

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: P1428103

Luminaire Tested: SQ2W-PP3-K-100U-125D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428103  
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-125D-L840-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

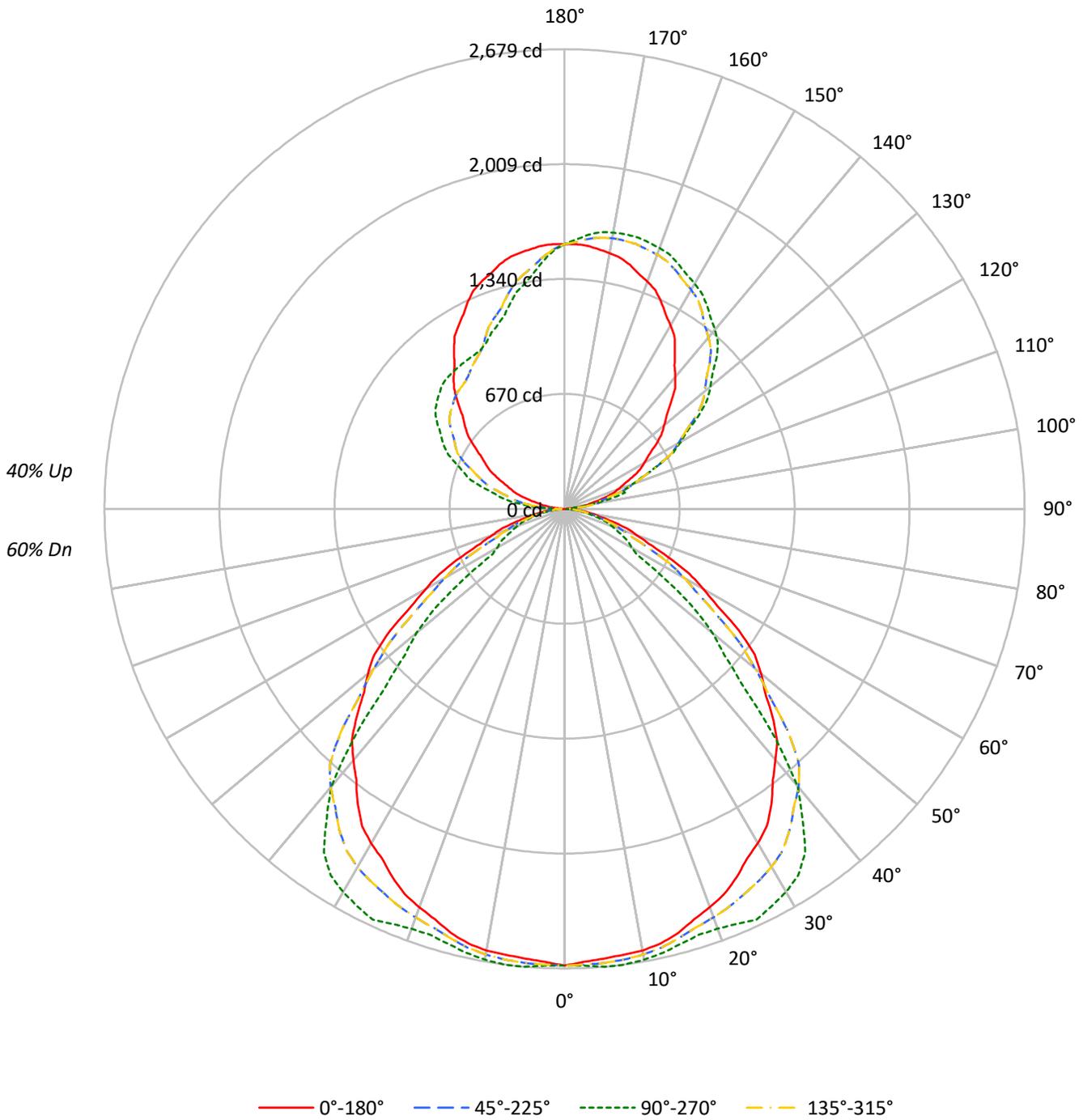
Lumens per Lamp: N/A  
Luminaire Lumens: 11217.7 lumens  
Efficiency: N/A  
Efficacy: 136.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
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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CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L840-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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60				
1	101	97	93	89	94	90	87	84	79	77	74	68	67	65	59	57	56	52				
2	92	85	79	74	86	80	75	70	70	66	63	61	58	55	52	50	48	44				
3	84	75	68	62	79	71	64	59	62	57	53	54	50	47	47	44	42	38				
4	77	67	59	53	72	63	56	51	55	50	46	49	44	41	42	39	36	33				
5	71	60	52	46	66	56	49	44	50	44	40	44	39	36	38	35	32	29				
6	66	54	46	40	61	51	44	38	45	39	35	40	35	32	35	31	28	26				
7	61	49	41	35	57	46	39	34	41	35	31	36	32	28	32	28	25	23				
8	57	44	37	31	53	42	35	30	37	32	28	33	28	25	29	25	23	20				
9	53	41	33	28	49	38	32	27	34	29	25	31	26	23	27	23	20	18				
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	21	19	17				

