

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: P1427790

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427790
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-125U-125D-L835-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 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

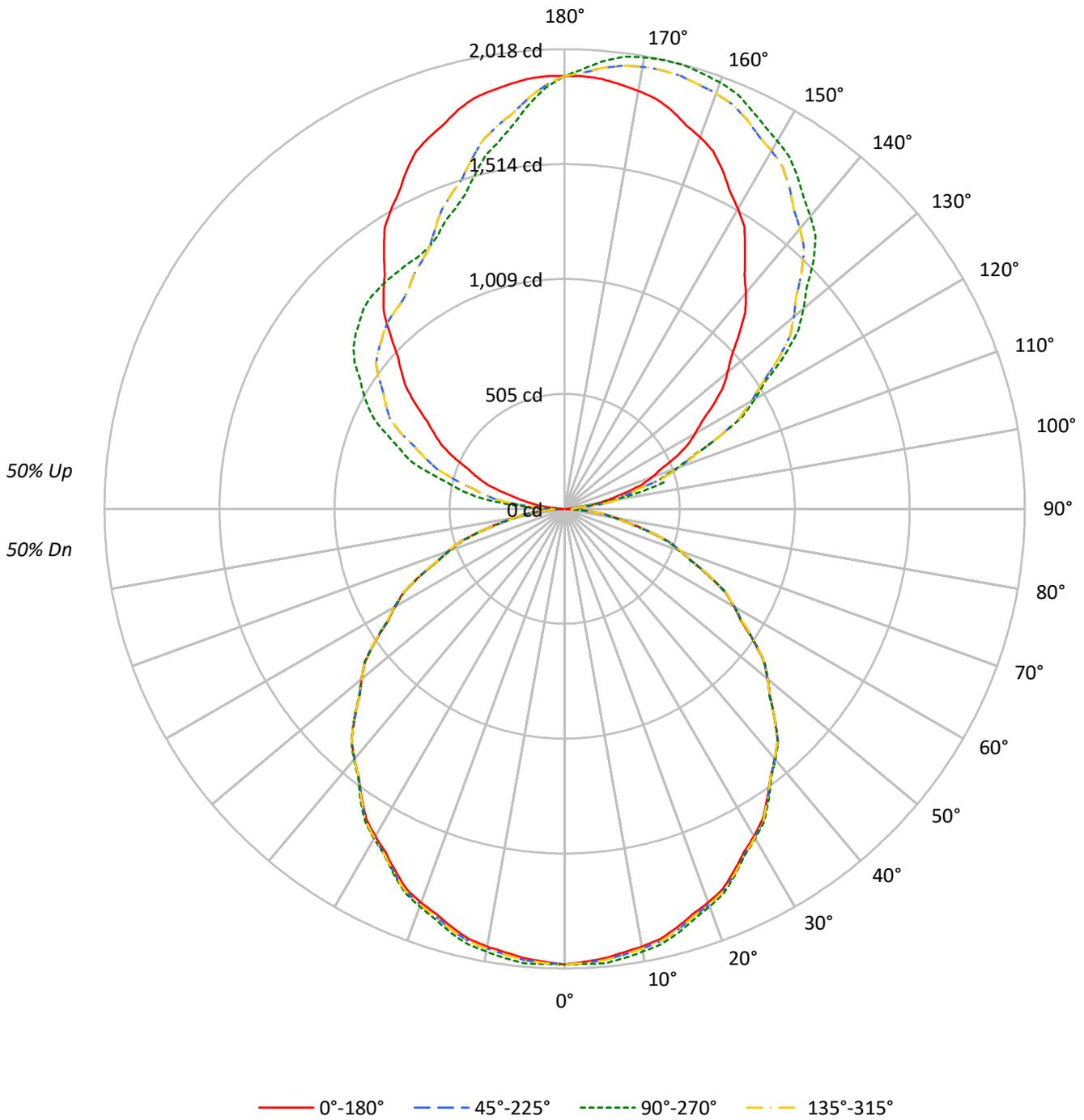
Lumens per Lamp: N/A
Luminaire Lumens: 11186.6 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1427790

