.1	2067.2	2037.6	2021.8	2011.9	1984.2	1950.6	1919.0	1885.4	1849.8	1818.2
172.5°	2066.0	2056.2	2028.1	2015.4	2010.3	1985.8	1958.5	1934.8	1906.0	1879.9	1854.6
175°	2037.6	2029.7	2006.0	1998.0	2000.0	1984.2	1964.5	1950.6	1932.8	1917.0	1903.2
177.5°	1996.1	1991.3	1973.9	1973.9	1980.3	1970.8	1964.5	1958.1	1950.2	1945.5	1940.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1435849

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**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5	1759.5
2.5°	1727.4	1717.7	1710.4	1704.3	1701.9	1699.5	1701.9	1704.3	1710.4	1717.7	1727.4
5°	1626.9	1575.4	1520.8	1476.1	1460.9	1445.8	1460.9	1476.1	1520.8	1575.4	1626.9
7.5°	1447.3	1385.2	1362.1	1343.6	1338.8	1333.9	1338.8	1343.6	1362.1	1385.2	1447.3
10°	1377.6	1327.6	1309.4	1295.8	1295.8	1295.8	1295.8	1295.8	1309.4	1327.6	1377.6
12.5°	1323.0	1292.4	1291.2	1293.3	1305.5	1317.6	1305.5	1293.3	1291.2	1292.4	1323.0
15°	1281.4	1285.9	1334.4	1374.6	1389.7	1404.9	1389.7	1374.6	1334.4	1285.9	1281.4
17.5°	1267.0	1293.0	1353.0	1401.1	1413.2	1425.3	1413.2	1401.1	1353.0	1293.0	1267.0
20°	1285.1	1318.5	1364.0	1401.1	1413.2	1425.3	1413.2	1401.1	1364.0	1318.5	1285.1
22.5°	1289.4	1330.0	1365.8	1395.6	1407.8	1419.9	1407.8	1395.6	1365.8	1330.0	1289.4
25°	1276.1	1324.5	1354.9	1379.1	1385.2	1391.2	1385.2	1379.1	1354.9	1324.5	1276.1
27.5°	1243.9	1297.3	1327.6	1351.4	1355.6	1359.9	1355.6	1351.4	1327.6	1297.3	1243.9
30°	1215.4	1270.0	1300.3	1325.3	1334.4	1343.5	1334.4	1325.3	1300.3	1270.0	1215.4
32.5°	1174.2	1230.0	1267.6	1296.2	1298.0	1299.8	1298.0	1296.2	1267.6	1230.0	1174.2
35°	1123.0	1180.6	1223.0	1254.1	1251.0	1248.0	1251.0	1254.1	1223.0	1180.6	1123.0
37.5°	1077.8	1134.2	1171.2	1199.8	1203.5	1207.1	1203.5	1199.8	1171.2	1134.2	1077.8
40°	1039.6	1097.2	1136.6	1167.7	1173.8	1179.8	1173.8	1167.7	1136.6	1097.2	1039.6
42.5°	1005.7	1064.5	1103.9	1135.0	1141.0	1147.1	1141.0	1135.0	1103.9	1064.5	1005.7
45°	949.5	1010.1	1052.5	1085.1	1088.1	1091.2	1088.1	1085.1	1052.5	1010.1	949.5
47.5°	897.2	958.1	997.5	1027.8	1030.8	1033.9	1030.8	1027.8	997.5	958.1	897.2
50°	857.8	919.9	959.3	989.6	992.7	995.7	992.7	989.6	959.3	919.9	857.8
52.5°	820.2	884.8	919.3	946.0	949.0	952.0	949.0	946.0	919.3	884.8	820.2
55°	753.2	821.4	854.7	879.7	879.7	879.7	879.7	854.7	821.4	753.2	753.2
57.5°	683.8	753.8	782.9	805.6	809.3	812.9	809.3	805.6	782.9	753.8	683.8
60°	636.5	707.7	732.0	751.7	757.8	763.8	757.8	751.7	732.0	707.7	636.5
62.5°	589.8	658.6	682.9	702.0	705.6	709.3	705.6	702.0	682.9	658.6	589.8