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

	0°	90°	180°	270°
0°	42988	42988	42988	42988
5°	42651	43426	42651	43426
10°	42867	43744	42867	43744
15°	42764	43845	42764	43845
20°	42458	44731	42458	44731
25°	42217	47081	42217	47081
30°	41977	48064	41977	48064
35°	41383	48152	41383	48152
40°	40279	44490	40279	44490
45°	39072	33866	39072	33866
50°	37539	28208	37539	28208
55°	34938	20281	34938	20281
60°	30082	14541	30082	14541
65°	25375	14300	25375	14300
70°	21125	13685	21125	13685
75°	17910	12819	17910	12819
80°	15174	11511	15174	11511
85°	11986	6261	11986	6261

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 42744 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	253.5	2.3
10°-20°	733.7	6.5
20°-30°	1149.5	10.2
30°-40°	1418.0	12.6
40°-50°	1335.0	11.9
50°-60°	945.3	8.4
60°-70°	538.6	4.8
70°-80°	266.6	2.4
80°-90°	71.5	0.6
90°-100°	122.8	1.1
100°-110°	358.2	3.2
110°-120°	584.5	5.2
120°-130°	741.7	6.6
130°-140°	793.6	7.1
140°-150°	741.1	6.6
150°-160°	609.8	5.4
160°-170°	409.0	3.6
170°-180°	145.2	1.3
0°-30°	2136.8	19.0
0°-40°	3554.8	31.7
0°-60°	5835.1	52.0
0°-90°	6711.9	59.8
90°-120°	1065.5	9.5
90°-150°	3341.8	29.8
90°-180°	4506.0	40.2
0°-180°	11217.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2662	2662	2662	2662	2662	
5°	2632	2679	2632	2679	2632	251
15°	2558	2623	2558	2623	2558	721
25°	2370	2643	2370	2643	2370	1092
35°	2100	2443	2100	2443	2100	1309
45°	1711	1483	1711	1483	1711	1317
55°	1241	720	1241	720	1241	1095
65°	664	374	664	374	664	667
75°	287	206	287	206	287	311
85°	65	34	65	34	65	76
90°	5	34	5	67	5	7
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2642.3	2659.3	2676.3	2672.3	2661.3	2656.8	2658.8	2660.8	2662.8	2664.8	2662.8
5°	2631.6	2652.8	2674.1	2671.0	2659.7	2655.3	2657.8	2661.9	2670.7	2679.4	2670.7
7.5°	2621.4	2643.2	2665.0	2662.1	2651.1	2647.8	2652.0	2657.9	2668.7	2679.4	2668.7
10°	2614.7	2633.4	2652.2	2649.4	2639.4	2637.5	2643.8	2650.6	2659.4	2668.2	2659.4
12.5°	2594.4	2612.2	2629.9	2627.6	2618.6	2618.2	2626.5	2634.6	2642.4	2650.1	2642.4
15°	2558.4	2574.6	2590.9	2591.2	2586.2	2589.3	2600.6	2610.6	2616.9	2623.1	2616.9
17.5°	2509.4	2529.2	2548.9	2553.5	2553.0	2560.8	2576.8	2590.4	2596.9	2603.4	2596.9
