

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: P1427818

Luminaire Tested: SQ2W-F-K-150U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427818  
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-125D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1500 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

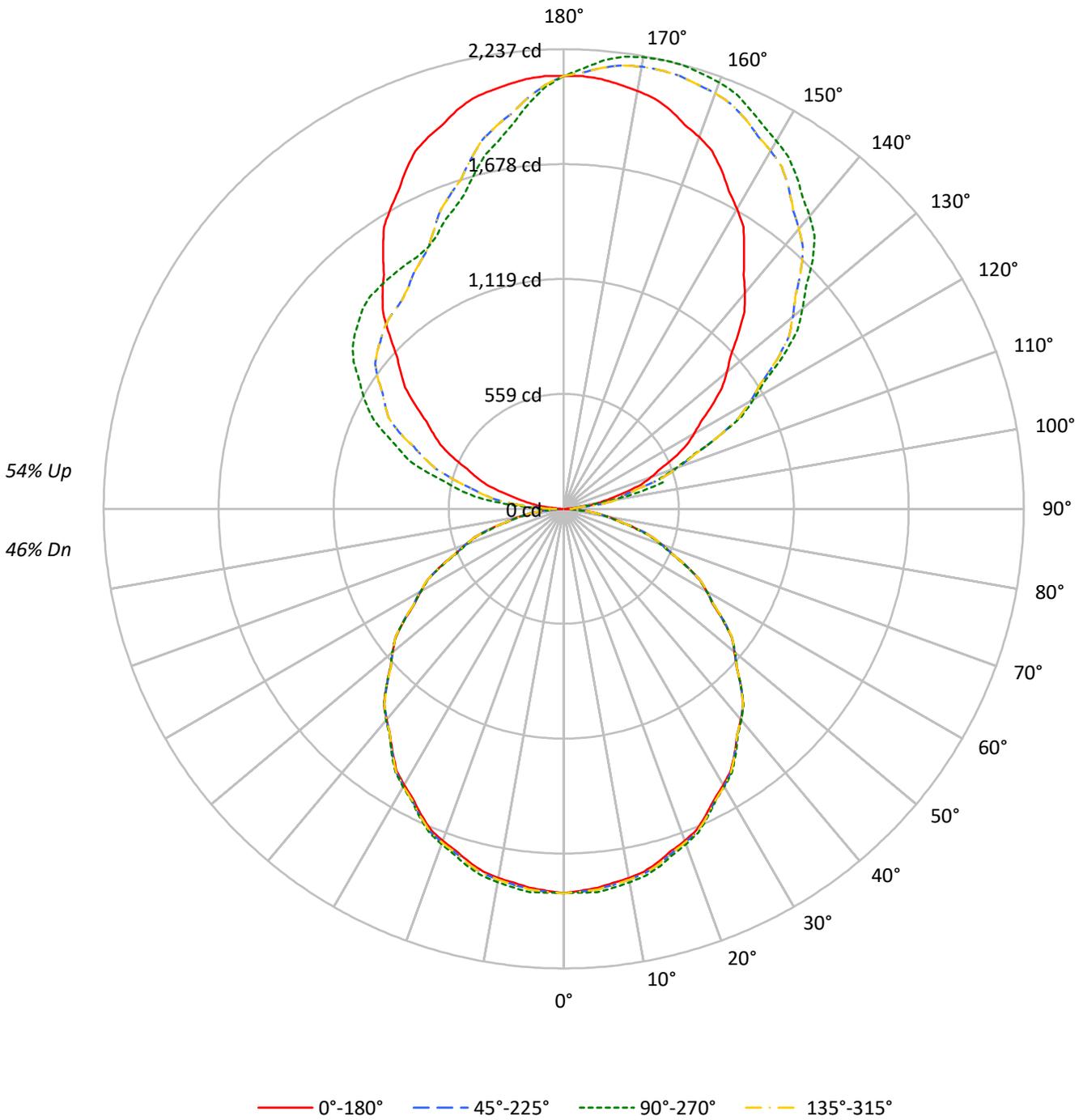
Lumens per Lamp: N/A  
Luminaire Lumens: 11422.6 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 104.3  
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-F-K-150U-125D-L940-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	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46
1	97	92	88	85	89	85	82	79	71	69	66	58	56	55	46	45	44	39
2	88	80	74	69	80	74	69	64	62	58	55	51	48	46	40	39	37	32
3	80	71	63	57	73	65	59	53	54	50	46	45	41	38	36	33	31	27
4	73	62	54	48	67	57	51	45	48	43	39	40	36	33	32	29	27	23
5	67	55	47	41	61	51	44	39	43	38	33	36	31	28	29	26	23	20
6	62	50	42	36	56	46	39	33	39	33	29	32	28	25	26	23	20	17
7	57	45	37	31	52	41	34	29	35	30	25	29	25	22	24	20	18	15
8	53	41	33	27	48	38	31	26	32	26	23	27	22	19	22	18	16	14
9	49	37	29	24	45	34	28	23	29	24	20	24	20	17	20	17	14	12
10	46	34	27	22	42	31	25	21	27	22	18	23	18	16	18	15	13	11

