

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: P1428488

Luminaire Tested: SQ2W-PW1-K-150U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428488  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PW1-K-150U-125D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE WAVES LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1500 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

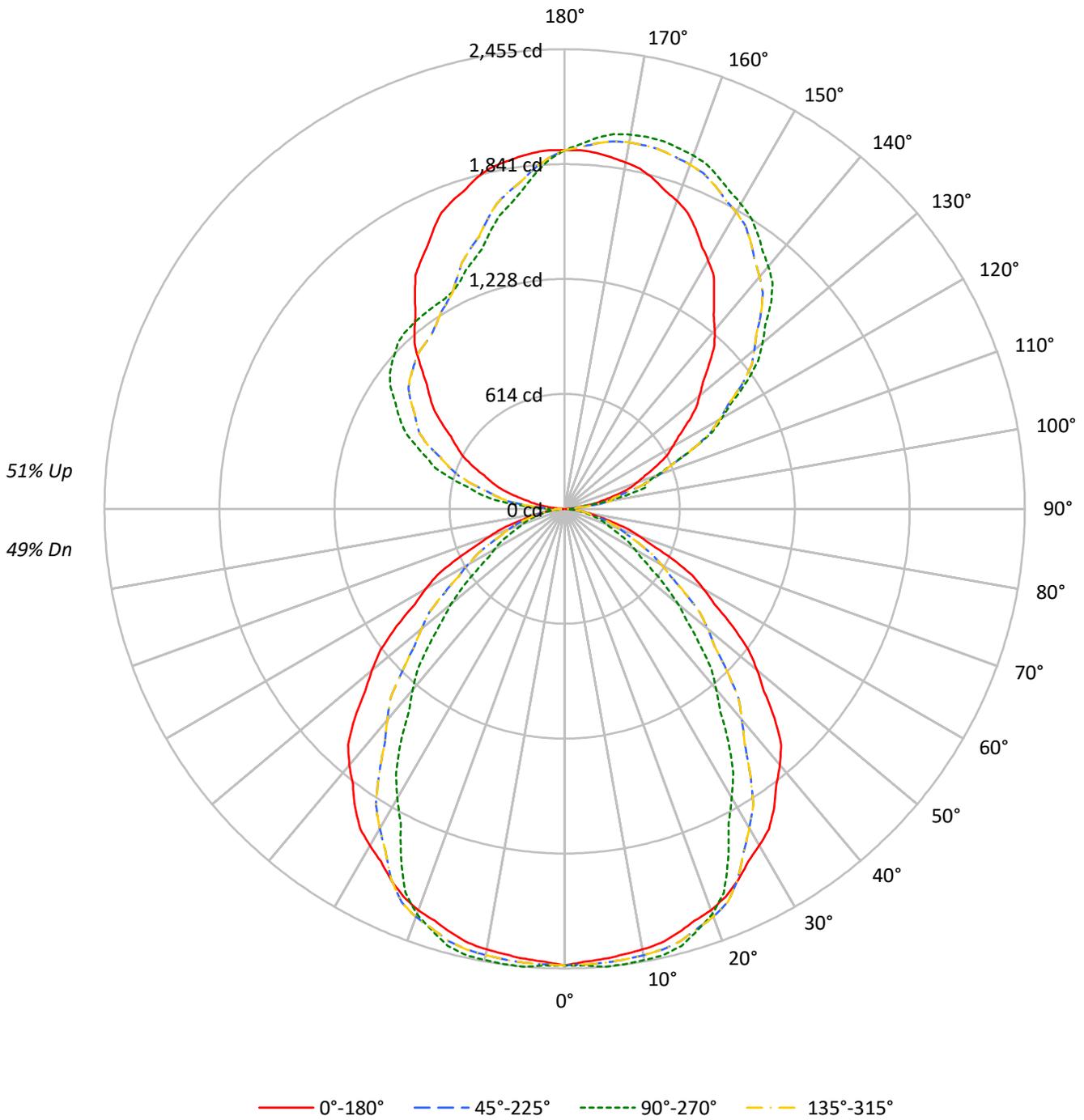
Lumens per Lamp: N/A  
Luminaire Lumens: 11012.1 lumens  
Efficiency: N/A  
Efficacy: 105.6 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 104.3  
Input Voltage (V): 120  
Input Current (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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	49
1	98	94	90	87	90	87	84	81	74	71	69	61	60	58	50	49	48	43
2	90	83	77	72	83	77	72	67	65	61	58	54	52	49	45	43	41	37
3	82	73	66	61	76	68	62	57	58	53	50	49	45	42	40	38	36	32
4	76	65	58	52	69	61	54	49	52	47	43	44	40	37	36	33	31	28
5	70	58	50	45	64	54	47	42	47	41	37	39	35	32	33	30	27	24
6	64	52	45	39	59	49	42	37	42	37	33	36	32	29	30	27	24	22
7	59	48	40	34	55	44	37	33	38	33	29	33	29	25	27	24	22	19
8	55	43	36	31	51	40	34	29	35	30	26	30	26	23	25	22	20	17
9	52	40	32	27	48	37	30	26	32	27	23	28	24	21	23	20	18	16
10	48	36	29	25	45	34	28	23	30	25	21	26	22	19	22	19	16	14