20°	2471.1	2494.9	2518.7	2526.5	2529.0	2540.2	2560.3	2578.4	2590.9	2603.4	2590.9
22.5°	2430.6	2458.4	2486.1	2496.5	2501.0	2518.2	2548.3	2576.2	2597.7	2619.2	2597.7
25°	2369.8	2397.3	2424.9	2444.9	2462.4	2493.0	2536.8	2577.8	2610.3	2642.8	2610.3
27.5°	2298.9	2326.2	2353.4	2387.8	2424.6	2467.6	2516.9	2560.3	2586.1	2611.9	2586.1
30°	2251.6	2277.9	2304.1	2343.5	2387.3	2434.9	2486.1	2530.6	2554.3	2578.1	2554.3
32.5°	2193.1	2220.3	2247.6	2289.5	2336.3	2387.3	2442.6	2489.5	2511.3	2533.1	2511.3
35°	2099.6	2125.9	2152.2	2200.9	2257.2	2314.2	2371.7	2418.0	2430.5	2443.0	2430.5
37.5°	1992.1	2021.9	2051.7	2106.4	2169.4	2217.1	2249.4	2273.7	2274.5	2275.2	2274.5
40°	1911.1	1949.8	1988.6	2043.3	2103.4	2136.5	2142.8	2143.4	2127.1	2110.9	2127.1
42.5°	1832.2	1882.0	1931.8	1975.8	2017.8	2026.4	2001.7	1965.0	1892.7	1820.4	1892.7
45°	1711.2	1770.0	1828.8	1855.7	1872.0	1816.9	1690.6	1583.3	1533.3	1483.2	1533.3
47.5°	1582.3	1640.4	1698.4	1691.0	1661.7	1578.4	1441.0	1329.4	1294.9	1260.3	1294.9
50°	1494.5	1549.5	1604.6	1564.9	1493.6	1399.7	1283.4	1188.0	1155.5	1123.0	1155.5
52.5°	1395.4	1444.5	1493.5	1433.5	1337.2	1238.4	1137.1	1048.7	999.2	949.6	999.2
55°	1241.2	1275.0	1308.7	1243.1	1144.3	1035.4	916.6	815.6	768.0	720.5	768.0
57.5°	1055.4	1079.2	1103.0	1051.3	974.5	866.3	726.7	608.7	555.4	502.1	555.4
60°	931.6	950.4	969.1	922.2	853.4	750.2	612.6	502.9	476.6	450.3	476.6
62.5°	819.0	835.8	852.5	803.6	732.8	640.6	527.1	439.6	430.3	421.1	430.3
65°	664.2	680.5	696.7	645.5	571.7	499.7	429.7	376.8	375.6	374.3	375.6
67.5°	528.6	546.3	564.1	515.8	445.5	392.3	356.3	328.9	327.4	325.9	327.4
70°	447.5	466.3	485.0	440.0	373.7	330.5	310.5	294.9	292.4	289.9	292.4
72.5°	380.0	397.7	415.5	376.2	317.9	282.3	269.3	259.1	257.6	256.1	257.6
75°	287.1	300.8	314.6	286.1	243.6	219.2	213.0	208.0	206.7	205.5	206.7
77.5°	208.3	217.0	225.8	207.1	179.4	163.9	160.6	157.9	156.6	155.4	156.6
80°	163.2	167.0	170.7	157.6	138.8	128.8	127.6	126.3	125.1	123.8	125.1
82.5°	122.7	121.5	120.2	112.6	102.8	97.3	96.1	94.6	92.3	90.1	92.3
85°	64.7	62.2	59.7	57.2	54.7	51.0	46.0	41.3	37.5	33.8	37.5
87.5°	21.2	22.4	24.0	21.5	17.4	14.7	13.7	13.3	13.6	13.6	13.6
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