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

	0°	90°	180°	270°
0°	30197	30197	30197	30197
5°	30013	30355	30013	30355
10°	29907	30251	29907	30251
15°	29743	30117	29743	30117
20°	29554	29848	29554	29848
25°	29236	29494	29236	29494
30°	28925	29123	28925	29123
35°	28556	28737	28556	28737
40°	28232	28314	28232	28314
45°	27818	27818	27818	27818
50°	27261	27326	27261	27326
55°	26620	26657	26620	26657
60°	25901	25901	25901	25901
65°	25058	24958	25058	24958
70°	23877	23627	23877	23627
75°	22264	21771	22264	21771
80°	19842	18856	19842	18856
85°	15857	13412	15857	13412

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 28005 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.0	1.5
10°-20°	505.6	4.4
20°-30°	761.1	6.7
30°-40°	910.2	8.0
40°-50°	939.9	8.2
50°-60°	847.7	7.4
60°-70°	649.4	5.7
70°-80°	375.3	3.3
80°-90°	106.2	0.9
90°-100°	167.6	1.5
100°-110°	488.9	4.3
110°-120°	797.8	7.0
120°-130°	1012.4	8.9
130°-140°	1083.3	9.5
140°-150°	1011.5	8.9
150°-160°	832.4	7.3
160°-170°	558.2	4.9
170°-180°	198.2	1.7
0°-30°	1443.7	12.6
0°-40°	2353.9	20.6
0°-60°	4141.5	36.3
0°-90°	5272.3	46.2
90°-120°	1454.3	12.7
90°-150°	4561.5	39.9
90°-180°	6150.0	53.8
0°-180°	11422.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1870	1870	1870	1870	1870	
5°	1852	1873	1852	1873	1852	176
15°	1779	1802	1779	1802	1779	502
25°	1641	1656	1641	1656	1641	756
35°	1449	1458	1449	1458	1449	907
45°	1218	1218	1218	1218	1218	939
55°	946	947	946	947	946	845
65°	656	653	656	653	656	648
75°	357	349	357	349	357	378
85°	86	72	86	72	86	100
90°	6	47	6	92	6	9
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°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1860.8	1869.7	1878.6	1874.8	1866.9	1863.8	1865.7	1867.3	1868.3	1869.2	1868.3
5°	1851.8	1863.5	1875.2	1871.1	1861.8	1857.7	1858.8	1861.2	1867.0	1872.9	1867.0
7.5°	1836.8	1848.5	1860.2	1856.5	1847.6	1843.8	1845.2	1847.8	1853.9	1860.0	1853.9
10°	1824.2	1835.9	1847.6	1843.5	1834.1	1830.6	1832.9	1835.9	1840.5	1845.2	1840.5
12.5°	1808.4	1820.1	1831.8	1828.4	1819.9	1816.4	1817.8	1820.2	1825.3	1830.5	1825.3
15°	1779.4	1791.1	1802.8	1799.6	1791.4	1788.2	1789.9	1792.4	1797.1	1801.8	1797.1
17.5°	1744.3	1755.3	1766.4	1763.4	1755.8	1753.0	1755.0	1757.5	1761.6	1765.7	1761.6
20°	1720.1	1730.6	1741.2	1738.1	1730.5	1727.0	1727.6	1729.0	1733.1	1737.2	1733.1
22.5°	1690.6	1701.1	1711.7	1709.0	1701.8	1697.6	1696.3	1696.6	1701.6	1706.7	1701.6
25°	1641.1	1651.6	1662.2	1660.0	1653.5	1649.4	1647.7	1647.4	1651.5	1655.6	1651.5