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

	0°	90°	180°	270°
0°	39377	39377	39377	39377
5°	39115	39792	39115	39792
10°	39186	40137	39186	40137
15°	39175	40379	39175	40379
20°	39192	39590	39192	39590
25°	38980	36787	38980	36787
30°	38715	33258	38715	33258
35°	38411	30034	38411	30034
40°	37647	26535	37647	26535
45°	36172	23178	36172	23178
50°	33666	19838	33666	19838
55°	30795	16084	30795	16084
60°	27602	13875	27602	13875
65°	24137	12336	24137	12336
70°	19737	11183	19737	11183
75°	15358	10287	15358	10287
80°	11446	9075	11446	9075
85°	7743	5168	7743	5168

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 36172 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.2	2.1
10°-20°	672.9	6.1
20°-30°	990.3	9.0
30°-40°	1082.7	9.8
40°-50°	971.3	8.8
50°-60°	724.5	6.6
60°-70°	457.9	4.2
70°-80°	226.9	2.1
80°-90°	61.0	0.6
90°-100°	152.4	1.4
100°-110°	444.5	4.0
110°-120°	725.4	6.6
120°-130°	920.5	8.4
130°-140°	985.0	8.9
140°-150°	919.8	8.4
150°-160°	756.8	6.9
160°-170°	507.6	4.6
170°-180°	180.2	1.6
0°-30°	1895.4	17.2
0°-40°	2978.2	27.0
0°-60°	4674.0	42.4
0°-90°	5419.8	49.2
90°-120°	1322.4	12.0
90°-150°	4147.7	37.7
90°-180°	5592.0	50.8
0°-180°	11012.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2439	2439	2439	2439	2439	
5°	2413	2455	2413	2455	2413	230
15°	2344	2416	2344	2416	2344	662
25°	2188	2065	2188	2065	2188	1008
35°	1949	1524	1949	1524	1949	1215
45°	1584	1015	1584	1015	1584	1215
55°	1094	571	1094	571	1094	977
65°	632	323	632	323	632	626
75°	246	165	246	165	246	271
85°	42	28	42	28	42	53
90°	6	43	6	83	6	6
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9
2.5°	2422.2	2436.3	2450.3	2447.0	2437.9	2433.8	2434.6	2435.8	2438.3	2440.8	2438.3
5°	2413.4	2430.9	2448.5	2445.9	2436.6	2432.5	2433.5	2436.6	2445.9	2455.2	2445.9
7.5°	2401.3	2419.1	2436.8	2436.0	2429.0	2427.2	2430.7	2435.6	2444.7	2453.8	2444.7
10°	2390.2	2408.7	2427.3	2427.3	2421.1	2420.6	2425.8	2431.7	2440.0	2448.2	2440.0
12.5°	2375.3	2394.7	2414.1	2415.6	2411.0	2411.7	2417.7	2424.3	2432.5	2440.8	2432.5
15°	2343.7	2364.4	2385.0	2389.4	2388.4	2391.5	2398.7	2405.4	2410.6	2415.7	2410.6
17.5°	2307.0	2327.7	2348.3	2352.4	2350.9	2351.1	2353.0	2355.0	2357.5	2360.0	2357.5
20°	2281.0	2301.6	2322.3	2325.1	2322.0	2316.9	2309.6	2304.2	2304.2	2304.2	2304.2
