

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: P1427809

Luminaire Tested: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427809
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

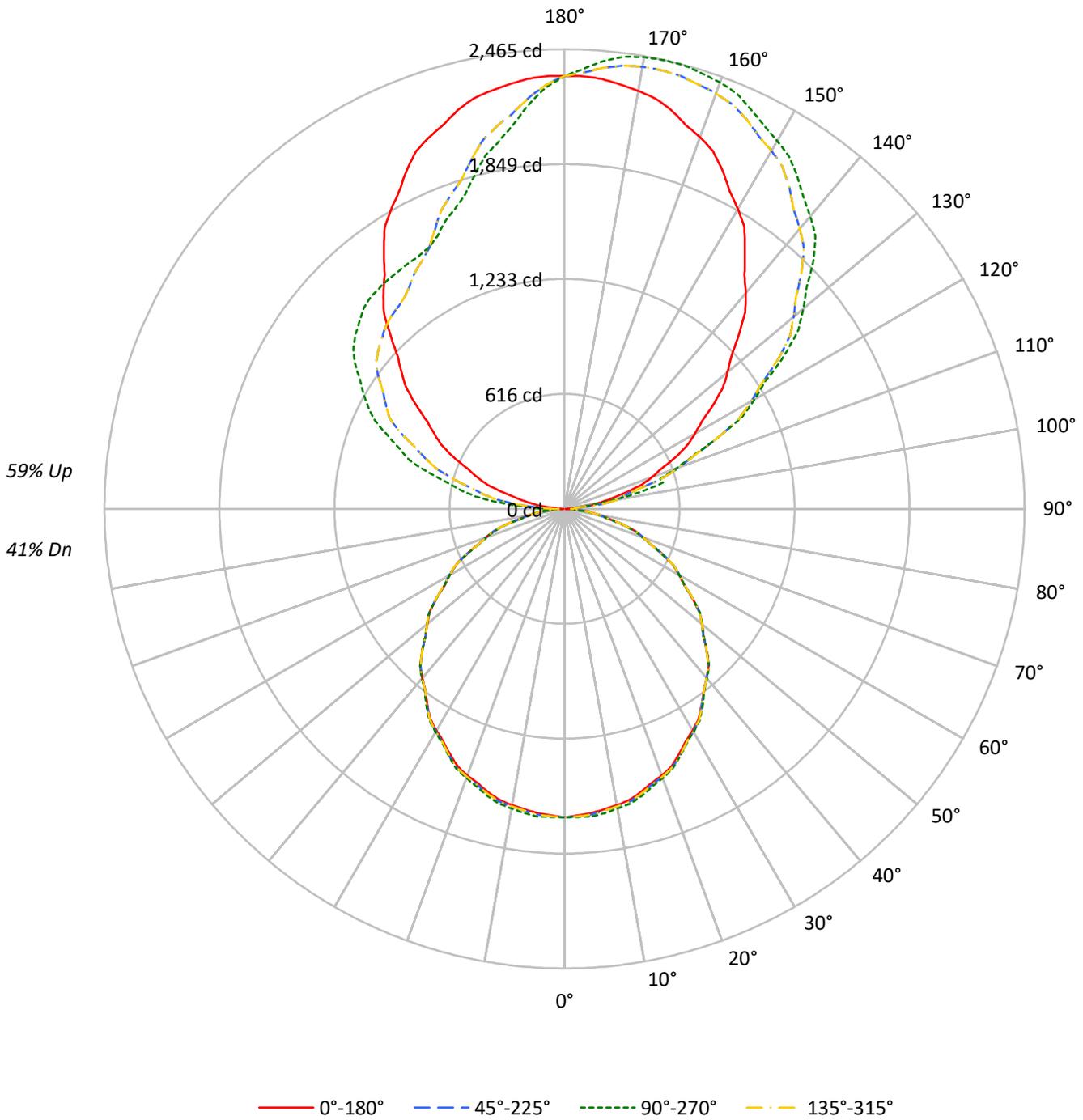
Lumens per Lamp: N/A
Luminaire Lumens: 11443.2 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 92.7
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: P1427809

CATALOG NUMBER: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427809

CATALOG NUMBER: SQ2W-F-K-150U-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	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	91	87	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	79	73	68	79	73	67	63	60	56	53	48	45	43	37	35	33	28
3	79	70	62	57	72	64	57	52	52	48	44	42	39	36	32	30	28	24
4	72	62	54	48	66	56	49	44	46	41	37	37	34	31	29	26	24	20
5	66	55	47	41	60	50	43	38	41	36	32	33	30	26	26	23	21	18
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	23	21	18	15
7	56	44	36	31	51	41	34	29	34	28	24	27	23	20	21	18	16	14
8	52	40	32	27	47	37	30	25	31	25	22	25	21	18	20	17	15	12
9	48	36	29	24	44	34	27	22	28	23	19	23	19	16	18	15	13	11
10	45	33	26	21	41	31	24	20	26	21	17	21	17	15	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	26719	26719	26719	26719
5°	26557	26859	26557	26859
10°	26463	26767	26463	26767
15°	26318	26649	26318	26649
20°	26151	26412	26151	26412
25°	25869	26097	25869	26097
30°	25593	25769	25593	25769
35°	25266	25428	25266	25428
40°	24980	25054	24980	25054
45°	24614	24614	24614	24614
50°	24121	24179	24121	24179
55°	23555	23586	23555	23586
60°	22917	22917	22917	22917
65°	22173	22082	22173	22082
70°	21125	20908	21125	20908
75°	19700	19263	19700	19263
80°	17554	16690	17554	16690
85°	14042	11874	14042	11874