27.5°	1589.5	1598.2	1607.0	1605.2	1599.8	1596.5	1595.3	1595.2	1598.1	1601.0	1598.1
30°	1551.5	1560.3	1569.1	1566.9	1561.0	1557.5	1556.4	1556.2	1559.1	1562.1	1559.1
32.5°	1511.5	1519.8	1528.1	1525.1	1518.3	1514.8	1514.6	1515.2	1518.6	1522.0	1518.6
35°	1448.8	1455.8	1462.8	1459.8	1453.3	1450.4	1451.0	1452.2	1455.1	1458.0	1455.1
37.5°	1385.8	1391.2	1396.6	1393.5	1387.5	1384.5	1384.3	1384.9	1387.3	1389.8	1387.3
40°	1339.5	1345.3	1351.2	1347.8	1341.4	1337.9	1337.3	1337.6	1340.5	1343.4	1340.5
42.5°	1292.1	1296.5	1301.0	1297.9	1292.4	1289.9	1290.2	1290.9	1292.4	1293.9	1292.4
45°	1218.3	1222.4	1226.5	1223.6	1218.3	1215.7	1215.7	1216.0	1217.1	1218.3	1217.1
47.5°	1141.1	1144.3	1147.4	1145.2	1141.1	1138.7	1138.0	1137.9	1139.8	1141.6	1139.8
50°	1085.3	1089.4	1093.5	1091.4	1087.3	1084.7	1083.5	1083.2	1085.6	1087.9	1085.6
52.5°	1030.5	1035.1	1039.6	1037.7	1033.6	1030.7	1029.1	1028.3	1030.2	1032.1	1030.2
55°	945.7	950.9	956.2	954.9	951.4	948.4	946.1	944.6	945.8	947.0	945.8
57.5°	859.0	864.2	869.3	868.3	865.3	862.3	859.5	857.8	859.5	861.1	859.5
60°	802.1	806.8	811.5	810.0	806.5	803.6	801.2	799.8	800.9	802.1	800.9
62.5°	744.2	748.8	753.5	751.7	747.7	744.6	742.2	740.8	741.9	743.1	741.9
65°	655.9	660.0	664.1	662.5	659.0	656.1	653.7	652.1	652.7	653.3	652.7
67.5°	566.9	570.4	573.9	572.2	568.8	565.4	562.0	559.7	560.7	561.6	560.7
70°	505.8	509.3	512.8	511.5	508.5	505.6	502.7	500.5	500.5	500.5	500.5
72.5°	446.8	449.8	452.8	451.1	447.7	444.7	442.3	440.4	440.4	440.4	440.4
75°	356.9	358.7	360.4	359.6	357.8	355.5	352.5	350.2	349.6	349.0	349.6
77.5°	270.3	270.3	270.3	268.6	266.4	264.1	261.9	260.1	259.4	258.7	259.4
80°	213.4	213.4	213.4	212.1	210.3	208.5	206.8	205.2	204.0	202.8	204.0
82.5°	160.7	159.7	158.8	157.3	155.5	153.3	150.6	148.9	150.0	151.2	150.0
85°	85.6	84.4	83.3	81.7	79.9	77.9	75.5	73.6	73.0	72.4	73.0
87.5°	27.6	28.4	29.6	30.0	29.9	28.6	26.8	25.7	25.6	25.2	25.6
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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**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°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1867.3	1865.7	1863.8	1866.9	1874.8	1878.6	1869.7	1860.8	1869.7	1878.6	1874.8
5°	1861.2	1858.8	1857.7	1861.8	1871.1	1875.2	1863.5	1851.8	1863.5	1875.2	1871.1
7.5°	1847.8	1845.2	1843.8	1847.6	1856.5	1860.2	1848.5	1836.8	1848.5	1860.2	1856.5
10°	1835.9	1832.9	1830.6	1834.1	1843.5	1847.6	1835.9	1824.2	1835.9	1847.6	1843.5
