

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: P1428466

Luminaire Tested: SQ2W-PW1-K-125U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428466  
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-125U-125D-L940-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 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

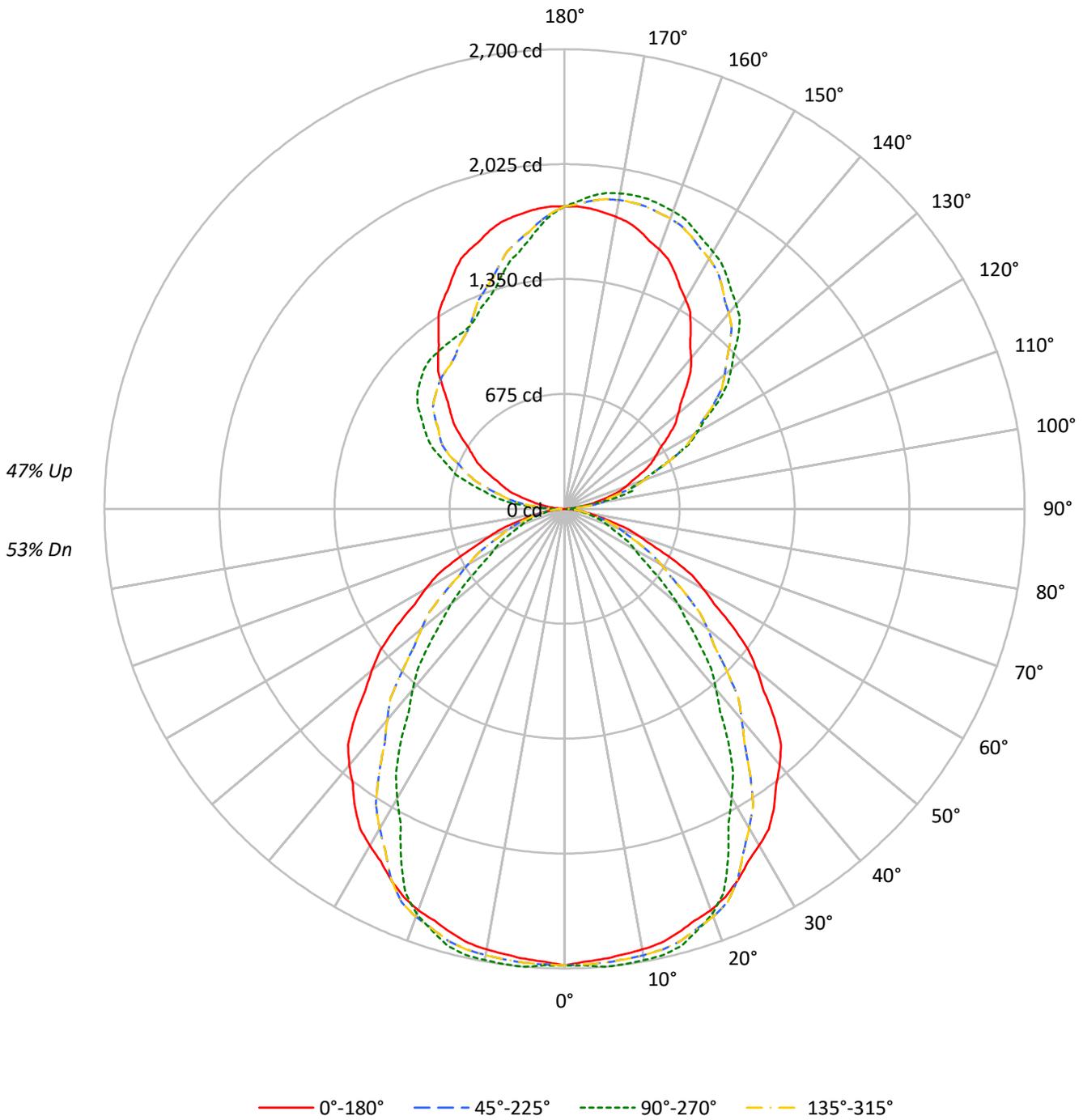
Lumens per Lamp: N/A  
Luminaire Lumens: 11144.4 lumens  
Efficiency: N/A  
Efficacy: 119.6 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

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

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CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L940-UNV-STD-W-WM-4

### 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	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53				53
1	99	95	91	88	92	88	85	82	76	73	71	64	62	61	53	52	51	46				46
2	91	84	78	73	84	78	73	69	67	63	60	57	54	52	48	46	44	40				40
3	83	74	67	61	77	69	63	58	60	55	51	51	47	45	43	40	38	34				34
4	76	66	58	53	71	62	55	50	53	48	44	46	42	39	39	36	33	30				30
5	70	59	51	45	65	55	48	43	48	43	38	41	37	34	35	32	29	26				26
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26	23				23
7	60	48	40	35	56	45	38	33	40	34	30	34	30	27	29	26	24	21				21
8	56	44	36	31	52	41	34	30	36	31	27	32	27	24	27	24	21	19				19
9	52	40	33	28	49	38	31	27	33	28	24	29	25	22	25	22	19	17				17
10	49	37	30	25	45	35	28	24	31	26	22	27	23	20	23	20	18	16				16