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 24779 cd/sqm



TEST NUMBER: P1427809

CATALOG NUMBER: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.6	1.4
10°-20°	447.4	3.9
20°-30°	673.5	5.9
30°-40°	805.4	7.0
40°-50°	831.6	7.3
50°-60°	750.1	6.6
60°-70°	574.6	5.0
70°-80°	332.1	2.9
80°-90°	95.9	0.8
90°-100°	184.7	1.6
100°-110°	538.6	4.7
110°-120°	879.0	7.7
120°-130°	1115.4	9.7
130°-140°	1193.5	10.4
140°-150°	1114.5	9.7
150°-160°	917.1	8.0
160°-170°	615.0	5.4
170°-180°	218.4	1.9
0°-30°	1277.5	11.2
0°-40°	2082.8	18.2
0°-60°	3664.5	32.0
0°-90°	4667.0	40.8
90°-120°	1602.3	14.0
90°-150°	5025.7	43.9
90°-180°	6776.0	59.2
0°-180°	11443.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1655	1655	1655	1655	1655	
5°	1639	1657	1639	1657	1639	156
15°	1574	1594	1574	1594	1574	444
25°	1452	1465	1452	1465	1452	669
35°	1282	1290	1282	1290	1282	802
45°	1078	1078	1078	1078	1078	831
55°	837	838	837	838	837	748
65°	580	578	580	578	580	574
75°	316	309	316	309	316	334
85°	76	64	76	64	76	88
90°	7	52	7	101	7	9
95°	73	54	73	316	73	88
105°	342	548	342	755	342	364
115°	656	910	656	1120	656	647
125°	970	1442	970	1374	970	868
135°	1320	1887	1320	1521	1320	1020
145°	1686	2175	1686	1554	1686	1055
155°	2002	2363	2002	1613	2002	920
165°	2213	2464	2213	1857	2213	623
175°	2314	2412	2314	2178	2314	220
180°	2321	2321	2321	2321	2321	



TEST NUMBER: P1427809

CATALOG NUMBER: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9
2.5°	1646.5	1654.4	1662.2	1658.9	1651.9	1649.2	1650.8	1652.3	1653.1	1653.9	1653.1
5°	1638.6	1648.9	1659.3	1655.6	1647.4	1643.7	1644.8	1646.8	1652.0	1657.2	1652.0
7.5°	1625.3	1635.6	1646.0	1642.7	1634.8	1631.5	1632.7	1635.0	1640.4	1645.8	1640.4
10°	1614.1	1624.4	1634.8	1631.2	1622.9	1619.8	1621.9	1624.4	1628.6	1632.7	1628.6
12.5°	1600.1	1610.5	1620.8	1617.8	1610.4	1607.2	1608.5	1610.6	1615.1	1619.7	1615.1
15°	1574.5	1584.8	1595.2	1592.3	1585.1	1582.2	1583.8	1586.0	1590.1	1594.3	1590.1
17.5°	1543.5	1553.2	1562.9	1560.3	1553.6	1551.1	1552.9	1555.1	1558.7	1562.3	1558.7
20°	1522.0	1531.3	1540.7	1537.9	1531.2	1528.1	1528.6	1529.9	1533.5	1537.2	1533.5
22.5°	1495.9	1505.2	1514.6	1512.1	1505.8	1502.1	1501.0	1501.2	1505.7	1510.1	1505.7
25°	1452.1	1461.4	1470.7	1468.8	1463.1	1459.5	1457.9	1457.7	1461.3	1464.9	1461.3
27.5°	1406.4	1414.2	1421.9	1420.3	1415.5	1412.6	1411.6	1411.5	1414.1	1416.7	1414.1
30°	1372.8	1380.6	1388.4	1386.4	1381.3	1378.2	1377.1	1377.0	1379.6	1382.2	1379.6
32.5°	1337.4	1344.8	1352.1	1349.5	1343.4	1340.3	1340.1	1340.7	1343.7	1346.7	1343.7
35°	1281.9	1288.2	1294.4	1291.7	1286.0	1283.4	1283.9	1284.9	1287.5	1290.1	1287.5
37.5°	1226.2	1231.0	1235.8	1233.0	1227.7	1225.0	1224.9	1225.4	1227.6	1229.7	1227.6
40°	1185.2	1190.4	1195.6	1192.6	1186.9	1183.8	1183.3	1183.5	1186.1	1188.7	1186.1
42.5°	1143.3	1147.2	1151.1	1148.5	1143.6	1141.3	1141.6	1142.2	1143.5	1144.9	1143.5
45°	1078.0	1081.6	1085.2	1082.7	1078.0	1075.7	1075.7	1075.9	1077.0	1078.0	1077.0
47.5°	1009.7	1012.5	1015.3	1013.3	1009.7	1007.5	1006.9	1006.9	1008.5	1010.2	1008.5
50°	960.3	963.9	967.5	965.7	962.1	959.8	958.7	958.5	960.6	962.6	960.6
52.5°	911.8	915.9	919.9	918.2	914.6	912.0	910.6	909.9	911.6	913.2	911.6
55°	836.8	841.4	846.1	844.9	841.8	839.2	837.1	835.9	836.9	837.9	836.9
57.5°	760.1	764.6	769.2	768.3	765.6	763.0	760.5	759.0	760.5	761.9	760.5
60°	709.7	713.9	718.0	716.7	713.6	711.0	709.0	707.7	708.7	709.7	708.7
62.5°	658.5	662.6	666.7	665.1	661.6	658.8	656.7	655.4	656.5	657.5	656.5
65°	580.4	584.0	587.6	586.2	583.1	580.5	578.4	577.0	577.5	578.0	577.5
67.5°	501.6	504.7	507.8	506.3	503.3	500.3	497.3	495.3	496.1	496.9	496.1
70°	447.5	450.6	453.7	452.6	450.0	447.4	444.8	442.9	442.9	442.9	442.9
72.5°	395.3	398.0	400.7	399.1	396.1	393.5	391.3	389.7	389.7	389.7	389.7
75°	315.8	317.4	318.9	318.2	316.6	314.5	311.9	309.9	309.3	308.8	309.3
77.5°	239.1	239.1	239.1	237.7	235.7	233.7	231.8	230.1	229.5	228.9	229.5
80°	188.8	188.8	188.8	187.6	186.1	184.5	183.0	181.5	180.5	179.5	180.5
82.5°	142.2	141.4	140.5	139.1	137.6	135.6	133.2	131.7	132.8	133.8	132.8
85°	75.8	74.7	73.7	72.3	70.7	68.9	66.8	65.1	64.6	64.1	64.6
87.5°	24.7	25.8	27.3	28.0	28.2	27.2	25.5	24.7	24.7	24.3	24.7
90°	7.0	16.4	28.1	37.5	44.5	46.9	46.9	49.2	51.6	51.6	51.6
92.5°	25.8	40.8	41.3	41.3	50.2	54.4	58.1	58.6	60.9	60.9	60.9
95°	72.7	79.7	119.6	117.2	79.7	63.3	53.9	53.9	53.9	53.9	53.9
97.5°	138.8	149.1	155.7	208.6	220.4	212.9	173.5	145.8	130.3	123.3	130.3
100°	196.9	201.6	215.7	218.0	276.6	332.9	304.7	269.6	257.9	250.8	257.9
102.5°	255.0	257.9	279.4	289.3	302.9	334.7	432.3	421.5	413.5	412.1	413.5
105°	342.3	344.6	384.4	403.2	412.6	412.6	410.2	457.1	532.1	548.5	532.1
107.5°	435.5	446.3	493.2	543.4	554.2	557.0	544.8	537.8	534.9	536.8	534.9
110°	499.3	515.7	572.0	635.3	651.7	656.4	651.7	644.7	640.0	640.0	640.0