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

Luminous Intensity Polar Plot





TEST NUMBER: P1427790

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

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	107	107	107	107	99	99	99	99	84	84	84	69	69	69	56	56	56	50
1	98	93	89	86	90	86	83	80	73	71	68	61	59	57	50	48	47	42
2	89	81	75	70	82	75	70	65	64	60	56	53	50	48	43	41	40	35
3	81	71	64	58	74	66	59	54	56	51	47	47	43	40	38	36	34	29
4	74	63	55	49	68	58	51	46	50	44	40	42	38	34	34	31	29	25
5	68	56	48	42	62	52	45	39	44	39	34	37	33	30	31	28	25	22
6	62	50	42	36	57	47	39	34	40	34	30	34	29	26	28	24	22	19
7	58	45	37	32	53	42	35	30	36	30	26	31	26	23	25	22	19	17
8	53	41	33	28	49	38	31	26	33	27	23	28	24	20	23	20	17	15
9	50	37	30	25	46	35	28	23	30	25	21	26	21	18	21	18	16	13
10	46	34	27	22	43	32	25	21	28	22	19	24	19	16	20	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32306	32306	32306	32306
5°	32110	32474	32110	32474
10°	31996	32365	31996	32365
15°	31821	32220	31821	32220
20°	31620	31934	31620	31934
25°	31277	31553	31277	31553
30°	30946	31157	30946	31157
35°	30551	30746	30551	30746
40°	30205	30293	30205	30293
45°	29761	29761	29761	29761
50°	29165	29235	29165	29235
55°	28478	28518	28478	28518
60°	27709	27709	27709	27709
65°	26807	26701	26807	26701
70°	25543	25279	25543	25279
75°	23824	23293	23824	23293
80°	21227	20176	21227	20176
85°	16969	14357	16969	14357

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 29962 cd/sqm



TEST NUMBER: P1427790

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	1.7
10°-20°	541.0	4.8
20°-30°	814.3	7.3
30°-40°	973.8	8.7
40°-50°	1005.5	9.0
50°-60°	906.9	8.1
60°-70°	694.7	6.2
70°-80°	401.5	3.6
80°-90°	112.2	1.0
90°-100°	151.2	1.4
100°-110°	440.9	3.9
110°-120°	719.6	6.4
120°-130°	913.1	8.2
130°-140°	977.1	8.7
140°-150°	912.4	8.2
150°-160°	750.8	6.7
160°-170°	503.5	4.5
170°-180°	178.8	1.6
0°-30°	1544.6	13.8
0°-40°	2518.3	22.5
0°-60°	4430.8	39.6
0°-90°	5639.2	50.4
90°-120°	1311.8	11.7
90°-150°	4114.3	36.8
90°-180°	5547.0	49.6
0°-180°	11186.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2001	2001	2001	2001	2001	
5°	1981	2004	1981	2004	1981	188
15°	1904	1928	1904	1928	1904	537
25°	1756	1771	1756	1771	1756	809
35°	1550	1560	1550	1560	1550	970
45°	1303	1303	1303	1303	1303	1004
55°	1012	1013	1012	1013	1012	904
65°	702	699	702	699	702	694
75°	382	373	382	373	382	404
85°	92	78	92	78	92	107
90°	6	42	6	82	6	8
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	