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**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



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2660.8	2658.8	2656.8	2661.3	2672.3	2676.3	2659.3	2642.3	2659.3	2676.3	2672.3
5°	2661.9	2657.8	2655.3	2659.7	2671.0	2674.1	2652.8	2631.6	2652.8	2674.1	2671.0
7.5°	2657.9	2652.0	2647.8	2651.1	2662.1	2665.0	2643.2	2621.4	2643.2	2665.0	2662.1
10°	2650.6	2643.8	2637.5	2639.4	2649.4	2652.2	2633.4	2614.7	2633.4	2652.2	2649.4
12.5°	2634.6	2626.5	2618.2	2618.6	2627.6	2629.9	2612.2	2594.4	2612.2	2629.9	2627.6
15°	2610.6	2600.6	2589.3	2586.2	2591.2	2590.9	2574.6	2558.4	2574.6	2590.9	2591.2
17.5°	2590.4	2576.8	2560.8	2553.0	2553.5	2548.9	2529.2	2509.4	2529.2	2548.9	2553.5
20°	2578.4	2560.3	2540.2	2529.0	2526.5	2518.7	2494.9	2471.1	2494.9	2518.7	2526.5
22.5°	2576.2	2548.3	2518.2	2501.0	2496.5	2486.1	2458.4	2430.6	2458.4	2486.1	2496.5
25°	2577.8	2536.8	2493.0	2462.4	2444.9	2424.9	2397.3	2369.8	2397.3	2424.9	2444.9
27.5°	2560.3	2516.9	2467.6	2424.6	2387.8	2353.4	2326.2	2298.9	2326.2	2353.4	2387.8
30°	2530.6	2486.1	2434.9	2387.3	2343.5	2304.1	2277.9	2251.6	2277.9	2304.1	2343.5
32.5°	2489.5	2442.6	2387.3	2336.3	2289.5	2247.6	2220.3	2193.1	2220.3	2247.6	2289.5
35°	2418.0	2371.7	2314.2	2257.2	2200.9	2152.2	2125.9	2099.6	2125.9	2152.2	2200.9
37.5°	2273.7	2249.4	2217.1	2169.4	2106.4	2051.7	2021.9	1992.1	2021.9	2051.7	2106.4
40°	2143.4	2142.8	2136.5	2103.4	2043.3	1988.6	1949.8	1911.1	1949.8	1988.6	2043.3
42.5°	1965.0	2001.7	2026.4	2017.8	1975.8	1931.8	1882.0	1832.2	1882.0	1931.8	1975.8
45°	1583.3	1690.6	1816.9	1872.0	1855.7	1828.8	1770.0	1711.2	1770.0	1828.8	1855.7
47.5°	1329.4	1441.0	1578.4	1661.7	1691.0	1698.4	1640.4	1582.3	1640.4	1698.4	1691.0
50°	1188.0	1283.4	1399.7	1493.6	1564.9	1604.6	1549.5	1494.5	1549.5	1604.6	1564.9
52.5°	1048.7	1137.1	1238.4	1337.2	1433.5	1493.5	1444.5	1395.4	1444.5	1493.5	1433.5
55°	815.6	916.6	1035.4	1144.3	1243.1	1308.7	1275.0	1241.2	1275.0	1308.7	1243.1
57.5°	608.7	726.7	866.3	974.5	1051.3	1103.0	1079.2	1055.4	1079.2	1103.0	1051.3
60°	502.9	612.6	750.2	853.4	922.2	969.1	950.4	931.6	950.4	969.1	922.2
62.5°	439.6	527.1	640.6	732.8	803.6	852.5	835.8	819.0	835.8	852.5	803.6
65°	376.8	429.7	499.7	571.7	645.5	696.7	680.5	664.2	680.5	696.7	645.5
67.5°	328.9	356.3	392.3	445.5	515.8	564.1	546.3	528.6	546.3	564.1	515.8
70°	294.9	310.5	330.5	373.7	440.0	485.0	466.3	447.5	466.3	485.0	440.0
72.5°	259.1	269.3	282.3	317.9	376.2	415.5	397.7	380.0	397.7	415.5	376.2
75°	208.0	213.0	219.2	243.6	286.1	314.6	300.8	287.1	300.8	314.6	286.1
77.5°	157.9	160.6	163.9	179.4	207.1	225.8	217.0	208.3	217.0	225.8	207.1
80°	126.3	127.6	128.8	138.8	157.6	170.7	167.0	163.2	167.0	170.7	157.6
82.5°	94.6	96.1	97.3	102.8	112.6	120.2	121.5	122.7	121.5	120.2	112.6
85°	41.3	46.0	51.0	54.7	57.2	59.7	62.2	64.7	62.2	59.7	57.2
87.5°	13.3	13.7	14.7	17.4	21.5	24.0	22.4	21.2	22.4	23.7	22.1
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: P1428103