TEST NUMBER: P1427809

CATALOG NUMBER: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	561.2	585.1	648.9	721.5	749.2	763.3	753.0	747.8	743.1	746.9	743.1
115°	656.4	691.5	775.9	850.9	907.2	914.2	911.9	911.9	909.5	909.5	909.5
117.5°	744.5	800.8	895.5	982.7	1047.9	1066.6	1076.0	1073.2	1070.4	1075.0	1070.4
120°	806.4	872.0	979.9	1078.3	1141.6	1169.7	1179.1	1174.4	1179.1	1174.4	1179.1
122.5°	872.0	952.7	1058.6	1160.8	1235.4	1267.3	1278.5	1279.5	1280.4	1277.6	1280.4
125°	970.5	1068.9	1193.2	1298.7	1376.0	1413.5	1422.9	1425.3	1430.0	1441.7	1430.0
127.5°	1069.9	1181.5	1317.9	1419.6	1498.9	1544.3	1558.9	1564.0	1573.9	1579.0	1573.9
130°	1139.3	1265.9	1404.2	1500.3	1577.6	1626.9	1652.7	1659.7	1671.4	1669.1	1671.4
132.5°	1212.4	1344.6	1484.8	1584.7	1656.4	1709.4	1731.4	1751.6	1755.8	1759.1	1755.8
135°	1319.8	1462.8	1603.4	1701.9	1769.9	1821.4	1849.6	1868.3	1880.0	1887.1	1880.0
137.5°	1432.8	1583.7	1718.8	1806.4	1874.9	1919.4	1951.3	1971.0	1983.2	1988.8	1983.2
140°	1509.7	1655.0	1786.3	1877.7	1938.6	1983.2	2011.3	2034.8	2048.8	2048.8	2048.8
142.5°	1582.8	1726.3	1853.8	1945.2	1998.7	2039.4	2069.4	2087.3	2103.2	2103.2	2103.2
145°	1685.5	1828.5	1945.7	2037.1	2081.6	2119.1	2152.0	2166.0	2175.4	2175.4	2175.4
147.5°	1792.8	1919.4	2026.3	2114.0	2151.5	2195.6	2221.3	2232.6	2244.3	2239.2	2244.3
150°	1856.6	1973.8	2076.9	2159.0	2196.5	2238.7	2264.5	2273.9	2285.6	2278.5	2285.6
152.5°	1918.5	2030.1	2123.8	2200.3	2232.1	2274.3	2303.9	2313.2	2321.2	2316.1	2321.2
155°	2001.9	2100.4	2187.1	2257.5	2285.6	2325.4	2353.6	2365.3	2374.7	2362.9	2374.7
157.5°	2076.5	2161.3	2236.8	2301.5	2331.5	2365.8	2392.0	2406.5	2415.9	2410.8	2415.9
160°	2121.5	2198.8	2266.8	2327.8	2355.9	2386.4	2414.5	2430.9	2440.3	2433.3	2440.3
162.5°	2159.0	2228.9	2293.1	2348.4	2372.8	2399.5	2433.3	2447.8	2457.2	2448.3	2457.2
165°	2212.9	2269.2	2325.4	2372.3	2393.4	2414.5	2449.7	2466.1	2473.1	2463.7	2473.1
167.5°	2253.7	2296.8	2342.3	2382.6	2398.1	2418.7	2453.9	2467.5	2476.4	2464.7	2476.4
170°	2276.2	2313.7	2353.6	2386.4	2398.1	2416.9	2452.0	2463.7	2470.8	2459.1	2470.8
172.5°	2295.0	2323.1	2355.4	2384.5	2390.6	2405.6	2438.9	2450.6	2455.8	2445.9	2455.8
175°	2313.7	2330.1	2353.6	2372.3	2370.0	2379.3	2407.5	2416.9	2426.2	2412.2	2426.2
177.5°	2322.6	2330.1	2337.6	2348.9	2341.4	2341.4	2362.0	2367.6	2369.5	2362.0	2369.5
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1427809

