

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: P1428097

Luminaire Tested: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428097
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

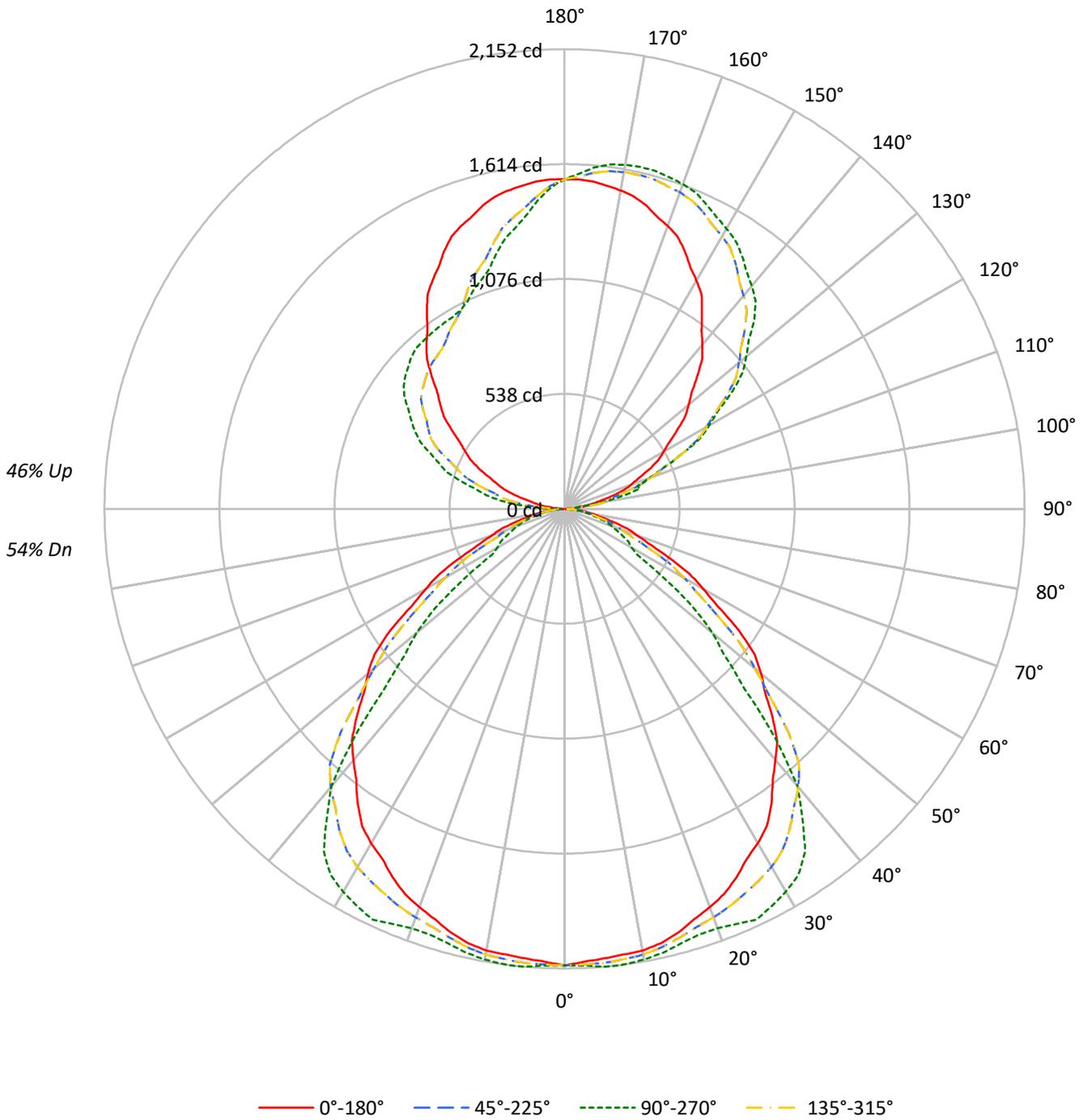
Lumens per Lamp: N/A
Luminaire Lumens: 9897.5 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
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: P1428097

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428097

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54	54	54	54	
1	99	95	92	88	92	89	85	83	76	74	72	65	63	62	54	53	52	47	47	47	47	
2	91	84	78	73	84	78	73	69	67	64	60	57	55	52	48	46	45	40	40	40	40	
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	39	35	35	35	35	
4	76	66	58	52	71	62	55	49	53	48	44	46	42	39	39	36	34	30	30	30	30	
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26	26	26	26	
6	65	53	45	39	60	50	42	37	43	38	33	37	33	30	32	29	26	23	23	23	23	
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23	21	21	21	21	
8	56	44	36	31	52	41	34	29	36	30	26	31	27	24	27	23	21	19	19	19	19	
9	52	40	32	27	48	37	31	26	33	27	24	29	24	21	25	21	19	17	17	17	17	
10	48	36	29	25	45	34	28	23	30	25	21	27	22	19	23	20	17	15	15	15	15	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34524	34524	34524	34524
5°	34252	34876	34252	34876
10°	34427	35130	34427	35130
15°	34345	35214	34345	35214
20°	34099	35924	34099	35924
25°	33905	37812	33905	37812
30°	33713	38601	33713	38601
35°	33235	38671	33235	38671
40°	32348	35731	32348	35731
45°	31380	27199	31380	27199
50°	30149	22654	30149	22654
55°	28059	16290	28059	16290
60°	24160	11680	24160	11680
65°	20378	11484	20378	11484
70°	16966	10990	16966	10990
75°	14385	10293	14385	10293
80°	12189	9251	12189	9251
85°	9633	5020	9633	5020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 34328 cd/sqm



