

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: P1428566

Luminaire Tested: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428566
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

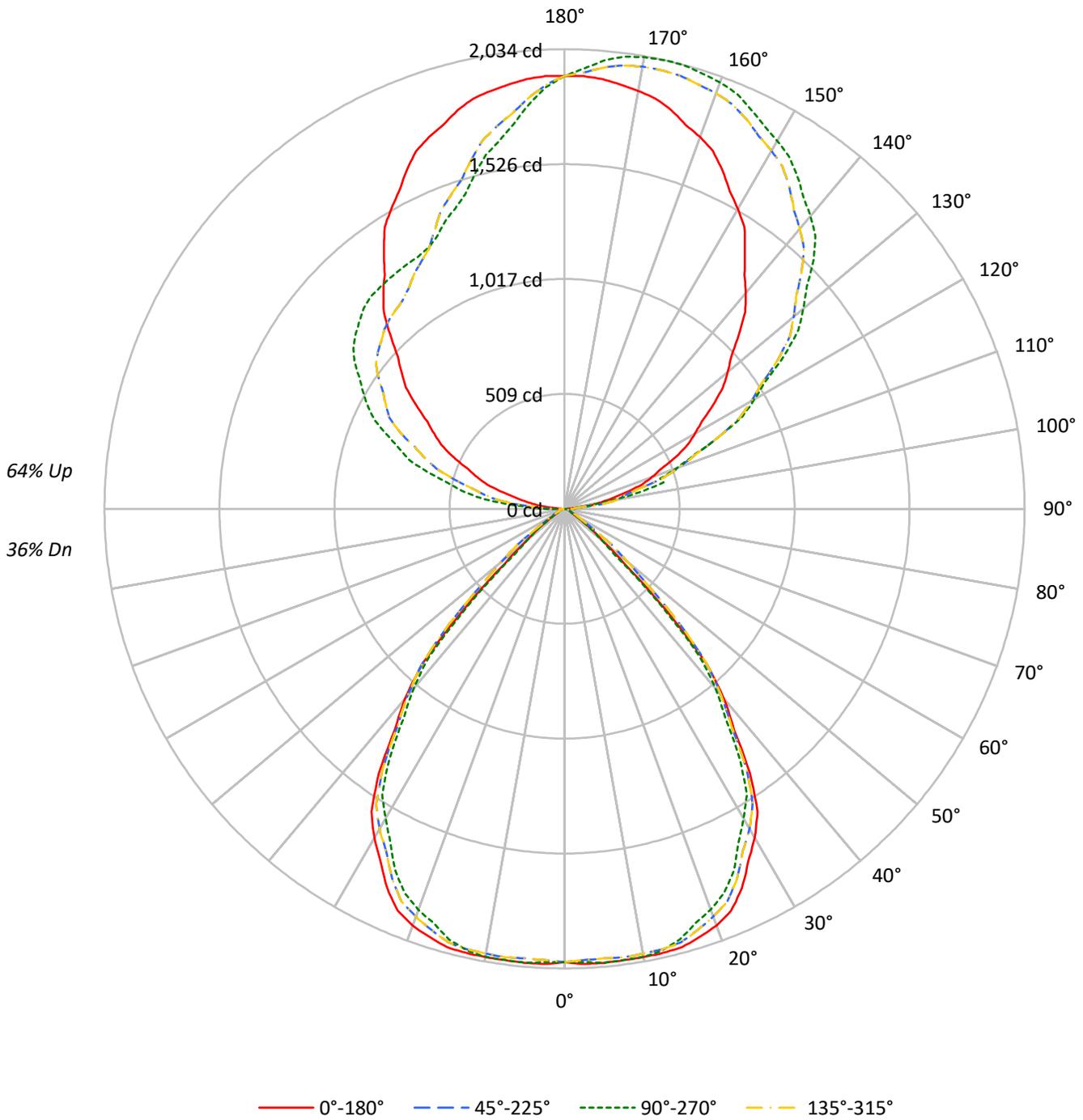
Lumens per Lamp: N/A
Luminaire Lumens: 8738.5 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 82.7
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: P1428566

CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428566

CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-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	50	30	10	0	
RCR																						
0	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36				36
1	96	92	89	86	87	84	81	78	68	66	64	53	52	51	40	40	39	33				33
2	88	82	77	72	80	75	70	67	61	58	56	49	47	45	37	36	35	30				30
3	82	73	67	62	74	67	62	57	55	51	48	44	42	40	34	33	31	27				27
4	75	66	59	54	68	60	54	50	50	46	42	40	38	35	31	30	28	24				24
5	70	59	52	47	63	54	48	44	45	41	37	37	34	31	29	27	26	22				22
6	64	54	46	41	59	49	43	39	41	37	33	34	31	28	27	25	23	20				20
7	60	49	42	37	55	45	39	34	38	33	30	31	28	25	25	23	21	18				18
8	56	45	38	33	51	41	35	31	35	30	27	29	25	23	23	21	19	17				17
9	52	41	34	29	47	38	32	28	32	28	24	27	23	21	22	19	18	16				16
10	49	38	31	27	44	35	29	25	30	25	22	25	21	19	20	18	16	14				14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32393	32393	32393	32393
5°	32688	32672	32688	32672
10°	33019	33002	33019	33002
15°	33567	32972	33567	32972
20°	33728	32439	33728	32439
25°	33034	31527	33034	31527
30°	31343	29479	31343	29479
35°	28189	26597	28189	26597
40°	23110	21892	23110	21892
45°	14451	13572	14451	13572
50°	5654	5169	5654	5169
55°	2790	2761	2790	2761
60°	1305	1179	1305	1179
65°	1177	1104	1177	1104
70°	1133	1090	1133	1090
75°	1142	1023	1142	1023
80°	1069	986	1069	986
85°	1074	889	1074	889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 16449 cd/sqm