65°	517.5	578.2	602.4	621.4	624.4	627.4	624.4	621.4	602.4	578.2	517.5
67.5°	451.2	500.9	517.8	531.2	533.6	536.0	533.6	531.2	517.8	500.9	451.2
70°	406.9	449.3	461.5	470.6	470.6	470.6	470.6	461.5	449.3	406.9	406.9
72.5°	354.2	389.3	401.5	411.2	413.6	416.0	413.6	411.2	401.5	389.3	354.2
75°	278.9	304.6	313.7	321.3	324.3	327.3	324.3	321.3	313.7	304.6	278.9
77.5°	204.0	221.0	226.4	231.3	234.3	237.3	234.3	231.3	226.4	221.0	204.0
80°	153.1	165.2	168.2	171.3	174.3	177.3	174.3	171.3	168.2	165.2	153.1
82.5°	107.6	116.1	119.1	121.5	122.1	122.8	122.1	121.5	119.1	116.1	107.6
85°	51.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	51.5
87.5°	20.0	22.8	25.5	27.1	28.7	27.9	28.7	27.1	25.5	22.8	20.0
90°	45.5	59.3	73.1	81.0	88.9	85.0	88.9	81.0	73.1	59.3	45.5
92.5°	91.3	114.6	131.6	145.9	152.2	151.4	152.2	145.9	131.6	114.6	91.3
95°	183.8	211.5	239.1	258.9	270.8	266.8	270.8	258.9	239.1	211.5	183.8
97.5°	283.4	320.6	351.4	370.0	381.8	389.7	381.8	370.0	351.4	320.6	283.4
100°	349.8	385.4	421.0	442.7	462.5	470.4	462.5	442.7	421.0	385.4	349.8
102.5°	403.6	450.2	488.9	512.3	528.9	536.8	528.9	512.3	488.9	450.2	403.6
105°	492.1	541.5	583.0	612.7	630.4	636.4	630.4	612.7	583.0	541.5	492.1
107.5°	580.6	631.6	670.0	702.8	724.5	737.2	724.5	702.8	670.0	631.6	580.6
110°	650.2	691.7	733.2	762.9	784.6	792.5	784.6	762.9	733.2	691.7	650.2



TEST NUMBER: P1435849

CATALOG NUMBER: SQ2W-FA-K-125U-100D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	708.7	754.9	796.5	826.1	851.0	862.1	851.0	826.1	796.5	754.9	708.7
115°	790.5	851.8	889.3	917.0	934.8	944.7	934.8	917.0	889.3	851.8	790.5
117.5°	858.5	922.5	963.6	985.0	993.3	1000.4	993.3	985.0	963.6	922.5	858.5
120°	901.2	960.5	1007.9	1035.6	1045.5	1049.4	1045.5	1035.6	1007.9	960.5	901.2
122.5°	940.7	996.8	1042.7	1076.7	1092.9	1096.9	1092.9	1076.7	1042.7	996.8	940.7
125°	996.1	1049.4	1096.9	1130.4	1148.2	1158.1	1148.2	1130.4	1096.9	1049.4	996.1
127.5°	1044.3	1102.0	1145.5	1175.9	1193.3	1201.2	1193.3	1175.9	1145.5	1102.0	1044.3
130°	1071.2	1130.4	1173.9	1207.5	1223.3	1231.2	1223.3	1207.5	1173.9	1130.4	1071.2
132.5°	1091.7	1154.2	1199.2	1229.7	1247.1	1255.0	1247.1	1229.7	1199.2	1154.2	1091.7
135°	1116.6	1181.8	1229.3	1258.9	1274.7	1282.6	1274.7	1258.9	1229.3	1181.8	1116.6
137.5°	1138.4	1197.6	1247.1	1278.3	1292.5	1297.6	1292.5	1278.3	1247.1	1197.6	1138.4
140°	1154.2	1205.5	1255.0	1284.6	1300.4	1302.4	1300.4	1284.6	1255.0	1205.5	1154.2
142.5°	1174.7	1215.0	1258.1	1287.8	1303.6	1307.1	1303.6	1287.8	1258.1	1215.0	1174.7
145°	1211.5	1235.2	1264.8	1292.5	1306.3	1310.3	1306.3	1292.5	1264.8	1235.2	1211.5