TEST NUMBER: P1428097

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.6	2.1
10°-20°	589.3	6.0
20°-30°	923.2	9.3
30°-40°	1138.8	11.5
40°-50°	1072.1	10.8
50°-60°	759.2	7.7
60°-70°	432.6	4.4
70°-80°	214.1	2.2
80°-90°	58.7	0.6
90°-100°	122.8	1.2
100°-110°	358.2	3.6
110°-120°	584.5	5.9
120°-130°	741.7	7.5
130°-140°	793.6	8.0
140°-150°	741.1	7.5
150°-160°	609.8	6.2
160°-170°	409.0	4.1
170°-180°	145.2	1.5
0°-30°	1716.1	17.3
0°-40°	2854.9	28.8
0°-60°	4686.2	47.3
0°-90°	5391.7	54.5
90°-120°	1065.5	10.8
90°-150°	3341.8	33.8
90°-180°	4506.0	45.5
0°-180°	9897.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2138	2138	2138	2138	2138	
5°	2113	2152	2113	2152	2113	201
15°	2055	2107	2055	2107	2055	579
25°	1903	2122	1903	2122	1903	877
35°	1686	1962	1686	1962	1686	1052
45°	1374	1191	1374	1191	1374	1058
55°	997	579	997	579	997	879
65°	533	301	533	301	533	536
75°	231	165	231	165	231	250
85°	52	27	52	27	52	61
90°	5	34	5	67	5	6
95°	48	36	48	210	48	58
105°	228	365	228	502	228	242
115°	436	605	436	745	436	430
125°	645	959	645	913	645	577
135°	878	1255	878	1012	878	678
145°	1121	1446	1121	1034	1121	701
155°	1331	1571	1331	1072	1331	612
165°	1472	1638	1472	1235	1472	414
175°	1538	1604	1538	1448	1538	146
180°	1543	1543	1543	1543	1543	

TEST NUMBER: P1428097

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3
2.5°	2122.0	2135.7	2149.4	2146.1	2137.3	2133.7	2135.3	2136.9	2138.5	2140.1	2138.5
5°	2113.4	2130.5	2147.6	2145.1	2136.1	2132.5	2134.5	2137.8	2144.8	2151.9	2144.8
7.5°	2105.3	2122.8	2140.3	2138.0	2129.2	2126.5	2129.9	2134.6	2143.2	2151.9	2143.2
10°	2099.9	2115.0	2130.0	2127.8	2119.7	2118.2	2123.2	2128.8	2135.8	2142.8	2135.8
12.5°	2083.6	2097.9	2112.1	2110.3	2103.0	2102.7	2109.4	2115.9	2122.1	2128.4	2122.1
15°	2054.7	2067.7	2080.8	2081.0	2077.0	2079.5	2088.6	2096.6	2101.6	2106.7	2101.6
17.5°	2015.3	2031.2	2047.1	2050.8	2050.4	2056.6	2069.4	2080.4	2085.6	2090.8	2085.6
20°	1984.6	2003.7	2022.8	2029.1	2031.1	2040.1	2056.2	2070.8	2080.8	2090.8	2080.8
22.5°	1952.1	1974.4	1996.7	2004.9	2008.6	2022.4	2046.5	2068.9	2086.2	2103.5	2086.2
25°	1903.2	1925.3	1947.4	1963.5	1977.6	2002.2	2037.3	2070.2	2096.4	2122.5	2096.4
27.5°	1846.3	1868.2	1890.1	1917.7	1947.2	1981.8	2021.4	2056.2	2076.9	2097.6	2076.9
30°	1808.3	1829.4	1850.5	1882.1	1917.3	1955.5	1996.7	2032.3	2051.4	2070.5	2051.4
32.5°	1761.3	1783.2	1805.1	1838.7	1876.3	1917.3	1961.7	1999.4	2016.9	2034.3	2016.9
35°	1686.2	1707.3	1728.4	1767.6	1812.8	1858.5	1904.7	1941.9	1952.0	1962.0	1952.0
37.5°	1599.9	1623.8	1647.7	1691.7	1742.3	1780.6	1806.5	1826.1	1826.7	1827.3	1826.7
40°	1534.8	1565.9	1597.1	1641.0	1689.3	1715.9	1720.9	1721.4	1708.3	1695.3	1708.3
42.5°	1471.5	1511.5	1551.5	1586.8	1620.5	1627.5	1607.6	1578.1	1520.1	1462.0	1520.1
45°	1374.3	1421.5	1468.7	1490.3	1503.4	1459.2	1357.7	1271.6	1231.4	1191.2	1231.4
47.5°	1270.8	1317.4	1364.0	1358.0	1334.5	1267.6	1157.3	1067.6	1039.9	1012.2	1039.9
50°	1200.3	1244.5	1288.7	1256.8	1199.5	1124.2	1030.7	954.1	928.0	901.9	928.0
52.5°	1120.7	1160.1	1199.5	1151.3	1073.9	994.6	913.2	842.2	802.4	762.6	802.4
55°	996.8	1023.9	1051.1	998.3	919.0	831.6	736.1	655.0	616.8	578.7	616.8
57.5°	847.6	866.7	885.8	844.3	782.6	695.7	583.6	488.8	446.0	403.3	446.0
60°	748.2	763.3	778.3	740.6	685.4	602.5	492.0	403.9	382.8	361.7	382.8
62.5°	657.8	671.2	684.7	645.4	588.6	514.5	423.3	353.0	345.6	338.2	345.6
65°	533.4	546.5	559.6	518.4	459.1	401.3	345.1	302.6	301.6	300.6	301.6
67.5°	424.5	438.8	453.0	414.3	357.8	315.1	286.2	264.2	263.0	261.8	263.0
70°	359.4	374.5	389.5	353.4	300.1	265.5	249.4	236.8	234.8	232.8	234.8
72.5°	305.2	319.4	333.7	302.1	255.3	226.7	216.2	208.1	206.9	205.7	206.9
75°	230.6	241.6	252.7	229.8	195.6	176.1	171.0	167.0	166.0	165.0	166.0
77.5°	167.3	174.3	181.3	166.4	144.1	131.6	129.0	126.8	125.8	124.8	125.8
80°	131.1	134.1	137.1	126.6	111.5	103.5	102.5	101.5	100.5	99.5	100.5
82.5°	98.6	97.5	96.5	90.4	82.6	78.2	77.2	75.9	74.1	72.3	74.1
85°	52.0	50.0	48.0	46.0	44.0	40.9	36.9	33.2	30.1	27.1	30.1
87.5°	17.2	18.5	20.0	18.2	15.2	13.1	12.3	12.0	12.3	12.3	12.3
90°	4.7	10.9	18.7	24.9	29.6	31.2	31.2	32.7	34.3	34.3	34.3
92.5°	17.1	27.1	27.4	27.4	33.4	36.2	38.7	39.0	40.5	40.5	40.5
95°	48.3	53.0	79.5	77.9	53.0	42.1	35.9	35.9	35.9	35.9	35.9
97.5°	92.3	99.1	103.5	138.7	146.5	141.5	115.3	97.0	86.7	82.0	86.7
100°	130.9	134.1	143.4	145.0	183.9	221.3	202.6	179.3	171.5	166.8	171.5
102.5°	169.6	171.5	185.8	192.4	201.4	222.6	287.4	280.3	275.0	274.0	275.0
105°	227.6	229.1	255.6	268.1	274.3	274.3	272.8	304.0	353.8	364.8	353.8
107.5°	289.6	296.8	328.0	361.3	368.5	370.4	362.3	357.6	355.7	357.0	355.7
110°	332.0	342.9	380.3	422.4	433.3	436.5	433.3	428.7	425.5	425.5	425.5