CATALOG NUMBER: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9
2.5°	1652.3	1650.8	1649.2	1651.9	1658.9	1662.2	1654.4	1646.5	1654.4	1662.2	1658.9
5°	1646.8	1644.8	1643.7	1647.4	1655.6	1659.3	1648.9	1638.6	1648.9	1659.3	1655.6
7.5°	1635.0	1632.7	1631.5	1634.8	1642.7	1646.0	1635.6	1625.3	1635.6	1646.0	1642.7
10°	1624.4	1621.9	1619.8	1622.9	1631.2	1634.8	1624.4	1614.1	1624.4	1634.8	1631.2
12.5°	1610.6	1608.5	1607.2	1610.4	1617.8	1620.8	1610.5	1600.1	1610.5	1620.8	1617.8
15°	1586.0	1583.8	1582.2	1585.1	1592.3	1595.2	1584.8	1574.5	1584.8	1595.2	1592.3
17.5°	1555.1	1552.9	1551.1	1553.6	1560.3	1562.9	1553.2	1543.5	1553.2	1562.9	1560.3
20°	1529.9	1528.6	1528.1	1531.2	1537.9	1540.7	1531.3	1522.0	1531.3	1540.7	1537.9
22.5°	1501.2	1501.0	1502.1	1505.8	1512.1	1514.6	1505.2	1495.9	1505.2	1514.6	1512.1
25°	1457.7	1457.9	1459.5	1463.1	1468.8	1470.7	1461.4	1452.1	1461.4	1470.7	1468.8
27.5°	1411.5	1411.6	1412.6	1415.5	1420.3	1421.9	1414.2	1406.4	1414.2	1421.9	1420.3
30°	1377.0	1377.1	1378.2	1381.3	1386.4	1388.4	1380.6	1372.8	1380.6	1388.4	1386.4
32.5°	1340.7	1340.1	1340.3	1343.4	1349.5	1352.1	1344.8	1337.4	1344.8	1352.1	1349.5
35°	1284.9	1283.9	1283.4	1286.0	1291.7	1294.4	1288.2	1281.9	1288.2	1294.4	1291.7
37.5°	1225.4	1224.9	1225.0	1227.7	1233.0	1235.8	1231.0	1226.2	1231.0	1235.8	1233.0
40°	1183.5	1183.3	1183.8	1186.9	1192.6	1195.6	1190.4	1185.2	1190.4	1195.6	1192.6
42.5°	1142.2	1141.6	1141.3	1143.6	1148.5	1151.1	1147.2	1143.3	1147.2	1151.1	1148.5
45°	1075.9	1075.7	1075.7	1078.0	1082.7	1085.2	1081.6	1078.0	1081.6	1085.2	1082.7
47.5°	1006.9	1006.9	1007.5	1009.7	1013.3	1015.3	1012.5	1009.7	1012.5	1015.3	1013.3
50°	958.5	958.7	959.8	962.1	965.7	967.5	963.9	960.3	963.9	967.5	965.7
52.5°	909.9	910.6	912.0	914.6	918.2	919.9	915.9	911.8	915.9	919.9	918.2
55°	835.9	837.1	839.2	841.8	844.9	846.1	841.4	836.8	841.4	846.1	844.9
57.5°	759.0	760.5	763.0	765.6	768.3	769.2	764.6	760.1	764.6	769.2	768.3
60°	707.7	709.0	711.0	713.6	716.7	718.0	713.9	709.7	713.9	718.0	716.7
62.5°	655.4	656.7	658.8	661.6	665.1	666.7	662.6	658.5	662.6	666.7	665.1
65°	577.0	578.4	580.5	583.1	586.2	587.6	584.0	580.4	584.0	587.6	586.2
67.5°	495.3	497.3	500.3	503.3	506.3	507.8	504.7	501.6	504.7	507.8	506.3
70°	442.9	444.8	447.4	450.0	452.6	453.7	450.6	447.5	450.6	453.7	452.6
72.5°	389.7	391.3	393.5	396.1	399.1	400.7	398.0	395.3	398.0	400.7	399.1
75°	309.9	311.9	314.5	316.6	318.2	318.9	317.4	315.8	317.4	318.9	318.2
77.5°	230.1	231.8	233.7	235.7	237.7	239.1	239.1	239.1	239.1	239.1	237.7
80°	181.5	183.0	184.5	186.1	187.6	188.8	188.8	188.8	188.8	188.8	187.6
82.5°	131.7	133.2	135.6	137.6	139.1	140.5	141.4	142.2	141.4	140.5	139.1
85°	65.1	66.8	68.9	70.7	72.3	73.7	74.7	75.8	74.7	73.7	72.3
87.5°	24.7	25.5	27.2	28.2	28.0	27.3	25.8	24.7	25.8	26.8	29.0
90°	49.2	46.9	46.9	44.5	37.5	28.1	16.4	7.0	16.4	25.8	42.2
92.5°	58.6	58.1	54.4	50.2	41.3	41.3	40.8	25.8	44.5	63.3	91.0
95°	53.9	53.9	63.3	79.7	117.2	119.6	79.7	72.7	103.1	145.3	182.8
97.5°	145.8	173.5	212.9	220.4	208.6	155.7	149.1	138.8	188.9	230.7	291.1
100°	269.6	304.7	332.9	276.6	218.0	215.7	201.6	196.9	250.8	290.7	349.3
102.5°	421.5	432.3	334.7	302.9	289.3	279.4	257.9	255.0	309.0	363.8	413.0
105°	457.1	410.2	412.6	412.6	403.2	384.4	344.6	342.3	403.2	466.5	527.4
107.5°	537.8	544.8	557.0	554.2	543.4	493.2	446.3	435.5	490.4	566.4	633.4
110°	644.7	651.7	656.4	651.7	635.3	572.0	515.7	499.3	548.5	628.2	700.9