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

	0°	90°	180°	270°
0°	43307	43307	43307	43307
5°	43017	43763	43017	43763
10°	43097	44143	43097	44143
15°	43085	44409	43085	44409
20°	43102	43540	43102	43540
25°	42869	40457	42869	40457
30°	42578	36576	42578	36576
35°	42245	33030	42245	33030
40°	41405	29183	41405	29183
45°	39780	25489	39780	25489
50°	37024	21818	37024	21818
55°	33869	17689	33869	17689
60°	30357	15261	30357	15261
65°	26544	13566	26544	13566
70°	21706	12302	21706	12302
75°	16893	11316	16893	11316
80°	12589	9977	12589	9977
85°	8521	5687	8521	5687

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 39780 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	255.4	2.3
10°-20°	740.1	6.6
20°-30°	1089.1	9.8
30°-40°	1190.8	10.7
40°-50°	1068.2	9.6
50°-60°	796.8	7.2
60°-70°	503.6	4.5
70°-80°	249.5	2.2
80°-90°	65.7	0.6
90°-100°	141.3	1.3
100°-110°	412.2	3.7
110°-120°	672.6	6.0
120°-130°	853.5	7.7
130°-140°	913.3	8.2
140°-150°	852.8	7.7
150°-160°	701.7	6.3
160°-170°	470.6	4.2
170°-180°	167.1	1.5
0°-30°	2084.5	18.7
0°-40°	3275.3	29.4
0°-60°	5140.4	46.1
0°-90°	5959.2	53.5
90°-120°	1226.1	11.0
90°-150°	3845.7	34.5
90°-180°	5185.0	46.5
0°-180°	11144.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2682	2682	2682	2682	2682	
5°	2654	2700	2654	2700	2654	253
15°	2578	2657	2578	2657	2578	728
25°	2406	2271	2406	2271	2406	1108
35°	2143	1676	2143	1676	2143	1337
45°	1742	1116	1742	1116	1742	1336
55°	1203	628	1203	628	1203	1074
65°	695	355	695	355	695	689
75°	271	181	271	181	271	298
85°	46	31	46	31	46	58
90°	5	40	5	77	5	6
95°	56	41	56	242	56	67
105°	262	420	262	578	262	279
115°	502	696	502	857	502	495
125°	743	1103	743	1051	743	664
135°	1010	1444	1010	1164	1010	780
145°	1290	1665	1290	1189	1290	807
155°	1532	1808	1532	1234	1532	704
165°	1693	1885	1693	1421	1693	477
175°	1770	1846	1770	1666	1770	168
180°	1776	1776	1776	1776	1776	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2663.9	2679.4	2694.8	2691.2	2681.2	2676.6	2677.5	2678.9	2681.6	2684.3	2681.6
5°	2654.2	2673.5	2692.8	2690.0	2679.7	2675.2	2676.3	2679.7	2690.0	2700.2	2690.0
7.5°	2640.9	2660.4	2680.0	2679.1	2671.3	2669.4	2673.3	2678.7	2688.7	2698.7	2688.7
10°	2628.7	2649.1	2669.5	2669.5	2662.7	2662.1	2667.8	2674.4	2683.4	2692.5	2683.4
12.5°	2612.3	2633.7	2655.0	2656.6	2651.6	2652.4	2659.0	2666.2	2675.3	2684.3	2675.3
15°	2577.6	2600.3	2623.0	2627.8	2626.7	2630.1	2638.0	2645.4	2651.1	2656.8	2651.1
17.5°	2537.2	2559.9	2582.6	2587.1	2585.5	2585.7	2587.8	2590.0	2592.7	2595.4	2592.7
20°	2508.6	2531.3	2554.0	2557.1	2553.7	2548.0	2540.1	2534.1	2534.1	2534.1	2534.1
22.5°	2467.7	2492.2	2516.8	2516.9	2509.0	2494.2	2472.7	2454.7	2447.4	2440.1	2447.4
25°	2406.4	2430.3	2454.1	2443.0	2420.3	2386.8	2342.5	2305.1	2288.0	2271.0	2288.0
27.5°	2334.9	2354.2	2373.5	2344.6	2299.6	2245.7	2182.8	2129.7	2106.1	2082.5	2106.1
30°	2283.8	2298.5	2313.3	2267.6	2201.8	2134.2	2064.9	2007.3	1984.6	1961.9	1984.6
32.5°	2230.7	2236.3	2242.0	2181.8	2099.6	2022.5	1950.5	1890.4	1865.9	1841.3	1865.9
35°	2143.3	2133.1	2122.9	2042.8	1939.5	1851.5	1778.8	1718.9	1697.4	1675.8	1697.4
37.5°	2040.1	2009.7	1979.2	1889.0	1778.9	1685.8	1609.7	1546.7	1522.9	1499.0	1522.9
40°	1964.5	1921.3	1878.2	1781.4	1666.7	1571.3	1495.3	1432.3	1408.4	1384.6	1408.4
42.5°	1880.7	1826.6	1772.6	1673.1	1558.4	1463.0	1387.0	1323.7	1299.0	1274.2	1299.0
45°	1742.2	1678.6	1615.1	1511.5	1394.5	1299.1	1225.3	1164.0	1140.2	1116.3	1140.2
47.5°	1586.4	1523.3	1460.1	1356.8	1240.1	1146.0	1074.5	1015.7	995.3	974.8	995.3
50°	1474.0	1412.7	1351.4	1252.6	1141.3	1049.9	978.4	918.5	893.5	868.6	893.5
52.5°	1359.5	1304.6	1249.6	1154.5	1046.0	955.0	881.7	818.1	784.1	750.0	784.1