TEST NUMBER: P1428097

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	373.2	389.1	431.5	479.8	498.2	507.5	500.7	497.2	494.1	496.6	494.1
115°	436.5	459.8	516.0	565.8	603.2	607.9	606.4	606.4	604.8	604.8	604.8
117.5°	495.1	532.5	595.5	653.4	696.8	709.2	715.5	713.6	711.7	714.9	711.7
120°	536.2	579.9	651.6	717.0	759.1	777.8	784.1	780.9	784.1	780.9	784.1
122.5°	579.9	633.5	703.9	771.9	821.5	842.7	850.2	850.8	851.4	849.5	851.4
125°	645.3	710.8	793.4	863.6	915.0	939.9	946.2	947.7	950.9	958.6	950.9
127.5°	711.4	785.6	876.3	944.0	996.7	1026.9	1036.6	1040.0	1046.6	1050.0	1046.6
130°	757.6	841.7	933.7	997.6	1049.1	1081.8	1098.9	1103.6	1111.4	1109.8	1111.4
132.5°	806.2	894.1	987.3	1053.7	1101.4	1136.7	1151.3	1164.7	1167.5	1169.7	1167.5
135°	877.6	972.7	1066.2	1131.7	1176.9	1211.2	1229.9	1242.3	1250.1	1254.8	1250.1
137.5°	952.7	1053.1	1142.9	1201.2	1246.7	1276.3	1297.5	1310.6	1318.7	1322.5	1318.7
140°	1003.9	1100.5	1187.8	1248.6	1289.1	1318.7	1337.4	1353.0	1362.4	1362.4	1362.4
142.5°	1052.5	1147.9	1232.7	1293.5	1329.0	1356.1	1376.1	1387.9	1398.5	1398.5	1398.5
145°	1120.8	1215.8	1293.8	1354.6	1384.2	1409.1	1431.0	1440.3	1446.5	1446.5	1446.5
147.5°	1192.2	1276.3	1347.4	1405.7	1430.6	1459.9	1477.1	1484.6	1492.4	1488.9	1492.4
150°	1234.6	1312.5	1381.1	1435.6	1460.6	1488.6	1505.8	1512.0	1519.8	1515.1	1519.8
152.5°	1275.7	1349.9	1412.3	1463.1	1484.3	1512.3	1532.0	1538.2	1543.5	1540.1	1543.5
155°	1331.2	1396.7	1454.3	1501.1	1519.8	1546.3	1565.0	1572.8	1579.0	1571.2	1579.0
157.5°	1380.8	1437.2	1487.4	1530.4	1550.4	1573.1	1590.6	1600.2	1606.5	1603.0	1606.5
160°	1410.7	1462.1	1507.3	1547.9	1566.6	1586.8	1605.5	1616.5	1622.7	1618.0	1622.7
162.5°	1435.6	1482.1	1524.8	1561.6	1577.8	1595.6	1618.0	1627.7	1633.9	1628.0	1633.9
165°	1471.5	1508.9	1546.3	1577.5	1591.5	1605.5	1628.9	1639.8	1644.5	1638.3	1644.5
167.5°	1498.6	1527.3	1557.5	1584.3	1594.6	1608.3	1631.7	1640.8	1646.7	1638.9	1646.7
170°	1513.6	1538.5	1565.0	1586.8	1594.6	1607.1	1630.5	1638.3	1643.0	1635.2	1643.0
172.5°	1526.0	1544.7	1566.3	1585.6	1589.6	1599.6	1621.8	1629.5	1633.0	1626.4	1633.0
175°	1538.5	1549.4	1565.0	1577.5	1575.9	1582.2	1600.9	1607.1	1613.3	1604.0	1613.3
177.5°	1544.4	1549.4	1554.4	1561.9	1556.9	1556.9	1570.6	1574.4	1575.6	1570.6	1575.6
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1428097