TEST NUMBER: P1427809

CATALOG NUMBER: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	747.8	753.0	763.3	749.2	721.5	648.9	585.1	561.2	610.4	692.0	766.5
115°	911.9	911.9	914.2	907.2	850.9	775.9	691.5	656.4	698.6	773.6	855.6
117.5°	1073.2	1076.0	1066.6	1047.9	982.7	895.5	800.8	744.5	777.8	857.0	941.4
120°	1174.4	1179.1	1169.7	1141.6	1078.3	979.9	872.0	806.4	832.2	909.5	993.9
122.5°	1279.5	1278.5	1267.3	1235.4	1160.8	1058.6	952.7	872.0	882.8	954.6	1037.1
125°	1425.3	1422.9	1413.5	1376.0	1298.7	1193.2	1068.9	970.5	956.4	1017.4	1101.8
127.5°	1564.0	1558.9	1544.3	1498.9	1419.6	1317.9	1181.5	1069.9	1038.5	1076.9	1154.3
130°	1659.7	1652.7	1626.9	1577.6	1500.3	1404.2	1265.9	1139.3	1094.7	1118.2	1186.2
132.5°	1751.6	1731.4	1709.4	1656.4	1584.7	1484.8	1344.6	1212.4	1151.0	1161.3	1214.3
135°	1868.3	1849.6	1821.4	1769.9	1701.9	1603.4	1462.8	1319.8	1235.4	1226.0	1256.5
137.5°	1971.0	1951.3	1919.4	1874.9	1806.4	1718.8	1583.7	1432.8	1326.3	1294.9	1306.6
140°	2034.8	2011.3	1983.2	1938.6	1877.7	1786.3	1655.0	1509.7	1390.1	1345.6	1338.5
142.5°	2087.3	2069.4	2039.4	1998.7	1945.2	1853.8	1726.3	1582.8	1455.7	1398.1	1381.7
145°	2166.0	2152.0	2119.1	2081.6	2037.1	1945.7	1828.5	1685.5	1558.9	1483.9	1448.7
147.5°	2232.6	2221.3	2195.6	2151.5	2114.0	2026.3	1919.4	1792.8	1663.0	1570.1	1524.7
150°	2273.9	2264.5	2238.7	2196.5	2159.0	2076.9	1973.8	1856.6	1732.4	1633.9	1575.3
152.5°	2313.2	2303.9	2274.3	2232.1	2200.3	2123.8	2030.1	1918.5	1792.4	1693.9	1633.4
155°	2365.3	2353.6	2325.4	2285.6	2257.5	2187.1	2100.4	2001.9	1894.1	1791.0	1723.0
157.5°	2406.5	2392.0	2365.8	2331.5	2301.5	2236.8	2161.3	2076.5	1982.2	1883.8	1814.4
160°	2430.9	2414.5	2386.4	2355.9	2327.8	2266.8	2198.8	2121.5	2034.8	1945.7	1870.7
162.5°	2447.8	2433.3	2399.5	2372.8	2348.4	2293.1	2228.9	2159.0	2081.6	2003.8	1934.4
165°	2466.1	2449.7	2414.5	2393.4	2372.3	2325.4	2269.2	2212.9	2147.3	2084.0	2027.7
167.5°	2467.5	2453.9	2418.7	2398.1	2382.6	2342.3	2296.8	2253.7	2202.6	2152.9	2106.0
170°	2463.7	2452.0	2416.9	2398.1	2386.4	2353.6	2313.7	2276.2	2236.4	2194.2	2156.7
172.5°	2450.6	2438.9	2405.6	2390.6	2384.5	2355.4	2323.1	2295.0	2260.7	2229.8	2199.8
175°	2416.9	2407.5	2379.3	2370.0	2372.3	2353.6	2330.1	2313.7	2292.6	2273.9	2257.5
177.5°	2367.6	2362.0	2341.4	2341.4	2348.9	2337.6	2330.1	2322.6	2313.2	2307.6	2302.0
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1427809