TEST NUMBER: P1428566

CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.8	2.2
10°-20°	560.9	6.4
20°-30°	829.3	9.5
30°-40°	858.1	9.8
40°-50°	516.1	5.9
50°-60°	123.4	1.4
60°-70°	33.7	0.4
70°-80°	18.9	0.2
80°-90°	13.9	0.2
90°-100°	152.4	1.7
100°-110°	444.5	5.1
110°-120°	725.4	8.3
120°-130°	920.5	10.5
130°-140°	985.0	11.3
140°-150°	919.8	10.5
150°-160°	756.8	8.7
160°-170°	507.6	5.8
170°-180°	180.2	2.1
0°-30°	1582.1	18.1
0°-40°	2440.2	27.9
0°-60°	3079.7	35.2
0°-90°	3146.2	36.0
90°-120°	1322.4	15.1
90°-150°	4147.7	47.5
90°-180°	5592.0	64.0
0°-180°	8738.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2006	2006	2006	2006	2006	
5°	2017	2016	2017	2016	2017	192
15°	2008	1973	2008	1973	2008	566
25°	1854	1770	1854	1770	1854	848
35°	1430	1349	1430	1349	1430	878
45°	633	594	633	594	633	489
55°	99	98	99	98	99	99
65°	31	29	31	29	31	31
75°	18	16	18	16	18	19
85°	6	5	6	5	6	6
90°	6	43	6	83	6	5
95°	60	44	60	261	60	72
105°	282	453	282	623	282	300
115°	542	751	542	925	542	534
125°	801	1190	801	1134	801	717
135°	1089	1557	1089	1256	1089	842
145°	1391	1795	1391	1283	1391	870
155°	1652	1950	1652	1331	1652	759
165°	1826	2033	1826	1532	1826	514
175°	1910	1991	1910	1797	1910	181
180°	1915	1915	1915	1915	1915	



TEST NUMBER: P1428566

CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	2016.3	2013.9	2011.5	2005.5	1998.4	1998.5	2006.1	2011.3	2009.6	2007.9	2009.6
5°	2016.9	2013.9	2010.9	2004.1	1995.9	1997.9	2009.8	2018.5	2017.2	2015.9	2017.2
7.5°	2014.8	2013.5	2012.2	2007.2	2001.0	2002.4	2011.4	2017.7	2015.8	2013.8	2015.8
10°	2014.0	2014.4	2014.9	2008.2	1999.3	1999.5	2008.9	2015.6	2014.3	2013.0	2014.3
12.5°	2013.2	2016.7	2020.2	2011.3	1998.2	1995.4	2002.7	2007.5	2004.5	2001.5	2004.5
15°	2008.2	2015.1	2021.9	2009.8	1991.5	1982.3	1982.3	1981.2	1976.9	1972.6	1976.9
17.5°	1986.9	1995.0	2003.1	1986.8	1962.2	1946.7	1940.1	1933.8	1928.6	1923.4	1928.6
20°	1963.0	1971.2	1979.3	1959.8	1931.2	1911.5	1900.8	1892.3	1890.1	1888.0	1890.1
22.5°	1925.3	1934.1	1942.9	1922.1	1891.4	1870.2	1858.5	1848.9	1845.3	1841.8	1845.3
25°	1854.3	1861.2	1868.0	1846.3	1815.1	1795.3	1786.7	1779.1	1774.4	1769.7	1774.4
27.5°	1759.7	1763.5	1767.2	1746.2	1717.0	1697.5	1687.8	1678.8	1672.3	1665.8	1672.3
30°	1681.2	1682.9	1684.6	1667.8	1644.7	1626.7	1613.9	1601.7	1591.5	1581.2	1591.5
32.5°	1588.1	1589.8	1591.5	1576.7	1556.4	1540.1	1528.0	1516.8	1508.6	1500.4	1508.6
35°	1430.2	1429.3	1428.5	1419.0	1406.6	1393.3	1379.2	1366.5	1358.0	1349.4	1358.0
37.5°	1232.6	1233.8	1235.0	1228.0	1218.1	1207.7	1196.5	1186.0	1177.4	1168.8	1177.4
40°	1096.5	1097.3	1098.2	1092.3	1084.2	1072.0	1055.7	1043.0	1040.9	1038.7	1040.9
42.5°	930.3	943.1	955.9	950.7	939.5	927.7	915.2	903.3	893.3	883.3	893.3
45°	632.9	671.8	710.7	720.4	720.4	712.9	697.9	676.5	635.4	594.4	635.4
47.5°	357.4	401.7	446.0	475.1	499.1	488.9	444.4	398.6	348.8	298.9	348.8
50°	225.1	255.0	284.9	322.2	362.0	351.1	289.5	239.2	222.5	205.8	222.5
52.5°	159.7	174.9	190.1	225.3	267.1	262.0	210.0	168.8	160.0	151.2	160.0
55°	99.1	104.6	110.2	127.3	148.2	146.9	123.4	104.9	101.5	98.1	101.5
57.5°	58.9	64.6	70.3	77.9	86.1	86.1	77.9	70.4	65.0	59.6	65.0
60°	40.4	45.1	49.8	56.1	62.9	62.1	53.5	46.0	41.3	36.5	41.3
62.5°	35.0	37.0	38.9	43.8	49.6	49.1	42.3	36.7	35.1	33.5	35.1
65°	30.8	31.2	31.6	32.1	32.5	32.3	31.4	30.6	29.7	28.9	29.7
67.5°	27.1	27.6	28.0	27.8	27.5	27.3	27.2	26.9	26.2	25.4	26.2
70°	24.0	24.5	24.9	25.0	25.0	24.8	24.4	23.9	23.5	23.1	23.5
72.5°	21.7	22.2	22.6	22.4	22.1	21.9	21.8	21.5	20.8	20.0	20.8
75°	18.3	18.3	18.3	18.3	18.3	18.1	17.6	17.2	16.8	16.4	16.8
77.5°	13.8	14.3	14.7	14.5	14.1	13.8	13.8	13.7	13.3	12.9	13.3
80°	11.5	12.0	12.4	12.2	11.8	11.5	11.5	11.4	11.0	10.6	11.0
82.5°	9.2	9.3	9.4	9.4	9.3	9.2	9.2	9.1	8.7	8.3	8.7
85°	5.8	5.8	5.8	5.5	5.0	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	2.7	4.6	6.9	8.2	9.1	9.3	9.3	9.7	10.1	10.1	10.1
90°	5.8	13.5	23.2	31.0	36.8	38.7	38.7	40.6	42.6	42.6	42.6
92.5°	21.3	33.7	34.0	34.0	41.4	44.9	48.0	48.4	50.3	50.3	50.3
95°	60.0	65.8	98.7	96.7	65.8	52.2	44.5	44.5	44.5	44.5	44.5
97.5°	114.5	123.0	128.5	172.2	181.9	175.7	143.2	120.3	107.6	101.8	107.6
100°	162.5	166.4	178.0	179.9	228.3	274.7	251.5	222.5	212.8	207.0	212.8
102.5°	210.5	212.8	230.6	238.7	250.0	276.3	356.7	347.8	341.3	340.1	341.3
105°	282.5	284.4	317.3	332.8	340.5	340.5	338.6	377.3	439.2	452.7	439.2
107.5°	359.5	368.4	407.0	448.4	457.3	459.7	449.6	443.8	441.5	443.0	441.5
110°	412.1	425.6	472.1	524.3	537.8	541.7	537.8	532.0	528.2	528.2	528.2