55°	1203.2	1151.0	1098.8	1009.1	906.9	814.9	733.2	667.0	647.7	628.4	647.7
57.5°	1042.3	997.1	951.9	871.3	778.9	695.5	621.3	561.6	545.7	529.8	545.7
60°	940.1	900.3	860.6	783.4	693.7	617.6	555.2	504.4	488.5	472.6	488.5
62.5°	842.0	806.8	771.6	697.6	610.6	542.3	492.5	451.9	438.8	425.6	438.8
65°	694.8	668.7	642.6	581.6	508.9	452.2	411.3	377.8	366.4	355.1	366.4
67.5°	551.8	537.3	522.7	477.0	420.9	375.0	339.1	310.3	302.8	295.3	302.8
70°	459.8	455.3	450.7	413.0	364.2	325.0	295.5	271.9	266.2	260.6	266.2
72.5°	380.1	381.9	383.8	352.4	309.9	277.1	253.9	235.6	231.7	227.9	231.7
75°	270.8	279.9	289.0	268.2	237.6	214.3	198.4	185.9	183.6	181.4	183.6
77.5°	184.4	198.1	211.7	198.2	175.8	158.6	146.8	137.5	135.7	133.9	135.7
80°	135.4	149.0	162.6	153.3	136.2	123.2	114.1	107.3	107.3	107.3	107.3
82.5°	94.5	105.4	116.3	109.7	97.2	88.7	84.1	80.7	80.7	80.7	80.7
85°	46.0	51.7	57.3	55.3	50.8	45.1	38.3	32.9	31.8	30.7	31.8
87.5°	13.3	17.5	22.0	20.7	17.3	14.9	14.0	13.7	14.0	14.0	14.0
90°	5.4	12.6	21.5	28.7	34.1	35.9	35.9	37.7	39.5	39.5	39.5
92.5°	19.7	31.2	31.6	31.6	38.4	41.6	44.5	44.8	46.6	46.6	46.6
95°	55.6	61.0	91.5	89.7	61.0	48.4	41.3	41.3	41.3	41.3	41.3
97.5°	106.2	114.1	119.1	159.6	168.6	162.9	132.7	111.6	99.7	94.4	99.7
100°	150.7	154.3	165.0	166.8	211.7	254.7	233.2	206.3	197.3	191.9	197.3
102.5°	195.2	197.3	213.8	221.4	231.8	256.2	330.8	322.5	316.4	315.3	316.4
105°	261.9	263.7	294.2	308.5	315.7	315.7	313.9	349.8	407.2	419.7	407.2
107.5°	333.3	341.5	377.4	415.8	424.0	426.2	416.9	411.5	409.3	410.8	409.3
110°	382.1	394.6	437.7	486.1	498.7	502.3	498.7	493.3	489.7	489.7	489.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	429.4	447.7	496.5	552.1	573.3	584.1	576.2	572.2	568.6	571.5	568.6
115°	502.3	529.2	593.7	651.1	694.2	699.6	697.8	697.8	696.0	696.0	696.0
117.5°	569.7	612.8	685.2	752.0	801.8	816.2	823.3	821.2	819.0	822.6	819.0
120°	617.1	667.3	749.8	825.1	873.6	895.1	902.3	898.7	902.3	898.7	902.3
122.5°	667.3	729.0	810.1	888.3	945.3	969.7	978.3	979.0	979.8	977.6	979.8
125°	742.6	818.0	913.0	993.8	1052.9	1081.6	1088.8	1090.6	1094.2	1103.2	1094.2
127.5°	818.7	904.1	1008.5	1086.3	1146.9	1181.7	1192.9	1196.8	1204.3	1208.3	1204.3
130°	871.8	968.6	1074.5	1148.0	1207.2	1244.9	1264.6	1270.0	1279.0	1277.2	1279.0
132.5°	927.7	1028.9	1136.2	1212.6	1267.5	1308.0	1324.9	1340.3	1343.5	1346.1	1343.5
135°	1009.9	1119.3	1226.9	1302.3	1354.3	1393.8	1415.3	1429.6	1438.6	1444.0	1438.6
137.5°	1096.4	1211.9	1315.2	1382.3	1434.7	1468.7	1493.1	1508.2	1517.5	1521.8	1517.5
140°	1155.2	1266.4	1366.9	1436.8	1483.5	1517.5	1539.1	1557.0	1567.8	1567.8	1567.8
142.5°	1211.2	1320.9	1418.5	1488.5	1529.4	1560.6	1583.5	1597.2	1609.4	1609.4	1609.4
145°	1289.7	1399.1	1488.8	1558.8	1592.9	1621.6	1646.7	1657.5	1664.6	1664.6	1664.6
147.5°	1371.9	1468.7	1550.5	1617.6	1646.3	1680.1	1699.8	1708.4	1717.4	1713.4	1717.4
150°	1420.7	1510.4	1589.3	1652.1	1680.8	1713.1	1732.8	1740.0	1748.9	1743.6	1748.9
152.5°	1468.0	1553.4	1625.2	1683.6	1708.0	1740.3	1762.9	1770.1	1776.2	1772.3	1776.2
155°	1531.9	1607.2	1673.6	1727.4	1748.9	1779.4	1801.0	1809.9	1817.1	1808.1	1817.1
157.5°	1588.9	1653.9	1711.6	1761.1	1784.1	1810.3	1830.4	1841.5	1848.7	1844.7	1848.7
160°	1623.4	1682.6	1734.6	1781.2	1802.7	1826.1	1847.6	1860.1	1867.3	1861.9	1867.3
162.5°	1652.1	1705.5	1754.7	1797.0	1815.7	1836.1	1861.9	1873.1	1880.2	1873.4	1880.2
165°	1693.3	1736.4	1779.4	1815.3	1831.4	1847.6	1874.5	1887.1	1892.4	1885.3	1892.4
167.5°	1724.5	1757.5	1792.3	1823.2	1835.0	1850.8	1877.7	1888.1	1894.9	1886.0	1894.9
170°	1741.8	1770.5	1801.0	1826.1	1835.0	1849.4	1876.3	1885.3	1890.6	1881.7	1890.6