CATALOG NUMBER: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9
2.5°	1651.9	1649.2	1650.8	1652.3	1653.1	1653.9	1653.1	1652.3	1650.8	1649.2	1651.9
5°	1647.4	1643.7	1644.8	1646.8	1652.0	1657.2	1652.0	1646.8	1644.8	1643.7	1647.4
7.5°	1634.8	1631.5	1632.7	1635.0	1640.4	1645.8	1640.4	1635.0	1632.7	1631.5	1634.8
10°	1622.9	1619.8	1621.9	1624.4	1628.6	1632.7	1628.6	1624.4	1621.9	1619.8	1622.9
12.5°	1610.4	1607.2	1608.5	1610.6	1615.1	1619.7	1615.1	1610.6	1608.5	1607.2	1610.4
15°	1585.1	1582.2	1583.8	1586.0	1590.1	1594.3	1590.1	1586.0	1583.8	1582.2	1585.1
17.5°	1553.6	1551.1	1552.9	1555.1	1558.7	1562.3	1558.7	1555.1	1552.9	1551.1	1553.6
20°	1531.2	1528.1	1528.6	1529.9	1533.5	1537.2	1533.5	1529.9	1528.6	1528.1	1531.2
22.5°	1505.8	1502.1	1501.0	1501.2	1505.7	1510.1	1505.7	1501.2	1501.0	1502.1	1505.8
25°	1463.1	1459.5	1457.9	1457.7	1461.3	1464.9	1461.3	1457.7	1459.5	1459.5	1463.1
27.5°	1415.5	1412.6	1411.6	1411.5	1414.1	1416.7	1414.1	1411.5	1411.6	1412.6	1415.5
30°	1381.3	1378.2	1377.1	1377.0	1379.6	1382.2	1379.6	1377.0	1377.1	1378.2	1381.3
32.5°	1343.4	1340.3	1340.1	1340.7	1343.7	1346.7	1343.7	1340.7	1340.1	1340.3	1343.4
35°	1286.0	1283.4	1283.9	1284.9	1287.5	1290.1	1287.5	1284.9	1283.9	1283.4	1286.0
37.5°	1227.7	1225.0	1224.9	1225.4	1227.6	1229.7	1227.6	1225.4	1224.9	1225.0	1227.7
40°	1186.9	1183.8	1183.3	1183.5	1186.1	1188.7	1186.1	1183.5	1183.3	1183.8	1186.9
42.5°	1143.6	1141.3	1141.6	1142.2	1143.5	1144.9	1143.5	1142.2	1141.6	1141.3	1143.6
45°	1078.0	1075.7	1075.7	1075.9	1077.0	1078.0	1077.0	1075.9	1075.7	1075.7	1078.0
47.5°	1009.7	1007.5	1006.9	1006.9	1008.5	1010.2	1008.5	1006.9	1006.9	1007.5	1009.7
50°	962.1	959.8	958.7	958.5	960.6	962.6	960.6	958.5	958.7	959.8	962.1
52.5°	914.6	912.0	910.6	909.9	911.6	913.2	911.6	909.9	910.6	912.0	914.6
55°	841.8	839.2	837.1	835.9	836.9	837.9	836.9	835.9	837.1	839.2	841.8
57.5°	765.6	763.0	760.5	759.0	760.5	761.9	760.5	759.0	760.5	763.0	765.6
60°	713.6	711.0	709.0	707.7	708.7	709.7	708.7	707.7	709.0	711.0	713.6
62.5°	661.6	658.8	656.7	655.4	656.5	657.5	656.5	655.4	656.7	658.8	661.6
65°	583.1	580.5	578.4	577.0	577.5	578.0	577.5	577.0	578.4	580.5	583.1
67.5°	503.3	500.3	497.3	495.3	496.1	496.9	496.1	495.3	497.3	500.3	503.3
70°	450.0	447.4	444.8	442.9	442.9	442.9	442.9	442.9	444.8	447.4	450.0
72.5°	396.1	393.5	391.3	389.7	389.7	389.7	389.7	389.7	391.3	393.5	396.1
75°	316.6	314.5	311.9	309.9	309.3	308.8	309.3	309.9	311.9	314.5	316.6
77.5°	235.7	233.7	231.8	230.1	229.5	228.9	229.5	230.1	231.8	233.7	235.7
80°	186.1	184.5	183.0	181.5	180.5	179.5	180.5	181.5	183.0	184.5	186.1
82.5°	137.6	135.6	133.2	131.7	132.8	133.8	132.8	131.7	133.2	135.6	137.6
85°	70.7	68.9	66.8	65.1	64.6	64.1	64.6	65.1	66.8	68.9	70.7
87.5°	30.1	31.9	33.5	34.0	35.5	34.1	35.5	34.0	33.5	31.9	30.1
90°	53.9	70.3	86.7	96.1	105.5	100.8	105.5	96.1	86.7	70.3	53.9
92.5°	108.3	136.0	156.1	173.0	180.5	179.6	180.5	173.0	156.1	136.0	108.3
95°	218.0	250.8	283.6	307.1	321.2	316.5	321.2	307.1	283.6	250.8	218.0
97.5°	336.2	380.2	416.8	438.8	452.9	462.3	452.9	438.8	416.8	380.2	336.2
100°	414.9	457.1	499.3	525.1	548.5	557.9	548.5	525.1	499.3	457.1	414.9
102.5°	478.7	534.0	580.0	607.6	627.3	636.7	627.3	607.6	580.0	534.0	478.7
105°	583.7	642.3	691.5	726.7	747.8	754.8	747.8	726.7	691.5	642.3	583.7
107.5°	688.7	749.2	794.7	833.6	859.4	874.4	859.4	833.6	794.7	749.2	688.7
110°	771.2	820.5	869.7	904.9	930.6	940.0	930.6	904.9	869.7	820.5	771.2