TEST NUMBER: P1427790

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9
2.5°	1990.8	2000.3	2009.8	2005.8	1997.3	1994.0	1996.0	1997.8	1998.8	1999.8	1998.8
5°	1981.2	1993.7	2006.2	2001.9	1991.8	1987.5	1988.7	1991.2	1997.5	2003.7	1997.5
7.5°	1965.1	1977.7	1990.2	1986.2	1976.6	1972.6	1974.1	1976.9	1983.4	1989.9	1983.4
10°	1951.6	1964.1	1976.6	1972.3	1962.2	1958.5	1961.0	1964.1	1969.1	1974.1	1969.1
12.5°	1934.7	1947.2	1959.7	1956.1	1947.1	1943.3	1944.8	1947.3	1952.9	1958.4	1952.9
15°	1903.7	1916.2	1928.7	1925.3	1916.5	1913.1	1915.0	1917.6	1922.6	1927.6	1922.6
17.5°	1866.2	1878.0	1889.8	1886.6	1878.5	1875.4	1877.6	1880.3	1884.7	1889.0	1884.7
20°	1840.3	1851.6	1862.8	1859.5	1851.4	1847.6	1848.3	1849.8	1854.2	1858.6	1854.2
22.5°	1808.7	1820.0	1831.3	1828.3	1820.7	1816.2	1814.8	1815.1	1820.5	1825.9	1820.5
25°	1755.7	1767.0	1778.3	1775.9	1769.0	1764.7	1762.8	1762.5	1766.8	1771.2	1766.8
27.5°	1700.5	1709.9	1719.3	1717.3	1711.6	1708.0	1706.8	1706.6	1709.8	1712.9	1709.8
30°	1659.9	1669.3	1678.7	1676.4	1670.1	1666.3	1665.1	1664.9	1668.1	1671.2	1668.1
32.5°	1617.1	1626.0	1634.9	1631.6	1624.4	1620.6	1620.4	1621.1	1624.7	1628.4	1624.7
35°	1550.0	1557.5	1565.0	1561.7	1554.9	1551.7	1552.4	1553.6	1556.7	1559.9	1556.7
37.5°	1482.7	1488.4	1494.2	1490.8	1484.4	1481.2	1481.1	1481.6	1484.2	1486.9	1484.2
40°	1433.1	1439.3	1445.6	1442.0	1435.1	1431.3	1430.7	1431.0	1434.1	1437.3	1434.1
42.5°	1382.3	1387.1	1391.8	1388.6	1382.7	1380.0	1380.4	1381.0	1382.7	1384.3	1382.7
45°	1303.4	1307.8	1312.2	1309.1	1303.4	1300.6	1300.6	1300.9	1302.2	1303.4	1302.2
47.5°	1220.8	1224.2	1227.6	1225.2	1220.8	1218.2	1217.5	1217.4	1219.4	1221.4	1219.4
50°	1161.1	1165.5	1169.9	1167.7	1163.3	1160.5	1159.2	1158.9	1161.4	1163.9	1161.4
52.5°	1102.5	1107.4	1112.2	1110.2	1105.8	1102.7	1101.0	1100.2	1102.2	1104.2	1102.2
55°	1011.7	1017.4	1023.0	1021.6	1017.8	1014.7	1012.2	1010.6	1011.9	1013.1	1011.9
57.5°	919.0	924.5	930.0	929.0	925.7	922.6	919.6	917.8	919.5	921.3	919.5
60°	858.1	863.1	868.2	866.6	862.8	859.7	857.2	855.6	856.9	858.1	856.9
62.5°	796.1	801.1	806.2	804.2	800.0	796.6	794.1	792.5	793.8	795.0	793.8
65°	701.7	706.1	710.5	708.8	705.0	701.9	699.4	697.7	698.3	698.9	698.3
67.5°	606.5	610.2	614.0	612.2	608.6	604.9	601.3	598.8	599.8	600.8	599.8
70°	541.1	544.9	548.6	547.2	544.1	540.9	537.8	535.5	535.5	535.5	535.5
72.5°	478.0	481.2	484.5	482.6	478.9	475.8	473.2	471.2	471.2	471.2	471.2
75°	381.9	383.7	385.6	384.7	382.8	380.3	377.2	374.7	374.0	373.4	374.0
77.5°	289.1	289.1	289.1	287.4	285.0	282.6	280.2	278.2	277.5	276.7	277.5
80°	228.3	228.3	228.3	226.9	225.0	223.1	221.2	219.5	218.3	217.0	218.3
82.5°	171.9	170.9	169.9	168.2	166.4	164.0	161.1	159.3	160.5	161.8	160.5
85°	91.6	90.3	89.1	87.4	85.5	83.3	80.8	78.8	78.1	77.5	78.1
87.5°	29.3	29.9	30.8	30.9	30.6	29.2	27.2	26.0	25.9	25.4	25.9
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