172.5°	1756.1	1777.6	1802.4	1824.6	1829.3	1840.8	1866.2	1875.2	1879.2	1871.6	1879.2
175°	1770.5	1783.0	1801.0	1815.3	1813.5	1820.7	1842.2	1849.4	1856.6	1845.8	1856.6
177.5°	1777.3	1783.0	1788.8	1797.4	1791.6	1791.6	1807.4	1811.7	1813.2	1807.4	1813.2
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2678.9	2677.5	2676.6	2681.2	2691.2	2694.8	2679.4	2663.9	2679.4	2694.8	2691.2
5°	2679.7	2676.3	2675.2	2679.7	2690.0	2692.8	2673.5	2654.2	2673.5	2692.8	2690.0
7.5°	2678.7	2673.3	2669.4	2671.3	2679.1	2680.0	2660.4	2640.9	2660.4	2680.0	2679.1
10°	2674.4	2667.8	2662.1	2662.7	2669.5	2669.5	2649.1	2628.7	2649.1	2669.5	2669.5
12.5°	2666.2	2659.0	2652.4	2651.6	2656.6	2655.0	2633.7	2612.3	2633.7	2655.0	2656.6
15°	2645.4	2638.0	2630.1	2626.7	2627.8	2623.0	2600.3	2577.6	2600.3	2623.0	2627.8
17.5°	2590.0	2587.8	2585.7	2585.5	2587.1	2582.6	2559.9	2537.2	2559.9	2582.6	2587.1
20°	2534.1	2540.1	2548.0	2553.7	2557.1	2554.0	2531.3	2508.6	2531.3	2554.0	2557.1
22.5°	2454.7	2472.7	2494.2	2509.0	2516.9	2516.8	2492.2	2467.7	2492.2	2516.8	2516.9
25°	2305.1	2342.5	2386.8	2420.3	2443.0	2454.1	2430.3	2406.4	2430.3	2454.1	2443.0
27.5°	2129.7	2182.8	2245.7	2299.6	2344.6	2373.5	2354.2	2334.9	2354.2	2373.5	2344.6
30°	2007.3	2064.9	2134.2	2201.8	2267.6	2313.3	2298.5	2283.8	2298.5	2313.3	2267.6
32.5°	1890.4	1950.5	2022.5	2099.6	2181.8	2242.0	2236.3	2230.7	2236.3	2242.0	2181.8
35°	1718.9	1778.8	1851.5	1939.5	2042.8	2122.9	2133.1	2143.3	2133.1	2122.9	2042.8
37.5°	1546.7	1609.7	1685.8	1778.9	1889.0	1979.2	2009.7	2040.1	2009.7	1979.2	1889.0
40°	1432.3	1495.3	1571.3	1666.7	1781.4	1878.2	1921.3	1964.5	1921.3	1878.2	1781.4
42.5°	1323.7	1387.0	1463.0	1558.4	1673.1	1772.6	1826.6	1880.7	1826.6	1772.6	1673.1
45°	1164.0	1225.3	1299.1	1394.5	1511.5	1615.1	1678.6	1742.2	1678.6	1615.1	1511.5
47.5°	1015.7	1074.5	1146.0	1240.1	1356.8	1460.1	1523.3	1586.4	1523.3	1460.1	1356.8
50°	918.5	978.4	1049.9	1141.3	1252.6	1351.4	1412.7	1474.0	1412.7	1351.4	1252.6
52.5°	818.1	881.7	955.0	1046.0	1154.5	1249.6	1304.6	1359.5	1304.6	1249.6	1154.5
55°	667.0	733.2	814.9	906.9	1009.1	1098.8	1151.0	1203.2	1151.0	1098.8	1009.1
57.5°	561.6	621.3	695.5	778.9	871.3	951.9	997.1	1042.3	997.1	951.9	871.3
60°	504.4	555.2	617.6	693.7	783.4	860.6	900.3	940.1	900.3	860.6	783.4
62.5°	451.9	492.5	542.3	610.6	697.6	771.6	806.8	842.0	806.8	771.6	697.6
65°	377.8	411.3	452.2	508.9	581.6	642.6	668.7	694.8	668.7	642.6	581.6
67.5°	310.3	339.1	375.0	420.9	477.0	522.7	537.3	551.8	537.3	522.7	477.0
70°	271.9	295.5	325.0	364.2	413.0	450.7	455.3	459.8	455.3	450.7	413.0
72.5°	235.6	253.9	277.1	309.9	352.4	383.8	381.9	380.1	381.9	383.8	352.4
75°	185.9	198.4	214.3	237.6	268.2	289.0	279.9	270.8	279.9	289.0	268.2
77.5°	137.5	146.8	158.6	175.8	198.2	211.7	198.1	184.4	198.1	211.7	198.2
80°	107.3	114.1	123.2	136.2	153.3	162.6	149.0	135.4	149.0	162.6	153.3
82.5°	80.7	84.1	88.7	97.2	109.7	116.3	105.4	94.5	105.4	116.3	109.7
85°	32.9	38.3	45.1	50.8	55.3	57.3	51.7	46.0	51.7	57.3	55.3
87.5°	13.7	14.0	14.9	17.3	20.7	22.0	17.5	13.3	17.5	21.7	21.4
90°	37.7	35.9	35.9	34.1	28.7	21.5	12.6	5.4	12.6	19.7	32.3
92.5°	44.8	44.5	41.6	38.4	31.6	31.6	31.2	19.7	34.1	48.4	69.6
95°	41.3	41.3	48.4	61.0	89.7	91.5	61.0	55.6	78.9	111.2	139.9
97.5°	111.6	132.7	162.9	168.6	159.6	119.1	114.1	106.2	144.6	176.5	222.8
100°	206.3	233.2	254.7	211.7	166.8	165.0	154.3	150.7	191.9	222.4	267.3
102.5°	322.5	330.8	256.2	231.8	221.4	213.8	197.3	195.2	236.4	278.4	316.1
105°	349.8	313.9	315.7	315.7	308.5	294.2	263.7	261.9	308.5	357.0	403.6
107.5°	411.5	416.9	426.2	424.0	415.8	377.4	341.5	333.3	375.3	433.4	484.7
110°	493.3	498.7	502.3	498.7	486.1	437.7	394.6	382.1	419.7	480.7	536.3