TEST NUMBER: P1427809

CATALOG NUMBER: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	840.6	895.5	944.7	979.9	1009.4	1022.5	1009.4	979.9	944.7	895.5	840.6
115°	937.7	1010.3	1054.9	1087.7	1108.8	1120.5	1108.8	1087.7	1054.9	1010.3	937.7
117.5°	1018.3	1094.3	1143.0	1168.3	1178.2	1186.6	1178.2	1168.3	1143.0	1094.3	1018.3
120°	1068.9	1139.3	1195.5	1228.4	1240.1	1244.8	1240.1	1228.4	1195.5	1139.3	1068.9
122.5°	1115.8	1182.4	1236.8	1277.1	1296.3	1301.0	1296.3	1277.1	1236.8	1182.4	1115.8
125°	1181.5	1244.8	1301.0	1340.9	1362.0	1373.7	1362.0	1340.9	1301.0	1244.8	1181.5
127.5°	1238.7	1307.1	1358.7	1394.8	1415.4	1424.8	1415.4	1394.8	1358.7	1307.1	1238.7
130°	1270.5	1340.9	1392.4	1432.3	1451.1	1460.4	1451.1	1432.3	1392.4	1340.9	1270.5
132.5°	1294.9	1369.0	1422.5	1458.6	1479.2	1488.6	1479.2	1458.6	1422.5	1369.0	1294.9
135°	1324.5	1401.8	1458.1	1493.2	1512.0	1521.4	1512.0	1493.2	1458.1	1401.8	1324.5
137.5°	1350.3	1420.6	1479.2	1516.2	1533.1	1539.2	1533.1	1516.2	1479.2	1420.6	1350.3
140°	1369.0	1430.0	1488.6	1523.7	1542.5	1544.8	1542.5	1523.7	1488.6	1430.0	1369.0
142.5°	1393.4	1441.2	1492.3	1527.5	1546.2	1550.4	1546.2	1527.5	1492.3	1441.2	1393.4
145°	1437.0	1465.1	1500.3	1533.1	1549.5	1554.2	1549.5	1533.1	1500.3	1465.1	1437.0
147.5°	1491.8	1500.7	1519.0	1540.6	1556.5	1559.8	1556.5	1540.6	1519.0	1500.7	1491.8
150°	1533.1	1530.8	1537.8	1551.9	1565.9	1563.6	1565.9	1551.9	1537.8	1530.8	1533.1
152.5°	1580.0	1566.4	1565.9	1572.5	1579.0	1578.6	1579.0	1572.5	1565.9	1566.4	1580.0
155°	1659.7	1633.9	1619.8	1615.1	1615.1	1612.8	1615.1	1615.1	1619.8	1633.9	1659.7
157.5°	1747.4	1711.3	1690.2	1678.9	1675.6	1670.5	1675.6	1678.9	1690.2	1711.3	1747.4
160°	1807.4	1767.5	1746.4	1727.7	1720.6	1713.6	1720.6	1727.7	1746.4	1767.5	1807.4
162.5°	1863.6	1825.7	1802.7	1785.8	1778.8	1768.0	1778.8	1785.8	1802.7	1825.7	1863.6
165°	1955.1	1915.2	1889.4	1875.3	1866.0	1856.6	1866.0	1875.3	1889.4	1915.2	1955.1
167.5°	2046.5	2002.9	1986.0	1970.1	1961.1	1944.3	1961.1	1970.1	1986.0	2002.9	2046.5
170°	2102.7	2062.9	2053.5	2039.4	2023.0	2004.3	2023.0	2039.4	2053.5	2062.9	2102.7
172.5°	2151.5	2124.8	2115.4	2101.3	2096.2	2081.2	2096.2	2101.3	2115.4	2124.8	2151.5
175°	2222.3	2201.2	2201.2	2198.8	2191.8	2177.7	2191.8	2198.8	2201.2	2201.2	2222.3
177.5°	2281.4	2270.1	2277.6	2277.6	2275.7	2262.6	2275.7	2277.6	2277.6	2270.1	2281.4
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1427809