147.5°	1257.7	1265.2	1280.6	1298.8	1312.3	1315.0	1312.3	1298.8	1280.6	1265.2	1257.7
150°	1292.5	1290.5	1296.5	1308.3	1320.2	1318.2	1320.2	1308.3	1296.5	1290.5	1292.5
152.5°	1332.0	1320.6	1320.2	1325.7	1331.2	1330.8	1331.2	1325.7	1320.2	1320.6	1332.0
155°	1399.2	1377.5	1365.6	1361.7	1361.7	1359.7	1361.7	1361.7	1365.6	1377.5	1399.2
157.5°	1473.1	1442.7	1424.9	1415.4	1412.7	1408.3	1412.7	1415.4	1424.9	1442.7	1473.1
160°	1523.7	1490.1	1472.3	1456.5	1450.6	1444.7	1450.6	1456.5	1472.3	1490.1	1523.7
162.5°	1571.2	1539.1	1519.8	1505.6	1499.6	1490.5	1499.6	1505.6	1519.8	1539.1	1571.2
165°	1648.2	1614.6	1592.9	1581.0	1573.1	1565.2	1573.1	1581.0	1592.9	1614.6	1648.2
167.5°	1725.3	1688.6	1674.3	1660.9	1653.4	1639.1	1653.4	1660.9	1674.3	1688.6	1725.3
170°	1772.7	1739.2	1731.2	1719.4	1705.6	1689.7	1705.6	1719.4	1731.2	1739.2	1772.7
172.5°	1813.9	1791.3	1783.4	1771.6	1767.2	1754.6	1767.2	1771.6	1783.4	1791.3	1813.9
175°	1873.5	1855.8	1855.8	1853.8	1847.8	1836.0	1847.8	1853.8	1855.8	1855.8	1873.5
177.5°	1923.3	1913.9	1920.2	1920.2	1918.6	1907.5	1918.6	1920.2	1920.2	1913.9	1923.3
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1435849

CATALOG NUMBER: SQ2W-FA-K-125U-100D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1759.5	1759.5	1759.5	1759.5
2.5°	1739.5	1748.6	1748.6	1748.6
5°	1675.4	1714.0	1723.1	1732.2
7.5°	1548.5	1634.6	1675.2	1715.9
10°	1459.4	1541.3	1623.1	1704.9
12.5°	1383.0	1457.0	1572.8	1688.6
15°	1320.8	1382.9	1513.2	1643.6
17.5°	1274.8	1314.9	1451.2	1587.6
20°	1263.9	1282.1	1418.5	1554.9
22.5°	1243.9	1243.3	1377.3	1511.3
25°	1209.4	1188.9	1307.1	1425.3
27.5°	1167.5	1133.6	1227.0	1320.3
30°	1136.6	1097.2	1176.0	1254.8
32.5°	1100.3	1059.0	1116.0	1173.0
35°	1050.2	1001.7	1026.0	1050.2
37.5°	1002.1	943.2	935.4	927.5
40°	963.9	900.2	872.9	845.7
42.5°	927.5	861.4	831.7	802.0
45°	870.7	807.0	788.8	770.6
47.5°	814.7	749.6	736.2	722.9
50°	772.9	704.7	686.5	668.3
52.5°	725.6	652.0	641.1	630.1
55°	650.2	575.1	584.2	593.3
57.5°	572.9	491.6	499.5	507.4
60°	518.3	433.4	448.6	463.7
62.5°	476.5	394.0	404.3	414.6
65°	420.6	346.3	340.2	334.2
67.5°	368.7	301.9	281.9	261.9
70°	334.2	272.8	245.5	218.2
72.5°	296.0	245.5	218.2	191.0
75°	236.4	197.8	170.5	143.2
77.5°	175.5	148.5	126.1	103.7
80°	131.8	112.1	97.0	81.8
82.5°	93.7	80.0	67.3	54.6
85°	45.5	39.4	33.3	27.3
87.5°	18.0	14.7	10.6	6.6
90°	35.6	21.7	13.8	5.9
92.5°	76.7	53.4	37.5	21.7
95°	154.2	122.5	87.0	61.3
97.5°	245.5	194.5	159.3	117.0
100°	294.5	245.1	211.5	166.0