TEST NUMBER: P1428466

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	572.2	576.2	584.1	573.3	552.1	496.5	447.7	429.4	467.1	529.5	586.6
115°	697.8	697.8	699.6	694.2	651.1	593.7	529.2	502.3	534.5	591.9	654.7
117.5°	821.2	823.3	816.2	801.8	752.0	685.2	612.8	569.7	595.2	655.8	720.4
120°	898.7	902.3	895.1	873.6	825.1	749.8	667.3	617.1	636.8	696.0	760.6
122.5°	979.0	978.3	969.7	945.3	888.3	810.1	729.0	667.3	675.5	730.4	793.6
125°	1090.6	1088.8	1081.6	1052.9	993.8	913.0	818.0	742.6	731.9	778.5	843.1
127.5°	1196.8	1192.9	1181.7	1146.9	1086.3	1008.5	904.1	818.7	794.6	824.1	883.3
130°	1270.0	1264.6	1244.9	1207.2	1148.0	1074.5	968.6	871.8	837.7	855.6	907.7
132.5°	1340.3	1324.9	1308.0	1267.5	1212.6	1136.2	1028.9	927.7	880.7	888.6	929.2
135°	1429.6	1415.3	1393.8	1354.3	1302.3	1226.9	1119.3	1009.9	945.3	938.1	961.5
137.5°	1508.2	1493.1	1468.7	1434.7	1382.3	1315.2	1211.9	1096.4	1014.9	990.9	999.9
140°	1557.0	1539.1	1517.5	1483.5	1436.8	1366.9	1266.4	1155.2	1063.7	1029.6	1024.2
142.5°	1597.2	1583.5	1560.6	1529.4	1488.5	1418.5	1320.9	1211.2	1113.9	1069.8	1057.3
145°	1657.5	1646.7	1621.6	1592.9	1558.8	1488.8	1399.1	1289.7	1192.9	1135.5	1108.6
147.5°	1708.4	1699.8	1680.1	1646.3	1617.6	1550.5	1468.7	1371.9	1272.5	1201.5	1166.7
150°	1740.0	1732.8	1713.1	1680.8	1652.1	1589.3	1510.4	1420.7	1325.6	1250.3	1205.4
152.5°	1770.1	1762.9	1740.3	1708.0	1683.6	1625.2	1553.4	1468.0	1371.5	1296.2	1249.9
155°	1809.9	1801.0	1779.4	1748.9	1727.4	1673.6	1607.2	1531.9	1449.4	1370.4	1318.4
157.5°	1841.5	1830.4	1810.3	1784.1	1761.1	1711.6	1653.9	1588.9	1516.8	1441.5	1388.4
160°	1860.1	1847.6	1826.1	1802.7	1781.2	1734.6	1682.6	1623.4	1557.0	1488.8	1431.4
162.5°	1873.1	1861.9	1836.1	1815.7	1797.0	1754.7	1705.5	1652.1	1592.9	1533.3	1480.2
165°	1887.1	1874.5	1847.6	1831.4	1815.3	1779.4	1736.4	1693.3	1643.1	1594.7	1551.6
167.5°	1888.1	1877.7	1850.8	1835.0	1823.2	1792.3	1757.5	1724.5	1685.4	1647.4	1611.5
170°	1885.3	1876.3	1849.4	1835.0	1826.1	1801.0	1770.5	1741.8	1711.3	1679.0	1650.3
172.5°	1875.2	1866.2	1840.8	1829.3	1824.6	1802.4	1777.6	1756.1	1729.9	1706.2	1683.3
175°	1849.4	1842.2	1820.7	1813.5	1815.3	1801.0	1783.0	1770.5	1754.3	1740.0	1727.4
177.5°	1811.7	1807.4	1791.6	1791.6	1797.4	1788.8	1783.0	1777.3	1770.1	1765.8	1761.5
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428466