22.5°	2243.8	2266.1	2288.4	2288.6	2281.4	2267.9	2248.3	2232.0	2225.3	2218.7	2225.3
25°	2188.1	2209.8	2231.4	2221.4	2200.7	2170.3	2130.0	2095.9	2080.5	2065.0	2080.5
27.5°	2123.0	2140.6	2158.1	2131.9	2091.0	2042.0	1984.8	1936.5	1915.0	1893.5	1915.0
30°	2076.6	2090.0	2103.4	2061.9	2002.0	1940.6	1877.6	1825.2	1804.6	1783.9	1804.6
32.5°	2028.3	2033.4	2038.6	1983.8	1909.1	1839.0	1773.5	1718.9	1696.6	1674.3	1696.6
35°	1948.8	1939.5	1930.2	1857.5	1763.5	1683.5	1617.4	1563.0	1543.4	1523.8	1543.4
37.5°	1855.0	1827.3	1799.7	1717.6	1617.5	1532.8	1463.7	1406.4	1384.7	1363.0	1384.7
40°	1786.2	1747.0	1707.8	1619.8	1515.5	1428.8	1359.6	1302.3	1280.6	1259.0	1280.6
42.5°	1710.0	1660.9	1611.8	1521.3	1417.0	1330.3	1261.1	1203.6	1181.1	1158.6	1181.1
45°	1584.2	1526.3	1468.5	1374.3	1268.0	1181.3	1114.2	1058.4	1036.7	1015.1	1036.7
47.5°	1442.5	1385.1	1327.7	1233.7	1127.6	1042.0	977.0	923.5	905.0	886.4	905.0
50°	1340.3	1284.5	1228.8	1138.9	1037.8	954.7	889.6	835.2	812.5	789.8	812.5
52.5°	1236.2	1186.2	1136.3	1049.8	951.1	868.4	801.7	743.9	712.9	682.0	712.9
55°	1094.0	1046.6	999.1	917.5	824.6	741.0	666.6	606.5	589.0	571.4	589.0
57.5°	947.7	906.6	865.5	792.2	708.2	632.4	564.9	510.7	496.2	481.7	496.2
60°	854.8	818.7	782.5	712.3	630.8	561.6	504.8	458.6	444.2	429.7	444.2
62.5°	765.6	733.6	701.6	634.3	555.2	493.1	447.8	410.9	399.0	387.0	399.0
65°	631.8	608.1	584.3	528.8	462.8	411.1	374.0	343.5	333.2	322.9	333.2
67.5°	501.7	488.5	475.3	433.7	382.7	340.9	308.3	282.1	275.3	268.5	275.3
70°	418.1	414.0	409.8	375.5	331.1	295.5	268.7	247.2	242.1	236.9	242.1
72.5°	345.6	347.3	348.9	320.4	281.8	251.9	230.9	214.2	210.7	207.2	210.7
75°	246.2	254.5	262.7	243.9	216.0	194.9	180.4	169.0	167.0	164.9	167.0
77.5°	167.7	180.1	192.5	180.2	159.8	144.2	133.5	125.0	123.4	121.7	123.4
80°	123.1	135.5	147.9	139.4	123.9	112.0	103.8	97.6	97.6	97.6	97.6
82.5°	85.9	95.9	105.8	99.7	88.4	80.6	76.5	73.4	73.4	73.4	73.4
85°	41.8	47.0	52.1	50.3	46.2	41.0	34.8	29.9	28.9	27.9	28.9
87.5°	12.3	16.3	20.7	19.8	16.8	14.8	13.9	13.7	14.1	14.1	14.1
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

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**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