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3
2.5°	2136.9	2135.3	2133.7	2137.3	2146.1	2149.4	2135.7	2122.0	2135.7	2149.4	2146.1
5°	2137.8	2134.5	2132.5	2136.1	2145.1	2147.6	2130.5	2113.4	2130.5	2147.6	2145.1
7.5°	2134.6	2129.9	2126.5	2129.2	2138.0	2140.3	2122.8	2105.3	2122.8	2140.3	2138.0
10°	2128.8	2123.2	2118.2	2119.7	2127.8	2130.0	2115.0	2099.9	2115.0	2130.0	2127.8
12.5°	2115.9	2109.4	2102.7	2103.0	2110.3	2112.1	2097.9	2083.6	2097.9	2112.1	2110.3
15°	2096.6	2088.6	2079.5	2077.0	2081.0	2080.8	2067.7	2054.7	2067.7	2080.8	2081.0
17.5°	2080.4	2069.4	2056.6	2050.4	2050.8	2047.1	2031.2	2015.3	2031.2	2047.1	2050.8
20°	2070.8	2056.2	2040.1	2031.1	2029.1	2022.8	2003.7	1984.6	2003.7	2022.8	2029.1
22.5°	2068.9	2046.5	2022.4	2008.6	2004.9	1996.7	1974.4	1952.1	1974.4	1996.7	2004.9
25°	2070.2	2037.3	2002.2	1977.6	1963.5	1947.4	1925.3	1903.2	1925.3	1947.4	1963.5
27.5°	2056.2	2021.4	1981.8	1947.2	1917.7	1890.1	1868.2	1846.3	1868.2	1890.1	1917.7
30°	2032.3	1996.7	1955.5	1917.3	1882.1	1850.5	1829.4	1808.3	1829.4	1850.5	1882.1
32.5°	1999.4	1961.7	1917.3	1876.3	1838.7	1805.1	1783.2	1761.3	1783.2	1805.1	1838.7
35°	1941.9	1904.7	1858.5	1812.8	1767.6	1728.4	1707.3	1686.2	1707.3	1728.4	1767.6
37.5°	1826.1	1806.5	1780.6	1742.3	1691.7	1647.7	1623.8	1599.9	1623.8	1647.7	1691.7
40°	1721.4	1720.9	1715.9	1689.3	1641.0	1597.1	1565.9	1534.8	1565.9	1597.1	1641.0
42.5°	1578.1	1607.6	1627.5	1620.5	1586.8	1551.5	1511.5	1471.5	1511.5	1551.5	1586.8
45°	1271.6	1357.7	1459.2	1503.4	1490.3	1468.7	1421.5	1374.3	1421.5	1468.7	1490.3
47.5°	1067.6	1157.3	1267.6	1334.5	1358.0	1364.0	1317.4	1270.8	1317.4	1364.0	1358.0
50°	954.1	1030.7	1124.2	1199.5	1256.8	1288.7	1244.5	1200.3	1244.5	1288.7	1256.8
52.5°	842.2	913.2	994.6	1073.9	1151.3	1199.5	1160.1	1120.7	1160.1	1199.5	1151.3
55°	655.0	736.1	831.6	919.0	998.3	1051.1	1023.9	996.8	1023.9	1051.1	998.3
57.5°	488.8	583.6	695.7	782.6	844.3	885.8	866.7	847.6	866.7	885.8	844.3
60°	403.9	492.0	602.5	685.4	740.6	778.3	763.3	748.2	763.3	778.3	740.6
62.5°	353.0	423.3	514.5	588.6	645.4	684.7	671.2	657.8	671.2	684.7	645.4
65°	302.6	345.1	401.3	459.1	518.4	559.6	546.5	533.4	546.5	559.6	518.4
67.5°	264.2	286.2	315.1	357.8	414.3	453.0	438.8	424.5	438.8	453.0	414.3
70°	236.8	249.4	265.5	300.1	353.4	389.5	374.5	359.4	374.5	389.5	353.4
72.5°	208.1	216.2	226.7	255.3	302.1	333.7	319.4	305.2	319.4	333.7	302.1
75°	167.0	171.0	176.1	195.6	229.8	252.7	241.6	230.6	241.6	252.7	229.8
77.5°	126.8	129.0	131.6	144.1	166.4	181.3	174.3	167.3	174.3	181.3	166.4
80°	101.5	102.5	103.5	111.5	126.6	137.1	134.1	131.1	134.1	137.1	126.6
82.5°	75.9	77.2	78.2	82.6	90.4	96.5	97.5	98.6	97.5	96.5	90.4
85°	33.2	36.9	40.9	44.0	46.0	48.0	50.0	52.0	50.0	48.0	46.0
87.5°	12.0	12.3	13.1	15.2	18.2	20.0	18.5	17.2	18.5	19.7	18.9
90°	32.7	31.2	31.2	29.6	24.9	18.7	10.9	4.7	10.9	17.1	28.1
92.5°	39.0	38.7	36.2	33.4	27.4	27.4	27.1	17.1	29.6	42.1	60.5
95°	35.9	35.9	42.1	53.0	77.9	79.5	53.0	48.3	68.6	96.6	121.6
97.5°	97.0	115.3	141.5	146.5	138.7	103.5	99.1	92.3	125.6	153.4	193.6
100°	179.3	202.6	221.3	183.9	145.0	143.4	134.1	130.9	166.8	193.3	232.3
102.5°	280.3	287.4	222.6	201.4	192.4	185.8	171.5	169.6	205.4	241.9	274.7
105°	304.0	272.8	274.3	274.3	268.1	255.6	229.1	227.6	268.1	310.2	350.7
107.5°	357.6	362.3	370.4	368.5	361.3	328.0	296.8	289.6	326.1	376.6	421.2
110°	428.7	433.3	436.5	433.3	422.4	380.3	342.9	332.0	364.8	417.8	466.1