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2681.2	2676.6	2677.5	2678.9	2681.6	2684.3	2681.6	2678.9	2677.5	2676.6	2681.2
5°	2679.7	2675.2	2676.3	2679.7	2690.0	2700.2	2690.0	2679.7	2676.3	2675.2	2679.7
7.5°	2671.3	2669.4	2673.3	2678.7	2688.7	2698.7	2688.7	2678.7	2673.3	2669.4	2671.3
10°	2662.7	2662.1	2667.8	2674.4	2683.4	2692.5	2683.4	2674.4	2667.8	2662.1	2662.7
12.5°	2651.6	2652.4	2659.0	2666.2	2675.3	2684.3	2675.3	2666.2	2659.0	2652.4	2651.6
15°	2626.7	2630.1	2638.0	2645.4	2651.1	2656.8	2651.1	2645.4	2638.0	2630.1	2626.7
17.5°	2585.5	2585.7	2587.8	2590.0	2592.7	2595.4	2592.7	2590.0	2587.8	2585.7	2585.5
20°	2553.7	2548.0	2540.1	2534.1	2534.1	2534.1	2534.1	2534.1	2540.1	2548.0	2553.7
22.5°	2509.0	2494.2	2472.7	2454.7	2447.4	2440.1	2447.4	2454.7	2472.7	2494.2	2509.0
25°	2420.3	2386.8	2342.5	2305.1	2288.0	2271.0	2288.0	2305.1	2342.5	2386.8	2420.3
27.5°	2299.6	2245.7	2182.8	2129.7	2106.1	2082.5	2106.1	2129.7	2182.8	2245.7	2299.6
30°	2201.8	2134.2	2064.9	2007.3	1984.6	1961.9	1984.6	2007.3	2064.9	2134.2	2201.8
32.5°	2099.6	2022.5	1950.5	1890.4	1865.9	1841.3	1865.9	1890.4	1950.5	2022.5	2099.6
35°	1939.5	1851.5	1778.8	1718.9	1697.4	1675.8	1697.4	1718.9	1778.8	1851.5	1939.5
37.5°	1778.9	1685.8	1609.7	1546.7	1522.9	1499.0	1522.9	1546.7	1609.7	1685.8	1778.9
40°	1666.7	1571.3	1495.3	1432.3	1408.4	1384.6	1408.4	1432.3	1495.3	1571.3	1666.7
42.5°	1558.4	1463.0	1387.0	1323.7	1299.0	1274.2	1299.0	1323.7	1387.0	1463.0	1558.4
45°	1394.5	1299.1	1225.3	1164.0	1140.2	1116.3	1140.2	1164.0	1225.3	1299.1	1394.5
47.5°	1240.1	1146.0	1074.5	1015.7	995.3	974.8	995.3	1015.7	1074.5	1146.0	1240.1
50°	1141.3	1049.9	978.4	918.5	893.5	868.6	893.5	918.5	978.4	1049.9	1141.3
52.5°	1046.0	955.0	881.7	818.1	784.1	750.0	784.1	818.1	881.7	955.0	1046.0
55°	906.9	814.9	733.2	667.0	647.7	628.4	647.7	667.0	733.2	814.9	906.9
57.5°	778.9	695.5	621.3	561.6	545.7	529.8	545.7	561.6	621.3	695.5	778.9
60°	693.7	617.6	555.2	504.4	488.5	472.6	488.5	504.4	555.2	617.6	693.7
62.5°	610.6	542.3	492.5	451.9	438.8	425.6	438.8	451.9	492.5	542.3	610.6
65°	508.9	452.2	411.3	377.8	366.4	355.1	366.4	377.8	411.3	452.2	508.9
67.5°	420.9	375.0	339.1	310.3	302.8	295.3	302.8	310.3	339.1	375.0	420.9
70°	364.2	325.0	295.5	271.9	266.2	260.6	266.2	271.9	295.5	325.0	364.2
72.5°	309.9	277.1	253.9	235.6	231.7	227.9	231.7	235.6	253.9	277.1	309.9
75°	237.6	214.3	198.4	185.9	183.6	181.4	183.6	185.9	198.4	214.3	237.6
77.5°	175.8	158.6	146.8	137.5	135.7	133.9	135.7	137.5	146.8	158.6	175.8
80°	136.2	123.2	114.1	107.3	107.3	107.3	107.3	107.3	114.1	123.2	136.2
82.5°	97.2	88.7	84.1	80.7	80.7	80.7	80.7	80.7	84.1	88.7	97.2
85°	50.8	45.1	38.3	32.9	31.8	30.7	31.8	32.9	38.3	45.1	50.8
87.5°	18.7	18.5	20.1	20.8	22.3	21.6	22.3	20.8	20.1	18.5	18.7
90°	41.3	53.8	66.4	73.5	80.7	77.1	80.7	73.5	66.4	53.8	41.3
92.5°	82.9	104.0	119.5	132.4	138.1	137.4	138.1	132.4	119.5	104.0	82.9
95°	166.8	191.9	217.0	235.0	245.7	242.2	245.7	235.0	217.0	191.9	166.8
97.5°	257.2	291.0	318.9	335.8	346.6	353.7	346.6	335.8	318.9	291.0	257.2
100°	317.5	349.8	382.1	401.8	419.7	426.9	419.7	401.8	382.1	349.8	317.5
102.5°	366.3	408.6	443.8	464.9	480.0	487.2	480.0	464.9	443.8	408.6	366.3
105°	446.7	491.5	529.2	556.1	572.2	577.6	572.2	556.1	529.2	491.5	446.7
107.5°	527.0	573.3	608.1	637.9	657.6	669.1	657.6	637.9	608.1	573.3	527.0
110°	590.2	627.8	665.5	692.4	712.1	719.3	712.1	692.4	665.5	627.8	590.2