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9
2.5°	2435.8	2434.6	2433.8	2437.9	2447.0	2450.3	2436.3	2422.2	2436.3	2450.3	2447.0
5°	2436.6	2433.5	2432.5	2436.6	2445.9	2448.5	2430.9	2413.4	2430.9	2448.5	2445.9
7.5°	2435.6	2430.7	2427.2	2429.0	2436.0	2436.8	2419.1	2401.3	2419.1	2436.8	2436.0
10°	2431.7	2425.8	2420.6	2421.1	2427.3	2427.3	2408.7	2390.2	2408.7	2427.3	2427.3
12.5°	2424.3	2417.7	2411.7	2411.0	2415.6	2414.1	2394.7	2375.3	2394.7	2414.1	2415.6
15°	2405.4	2398.7	2391.5	2388.4	2389.4	2385.0	2364.4	2343.7	2364.4	2385.0	2389.4
17.5°	2355.0	2353.0	2351.1	2350.9	2352.4	2348.3	2327.7	2307.0	2327.7	2348.3	2352.4
20°	2304.2	2309.6	2316.9	2322.0	2325.1	2322.3	2301.6	2281.0	2301.6	2322.3	2325.1
22.5°	2232.0	2248.3	2267.9	2281.4	2288.6	2288.4	2266.1	2243.8	2266.1	2288.4	2288.6
25°	2095.9	2130.0	2170.3	2200.7	2221.4	2231.4	2209.8	2188.1	2209.8	2231.4	2221.4
27.5°	1936.5	1984.8	2042.0	2091.0	2131.9	2158.1	2140.6	2123.0	2140.6	2158.1	2131.9
30°	1825.2	1877.6	1940.6	2002.0	2061.9	2103.4	2090.0	2076.6	2090.0	2103.4	2061.9
32.5°	1718.9	1773.5	1839.0	1909.1	1983.8	2038.6	2033.4	2028.3	2033.4	2038.6	1983.8
35°	1563.0	1617.4	1683.5	1763.5	1857.5	1930.2	1939.5	1948.8	1939.5	1930.2	1857.5
37.5°	1406.4	1463.7	1532.8	1617.5	1717.6	1799.7	1827.3	1855.0	1827.3	1799.7	1717.6
40°	1302.3	1359.6	1428.8	1515.5	1619.8	1707.8	1747.0	1786.2	1747.0	1707.8	1619.8
42.5°	1203.6	1261.1	1330.3	1417.0	1521.3	1611.8	1660.9	1710.0	1660.9	1611.8	1521.3
45°	1058.4	1114.2	1181.3	1268.0	1374.3	1468.5	1526.3	1584.2	1526.3	1468.5	1374.3
47.5°	923.5	977.0	1042.0	1127.6	1233.7	1327.7	1385.1	1442.5	1385.1	1327.7	1233.7
50°	835.2	889.6	954.7	1037.8	1138.9	1228.8	1284.5	1340.3	1284.5	1228.8	1138.9
52.5°	743.9	801.7	868.4	951.1	1049.8	1136.3	1186.2	1236.2	1186.2	1136.3	1049.8
55°	606.5	666.6	741.0	824.6	917.5	999.1	1046.6	1094.0	1046.6	999.1	917.5
57.5°	510.7	564.9	632.4	708.2	792.2	865.5	906.6	947.7	906.6	865.5	792.2
60°	458.6	504.8	561.6	630.8	712.3	782.5	818.7	854.8	818.7	782.5	712.3
62.5°	410.9	447.8	493.1	555.2	634.3	701.6	733.6	765.6	733.6	701.6	634.3
65°	343.5	374.0	411.1	462.8	528.8	584.3	608.1	631.8	608.1	584.3	528.8
67.5°	282.1	308.3	340.9	382.7	433.7	475.3	488.5	501.7	488.5	475.3	433.7
70°	247.2	268.7	295.5	331.1	375.5	409.8	414.0	418.1	414.0	409.8	375.5
72.5°	214.2	230.9	251.9	281.8	320.4	348.9	347.3	345.6	347.3	348.9	320.4
75°	169.0	180.4	194.9	216.0	243.9	262.7	254.5	246.2	254.5	262.7	243.9
77.5°	125.0	133.5	144.2	159.8	180.2	192.5	180.1	167.7	180.1	192.5	180.2
80°	97.6	103.8	112.0	123.9	139.4	147.9	135.5	123.1	135.5	147.9	139.4
82.5°	73.4	76.5	80.6	88.4	99.7	105.8	95.9	85.9	95.9	105.8	99.7
85°	29.9	34.8	41.0	46.2	50.3	52.1	47.0	41.8	47.0	52.1	50.3
87.5°	13.7	13.9	14.8	16.8	19.8	20.7	16.3	12.3	16.3	20.4	20.6
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: P1428488

CATALOG NUMBER: SQ2W-PW1-K-150U-125D-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