TEST NUMBER: P1428097

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	497.2	500.7	507.5	498.2	479.8	431.5	389.1	373.2	405.9	460.2	509.7
115°	606.4	606.4	607.9	603.2	565.8	516.0	459.8	436.5	464.5	514.4	569.0
117.5°	713.6	715.5	709.2	696.8	653.4	595.5	532.5	495.1	517.2	569.9	626.0
120°	780.9	784.1	777.8	759.1	717.0	651.6	579.9	536.2	553.4	604.8	660.9
122.5°	850.8	850.2	842.7	821.5	771.9	703.9	633.5	579.9	587.0	634.7	689.6
125°	947.7	946.2	939.9	915.0	863.6	793.4	710.8	645.3	636.0	676.5	732.6
127.5°	1040.0	1036.6	1026.9	996.7	944.0	876.3	785.6	711.4	690.5	716.1	767.5
130°	1103.6	1098.9	1081.8	1049.1	997.6	933.7	841.7	757.6	727.9	743.5	788.7
132.5°	1164.7	1151.3	1136.7	1101.4	1053.7	987.3	894.1	806.2	765.4	772.2	807.4
135°	1242.3	1229.9	1211.2	1176.9	1131.7	1066.2	972.7	877.6	821.5	815.2	835.5
137.5°	1310.6	1297.5	1276.3	1246.7	1201.2	1142.9	1053.1	952.7	882.0	861.1	868.9
140°	1353.0	1337.4	1318.7	1289.1	1248.6	1187.8	1100.5	1003.9	924.4	894.7	890.1
142.5°	1387.9	1376.1	1356.1	1329.0	1293.5	1232.7	1147.9	1052.5	968.0	929.7	918.7
145°	1440.3	1431.0	1409.1	1384.2	1354.6	1293.8	1215.8	1120.8	1036.6	986.7	963.3
147.5°	1484.6	1477.1	1459.9	1430.6	1405.7	1347.4	1276.3	1192.2	1105.8	1044.1	1013.8
150°	1512.0	1505.8	1488.6	1460.6	1435.6	1381.1	1312.5	1234.6	1151.9	1086.5	1047.5
152.5°	1538.2	1532.0	1512.3	1484.3	1463.1	1412.3	1349.9	1275.7	1191.8	1126.4	1086.2
155°	1572.8	1565.0	1546.3	1519.8	1501.1	1454.3	1396.7	1331.2	1259.5	1190.9	1145.7
157.5°	1600.2	1590.6	1573.1	1550.4	1530.4	1487.4	1437.2	1380.8	1318.1	1252.6	1206.5
160°	1616.5	1605.5	1586.8	1566.6	1547.9	1507.3	1462.1	1410.7	1353.0	1293.8	1243.9
162.5°	1627.7	1618.0	1595.6	1577.8	1561.6	1524.8	1482.1	1435.6	1384.2	1332.4	1286.3
165°	1639.8	1628.9	1605.5	1591.5	1577.5	1546.3	1508.9	1471.5	1427.8	1385.8	1348.3
167.5°	1640.8	1631.7	1608.3	1594.6	1584.3	1557.5	1527.3	1498.6	1464.6	1431.6	1400.4
170°	1638.3	1630.5	1607.1	1594.6	1586.8	1565.0	1538.5	1513.6	1487.1	1459.0	1434.1
172.5°	1629.5	1621.8	1599.6	1589.6	1585.6	1566.3	1544.7	1526.0	1503.3	1482.7	1462.8
175°	1607.1	1600.9	1582.2	1575.9	1577.5	1565.0	1549.4	1538.5	1524.5	1512.0	1501.1
177.5°	1574.4	1570.6	1556.9	1556.9	1561.9	1554.4	1549.4	1544.4	1538.2	1534.5	1530.7
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1428097