TEST NUMBER: P1428466

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	643.2	685.2	722.9	749.8	772.4	782.4	772.4	749.8	722.9	685.2	643.2
115°	717.5	773.1	807.2	832.3	848.5	857.4	848.5	832.3	807.2	773.1	717.5
117.5°	779.2	837.3	874.6	894.0	901.6	908.0	901.6	894.0	874.6	837.3	779.2
120°	818.0	871.8	914.8	939.9	948.9	952.5	948.9	939.9	914.8	871.8	818.0
122.5°	853.8	904.8	946.4	977.3	992.0	995.5	992.0	977.3	946.4	904.8	853.8
125°	904.1	952.5	995.5	1026.0	1042.2	1051.2	1042.2	1026.0	995.5	952.5	904.1
127.5°	947.8	1000.2	1039.7	1067.3	1083.1	1090.3	1083.1	1067.3	1039.7	1000.2	947.8
130°	972.2	1026.0	1065.5	1096.0	1110.3	1117.5	1110.3	1096.0	1065.5	1026.0	972.2
132.5°	990.9	1047.6	1088.5	1116.1	1131.9	1139.0	1131.9	1116.1	1088.5	1047.6	990.9
135°	1013.5	1072.7	1115.7	1142.6	1157.0	1164.2	1157.0	1142.6	1115.7	1072.7	1013.5
137.5°	1033.2	1087.0	1131.9	1160.2	1173.1	1177.8	1173.1	1160.2	1131.9	1087.0	1033.2
140°	1047.6	1094.2	1139.0	1166.0	1180.3	1182.1	1180.3	1166.0	1139.0	1094.2	1047.6
142.5°	1066.2	1102.8	1141.9	1168.8	1183.2	1186.4	1183.2	1168.8	1141.9	1102.8	1066.2
145°	1099.6	1121.1	1148.0	1173.1	1185.7	1189.3	1185.7	1173.1	1148.0	1121.1	1099.6
147.5°	1141.6	1148.4	1162.4	1178.9	1191.1	1193.6	1191.1	1178.9	1162.4	1148.4	1141.6
150°	1173.1	1171.3	1176.7	1187.5	1198.2	1196.5	1198.2	1187.5	1176.7	1171.3	1173.1
152.5°	1209.0	1198.6	1198.2	1203.3	1208.3	1207.9	1208.3	1203.3	1198.2	1198.6	1209.0
155°	1270.0	1250.3	1239.5	1235.9	1235.9	1234.1	1235.9	1235.9	1239.5	1250.3	1270.0
157.5°	1337.1	1309.5	1293.3	1284.7	1282.2	1278.2	1282.2	1284.7	1293.3	1309.5	1337.1
160°	1383.0	1352.5	1336.4	1322.0	1316.6	1311.3	1316.6	1322.0	1336.4	1352.5	1383.0
162.5°	1426.1	1397.0	1379.4	1366.5	1361.1	1352.9	1361.1	1366.5	1379.4	1397.0	1426.1
165°	1496.0	1465.5	1445.8	1435.0	1427.8	1420.7	1427.8	1435.0	1445.8	1465.5	1496.0
167.5°	1566.0	1532.6	1519.7	1507.5	1500.7	1487.8	1500.7	1507.5	1519.7	1532.6	1566.0
170°	1609.0	1578.5	1571.4	1560.6	1548.0	1533.7	1548.0	1560.6	1571.4	1578.5	1609.0
172.5°	1646.3	1625.9	1618.7	1607.9	1604.0	1592.5	1604.0	1607.9	1618.7	1625.9	1646.3
175°	1700.5	1684.4	1684.4	1682.6	1677.2	1666.4	1677.2	1682.6	1684.4	1684.4	1700.5
177.5°	1745.7	1737.1	1742.8	1742.8	1741.4	1731.4	1741.4	1742.8	1742.8	1737.1	1745.7
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428466