TEST NUMBER: P1428566

CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	463.2	482.9	535.5	595.5	618.3	629.9	621.4	617.2	613.3	616.4	613.3
115°	541.7	570.7	640.4	702.3	748.7	754.5	752.6	752.6	750.6	750.6	750.6
117.5°	614.4	660.9	739.0	811.0	864.8	880.3	888.0	885.7	883.4	887.2	883.4
120°	665.5	719.7	808.7	889.9	942.2	965.4	973.1	969.3	973.1	969.3	973.1
122.5°	719.7	786.2	873.7	958.0	1019.6	1045.9	1055.2	1055.9	1056.7	1054.4	1056.7
125°	800.9	882.2	984.7	1071.8	1135.6	1166.6	1174.3	1176.3	1180.1	1189.8	1180.1
127.5°	883.0	975.1	1087.7	1171.6	1237.0	1274.5	1286.5	1290.8	1298.9	1303.2	1298.9
130°	940.2	1044.7	1158.8	1238.2	1302.0	1342.6	1363.9	1369.7	1379.4	1377.5	1379.4
132.5°	1000.6	1109.7	1225.4	1307.8	1367.0	1410.7	1428.9	1445.6	1449.0	1451.8	1449.0
135°	1089.2	1207.2	1323.3	1404.5	1460.7	1503.2	1526.4	1541.9	1551.6	1557.4	1551.6
137.5°	1182.5	1307.0	1418.5	1490.8	1547.3	1584.1	1610.4	1626.6	1636.7	1641.3	1636.7
140°	1245.9	1365.9	1474.2	1549.6	1599.9	1636.7	1659.9	1679.3	1690.9	1690.9	1690.9
142.5°	1306.3	1424.7	1529.9	1605.4	1649.5	1683.1	1707.9	1722.6	1735.8	1735.8	1735.8
145°	1391.0	1509.0	1605.8	1681.2	1718.0	1748.9	1776.0	1787.6	1795.3	1795.3	1795.3
147.5°	1479.6	1584.1	1672.3	1744.7	1775.6	1812.0	1833.3	1842.6	1852.2	1848.0	1852.2
150°	1532.2	1629.0	1714.1	1781.8	1812.8	1847.6	1868.9	1876.6	1886.3	1880.5	1886.3
152.5°	1583.3	1675.4	1752.8	1815.9	1842.2	1877.0	1901.4	1909.1	1915.7	1911.4	1915.7
155°	1652.2	1733.4	1805.0	1863.1	1886.3	1919.2	1942.4	1952.1	1959.8	1950.1	1959.8
157.5°	1713.7	1783.7	1846.0	1899.4	1924.2	1952.4	1974.1	1986.1	1993.8	1989.6	1993.8
160°	1750.8	1814.7	1870.8	1921.1	1944.3	1969.5	1992.7	2006.2	2014.0	2008.2	2014.0
162.5°	1781.8	1839.5	1892.5	1938.1	1958.2	1980.3	2008.2	2020.2	2027.9	2020.5	2027.9
165°	1826.3	1872.7	1919.2	1957.9	1975.3	1992.7	2021.7	2035.2	2041.0	2033.3	2041.0
167.5°	1860.0	1895.6	1933.1	1966.4	1979.1	1996.2	2025.2	2036.4	2043.8	2034.1	2043.8
170°	1878.5	1909.5	1942.4	1969.5	1979.1	1994.6	2023.6	2033.3	2039.1	2029.4	2039.1
172.5°	1894.0	1917.2	1943.9	1967.9	1972.9	1985.3	2012.8	2022.5	2026.7	2018.6	2026.7
175°	1909.5	1923.0	1942.4	1957.9	1955.9	1963.7	1986.9	1994.6	2002.4	1990.7	2002.4
177.5°	1916.8	1923.0	1929.2	1938.5	1932.3	1932.3	1949.3	1954.0	1955.5	1949.3	1955.5
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428566

CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	2011.3	2006.1	1998.5	1998.4	2005.5	2011.5	2013.9	2016.3	2013.9	2011.5	2005.5
5°	2018.5	2009.8	1997.9	1995.9	2004.1	2010.9	2013.9	2016.9	2013.9	2010.9	2004.1
7.5°	2017.7	2011.4	2002.4	2001.0	2007.2	2012.2	2013.5	2014.8	2013.5	2012.2	2007.2
10°	2015.6	2008.9	1999.5	1999.3	2008.2	2014.9	2014.4	2014.0	2014.4	2014.9	2008.2
12.5°	2007.5	2002.7	1995.4	1998.2	2011.3	2020.2	2016.7	2013.2	2016.7	2020.2	2011.3
15°	1981.2	1982.3	1982.3	1991.5	2009.8	2021.9	2015.1	2008.2	2015.1	2021.9	2009.8
17.5°	1933.8	1940.1	1946.7	1962.2	1986.8	2003.1	1995.0	1986.9	1995.0	2003.1	1986.8
20°	1892.3	1900.8	1911.5	1931.2	1959.8	1979.3	1971.2	1963.0	1971.2	1979.3	1959.8
22.5°	1848.9	1858.5	1870.2	1891.4	1922.1	1942.9	1934.1	1925.3	1934.1	1942.9	1922.1
25°	1779.1	1786.7	1795.3	1815.1	1846.3	1868.0	1861.2	1854.3	1861.2	1868.0	1846.3
27.5°	1678.8	1687.8	1697.5	1717.0	1746.2	1767.2	1763.5	1759.7	1763.5	1767.2	1746.2
30°	1601.7	1613.9	1626.7	1644.7	1667.8	1684.6	1682.9	1681.2	1682.9	1684.6	1667.8
32.5°	1516.8	1528.0	1540.1	1556.4	1576.7	1591.5	1589.8	1588.1	1589.8	1591.5	1576.7
35°	1366.5	1379.2	1393.3	1406.6	1419.0	1428.5	1429.3	1430.2	1429.3	1428.5	1419.0
37.5°	1186.0	1196.5	1207.7	1218.1	1228.0	1235.0	1233.8	1232.6	1233.8	1235.0	1228.0
40°	1043.0	1055.7	1072.0	1084.2	1092.3	1098.2	1097.3	1096.5	1097.3	1098.2	1092.3
42.5°	903.3	915.2	927.7	939.5	950.7	955.9	943.1	930.3	943.1	955.9	950.7
45°	676.5	697.9	712.9	720.4	720.4	710.7	671.8	632.9	671.8	710.7	720.4
47.5°	398.6	444.4	488.9	499.1	475.1	446.0	401.7	357.4	401.7	446.0	475.1
50°	239.2	289.5	351.1	362.0	322.2	284.9	255.0	225.1	255.0	284.9	322.2
52.5°	168.8	210.0	262.0	267.1	225.3	190.1	174.9	159.7	174.9	190.1	225.3
55°	104.9	123.4	146.9	148.2	127.3	110.2	104.6	99.1	104.6	110.2	127.3
57.5°	70.4	77.9	86.1	86.1	77.9	70.3	64.6	58.9	64.6	70.3	77.9
60°	46.0	53.5	62.1	62.9	56.1	49.8	45.1	40.4	45.1	49.8	56.1
62.5°	36.7	42.3	49.1	49.6	43.8	38.9	37.0	35.0	37.0	38.9	43.8
65°	30.6	31.4	32.3	32.5	32.1	31.6	31.2	30.8	31.2	31.6	32.1
67.5°	26.9	27.2	27.3	27.5	27.8	28.0	27.6	27.1	27.6	28.0	27.8
70°	23.9	24.4	24.8	25.0	25.0	24.9	24.5	24.0	24.5	24.9	25.0
72.5°	21.5	21.8	21.9	22.1	22.4	22.6	22.2	21.7	22.2	22.6	22.4
75°	17.2	17.6	18.1	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
77.5°	13.7	13.8	13.8	14.1	14.5	14.7	14.3	13.8	14.3	14.7	14.5
80°	11.4	11.5	11.5	11.8	12.2	12.4	12.0	11.5	12.0	12.4	12.2
82.5°	9.1	9.2	9.2	9.3	9.4	9.4	9.3	9.2	9.3	9.4	9.4
85°	4.8	4.8	4.8	5.0	5.5	5.8	5.8	5.8	5.8	5.8	5.5
87.5°	9.7	9.3	9.3	9.1	8.2	6.9	4.6	2.7	4.6	6.5	9.0
90°	40.6	38.7	38.7	36.8	31.0	23.2	13.5	5.8	13.5	21.3	34.8
92.5°	48.4	48.0	44.9	41.4	34.0	34.0	33.7	21.3	36.8	52.2	75.1
95°	44.5	44.5	52.2	65.8	96.7	98.7	65.8	60.0	85.1	119.9	150.9
97.5°	120.3	143.2	175.7	181.9	172.2	128.5	123.0	114.5	155.9	190.4	240.3
100°	222.5	251.5	274.7	228.3	179.9	178.0	166.4	162.5	207.0	239.9	288.3
102.5°	347.8	356.7	276.3	250.0	238.7	230.6	212.8	210.5	255.0	300.3	340.9
105°	377.3	338.6	340.5	340.5	332.8	317.3	284.4	282.5	332.8	385.0	435.3
107.5°	443.8	449.6	459.7	457.3	448.4	407.0	368.4	359.5	404.7	467.4	522.7
110°	532.0	537.8	541.7	537.8	524.3	472.1	425.6	412.1	452.7	518.5	578.5