12.5°	1820.2	1817.8	1816.4	1819.9	1828.4	1831.8	1820.1	1808.4	1820.1	1831.8	1828.4
15°	1792.4	1789.9	1788.2	1791.4	1799.6	1802.8	1791.1	1779.4	1791.1	1802.8	1799.6
17.5°	1757.5	1755.0	1753.0	1755.8	1763.4	1766.4	1755.3	1744.3	1755.3	1766.4	1763.4
20°	1729.0	1727.6	1727.0	1730.5	1738.1	1741.2	1730.6	1720.1	1730.6	1741.2	1738.1
22.5°	1696.6	1696.3	1697.6	1701.8	1709.0	1711.7	1701.1	1690.6	1701.1	1711.7	1709.0
25°	1647.4	1647.7	1649.4	1653.5	1660.0	1662.2	1651.6	1641.1	1651.6	1662.2	1660.0
27.5°	1595.2	1595.3	1596.5	1599.8	1605.2	1607.0	1598.2	1589.5	1598.2	1607.0	1605.2
30°	1556.2	1556.4	1557.5	1561.0	1566.9	1569.1	1560.3	1551.5	1560.3	1569.1	1566.9
32.5°	1515.2	1514.6	1514.8	1518.3	1525.1	1528.1	1519.8	1511.5	1519.8	1528.1	1525.1
35°	1452.2	1451.0	1450.4	1453.3	1459.8	1462.8	1455.8	1448.8	1455.8	1462.8	1459.8
37.5°	1384.9	1384.3	1384.5	1387.5	1393.5	1396.6	1391.2	1385.8	1391.2	1396.6	1393.5
40°	1337.6	1337.3	1337.9	1341.4	1347.8	1351.2	1345.3	1339.5	1345.3	1351.2	1347.8
42.5°	1290.9	1290.2	1289.9	1292.4	1297.9	1301.0	1296.5	1292.1	1296.5	1301.0	1297.9
45°	1216.0	1215.7	1215.7	1218.3	1223.6	1226.5	1222.4	1218.3	1222.4	1226.5	1223.6
47.5°	1137.9	1138.0	1138.7	1141.1	1145.2	1147.4	1144.3	1141.1	1144.3	1147.4	1145.2
50°	1083.2	1083.5	1084.7	1087.3	1091.4	1093.5	1089.4	1085.3	1089.4	1093.5	1091.4
52.5°	1028.3	1029.1	1030.7	1033.6	1037.7	1039.6	1035.1	1030.5	1035.1	1039.6	1037.7
55°	944.6	946.1	948.4	951.4	954.9	956.2	950.9	945.7	950.9	956.2	954.9
57.5°	857.8	859.5	862.3	865.3	868.3	869.3	864.2	859.0	864.2	869.3	868.3
60°	799.8	801.2	803.6	806.5	810.0	811.5	806.8	802.1	806.8	811.5	810.0
62.5°	740.8	742.2	744.6	747.7	751.7	753.5	748.8	744.2	748.8	753.5	751.7
65°	652.1	653.7	656.1	659.0	662.5	664.1	660.0	655.9	660.0	664.1	662.5
67.5°	559.7	562.0	565.4	568.8	572.2	573.9	570.4	566.9	570.4	573.9	572.2
70°	500.5	502.7	505.6	508.5	511.5	512.8	509.3	505.8	509.3	512.8	511.5
72.5°	440.4	442.3	444.7	447.7	451.1	452.8	449.8	446.8	449.8	452.8	451.1
75°	350.2	352.5	355.5	357.8	359.6	360.4	358.7	356.9	358.7	360.4	359.6
77.5°	260.1	261.9	264.1	266.4	268.6	270.3	270.3	270.3	270.3	270.3	268.6
80°	205.2	206.8	208.5	210.3	212.1	213.4	213.4	213.4	213.4	213.4	212.1
82.5°	148.9	150.6	153.3	155.5	157.3	158.8	159.7	160.7	159.7	158.8	157.3
85°	73.6	75.5	77.9	79.9	81.7	83.3	84.4	85.6	84.4	83.3	81.7
87.5°	25.7	26.8	28.6	29.9	30.0	29.6	28.4	27.6	28.4	29.1	30.8
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: P1427818