102.5°	348.2	306.7	260.5	215.0
105°	444.7	393.3	339.9	288.5
107.5°	534.0	477.5	413.4	367.2
110°	590.9	529.7	462.5	421.0



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**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	646.3	583.4	514.6	473.1
115°	721.4	652.2	588.9	553.4
117.5°	793.7	722.5	655.7	627.7
120°	838.0	766.8	701.6	679.8
122.5°	874.3	804.8	744.3	735.2
125°	928.9	857.7	806.3	818.2
127.5°	973.1	907.9	875.5	902.0
130°	1000.0	942.7	922.9	960.5
132.5°	1023.7	979.1	970.4	1022.1
135°	1059.3	1033.6	1041.5	1112.7
137.5°	1101.6	1091.7	1118.2	1207.9
140°	1128.5	1134.4	1172.0	1272.7
142.5°	1164.8	1178.7	1227.3	1334.4
145°	1221.4	1251.0	1314.2	1421.0
147.5°	1285.4	1323.7	1402.0	1511.5
150°	1328.1	1377.5	1460.5	1565.2
152.5°	1377.1	1428.1	1511.1	1617.4
155°	1452.6	1509.9	1596.9	1687.8
157.5°	1529.7	1588.2	1671.2	1750.6
160°	1577.1	1640.3	1715.4	1788.6
162.5°	1630.8	1689.3	1755.0	1820.2
165°	1709.5	1756.9	1810.3	1865.6
167.5°	1775.5	1815.0	1856.9	1900.0
170°	1818.2	1849.8	1885.4	1919.0
172.5°	1854.6	1879.9	1906.0	1934.8
175°	1903.2	1917.0	1932.8	1950.6
177.5°	1940.7	1945.5	1950.2	1958.1
180°	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1435849  
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**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	17.36	18.16	18.37	19.18	20.55	18.56	19.36	19.57	20.38	21.75
	3H	18.44	19.16	19.47	20.19	21.58	19.80	20.52	20.82	21.55	22.93
	4H	18.79	19.47	19.83	20.51	21.90	20.18	20.87	21.22	21.90	23.29
	6H	18.95	19.58	20.00	20.62	22.02	20.34	20.97	21.39	22.01	23.41
	8H	18.98	19.58	20.03	20.64	22.03	20.36	20.96	21.42	22.02	23.41
	12H	18.98	19.55	20.03	20.59	22.02	20.35	20.91	21.40	21.96	23.38
4H	2H	18.22	18.90	19.26	19.93	21.32	19.13	19.82	20.18	20.85	22.24
	3H	19.60	20.17	20.65	21.23	22.64	20.59	21.16	21.64	22.22	23.63
	4H	20.06	20.58	21.11	21.63	23.05	21.07	21.59	22.12	22.64	24.06
	6H	20.28	20.73	21.35	21.80	23.22	21.28	21.73	22.35	22.81	24.23
	8H	20.34	20.75	21.40	21.82	23.26	21.33	21.75	22.40	22.82	24.25
	12H	20.34	20.71	21.42	21.80	23.24	21.32	21.69	22.40	22.78	24.22
8H	4H	20.43	20.85	21.50	21.92	23.36	21.26	21.67	22.32	22.74	24.18
	6H	20.78	21.13	21.87	22.24	23.67	21.57	21.91	22.66	23.02	24.46
	8H	20.90	21.20	22.00	22.29	23.75	21.66	21.97	22.76	23.06	24.51
	12H	20.93	21.20	22.03	22.29	23.78	21.68	21.94	22.78	23.03	24.52
12H	4H	20.43	20.81	21.52	21.89	23.34	21.22	21.60	22.31	22.68	24.12
	6H	20.85	21.15	21.95	22.25	23.70	21.59	21.89	22.68	22.98	24.43
	8H	21.00	21.26	22.10	22.35	23.84	21.70	21.96	22.80	23.05	24.54