CATALOG NUMBER: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1654.9	1654.9	1654.9	1654.9
2.5°	1658.9	1662.2	1654.4	1646.5
5°	1655.6	1659.3	1648.9	1638.6
7.5°	1642.7	1646.0	1635.6	1625.3
10°	1631.2	1634.8	1624.4	1614.1
12.5°	1617.8	1620.8	1610.5	1600.1
15°	1592.3	1595.2	1584.8	1574.5
17.5°	1560.3	1562.9	1553.2	1543.5
20°	1537.9	1540.7	1531.3	1522.0
22.5°	1512.1	1514.6	1505.2	1495.9
25°	1468.8	1470.7	1461.4	1452.1
27.5°	1420.3	1421.9	1414.2	1406.4
30°	1386.4	1388.4	1380.6	1372.8
32.5°	1349.5	1352.1	1344.8	1337.4
35°	1291.7	1294.4	1288.2	1281.9
37.5°	1233.0	1235.8	1231.0	1226.2
40°	1192.6	1195.6	1190.4	1185.2
42.5°	1148.5	1151.1	1147.2	1143.3
45°	1082.7	1085.2	1081.6	1078.0
47.5°	1013.3	1015.3	1012.5	1009.7
50°	965.7	967.5	963.9	960.3
52.5°	918.2	919.9	915.9	911.8
55°	844.9	846.1	841.4	836.8
57.5°	768.3	769.2	764.6	760.1
60°	716.7	718.0	713.9	709.7
62.5°	665.1	666.7	662.6	658.5
65°	586.2	587.6	584.0	580.4
67.5°	506.3	507.8	504.7	501.6
70°	452.6	453.7	450.6	447.5
72.5°	399.1	400.7	398.0	395.3
75°	318.2	318.9	317.4	315.8
77.5°	237.7	239.1	239.1	239.1
80°	187.6	188.8	188.8	188.8
82.5°	139.1	140.5	141.4	142.2
85°	72.3	73.7	74.7	75.8
87.5°	29.0	26.8	25.8	24.7
90°	42.2	25.8	16.4	7.0
92.5°	91.0	63.3	44.5	25.8
95°	182.8	145.3	103.1	72.7
97.5°	291.1	230.7	188.9	138.8
100°	349.3	290.7	250.8	196.9
102.5°	413.0	363.8	309.0	255.0
105°	527.4	466.5	403.2	342.3
107.5°	633.4	566.4	490.4	435.5
110°	700.9	628.2	548.5	499.3



TEST NUMBER: P1427809

CATALOG NUMBER: SQ2W-F-K-150U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	766.5	692.0	610.4	561.2
115°	855.6	773.6	698.6	656.4
117.5°	941.4	857.0	777.8	744.5
120°	993.9	909.5	832.2	806.4
122.5°	1037.1	954.6	882.8	872.0
125°	1101.8	1017.4	956.4	970.5
127.5°	1154.3	1076.9	1038.5	1069.9
130°	1186.2	1118.2	1094.7	1139.3
132.5°	1214.3	1161.3	1151.0	1212.4
135°	1256.5	1226.0	1235.4	1319.8
137.5°	1306.6	1294.9	1326.3	1432.8
140°	1338.5	1345.6	1390.1	1509.7
142.5°	1381.7	1398.1	1455.7	1582.8
145°	1448.7	1483.9	1558.9	1685.5
147.5°	1524.7	1570.1	1663.0	1792.8
150°	1575.3	1633.9	1732.4	1856.6
152.5°	1633.4	1693.9	1792.4	1918.5
155°	1723.0	1791.0	1894.1	2001.9
157.5°	1814.4	1883.8	1982.2	2076.5
160°	1870.7	1945.7	2034.8	2121.5
162.5°	1934.4	2003.8	2081.6	2159.0
165°	2027.7	2084.0	2147.3	2212.9
167.5°	2106.0	2152.9	2202.6	2253.7
170°	2156.7	2194.2	2236.4	2276.2
172.5°	2199.8	2229.8	2260.7	2295.0
175°	2257.5	2273.9	2292.6	2313.7
177.5°	2302.0	2307.6	2313.2	2322.6
180°	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1427809
 CATALOG NUMBER: SQ2W-F-K-150U-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	18.36	19.15	19.39	20.19	21.59	18.28	19.07	19.31	20.11	21.50
	3H	20.15	20.86	21.19	21.91	23.32	20.04	20.75	21.08	21.80	23.22
	4H	20.84	21.51	21.89	22.56	23.99	20.72	21.40	21.78	22.45	23.87
	6H	21.27	21.89	22.33	22.95	24.38	21.13	21.75	22.19	22.81	24.24
	8H	21.43	22.02	22.50	23.09	24.52	21.27	21.87	22.34	22.94	24.37
	12H	21.51	22.07	22.58	23.14	24.59	21.34	21.90	22.41	22.96	24.42
4H	2H	18.93	19.61	19.99	20.66	22.08	18.87	19.54	19.93	20.59	22.01
	3H	20.95	21.51	22.01	22.59	24.03	20.86	21.42	21.92	22.50	23.93
	4H	21.76	22.28	22.83	23.34	24.80	21.65	22.17	22.72	23.23	24.69
	6H	22.31	22.75	23.39	23.84	25.30	22.17	22.61	23.25	23.70	25.15
	8H	22.52	22.94	23.60	24.02	25.49	22.36	22.78	23.44	23.86	25.33
	12H	22.63	23.01	23.73	24.10	25.58	22.45	22.82	23.55	23.92	25.39
8H	4H	22.00	22.41	23.08	23.50	24.96	21.90	22.32	22.98	23.40	24.87
	6H	22.68	23.03	23.79	24.15	25.62	22.55	22.90	23.66	24.02	25.49
	8H	22.99	23.29	24.10	24.40	25.88	22.83	23.13	23.94	24.24	25.73
	12H	23.17	23.43	24.28	24.54	26.06	22.98	23.24	24.09	24.35	25.87
12H	4H	21.99	22.36	23.09	23.46	24.93	21.90	22.27	23.00	23.37	24.84
	6H	22.73	23.03	23.84	24.14	25.63	22.61	22.91	23.72	24.02	25.50
	8H	23.06	23.33	24.18	24.43	25.96	22.91	23.18	24.03	24.28	25.80