CATALOG NUMBER: SQ2W-F-K-150U-125D-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



TEST NUMBER: P1427818

CATALOG NUMBER: SQ2W-F-K-150U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1866.9	1863.8	1865.7	1867.3	1868.3	1869.2	1868.3	1867.3	1865.7	1863.8	1866.9
5°	1861.8	1857.7	1858.8	1861.2	1867.0	1872.9	1867.0	1861.2	1858.8	1857.7	1861.8
7.5°	1847.6	1843.8	1845.2	1847.8	1853.9	1860.0	1853.9	1847.8	1845.2	1843.8	1847.6
10°	1834.1	1830.6	1832.9	1835.9	1840.5	1845.2	1840.5	1835.9	1832.9	1830.6	1834.1
12.5°	1819.9	1816.4	1817.8	1820.2	1825.3	1830.5	1825.3	1820.2	1817.8	1816.4	1819.9
15°	1791.4	1788.2	1789.9	1792.4	1797.1	1801.8	1797.1	1792.4	1789.9	1788.2	1791.4
17.5°	1755.8	1753.0	1755.0	1757.5	1761.6	1765.7	1761.6	1757.5	1755.0	1753.0	1755.8
20°	1730.5	1727.0	1727.6	1729.0	1733.1	1737.2	1733.1	1729.0	1727.6	1727.0	1730.5
22.5°	1701.8	1697.6	1696.3	1696.6	1701.6	1706.7	1701.6	1696.6	1696.3	1697.6	1701.8
25°	1653.5	1649.4	1647.7	1647.4	1651.5	1655.6	1651.5	1647.4	1647.7	1649.4	1653.5
27.5°	1599.8	1596.5	1595.3	1595.2	1598.1	1601.0	1598.1	1595.2	1595.3	1596.5	1599.8
30°	1561.0	1557.5	1556.4	1556.2	1559.1	1562.1	1559.1	1556.2	1556.4	1557.5	1561.0
32.5°	1518.3	1514.8	1514.6	1515.2	1518.6	1522.0	1518.6	1515.2	1514.6	1514.8	1518.3
35°	1453.3	1450.4	1451.0	1452.2	1455.1	1458.0	1455.1	1452.2	1451.0	1450.4	1453.3
37.5°	1387.5	1384.5	1384.3	1384.9	1387.3	1389.8	1387.3	1384.9	1384.3	1384.5	1387.5
40°	1341.4	1337.9	1337.3	1337.6	1340.5	1343.4	1340.5	1337.6	1337.3	1337.9	1341.4
42.5°	1292.4	1289.9	1290.2	1290.9	1292.4	1293.9	1292.4	1290.9	1290.2	1289.9	1292.4
45°	1218.3	1215.7	1215.7	1216.0	1217.1	1218.3	1217.1	1216.0	1215.7	1215.7	1218.3
47.5°	1141.1	1138.7	1138.0	1137.9	1139.8	1141.6	1139.8	1137.9	1138.0	1138.7	1141.1
50°	1087.3	1084.7	1083.5	1083.2	1085.6	1087.9	1085.6	1083.2	1083.5	1084.7	1087.3
52.5°	1033.6	1030.7	1029.1	1028.3	1030.2	1032.1	1030.2	1028.3	1029.1	1030.7	1033.6
55°	951.4	948.4	946.1	944.6	945.8	947.0	945.8	944.6	946.1	948.4	951.4
57.5°	865.3	862.3	859.5	857.8	859.5	861.1	859.5	857.8	859.5	862.3	865.3
60°	806.5	803.6	801.2	799.8	800.9	802.1	800.9	799.8	801.2	803.6	806.5
62.5°	747.7	744.6	742.2	740.8	741.9	743.1	741.9	740.8	742.2	744.6	747.7
65°	659.0	656.1	653.7	652.1	652.7	653.3	652.7	652.1	653.7	656.1	659.0
67.5°	568.8	565.4	562.0	559.7	560.7	561.6	560.7	559.7	562.0	565.4	568.8
70°	508.5	505.6	502.7	500.5	500.5	500.5	500.5	500.5	502.7	505.6	508.5
72.5°	447.7	444.7	442.3	440.4	440.4	440.4	440.4	440.4	442.3	444.7	447.7
75°	357.8	355.5	352.5	350.2	349.6	349.0	349.6	350.2	352.5	355.5	357.8
77.5°	266.4	264.1	261.9	260.1	259.4	258.7	259.4	260.1	261.9	264.1	266.4
80°	210.3	208.5	206.8	205.2	204.0	202.8	204.0	205.2	206.8	208.5	210.3
82.5°	155.5	153.3	150.6	148.9	150.0	151.2	150.0	148.9	150.6	153.3	155.5
85°	79.9	77.9	75.5	73.6	73.0	72.4	73.0	73.6	75.5	77.9	79.9
87.5°	31.6	32.9	34.0	34.2	35.4	34.1	35.4	34.2	34.0	32.9	31.6
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: P1427818