TEST NUMBER: P1428566

CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	617.2	621.4	629.9	618.3	595.5	535.5	482.9	463.2	503.8	571.1	632.6
115°	752.6	752.6	754.5	748.7	702.3	640.4	570.7	541.7	576.5	638.4	706.1
117.5°	885.7	888.0	880.3	864.8	811.0	739.0	660.9	614.4	641.9	707.3	777.0
120°	969.3	973.1	965.4	942.2	889.9	808.7	719.7	665.5	686.8	750.6	820.3
122.5°	1055.9	1055.2	1045.9	1019.6	958.0	873.7	786.2	719.7	728.6	787.8	855.9
125°	1176.3	1174.3	1166.6	1135.6	1071.8	984.7	882.2	800.9	789.3	839.6	909.3
127.5°	1290.8	1286.5	1274.5	1237.0	1171.6	1087.7	975.1	883.0	857.0	888.8	952.6
130°	1369.7	1363.9	1342.6	1302.0	1238.2	1158.8	1044.7	940.2	903.5	922.8	978.9
132.5°	1445.6	1428.9	1410.7	1367.0	1307.8	1225.4	1109.7	1000.6	949.9	958.4	1002.1
135°	1541.9	1526.4	1503.2	1460.7	1404.5	1323.3	1207.2	1089.2	1019.6	1011.8	1037.0
137.5°	1626.6	1610.4	1584.1	1547.3	1490.8	1418.5	1307.0	1182.5	1094.6	1068.7	1078.4
140°	1679.3	1659.9	1636.7	1599.9	1549.6	1474.2	1365.9	1245.9	1147.2	1110.5	1104.7
142.5°	1722.6	1707.9	1683.1	1649.5	1605.4	1529.9	1424.7	1306.3	1201.4	1153.8	1140.3
145°	1787.6	1776.0	1748.9	1718.0	1681.2	1605.8	1509.0	1391.0	1286.5	1224.6	1195.6
147.5°	1842.6	1833.3	1812.0	1775.6	1744.7	1672.3	1584.1	1479.6	1372.4	1295.8	1258.3
150°	1876.6	1868.9	1847.6	1812.8	1781.8	1714.1	1629.0	1532.2	1429.7	1348.4	1300.1
152.5°	1909.1	1901.4	1877.0	1842.2	1815.9	1752.8	1675.4	1583.3	1479.2	1398.0	1348.1
155°	1952.1	1942.4	1919.2	1886.3	1863.1	1805.0	1733.4	1652.2	1563.2	1478.1	1422.0
157.5°	1986.1	1974.1	1952.4	1924.2	1899.4	1846.0	1783.7	1713.7	1635.9	1554.7	1497.4
160°	2006.2	1992.7	1969.5	1944.3	1921.1	1870.8	1814.7	1750.8	1679.3	1605.8	1543.8
162.5°	2020.2	2008.2	1980.3	1958.2	1938.1	1892.5	1839.5	1781.8	1718.0	1653.7	1596.5
165°	2035.2	2021.7	1992.7	1975.3	1957.9	1919.2	1872.7	1826.3	1772.1	1719.9	1673.5
167.5°	2036.4	2025.2	1996.2	1979.1	1966.4	1933.1	1895.6	1860.0	1817.8	1776.8	1738.1
170°	2033.3	2023.6	1994.6	1979.1	1969.5	1942.4	1909.5	1878.5	1845.6	1810.8	1779.9
172.5°	2022.5	2012.8	1985.3	1972.9	1967.9	1943.9	1917.2	1894.0	1865.8	1840.2	1815.5
175°	1994.6	1986.9	1963.7	1955.9	1957.9	1942.4	1923.0	1909.5	1892.1	1876.6	1863.1
177.5°	1954.0	1949.3	1932.3	1932.3	1938.5	1929.2	1923.0	1916.8	1909.1	1904.5	1899.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428566

CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3	2006.3
2.5°	1998.4	1998.5	2006.1	2011.3	2009.6	2007.9	2009.6	2011.3	2006.1	1998.5	1998.4
5°	1995.9	1997.9	2009.8	2018.5	2017.2	2015.9	2017.2	2018.5	2009.8	1997.9	1995.9
7.5°	2001.0	2002.4	2011.4	2017.7	2015.8	2013.8	2015.8	2017.7	2011.4	2002.4	2001.0
10°	1999.3	1999.5	2008.9	2015.6	2014.3	2013.0	2014.3	2015.6	2008.9	1999.5	1999.3
12.5°	1998.2	1995.4	2002.7	2007.5	2004.5	2001.5	2004.5	2007.5	2002.7	1995.4	1998.2
15°	1991.5	1982.3	1982.3	1981.2	1976.9	1972.6	1976.9	1981.2	1982.3	1982.3	1991.5
17.5°	1962.2	1946.7	1940.1	1933.8	1928.6	1923.4	1928.6	1933.8	1940.1	1946.7	1962.2
20°	1931.2	1911.5	1900.8	1892.3	1890.1	1888.0	1890.1	1892.3	1900.8	1911.5	1931.2
22.5°	1891.4	1870.2	1858.5	1848.9	1845.3	1841.8	1845.3	1848.9	1858.5	1870.2	1891.4
25°	1815.1	1795.3	1786.7	1779.1	1774.4	1769.7	1774.4	1779.1	1786.7	1795.3	1815.1
27.5°	1717.0	1697.5	1687.8	1678.8	1672.3	1665.8	1672.3	1678.8	1687.8	1697.5	1717.0
30°	1644.7	1626.7	1613.9	1601.7	1591.5	1581.2	1591.5	1601.7	1613.9	1626.7	1644.7
32.5°	1556.4	1540.1	1528.0	1516.8	1508.6	1500.4	1508.6	1516.8	1528.0	1540.1	1556.4
35°	1406.6	1393.3	1379.2	1366.5	1358.0	1349.4	1358.0	1366.5	1379.2	1393.3	1406.6
37.5°	1218.1	1207.7	1196.5	1186.0	1177.4	1168.8	1177.4	1186.0	1196.5	1207.7	1218.1
40°	1084.2	1072.0	1055.7	1043.0	1040.9	1038.7	1040.9	1043.0	1055.7	1072.0	1084.2
42.5°	939.5	927.7	915.2	903.3	893.3	883.3	893.3	903.3	915.2	927.7	939.5
45°	720.4	712.9	697.9	676.5	635.4	594.4	635.4	676.5	697.9	712.9	720.4
47.5°	499.1	488.9	444.4	398.6	348.8	298.9	348.8	398.6	444.4	488.9	499.1
50°	362.0	351.1	289.5	239.2	222.5	205.8	222.5	239.2	289.5	351.1	362.0
52.5°	267.1	262.0	210.0	168.8	160.0	151.2	160.0	168.8	210.0	262.0	267.1
55°	148.2	146.9	123.4	104.9	101.5	98.1	101.5	104.9	123.4	146.9	148.2
57.5°	86.1	86.1	77.9	70.4	65.0	59.6	65.0	70.4	77.9	86.1	86.1
60°	62.9	62.1	53.5	46.0	41.3	36.5	41.3	46.0	53.5	62.1	62.9
62.5°	49.6	49.1	42.3	36.7	35.1	33.5	35.1	36.7	42.3	49.1	49.6
65°	32.5	32.3	31.4	30.6	29.7	28.9	29.7	30.6	31.4	32.3	32.5
67.5°	27.5	27.3	27.2	26.9	26.2	25.4	26.2	26.9	27.2	27.3	27.5
70°	25.0	24.8	24.4	23.9	23.5	23.1	23.5	23.9	24.4	24.8	25.0
72.5°	22.1	21.9	21.8	21.5	20.8	20.0	20.8	21.5	21.8	21.9	22.1
75°	18.3	18.1	17.6	17.2	16.8	16.4	16.8	17.2	17.6	18.1	18.3
77.5°	14.1	13.8	13.8	13.7	13.3	12.9	13.3	13.7	13.8	13.8	14.1
80°	11.8	11.5	11.5	11.4	11.0	10.6	11.0	11.4	11.5	11.5	11.8
82.5°	9.3	9.2	9.2	9.1	8.7	8.3	8.7	9.1	9.2	9.2	9.3
85°	5.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0
87.5°	10.6	13.1	15.9	17.4	19.0	18.2	19.0	17.4	15.9	13.1	10.6
90°	44.5	58.0	71.6	79.3	87.1	83.2	87.1	79.3	71.6	58.0	44.5
92.5°	89.4	112.2	128.8	142.8	149.0	148.2	149.0	142.8	128.8	112.2	89.4
95°	179.9	207.0	234.1	253.4	265.0	261.2	265.0	253.4	234.1	207.0	179.9
97.5°	277.4	313.8	344.0	362.2	373.8	381.5	373.8	362.2	344.0	313.8	277.4
100°	342.4	377.3	412.1	433.4	452.7	460.4	452.7	433.4	412.1	377.3	342.4
102.5°	395.1	440.7	478.6	501.5	517.7	525.4	517.7	501.5	478.6	440.7	395.1
105°	481.7	530.1	570.7	599.7	617.2	623.0	617.2	599.7	570.7	530.1	481.7
107.5°	568.4	618.3	655.8	688.0	709.2	721.6	709.2	688.0	655.8	618.3	568.4
110°	636.5	677.1	717.8	746.8	768.1	775.8	768.1	746.8	717.8	677.1	636.5