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**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9	2438.9
2.5°	2437.9	2433.8	2434.6	2435.8	2438.3	2440.8	2438.3	2435.8	2434.6	2433.8	2437.9
5°	2436.6	2432.5	2433.5	2436.6	2445.9	2455.2	2445.9	2436.6	2433.5	2432.5	2436.6
7.5°	2429.0	2427.2	2430.7	2435.6	2444.7	2453.8	2444.7	2435.6	2430.7	2427.2	2429.0
10°	2421.1	2420.6	2425.8	2431.7	2440.0	2448.2	2440.0	2431.7	2425.8	2420.6	2421.1
12.5°	2411.0	2411.7	2417.7	2424.3	2432.5	2440.8	2432.5	2424.3	2417.7	2411.7	2411.0
15°	2388.4	2391.5	2398.7	2405.4	2410.6	2415.7	2410.6	2405.4	2398.7	2391.5	2388.4
17.5°	2350.9	2351.1	2353.0	2355.0	2357.5	2360.0	2357.5	2355.0	2353.0	2351.1	2350.9
20°	2322.0	2316.9	2309.6	2304.2	2304.2	2304.2	2304.2	2304.2	2309.6	2316.9	2322.0
22.5°	2281.4	2267.9	2248.3	2232.0	2225.3	2218.7	2225.3	2232.0	2248.3	2267.9	2281.4
25°	2200.7	2170.3	2130.0	2095.9	2080.5	2065.0	2080.5	2095.9	2130.0	2170.3	2200.7
27.5°	2091.0	2042.0	1984.8	1936.5	1915.0	1893.5	1915.0	1936.5	1984.8	2042.0	2091.0
30°	2002.0	1940.6	1877.6	1825.2	1804.6	1783.9	1804.6	1825.2	1877.6	1940.6	2002.0
32.5°	1909.1	1839.0	1773.5	1718.9	1696.6	1674.3	1696.6	1718.9	1773.5	1839.0	1909.1
35°	1763.5	1683.5	1617.4	1563.0	1543.4	1523.8	1543.4	1563.0	1617.4	1683.5	1763.5
37.5°	1617.5	1532.8	1463.7	1406.4	1384.7	1363.0	1384.7	1406.4	1463.7	1532.8	1617.5
40°	1515.5	1428.8	1359.6	1302.3	1280.6	1259.0	1280.6	1302.3	1359.6	1428.8	1515.5
42.5°	1417.0	1330.3	1261.1	1203.6	1181.1	1158.6	1181.1	1203.6	1261.1	1330.3	1417.0
45°	1268.0	1181.3	1114.2	1058.4	1036.7	1015.1	1036.7	1058.4	1114.2	1181.3	1268.0
47.5°	1127.6	1042.0	977.0	923.5	905.0	886.4	905.0	923.5	977.0	1042.0	1127.6
50°	1037.8	954.7	889.6	835.2	812.5	789.8	812.5	835.2	889.6	954.7	1037.8
52.5°	951.1	868.4	801.7	743.9	712.9	682.0	712.9	743.9	801.7	868.4	951.1
55°	824.6	741.0	666.6	606.5	589.0	571.4	589.0	606.5	666.6	741.0	824.6
57.5°	708.2	632.4	564.9	510.7	496.2	481.7	496.2	510.7	564.9	632.4	708.2
60°	630.8	561.6	504.8	458.6	444.2	429.7	444.2	458.6	504.8	561.6	630.8
62.5°	555.2	493.1	447.8	410.9	399.0	387.0	399.0	410.9	447.8	493.1	555.2
65°	462.8	411.1	374.0	343.5	333.2	322.9	333.2	343.5	374.0	411.1	462.8
67.5°	382.7	340.9	308.3	282.1	275.3	268.5	275.3	282.1	308.3	340.9	382.7
70°	331.1	295.5	268.7	247.2	242.1	236.9	242.1	247.2	268.7	295.5	331.1
72.5°	281.8	251.9	230.9	214.2	210.7	207.2	210.7	214.2	230.9	251.9	281.8
75°	216.0	194.9	180.4	169.0	167.0	164.9	167.0	169.0	180.4	194.9	216.0
77.5°	159.8	144.2	133.5	125.0	123.4	121.7	123.4	125.0	133.5	144.2	159.8
80°	123.9	112.0	103.8	97.6	97.6	97.6	97.6	97.6	103.8	112.0	123.9
82.5°	88.4	80.6	76.5	73.4	73.4	73.4	73.4	73.4	76.5	80.6	88.4
85°	46.2	41.0	34.8	29.9	28.9	27.9	28.9	29.9	34.8	41.0	46.2
87.5°	18.4	18.6	20.5	21.4	23.0	22.2	23.0	21.4	20.5	18.6	18.4
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	128.8	112.2	89.4	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: P1428488