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3	2138.3
2.5°	2137.3	2133.7	2135.3	2136.9	2138.5	2140.1	2138.5	2136.9	2135.3	2133.7	2137.3
5°	2136.1	2132.5	2134.5	2137.8	2144.8	2151.9	2144.8	2137.8	2134.5	2132.5	2136.1
7.5°	2129.2	2126.5	2129.9	2134.6	2143.2	2151.9	2143.2	2134.6	2129.9	2126.5	2129.2
10°	2119.7	2118.2	2123.2	2128.8	2135.8	2142.8	2135.8	2128.8	2123.2	2118.2	2119.7
12.5°	2103.0	2102.7	2109.4	2115.9	2122.1	2128.4	2122.1	2115.9	2109.4	2102.7	2103.0
15°	2077.0	2079.5	2088.6	2096.6	2101.6	2106.7	2101.6	2096.6	2088.6	2079.5	2077.0
17.5°	2050.4	2056.6	2069.4	2080.4	2085.6	2090.8	2085.6	2080.4	2069.4	2056.6	2050.4
20°	2031.1	2040.1	2056.2	2070.8	2080.8	2090.8	2080.8	2070.8	2056.2	2040.1	2031.1
22.5°	2008.6	2022.4	2046.5	2068.9	2086.2	2103.5	2086.2	2068.9	2046.5	2022.4	2008.6
25°	1977.6	2002.2	2037.3	2070.2	2096.4	2122.5	2096.4	2070.2	2037.3	2002.2	1977.6
27.5°	1947.2	1981.8	2021.4	2056.2	2076.9	2097.6	2076.9	2056.2	2021.4	1981.8	1947.2
30°	1917.3	1955.5	1996.7	2032.3	2051.4	2070.5	2051.4	2032.3	1996.7	1955.5	1917.3
32.5°	1876.3	1917.3	1961.7	1999.4	2016.9	2034.3	2016.9	1999.4	1961.7	1917.3	1876.3
35°	1812.8	1858.5	1904.7	1941.9	1952.0	1962.0	1952.0	1941.9	1904.7	1858.5	1812.8
37.5°	1742.3	1780.6	1806.5	1826.1	1826.7	1827.3	1826.7	1826.1	1806.5	1780.6	1742.3
40°	1689.3	1715.9	1720.9	1721.4	1708.3	1695.3	1708.3	1721.4	1720.9	1715.9	1689.3
42.5°	1620.5	1627.5	1607.6	1578.1	1520.1	1462.0	1520.1	1578.1	1607.6	1627.5	1620.5
45°	1503.4	1459.2	1357.7	1271.6	1231.4	1191.2	1231.4	1271.6	1357.7	1459.2	1503.4
47.5°	1334.5	1267.6	1157.3	1067.6	1039.9	1012.2	1039.9	1067.6	1157.3	1267.6	1334.5
50°	1199.5	1124.2	1030.7	954.1	928.0	901.9	928.0	954.1	1030.7	1124.2	1199.5
52.5°	1073.9	994.6	913.2	842.2	802.4	762.6	802.4	842.2	913.2	994.6	1073.9
55°	919.0	831.6	736.1	655.0	616.8	578.7	616.8	655.0	736.1	831.6	919.0
57.5°	782.6	695.7	583.6	488.8	446.0	403.3	446.0	488.8	583.6	695.7	782.6
60°	685.4	602.5	492.0	403.9	382.8	361.7	382.8	403.9	492.0	602.5	685.4
62.5°	588.6	514.5	423.3	353.0	345.6	338.2	345.6	353.0	423.3	514.5	588.6
65°	459.1	401.3	345.1	302.6	301.6	300.6	301.6	302.6	345.1	401.3	459.1
67.5°	357.8	315.1	286.2	264.2	263.0	261.8	263.0	264.2	286.2	315.1	357.8
70°	300.1	265.5	249.4	236.8	234.8	232.8	234.8	236.8	249.4	265.5	300.1
72.5°	255.3	226.7	216.2	208.1	206.9	205.7	206.9	208.1	216.2	226.7	255.3
75°	195.6	176.1	171.0	167.0	166.0	165.0	166.0	167.0	171.0	176.1	195.6
77.5°	144.1	131.6	129.0	126.8	125.8	124.8	125.8	126.8	129.0	131.6	144.1
80°	111.5	103.5	102.5	101.5	100.5	99.5	100.5	101.5	102.5	103.5	111.5
82.5°	82.6	78.2	77.2	75.9	74.1	72.3	74.1	75.9	77.2	78.2	82.6
85°	44.0	40.9	36.9	33.2	30.1	27.1	30.1	33.2	36.9	40.9	44.0
87.5°	16.4	16.2	17.6	18.2	19.5	18.8	19.5	18.2	17.6	16.2	16.4
90°	35.9	46.8	57.7	63.9	70.1	67.0	70.1	63.9	57.7	46.8	35.9
92.5°	72.0	90.4	103.8	115.0	120.0	119.4	120.0	115.0	103.8	90.4	72.0
95°	145.0	166.8	188.6	204.2	213.6	210.4	213.6	204.2	188.6	166.8	145.0
97.5°	223.5	252.8	277.2	291.8	301.2	307.4	301.2	291.8	277.2	252.8	223.5
100°	275.9	304.0	332.0	349.2	364.8	371.0	364.8	349.2	332.0	304.0	275.9
102.5°	318.3	355.1	385.6	404.0	417.1	423.4	417.1	404.0	385.6	355.1	318.3
105°	388.1	427.1	459.8	483.2	497.2	501.9	497.2	483.2	459.8	427.1	388.1
107.5°	458.0	498.2	528.4	554.3	571.4	581.4	571.4	554.3	528.4	498.2	458.0
110°	512.8	545.6	578.3	601.7	618.8	625.1	618.8	601.7	578.3	545.6	512.8