TEST NUMBER: P1428566

CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	693.8	739.0	779.7	808.7	833.1	843.9	833.1	808.7	779.7	739.0	693.8
115°	773.9	833.8	870.6	897.7	915.1	924.8	915.1	897.7	870.6	833.8	773.9
117.5°	840.4	903.1	943.3	964.2	972.4	979.3	972.4	964.2	943.3	903.1	840.4
120°	882.2	940.2	986.7	1013.8	1023.4	1027.3	1023.4	1013.8	986.7	940.2	882.2
122.5°	920.9	975.8	1020.7	1054.0	1069.9	1073.7	1069.9	1054.0	1020.7	975.8	920.9
125°	975.1	1027.3	1073.7	1106.6	1124.0	1133.7	1124.0	1106.6	1073.7	1027.3	975.1
127.5°	1022.3	1078.8	1121.3	1151.1	1168.1	1175.9	1168.1	1151.1	1121.3	1078.8	1022.3
130°	1048.6	1106.6	1149.2	1182.1	1197.5	1205.3	1197.5	1182.1	1149.2	1106.6	1048.6
132.5°	1068.7	1129.8	1173.9	1203.7	1220.8	1228.5	1220.8	1203.7	1173.9	1129.8	1068.7
135°	1093.1	1156.9	1203.3	1232.4	1247.8	1255.6	1247.8	1232.4	1203.3	1156.9	1093.1
137.5°	1114.4	1172.4	1220.8	1251.3	1265.3	1270.3	1265.3	1251.3	1220.8	1172.4	1114.4
140°	1129.8	1180.1	1228.5	1257.5	1273.0	1274.9	1273.0	1257.5	1228.5	1180.1	1129.8
142.5°	1150.0	1189.4	1231.6	1260.6	1276.1	1279.6	1276.1	1260.6	1231.6	1189.4	1150.0
145°	1185.9	1209.2	1238.2	1265.3	1278.8	1282.7	1278.8	1265.3	1238.2	1209.2	1185.9
147.5°	1231.2	1238.6	1253.6	1271.4	1284.6	1287.3	1284.6	1271.4	1253.6	1238.6	1231.2
150°	1265.3	1263.3	1269.1	1280.7	1292.3	1290.4	1292.3	1280.7	1269.1	1263.3	1265.3
152.5°	1303.9	1292.7	1292.3	1297.8	1303.2	1302.8	1303.2	1297.8	1292.3	1292.7	1303.9
155°	1369.7	1348.4	1336.8	1333.0	1333.0	1331.0	1333.0	1333.0	1336.8	1348.4	1369.7
157.5°	1442.1	1412.3	1394.9	1385.6	1382.9	1378.6	1382.9	1385.6	1394.9	1412.3	1442.1
160°	1491.6	1458.7	1441.3	1425.8	1420.0	1414.2	1420.0	1425.8	1441.3	1458.7	1491.6
162.5°	1538.0	1506.7	1487.7	1473.8	1468.0	1459.1	1468.0	1473.8	1487.7	1506.7	1538.0
165°	1613.5	1580.6	1559.3	1547.7	1540.0	1532.2	1540.0	1547.7	1559.3	1580.6	1613.5
167.5°	1688.9	1653.0	1639.0	1625.9	1618.5	1604.6	1618.5	1625.9	1639.0	1653.0	1688.9
170°	1735.4	1702.5	1694.7	1683.1	1669.6	1654.1	1669.6	1683.1	1694.7	1702.5	1735.4
172.5°	1775.6	1753.6	1745.8	1734.2	1730.0	1717.6	1730.0	1734.2	1745.8	1753.6	1775.6
175°	1834.0	1816.6	1816.6	1814.7	1808.9	1797.3	1808.9	1814.7	1816.6	1816.6	1834.0
177.5°	1882.8	1873.5	1879.7	1879.7	1878.1	1867.3	1878.1	1879.7	1879.7	1873.5	1882.8
180°	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428566

CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2006.3	2006.3	2006.3	2006.3
2.5°	2005.5	2011.5	2013.9	2016.3
5°	2004.1	2010.9	2013.9	2016.9
7.5°	2007.2	2012.2	2013.5	2014.8
10°	2008.2	2014.9	2014.4	2014.0
12.5°	2011.3	2020.2	2016.7	2013.2
15°	2009.8	2021.9	2015.1	2008.2
17.5°	1986.8	2003.1	1995.0	1986.9
20°	1959.8	1979.3	1971.2	1963.0
22.5°	1922.1	1942.9	1934.1	1925.3
25°	1846.3	1868.0	1861.2	1854.3
27.5°	1746.2	1767.2	1763.5	1759.7
30°	1667.8	1684.6	1682.9	1681.2
32.5°	1576.7	1591.5	1589.8	1588.1
35°	1419.0	1428.5	1429.3	1430.2
37.5°	1228.0	1235.0	1233.8	1232.6
40°	1092.3	1098.2	1097.3	1096.5
42.5°	950.7	955.9	943.1	930.3
45°	720.4	710.7	671.8	632.9
47.5°	475.1	446.0	401.7	357.4
50°	322.2	284.9	255.0	225.1
52.5°	225.3	190.1	174.9	159.7
55°	127.3	110.2	104.6	99.1
57.5°	77.9	70.3	64.6	58.9
60°	56.1	49.8	45.1	40.4
62.5°	43.8	38.9	37.0	35.0
65°	32.1	31.6	31.2	30.8
67.5°	27.8	28.0	27.6	27.1
70°	25.0	24.9	24.5	24.0
72.5°	22.4	22.6	22.2	21.7
75°	18.3	18.3	18.3	18.3
77.5°	14.5	14.7	14.3	13.8
80°	12.2	12.4	12.0	11.5
82.5°	9.4	9.4	9.3	9.2
85°	5.5	5.8	5.8	5.8
87.5°	9.0	6.5	4.6	2.7
90°	34.8	21.3	13.5	5.8
92.5°	75.1	52.2	36.8	21.3
95°	150.9	119.9	85.1	60.0
97.5°	240.3	190.4	155.9	114.5
100°	288.3	239.9	207.0	162.5
102.5°	340.9	300.3	255.0	210.5
105°	435.3	385.0	332.8	282.5
107.5°	522.7	467.4	404.7	359.5
110°	578.5	518.5	452.7	412.1



TEST NUMBER: P1428566

CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	632.6	571.1	503.8	463.2
115°	706.1	638.4	576.5	541.7
117.5°	777.0	707.3	641.9	614.4
120°	820.3	750.6	686.8	665.5
122.5°	855.9	787.8	728.6	719.7
125°	909.3	839.6	789.3	800.9
127.5°	952.6	888.8	857.0	883.0
130°	978.9	922.8	903.5	940.2
132.5°	1002.1	958.4	949.9	1000.6
135°	1037.0	1011.8	1019.6	1089.2
137.5°	1078.4	1068.7	1094.6	1182.5
140°	1104.7	1110.5	1147.2	1245.9
142.5°	1140.3	1153.8	1201.4	1306.3
145°	1195.6	1224.6	1286.5	1391.0
147.5°	1258.3	1295.8	1372.4	1479.6
150°	1300.1	1348.4	1429.7	1532.2
152.5°	1348.1	1398.0	1479.2	1583.3
155°	1422.0	1478.1	1563.2	1652.2
157.5°	1497.4	1554.7	1635.9	1713.7
160°	1543.8	1605.8	1679.3	1750.8
162.5°	1596.5	1653.7	1718.0	1781.8
165°	1673.5	1719.9	1772.1	1826.3
167.5°	1738.1	1776.8	1817.8	1860.0
170°	1779.9	1810.8	1845.6	1878.5
172.5°	1815.5	1840.2	1865.8	1894.0
175°	1863.1	1876.6	1892.1	1909.5
177.5°	1899.8	1904.5	1909.1	1916.8
180°	1915.3	1915.3	1915.3	1915.3



TEST NUMBER: P1428566
 CATALOG NUMBER: SQ2W-WBM-K-150U-075D-L930-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	2.49	3.14	3.58	4.22	5.69	2.47	3.13	3.57	4.20	5.67
	3H	3.17	3.76	4.28	4.84	6.33	3.09	3.67	4.19	4.76	6.24
	4H	3.53	4.09	4.65	5.17	6.66	3.39	3.95	4.51	5.03	6.52
	6H	3.80	4.31	4.92	5.40	6.90	3.62	4.13	4.74	5.22	6.72
	8H	3.92	4.40	5.04	5.50	7.00	3.72	4.20	4.84	5.30	6.80
	12H	3.99	4.45	5.12	5.54	7.06	3.77	4.22	4.89	5.32	6.84
4H	2H	2.57	3.12	3.69	4.21	5.70	2.56	3.11	3.68	4.20	5.69
	3H	3.51	3.96	4.63	5.08	6.58	3.43	3.88	4.55	4.99	6.50
	4H	4.01	4.43	5.14	5.53	7.06	3.87	4.28	4.99	5.39	6.91
	6H	4.44	4.80	5.57	5.92	7.44	4.24	4.59	5.37	5.72	7.24
	8H	4.63	4.96	5.76	6.08	7.61	4.40	4.74	5.53	5.85	7.38
	12H	4.75	5.05	5.90	6.18	7.71	4.49	4.79	5.64	5.92	7.46
8H	4H	4.13	4.46	5.26	5.58	7.11	3.99	4.33	5.12	5.44	6.97
	6H	4.70	4.98	5.86	6.14	7.66	4.51	4.78	5.66	5.94	7.47
	8H	5.00	5.24	6.15	6.37	7.92	4.78	5.02	5.94	6.16	7.70
	12H	5.21	5.42	6.37	6.56	8.14	4.95	5.16	6.11	6.29	7.88
12H	4H	4.10	4.40	5.25	5.53	7.07	3.97	4.28	5.12	5.40	6.94
	6H	4.74	4.98	5.90	6.12	7.67	4.56	4.80	5.71	5.93	7.48
	8H	5.06	5.27	6.22	6.41	7.99	4.85	5.06	6.01	6.20	7.78