CATALOG NUMBER: SQ2W-PW1-K-150U-125D-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: P1428488

CATALOG NUMBER: SQ2W-PW1-K-150U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2438.9	2438.9	2438.9	2438.9
2.5°	2447.0	2450.3	2436.3	2422.2
5°	2445.9	2448.5	2430.9	2413.4
7.5°	2436.0	2436.8	2419.1	2401.3
10°	2427.3	2427.3	2408.7	2390.2
12.5°	2415.6	2414.1	2394.7	2375.3
15°	2389.4	2385.0	2364.4	2343.7
17.5°	2352.4	2348.3	2327.7	2307.0
20°	2325.1	2322.3	2301.6	2281.0
22.5°	2288.6	2288.4	2266.1	2243.8
25°	2221.4	2231.4	2209.8	2188.1
27.5°	2131.9	2158.1	2140.6	2123.0
30°	2061.9	2103.4	2090.0	2076.6
32.5°	1983.8	2038.6	2033.4	2028.3
35°	1857.5	1930.2	1939.5	1948.8
37.5°	1717.6	1799.7	1827.3	1855.0
40°	1619.8	1707.8	1747.0	1786.2
42.5°	1521.3	1611.8	1660.9	1710.0
45°	1374.3	1468.5	1526.3	1584.2
47.5°	1233.7	1327.7	1385.1	1442.5
50°	1138.9	1228.8	1284.5	1340.3
52.5°	1049.8	1136.3	1186.2	1236.2
55°	917.5	999.1	1046.6	1094.0
57.5°	792.2	865.5	906.6	947.7
60°	712.3	782.5	818.7	854.8
62.5°	634.3	701.6	733.6	765.6
65°	528.8	584.3	608.1	631.8
67.5°	433.7	475.3	488.5	501.7
70°	375.5	409.8	414.0	418.1
72.5°	320.4	348.9	347.3	345.6
75°	243.9	262.7	254.5	246.2
77.5°	180.2	192.5	180.1	167.7
80°	139.4	147.9	135.5	123.1
82.5°	99.7	105.8	95.9	85.9
85°	50.3	52.1	47.0	41.8
87.5°	20.6	20.4	16.3	12.3
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: P1428488

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**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: P1428488  
 CATALOG NUMBER: SQ2W-PW1-K-150U-125D-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	19.60	20.42	20.57	21.40	22.69	15.85	16.67	16.82	17.65	18.93
	3H	20.90	21.63	21.88	22.62	23.93	17.12	17.85	18.10	18.84	20.14
	4H	21.31	22.00	22.30	22.99	24.31	17.62	18.31	18.62	19.30	20.62
	6H	21.48	22.12	22.49	23.12	24.45	17.93	18.56	18.93	19.56	20.89
	8H	21.53	22.13	22.54	23.14	24.47	18.04	18.64	19.05	19.66	20.98
	12H	21.53	22.10	22.54	23.11	24.46	18.07	18.64	19.09	19.65	21.00
4H	2H	19.73	20.42	20.73	21.41	22.73	16.65	17.35	17.66	18.34	19.65
	3H	21.26	21.84	22.27	22.86	24.19	18.10	18.67	19.11	19.69	21.02
	4H	21.81	22.33	22.83	23.35	24.70	18.67	19.20	19.69	20.21	21.57
	6H	22.12	22.57	23.15	23.60	24.95	19.06	19.51	20.09	20.54	21.89
	8H	22.21	22.63	23.24	23.66	25.02	19.21	19.63	20.24	20.66	22.02
	12H	22.23	22.61	23.28	23.65	25.02	19.25	19.62	20.29	20.67	22.04
8H	4H	21.84	22.26	22.87	23.29	24.66	19.01	19.43	20.04	20.46	21.83
	6H	22.26	22.61	23.32	23.68	25.04	19.51	19.85	20.56	20.92	22.29
	8H	22.43	22.74	23.50	23.80	25.18	19.72	20.03	20.79	21.09	22.47
	12H	22.51	22.78	23.57	23.83	25.25	19.81	20.07	20.87	21.13	22.55
12H	4H	21.80	22.18	22.85	23.23	24.59	19.03	19.41	20.08	20.46	21.82
	6H	22.26	22.56	23.32	23.62	25.00	19.58	19.89	20.64	20.94	22.32
	8H	22.45	22.71	23.51	23.77	25.19	19.82	20.09	20.89	21.14	22.57