CATALOG NUMBER: SQ2W-F-K-150U-125D-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: P1427818

CATALOG NUMBER: SQ2W-F-K-150U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1870.3	1870.3	1870.3	1870.3
2.5°	1874.8	1878.6	1869.7	1860.8
5°	1871.1	1875.2	1863.5	1851.8
7.5°	1856.5	1860.2	1848.5	1836.8
10°	1843.5	1847.6	1835.9	1824.2
12.5°	1828.4	1831.8	1820.1	1808.4
15°	1799.6	1802.8	1791.1	1779.4
17.5°	1763.4	1766.4	1755.3	1744.3
20°	1738.1	1741.2	1730.6	1720.1
22.5°	1709.0	1711.7	1701.1	1690.6
25°	1660.0	1662.2	1651.6	1641.1
27.5°	1605.2	1607.0	1598.2	1589.5
30°	1566.9	1569.1	1560.3	1551.5
32.5°	1525.1	1528.1	1519.8	1511.5
35°	1459.8	1462.8	1455.8	1448.8
37.5°	1393.5	1396.6	1391.2	1385.8
40°	1347.8	1351.2	1345.3	1339.5
42.5°	1297.9	1301.0	1296.5	1292.1
45°	1223.6	1226.5	1222.4	1218.3
47.5°	1145.2	1147.4	1144.3	1141.1
50°	1091.4	1093.5	1089.4	1085.3
52.5°	1037.7	1039.6	1035.1	1030.5
55°	954.9	956.2	950.9	945.7
57.5°	868.3	869.3	864.2	859.0
60°	810.0	811.5	806.8	802.1
62.5°	751.7	753.5	748.8	744.2
65°	662.5	664.1	660.0	655.9
67.5°	572.2	573.9	570.4	566.9
70°	511.5	512.8	509.3	505.8
72.5°	451.1	452.8	449.8	446.8
75°	359.6	360.4	358.7	356.9
77.5°	268.6	270.3	270.3	270.3
80°	212.1	213.4	213.4	213.4
82.5°	157.3	158.8	159.7	160.7
85°	81.7	83.3	84.4	85.6
87.5°	30.8	29.1	28.4	27.6
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



TEST NUMBER: P1427818

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**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: P1427818  
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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	19.34	20.17	20.32	21.17	22.50	19.25	20.09	20.24	21.09	22.41
	3H	21.12	21.88	22.12	22.89	24.23	21.02	21.77	22.02	22.78	24.13
	4H	21.82	22.53	22.83	23.54	24.90	21.70	22.42	22.71	23.43	24.78
	6H	22.25	22.91	23.28	23.93	25.30	22.11	22.77	23.13	23.79	25.15
	8H	22.41	23.04	23.44	24.07	25.44	22.26	22.88	23.29	23.92	25.28
	12H	22.50	23.09	23.53	24.12	25.51	22.32	22.92	23.35	23.94	25.33
4H	2H	19.91	20.63	20.93	21.64	22.99	19.85	20.56	20.86	21.57	22.93
	3H	21.93	22.53	22.96	23.57	24.94	21.84	22.43	22.87	23.48	24.84
	4H	22.75	23.29	23.78	24.32	25.71	22.63	23.18	23.67	24.21	25.60
	6H	23.30	23.77	24.34	24.82	26.21	23.16	23.63	24.20	24.68	26.07
	8H	23.51	23.95	24.56	25.00	26.40	23.35	23.79	24.40	24.84	26.24
	12H	23.62	24.02	24.69	25.08	26.49	23.44	23.83	24.50	24.90	26.30
8H	4H	22.99	23.43	24.03	24.48	25.88	22.89	23.33	23.93	24.38	25.78
	6H	23.68	24.04	24.74	25.13	26.53	23.54	23.91	24.61	25.00	26.40
	8H	23.98	24.30	25.06	25.38	26.79	23.82	24.14	24.90	25.22	26.64
	12H	24.16	24.44	25.24	25.51	26.97	23.97	24.25	25.05	25.32	26.78
12H	4H	22.98	23.38	24.04	24.44	25.85	22.89	23.28	23.95	24.35	25.75
	6H	23.73	24.05	24.80	25.12	26.54	23.60	23.92	24.68	25.00	26.41
	8H	24.06	24.34	25.14	25.41	26.87	23.91	24.19	24.99	25.26	26.72