TEST NUMBER: P1427790

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

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



TEST NUMBER: P1427790

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9
2.5°	1997.8	1996.0	1994.0	1997.3	2005.8	2009.8	2000.3	1990.8	2000.3	2009.8	2005.8
5°	1991.2	1988.7	1987.5	1991.8	2001.9	2006.2	1993.7	1981.2	1993.7	2006.2	2001.9
7.5°	1976.9	1974.1	1972.6	1976.6	1986.2	1990.2	1977.7	1965.1	1977.7	1990.2	1986.2
10°	1964.1	1961.0	1958.5	1962.2	1972.3	1976.6	1964.1	1951.6	1964.1	1976.6	1972.3
12.5°	1947.3	1944.8	1943.3	1947.1	1956.1	1959.7	1947.2	1934.7	1947.2	1959.7	1956.1
15°	1917.6	1915.0	1913.1	1916.5	1925.3	1928.7	1916.2	1903.7	1916.2	1928.7	1925.3
17.5°	1880.3	1877.6	1875.4	1878.5	1886.6	1889.8	1878.0	1866.2	1878.0	1889.8	1886.6
20°	1849.8	1848.3	1847.6	1851.4	1859.5	1862.8	1851.6	1840.3	1851.6	1862.8	1859.5
22.5°	1815.1	1814.8	1816.2	1820.7	1828.3	1831.3	1820.0	1808.7	1820.0	1831.3	1828.3
25°	1762.5	1762.8	1764.7	1769.0	1775.9	1778.3	1767.0	1755.7	1767.0	1778.3	1775.9
27.5°	1706.6	1706.8	1708.0	1711.6	1717.3	1719.3	1709.9	1700.5	1709.9	1719.3	1717.3
30°	1664.9	1665.1	1666.3	1670.1	1676.4	1678.7	1669.3	1659.9	1669.3	1678.7	1676.4
32.5°	1621.1	1620.4	1620.6	1624.4	1631.6	1634.9	1626.0	1617.1	1626.0	1634.9	1631.6
35°	1553.6	1552.4	1551.7	1554.9	1561.7	1565.0	1557.5	1550.0	1557.5	1565.0	1561.7
37.5°	1481.6	1481.1	1481.2	1484.4	1490.8	1494.2	1488.4	1482.7	1488.4	1494.2	1490.8
40°	1431.0	1430.7	1431.3	1435.1	1442.0	1445.6	1439.3	1433.1	1439.3	1445.6	1442.0
42.5°	1381.0	1380.4	1380.0	1382.7	1388.6	1391.8	1387.1	1382.3	1387.1	1391.8	1388.6
45°	1300.9	1300.6	1300.6	1303.4	1309.1	1312.2	1307.8	1303.4	1307.8	1312.2	1309.1
47.5°	1217.4	1217.5	1218.2	1220.8	1225.2	1227.6	1224.2	1220.8	1224.2	1227.6	1225.2
50°	1158.9	1159.2	1160.5	1163.3	1167.7	1169.9	1165.5	1161.1	1165.5	1169.9	1167.7
52.5°	1100.2	1101.0	1102.7	1105.8	1110.2	1112.2	1107.4	1102.5	1107.4	1112.2	1110.2
55°	1010.6	1012.2	1014.7	1017.8	1021.6	1023.0	1017.4	1011.7	1017.4	1023.0	1021.6
57.5°	917.8	919.6	922.6	925.7	929.0	930.0	924.5	919.0	924.5	930.0	929.0
60°	855.6	857.2	859.7	862.8	866.6	868.2	863.1	858.1	863.1	868.2	866.6
62.5°	792.5	794.1	796.6	800.0	804.2	806.2	801.1	796.1	801.1	806.2	804.2
65°	697.7	699.4	701.9	705.0	708.8	710.5	706.1	701.7	706.1	710.5	708.8
67.5°	598.8	601.3	604.9	608.6	612.2	614.0	610.2	606.5	610.2	614.0	612.2
70°	535.5	537.8	540.9	544.1	547.2	548.6	544.9	541.1	544.9	548.6	547.2
72.5°	471.2	473.2	475.8	478.9	482.6	484.5	481.2	478.0	481.2	484.5	482.6
75°	374.7	377.2	380.3	382.8	384.7	385.6	383.7	381.9	383.7	385.6	384.7
77.5°	278.2	280.2	282.6	285.0	287.4	289.1	289.1	289.1	289.1	289.1	287.4
80°	219.5	221.2	223.1	225.0	226.9	228.3	228.3	228.3	228.3	228.3	226.9
82.5°	159.3	161.1	164.0	166.4	168.2	169.9	170.9	171.9	170.9	169.9	168.2
85°	78.8	80.8	83.3	85.5	87.4	89.1	90.3	91.6	90.3	89.1	87.4
87.5°	26.0	27.2	29.2	30.6	30.9	30.8	29.9	29.3	29.9	30.4	31.7
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: P1427790

CATALOG NUMBER: SQ2W-F-K-125U-125D-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: P1427790