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-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: P1428103

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2661.3	2656.8	2658.8	2660.8	2662.8	2664.8	2662.8	2660.8	2658.8	2656.8	2661.3
5°	2659.7	2655.3	2657.8	2661.9	2670.7	2679.4	2670.7	2661.9	2657.8	2655.3	2659.7
7.5°	2651.1	2647.8	2652.0	2657.9	2668.7	2679.4	2668.7	2657.9	2652.0	2647.8	2651.1
10°	2639.4	2637.5	2643.8	2650.6	2659.4	2668.2	2659.4	2650.6	2643.8	2637.5	2639.4
12.5°	2618.6	2618.2	2626.5	2634.6	2642.4	2650.1	2642.4	2634.6	2626.5	2618.2	2618.6
15°	2586.2	2589.3	2600.6	2610.6	2616.9	2623.1	2616.9	2610.6	2600.6	2589.3	2586.2
17.5°	2553.0	2560.8	2576.8	2590.4	2596.9	2603.4	2596.9	2590.4	2576.8	2560.8	2553.0
20°	2529.0	2540.2	2560.3	2578.4	2590.9	2603.4	2590.9	2578.4	2560.3	2540.2	2529.0
22.5°	2501.0	2518.2	2548.3	2576.2	2597.7	2619.2	2597.7	2576.2	2548.3	2518.2	2501.0
25°	2462.4	2493.0	2536.8	2577.8	2610.3	2642.8	2610.3	2577.8	2536.8	2493.0	2462.4
27.5°	2424.6	2467.6	2516.9	2560.3	2586.1	2611.9	2586.1	2560.3	2516.9	2467.6	2424.6
30°	2387.3	2434.9	2486.1	2530.6	2554.3	2578.1	2554.3	2530.6	2486.1	2434.9	2387.3
32.5°	2336.3	2387.3	2442.6	2489.5	2511.3	2533.1	2511.3	2489.5	2442.6	2387.3	2336.3
35°	2257.2	2314.2	2371.7	2418.0	2430.5	2443.0	2430.5	2418.0	2371.7	2314.2	2257.2
37.5°	2169.4	2217.1	2249.4	2273.7	2274.5	2275.2	2274.5	2273.7	2249.4	2217.1	2169.4
40°	2103.4	2136.5	2142.8	2143.4	2127.1	2110.9	2127.1	2143.4	2142.8	2136.5	2103.4
42.5°	2017.8	2026.4	2001.7	1965.0	1892.7	1820.4	1892.7	1965.0	2001.7	2026.4	2017.8
45°	1872.0	1816.9	1690.6	1583.3	1533.3	1483.2	1533.3	1583.3	1690.6	1816.9	1872.0
47.5°	1661.7	1578.4	1441.0	1329.4	1294.9	1260.3	1294.9	1329.4	1441.0	1578.4	1661.7
50°	1493.6	1399.7	1283.4	1188.0	1155.5	1123.0	1155.5	1188.0	1283.4	1399.7	1493.6
52.5°	1337.2	1238.4	1137.1	1048.7	999.2	949.6	999.2	1048.7	1137.1	1238.4	1337.2