TEST NUMBER: P1428097

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	559.0	595.5	628.2	651.6	671.2	679.9	671.2	651.6	628.2	595.5	559.0
115°	623.5	671.8	701.4	723.3	737.3	745.1	737.3	723.3	701.4	671.8	623.5
117.5°	677.1	727.6	760.1	776.9	783.4	789.1	783.4	776.9	760.1	727.6	677.1
120°	710.8	757.6	795.0	816.8	824.6	827.7	824.6	816.8	795.0	757.6	710.8
122.5°	742.0	786.2	822.4	849.2	862.0	865.1	862.0	849.2	822.4	786.2	742.0
125°	785.6	827.7	865.1	891.6	905.6	913.4	905.6	891.6	865.1	827.7	785.6
127.5°	823.7	869.2	903.5	927.5	941.2	947.4	941.2	927.5	903.5	869.2	823.7
130°	844.9	891.6	925.9	952.4	964.9	971.1	964.9	952.4	925.9	891.6	844.9
132.5°	861.1	910.3	945.9	969.9	983.6	989.8	983.6	969.9	945.9	910.3	861.1
135°	880.7	932.1	969.6	992.9	1005.4	1011.6	1005.4	992.9	969.6	932.1	880.7
137.5°	897.9	944.6	983.6	1008.2	1019.4	1023.5	1019.4	1008.2	983.6	944.6	897.9
140°	910.3	950.9	989.8	1013.2	1025.7	1027.2	1025.7	1013.2	989.8	950.9	910.3
142.5°	926.5	958.3	992.3	1015.7	1028.2	1031.0	1028.2	1015.7	992.3	958.3	926.5
145°	955.5	974.2	997.6	1019.4	1030.4	1033.5	1030.4	1019.4	997.6	974.2	955.5
147.5°	992.0	997.9	1010.1	1024.4	1035.0	1037.2	1035.0	1024.4	1010.1	997.9	992.0
150°	1019.4	1017.9	1022.6	1031.9	1041.3	1039.7	1041.3	1031.9	1022.6	1017.9	1019.4
152.5°	1050.6	1041.6	1041.3	1045.6	1050.0	1049.7	1050.0	1045.6	1041.3	1041.6	1050.6
155°	1103.6	1086.5	1077.1	1074.0	1074.0	1072.4	1074.0	1074.0	1077.1	1086.5	1103.6
157.5°	1161.9	1137.9	1123.9	1116.4	1114.2	1110.8	1114.2	1116.4	1123.9	1137.9	1161.9
160°	1201.8	1175.3	1161.3	1148.8	1144.1	1139.5	1144.1	1148.8	1161.3	1175.3	1201.8
162.5°	1239.2	1214.0	1198.7	1187.5	1182.8	1175.6	1182.8	1187.5	1198.7	1214.0	1239.2
165°	1300.0	1273.5	1256.4	1247.0	1240.8	1234.6	1240.8	1247.0	1256.4	1273.5	1300.0
167.5°	1360.8	1331.8	1320.6	1310.0	1304.1	1292.8	1304.1	1310.0	1320.6	1331.8	1360.8
170°	1398.2	1371.7	1365.5	1356.1	1345.2	1332.8	1345.2	1356.1	1365.5	1371.7	1398.2
172.5°	1430.6	1412.9	1406.6	1397.3	1393.9	1383.9	1393.9	1397.3	1406.6	1412.9	1430.6
175°	1477.7	1463.7	1463.7	1462.1	1457.5	1448.1	1457.5	1462.1	1463.7	1463.7	1477.7
177.5°	1517.0	1509.5	1514.5	1514.5	1513.3	1504.5	1513.3	1514.5	1514.5	1509.5	1517.0
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1428097