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9
2.5°	1997.3	1994.0	1996.0	1997.8	1998.8	1999.8	1998.8	1997.8	1996.0	1994.0	1997.3
5°	1991.8	1987.5	1988.7	1991.2	1997.5	2003.7	1997.5	1991.2	1988.7	1987.5	1991.8
7.5°	1976.6	1972.6	1974.1	1976.9	1983.4	1989.9	1983.4	1976.9	1974.1	1972.6	1976.6
10°	1962.2	1958.5	1961.0	1964.1	1969.1	1974.1	1969.1	1964.1	1961.0	1958.5	1962.2
12.5°	1947.1	1943.3	1944.8	1947.3	1952.9	1958.4	1952.9	1947.3	1944.8	1943.3	1947.1
15°	1916.5	1913.1	1915.0	1917.6	1922.6	1927.6	1922.6	1917.6	1915.0	1913.1	1916.5
17.5°	1878.5	1875.4	1877.6	1880.3	1884.7	1889.0	1884.7	1880.3	1877.6	1875.4	1878.5
20°	1851.4	1847.6	1848.3	1849.8	1854.2	1858.6	1854.2	1849.8	1848.3	1847.6	1851.4
22.5°	1820.7	1816.2	1814.8	1815.1	1820.5	1825.9	1820.5	1815.1	1814.8	1816.2	1820.7
25°	1769.0	1764.7	1762.8	1762.5	1766.8	1771.2	1766.8	1762.5	1762.8	1764.7	1769.0
27.5°	1711.6	1708.0	1706.8	1706.6	1709.8	1712.9	1709.8	1706.6	1706.8	1708.0	1711.6
30°	1670.1	1666.3	1665.1	1664.9	1668.1	1671.2	1668.1	1664.9	1665.1	1666.3	1670.1
32.5°	1624.4	1620.6	1620.4	1621.1	1624.7	1628.4	1624.7	1621.1	1620.4	1620.6	1624.4
35°	1554.9	1551.7	1552.4	1553.6	1556.7	1559.9	1556.7	1553.6	1552.4	1551.7	1554.9
37.5°	1484.4	1481.2	1481.1	1481.6	1484.2	1486.9	1484.2	1481.6	1481.1	1481.2	1484.4
40°	1435.1	1431.3	1430.7	1431.0	1434.1	1437.3	1434.1	1431.0	1430.7	1431.3	1435.1
42.5°	1382.7	1380.0	1380.4	1381.0	1382.7	1384.3	1382.7	1381.0	1380.4	1380.0	1382.7
45°	1303.4	1300.6	1300.6	1300.9	1302.2	1303.4	1302.2	1300.9	1300.6	1300.6	1303.4
47.5°	1220.8	1218.2	1217.5	1217.4	1219.4	1221.4	1219.4	1217.4	1217.5	1218.2	1220.8
50°	1163.3	1160.5	1159.2	1158.9	1161.4	1163.9	1161.4	1158.9	1159.2	1160.5	1163.3
52.5°	1105.8	1102.7	1101.0	1100.2	1102.2	1104.2	1102.2	1100.2	1101.0	1102.7	1105.8
55°	1017.8	1014.7	1012.2	1010.6	1011.9	1013.1	1011.9	1010.6	1012.2	1014.7	1017.8
57.5°	925.7	922.6	919.6	917.8	919.5	921.3	919.5	917.8	919.6	922.6	925.7
60°	862.8	859.7	857.2	855.6	856.9	858.1	856.9	855.6	857.2	859.7	862.8
62.5°	800.0	796.6	794.1	792.5	793.8	795.0	793.8	792.5	794.1	796.6	800.0
65°	705.0	701.9	699.4	697.7	698.3	698.9	698.3	697.7	699.4	701.9	705.0
67.5°	608.6	604.9	601.3	598.8	599.8	600.8	599.8	598.8	601.3	604.9	608.6
70°	544.1	540.9	537.8	535.5	535.5	535.5	535.5	535.5	537.8	540.9	544.1
72.5°	478.9	475.8	473.2	471.2	471.2	471.2	471.2	471.2	473.2	475.8	478.9
75°	382.8	380.3	377.2	374.7	374.0	373.4	374.0	374.7	377.2	380.3	382.8
77.5°	285.0	282.6	280.2	278.2	277.5	276.7	277.5	278.2	280.2	282.6	285.0
80°	225.0	223.1	221.2	219.5	218.3	217.0	218.3	219.5	221.2	223.1	225.0
82.5°	166.4	164.0	161.1	159.3	160.5	161.8	160.5	159.3	161.1	164.0	166.4
85°	85.5	83.3	80.8	78.8	78.1	77.5	78.1	78.8	80.8	83.3	85.5
87.5°	32.1	33.1	33.7	33.6	34.7	33.4	34.7	33.6	33.7	33.1	32.1
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: P1427790