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2682.3	2682.3	2682.3	2682.3
2.5°	2691.2	2694.8	2679.4	2663.9
5°	2690.0	2692.8	2673.5	2654.2
7.5°	2679.1	2680.0	2660.4	2640.9
10°	2669.5	2669.5	2649.1	2628.7
12.5°	2656.6	2655.0	2633.7	2612.3
15°	2627.8	2623.0	2600.3	2577.6
17.5°	2587.1	2582.6	2559.9	2537.2
20°	2557.1	2554.0	2531.3	2508.6
22.5°	2516.9	2516.8	2492.2	2467.7
25°	2443.0	2454.1	2430.3	2406.4
27.5°	2344.6	2373.5	2354.2	2334.9
30°	2267.6	2313.3	2298.5	2283.8
32.5°	2181.8	2242.0	2236.3	2230.7
35°	2042.8	2122.9	2133.1	2143.3
37.5°	1889.0	1979.2	2009.7	2040.1
40°	1781.4	1878.2	1921.3	1964.5
42.5°	1673.1	1772.6	1826.6	1880.7
45°	1511.5	1615.1	1678.6	1742.2
47.5°	1356.8	1460.1	1523.3	1586.4
50°	1252.6	1351.4	1412.7	1474.0
52.5°	1154.5	1249.6	1304.6	1359.5
55°	1009.1	1098.8	1151.0	1203.2
57.5°	871.3	951.9	997.1	1042.3
60°	783.4	860.6	900.3	940.1
62.5°	697.6	771.6	806.8	842.0
65°	581.6	642.6	668.7	694.8
67.5°	477.0	522.7	537.3	551.8
70°	413.0	450.7	455.3	459.8
72.5°	352.4	383.8	381.9	380.1
75°	268.2	289.0	279.9	270.8
77.5°	198.2	211.7	198.1	184.4
80°	153.3	162.6	149.0	135.4
82.5°	109.7	116.3	105.4	94.5
85°	55.3	57.3	51.7	46.0
87.5°	21.4	21.7	17.5	13.3
90°	32.3	19.7	12.6	5.4
92.5°	69.6	48.4	34.1	19.7
95°	139.9	111.2	78.9	55.6
97.5°	222.8	176.5	144.6	106.2
100°	267.3	222.4	191.9	150.7
102.5°	316.1	278.4	236.4	195.2
105°	403.6	357.0	308.5	261.9
107.5°	484.7	433.4	375.3	333.3
110°	536.3	480.7	419.7	382.1



TEST NUMBER: P1428466

CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	586.6	529.5	467.1	429.4
115°	654.7	591.9	534.5	502.3
117.5°	720.4	655.8	595.2	569.7
120°	760.6	696.0	636.8	617.1
122.5°	793.6	730.4	675.5	667.3
125°	843.1	778.5	731.9	742.6
127.5°	883.3	824.1	794.6	818.7
130°	907.7	855.6	837.7	871.8
132.5°	929.2	888.6	880.7	927.7
135°	961.5	938.1	945.3	1009.9
137.5°	999.9	990.9	1014.9	1096.4
140°	1024.2	1029.6	1063.7	1155.2
142.5°	1057.3	1069.8	1113.9	1211.2
145°	1108.6	1135.5	1192.9	1289.7
147.5°	1166.7	1201.5	1272.5	1371.9
150°	1205.4	1250.3	1325.6	1420.7
152.5°	1249.9	1296.2	1371.5	1468.0
155°	1318.4	1370.4	1449.4	1531.9
157.5°	1388.4	1441.5	1516.8	1588.9
160°	1431.4	1488.8	1557.0	1623.4
162.5°	1480.2	1533.3	1592.9	1652.1
165°	1551.6	1594.7	1643.1	1693.3
167.5°	1611.5	1647.4	1685.4	1724.5
170°	1650.3	1679.0	1711.3	1741.8
172.5°	1683.3	1706.2	1729.9	1756.1
175°	1727.4	1740.0	1754.3	1770.5
177.5°	1761.5	1765.8	1770.1	1777.3
180°	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428466  
 CATALOG NUMBER: SQ2W-PW1-K-125U-125D-L940-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	20.33	21.18	21.26	22.13	23.35	16.57	17.43	17.51	18.37	19.60
	3H	21.63	22.39	22.57	23.34	24.59	17.84	18.61	18.79	19.56	20.81
	4H	22.04	22.75	23.00	23.72	24.97	18.35	19.07	19.31	20.03	21.29
	6H	22.22	22.88	23.19	23.84	25.11	18.66	19.32	19.63	20.28	21.55
	8H	22.26	22.89	23.24	23.87	25.14	18.77	19.40	19.75	20.38	21.65
	12H	22.26	22.86	23.24	23.83	25.12	18.80	19.40	19.78	20.38	21.67
4H	2H	20.46	21.18	21.42	22.14	23.39	17.38	18.10	18.35	19.06	20.32
	3H	22.00	22.59	22.97	23.58	24.85	18.83	19.43	19.81	20.42	21.69
	4H	22.54	23.09	23.53	24.07	25.36	19.41	19.95	20.39	20.94	22.23
	6H	22.85	23.32	23.85	24.33	25.62	19.79	20.26	20.79	21.27	22.56
	8H	22.94	23.38	23.94	24.38	25.69	19.94	20.38	20.94	21.38	22.69
	12H	22.96	23.36	23.98	24.37	25.69	19.98	20.38	21.00	21.39	22.71
8H	4H	22.58	23.02	23.58	24.02	25.32	19.75	20.19	20.75	21.19	22.49
	6H	23.00	23.36	24.02	24.40	25.71	20.24	20.60	21.27	21.65	22.95
	8H	23.17	23.49	24.20	24.52	25.84	20.46	20.78	21.49	21.81	23.13
	12H	23.25	23.53	24.28	24.55	25.92	20.54	20.82	21.58	21.85	23.22
12H	4H	22.54	22.93	23.55	23.95	25.26	19.77	20.16	20.78	21.18	22.49
	6H	22.99	23.31	24.03	24.34	25.67	20.32	20.64	21.35	21.66	22.99
	8H	23.18	23.46	24.22	24.49	25.86	20.56	20.84	21.59	21.86	23.23