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2138.3	2138.3	2138.3	2138.3
2.5°	2146.1	2149.4	2135.7	2122.0
5°	2145.1	2147.6	2130.5	2113.4
7.5°	2138.0	2140.3	2122.8	2105.3
10°	2127.8	2130.0	2115.0	2099.9
12.5°	2110.3	2112.1	2097.9	2083.6
15°	2081.0	2080.8	2067.7	2054.7
17.5°	2050.8	2047.1	2031.2	2015.3
20°	2029.1	2022.8	2003.7	1984.6
22.5°	2004.9	1996.7	1974.4	1952.1
25°	1963.5	1947.4	1925.3	1903.2
27.5°	1917.7	1890.1	1868.2	1846.3
30°	1882.1	1850.5	1829.4	1808.3
32.5°	1838.7	1805.1	1783.2	1761.3
35°	1767.6	1728.4	1707.3	1686.2
37.5°	1691.7	1647.7	1623.8	1599.9
40°	1641.0	1597.1	1565.9	1534.8
42.5°	1586.8	1551.5	1511.5	1471.5
45°	1490.3	1468.7	1421.5	1374.3
47.5°	1358.0	1364.0	1317.4	1270.8
50°	1256.8	1288.7	1244.5	1200.3
52.5°	1151.3	1199.5	1160.1	1120.7
55°	998.3	1051.1	1023.9	996.8
57.5°	844.3	885.8	866.7	847.6
60°	740.6	778.3	763.3	748.2
62.5°	645.4	684.7	671.2	657.8
65°	518.4	559.6	546.5	533.4
67.5°	414.3	453.0	438.8	424.5
70°	353.4	389.5	374.5	359.4
72.5°	302.1	333.7	319.4	305.2
75°	229.8	252.7	241.6	230.6
77.5°	166.4	181.3	174.3	167.3
80°	126.6	137.1	134.1	131.1
82.5°	90.4	96.5	97.5	98.6
85°	46.0	48.0	50.0	52.0
87.5°	18.9	19.7	18.5	17.2
90°	28.1	17.1	10.9	4.7
92.5°	60.5	42.1	29.6	17.1
95°	121.6	96.6	68.6	48.3
97.5°	193.6	153.4	125.6	92.3
100°	232.3	193.3	166.8	130.9
102.5°	274.7	241.9	205.4	169.6
105°	350.7	310.2	268.1	227.6
107.5°	421.2	376.6	326.1	289.6
110°	466.1	417.8	364.8	332.0



TEST NUMBER: P1428097

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	509.7	460.2	405.9	373.2
115°	569.0	514.4	464.5	436.5
117.5°	626.0	569.9	517.2	495.1
120°	660.9	604.8	553.4	536.2
122.5°	689.6	634.7	587.0	579.9
125°	732.6	676.5	636.0	645.3
127.5°	767.5	716.1	690.5	711.4
130°	788.7	743.5	727.9	757.6
132.5°	807.4	772.2	765.4	806.2
135°	835.5	815.2	821.5	877.6
137.5°	868.9	861.1	882.0	952.7
140°	890.1	894.7	924.4	1003.9
142.5°	918.7	929.7	968.0	1052.5
145°	963.3	986.7	1036.6	1120.8
147.5°	1013.8	1044.1	1105.8	1192.2
150°	1047.5	1086.5	1151.9	1234.6
152.5°	1086.2	1126.4	1191.8	1275.7
155°	1145.7	1190.9	1259.5	1331.2
157.5°	1206.5	1252.6	1318.1	1380.8
160°	1243.9	1293.8	1353.0	1410.7
162.5°	1286.3	1332.4	1384.2	1435.6
165°	1348.3	1385.8	1427.8	1471.5
167.5°	1400.4	1431.6	1464.6	1498.6
170°	1434.1	1459.0	1487.1	1513.6
172.5°	1462.8	1482.7	1503.3	1526.0
175°	1501.1	1512.0	1524.5	1538.5
177.5°	1530.7	1534.5	1538.2	1544.4
180°	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1428097
 CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L840-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	20.17	21.03	21.09	21.97	23.18	15.94	16.81	16.86	17.74	18.95
	3H	21.23	22.00	22.16	22.95	24.18	17.25	18.02	18.18	18.97	20.20
	4H	21.60	22.33	22.55	23.28	24.52	17.81	18.54	18.76	19.49	20.73
	6H	21.79	22.46	22.75	23.42	24.68	18.17	18.84	19.13	19.80	21.06
	8H	21.85	22.49	22.82	23.47	24.72	18.30	18.94	19.27	19.91	21.17
	12H	21.88	22.48	22.85	23.45	24.73	18.33	18.94	19.31	19.91	21.19
4H	2H	20.29	21.02	21.24	21.97	23.21	16.85	17.58	17.80	18.53	19.77
	3H	21.58	22.19	22.55	23.17	24.43	18.27	18.88	19.24	19.86	21.12
	4H	22.09	22.64	23.07	23.62	24.90	18.89	19.45	19.87	20.42	21.70
	6H	22.41	22.88	23.39	23.88	25.16	19.34	19.82	20.33	20.81	22.09
	8H	22.52	22.96	23.51	23.95	25.24	19.51	19.95	20.50	20.95	22.24
	12H	22.56	22.96	23.57	23.97	25.27	19.56	19.96	20.57	20.97	22.27
8H	4H	22.11	22.55	23.10	23.55	24.84	19.20	19.65	20.19	20.64	21.93
	6H	22.52	22.89	23.54	23.92	25.22	19.76	20.13	20.78	21.16	22.46
	8H	22.70	23.03	23.73	24.05	25.36	20.01	20.33	21.03	21.36	22.67
	12H	22.80	23.09	23.83	24.10	25.46	20.11	20.40	21.14	21.41	22.77
12H	4H	22.07	22.47	23.08	23.48	24.78	19.22	19.62	20.22	20.62	21.92
	6H	22.51	22.84	23.54	23.86	25.17	19.83	20.15	20.85	21.17	22.48
	8H	22.71	23.00	23.74	24.01	25.37	20.10	20.39	21.13	21.41	22.76