CATALOG NUMBER: SQ2W-F-K-125U-125D-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: P1427790

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2000.9	2000.9	2000.9	2000.9
2.5°	2005.8	2009.8	2000.3	1990.8
5°	2001.9	2006.2	1993.7	1981.2
7.5°	1986.2	1990.2	1977.7	1965.1
10°	1972.3	1976.6	1964.1	1951.6
12.5°	1956.1	1959.7	1947.2	1934.7
15°	1925.3	1928.7	1916.2	1903.7
17.5°	1886.6	1889.8	1878.0	1866.2
20°	1859.5	1862.8	1851.6	1840.3
22.5°	1828.3	1831.3	1820.0	1808.7
25°	1775.9	1778.3	1767.0	1755.7
27.5°	1717.3	1719.3	1709.9	1700.5
30°	1676.4	1678.7	1669.3	1659.9
32.5°	1631.6	1634.9	1626.0	1617.1
35°	1561.7	1565.0	1557.5	1550.0
37.5°	1490.8	1494.2	1488.4	1482.7
40°	1442.0	1445.6	1439.3	1433.1
42.5°	1388.6	1391.8	1387.1	1382.3
45°	1309.1	1312.2	1307.8	1303.4
47.5°	1225.2	1227.6	1224.2	1220.8
50°	1167.7	1169.9	1165.5	1161.1
52.5°	1110.2	1112.2	1107.4	1102.5
55°	1021.6	1023.0	1017.4	1011.7
57.5°	929.0	930.0	924.5	919.0
60°	866.6	868.2	863.1	858.1
62.5°	804.2	806.2	801.1	796.1
65°	708.8	710.5	706.1	701.7
67.5°	612.2	614.0	610.2	606.5
70°	547.2	548.6	544.9	541.1
72.5°	482.6	484.5	481.2	478.0
75°	384.7	385.6	383.7	381.9
77.5°	287.4	289.1	289.1	289.1
80°	226.9	228.3	228.3	228.3
82.5°	168.2	169.9	170.9	171.9
85°	87.4	89.1	90.3	91.6
87.5°	31.7	30.4	29.9	29.3
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: P1427790

CATALOG NUMBER: SQ2W-F-K-125U-125D-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: P1427790
 CATALOG NUMBER: SQ2W-F-K-125U-125D-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	19.97	20.85	20.92	21.82	23.08	19.89	20.77	20.84	21.73	23.00
	3H	21.76	22.55	22.73	23.53	24.82	21.66	22.45	22.62	23.43	24.71
	4H	22.46	23.21	23.44	24.19	25.48	22.35	23.09	23.32	24.07	25.37
	6H	22.90	23.59	23.89	24.57	25.88	22.76	23.45	23.75	24.43	25.74
	8H	23.06	23.71	24.05	24.72	26.02	22.90	23.56	23.90	24.56	25.87
	12H	23.14	23.77	24.14	24.76	26.10	22.97	23.59	23.97	24.59	25.92
4H	2H	20.55	21.30	21.54	22.28	23.58	20.49	21.23	21.47	22.22	23.51
	3H	22.58	23.20	23.57	24.21	25.52	22.49	23.11	23.48	24.12	25.43
	4H	23.39	23.96	24.39	24.97	26.30	23.28	23.85	24.28	24.86	26.19
	6H	23.95	24.44	24.96	25.47	26.80	23.81	24.30	24.82	25.32	26.65
	8H	24.16	24.62	25.17	25.64	26.99	24.00	24.46	25.01	25.48	26.83
	12H	24.28	24.69	25.31	25.73	27.08	24.09	24.51	25.12	25.54	26.89
8H	4H	23.64	24.10	24.65	25.12	26.46	23.54	24.00	24.55	25.02	26.37
	6H	24.33	24.71	25.37	25.77	27.11	24.20	24.58	25.24	25.64	26.98
	8H	24.63	24.97	25.68	26.02	27.38	24.48	24.81	25.52	25.86	27.22
	12H	24.82	25.11	25.87	26.15	27.56	24.63	24.92	25.68	25.96	27.37
12H	4H	23.63	24.05	24.67	25.08	26.44	23.54	23.96	24.57	24.99	26.34
	6H	24.38	24.71	25.42	25.76	27.12	24.25	24.59	25.30	25.64	27.00
	8H	24.71	25.01	25.76	26.05	27.46	24.56	24.86	25.61	25.90	27.30