55°	1144.3	1035.4	916.6	815.6	768.0	720.5	768.0	815.6	916.6	1035.4	1144.3
57.5°	974.5	866.3	726.7	608.7	555.4	502.1	555.4	608.7	726.7	866.3	974.5
60°	853.4	750.2	612.6	502.9	476.6	450.3	476.6	502.9	612.6	750.2	853.4
62.5°	732.8	640.6	527.1	439.6	430.3	421.1	430.3	439.6	527.1	640.6	732.8
65°	571.7	499.7	429.7	376.8	375.6	374.3	375.6	376.8	429.7	499.7	571.7
67.5°	445.5	392.3	356.3	328.9	327.4	325.9	327.4	328.9	356.3	392.3	445.5
70°	373.7	330.5	310.5	294.9	292.4	289.9	292.4	294.9	310.5	330.5	373.7
72.5°	317.9	282.3	269.3	259.1	257.6	256.1	257.6	259.1	269.3	282.3	317.9
75°	243.6	219.2	213.0	208.0	206.7	205.5	206.7	208.0	213.0	219.2	243.6
77.5°	179.4	163.9	160.6	157.9	156.6	155.4	156.6	157.9	160.6	163.9	179.4
80°	138.8	128.8	127.6	126.3	125.1	123.8	125.1	126.3	127.6	128.8	138.8
82.5°	102.8	97.3	96.1	94.6	92.3	90.1	92.3	94.6	96.1	97.3	102.8
85°	54.7	51.0	46.0	41.3	37.5	33.8	37.5	41.3	46.0	51.0	54.7
87.5°	18.7	17.9	19.0	19.5	20.8	20.2	20.8	19.5	19.0	17.9	18.7
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: P1428103

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-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: P1428103

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2662.5	2662.5	2662.5	2662.5
2.5°	2672.3	2676.3	2659.3	2642.3
5°	2671.0	2674.1	2652.8	2631.6
7.5°	2662.1	2665.0	2643.2	2621.4
10°	2649.4	2652.2	2633.4	2614.7
12.5°	2627.6	2629.9	2612.2	2594.4
15°	2591.2	2590.9	2574.6	2558.4
17.5°	2553.5	2548.9	2529.2	2509.4
20°	2526.5	2518.7	2494.9	2471.1
22.5°	2496.5	2486.1	2458.4	2430.6
25°	2444.9	2424.9	2397.3	2369.8
27.5°	2387.8	2353.4	2326.2	2298.9
30°	2343.5	2304.1	2277.9	2251.6
32.5°	2289.5	2247.6	2220.3	2193.1
35°	2200.9	2152.2	2125.9	2099.6
37.5°	2106.4	2051.7	2021.9	1992.1
40°	2043.3	1988.6	1949.8	1911.1
42.5°	1975.8	1931.8	1882.0	1832.2
45°	1855.7	1828.8	1770.0	1711.2
47.5°	1691.0	1698.4	1640.4	1582.3
50°	1564.9	1604.6	1549.5	1494.5
52.5°	1433.5	1493.5	1444.5	1395.4
55°	1243.1	1308.7	1275.0	1241.2
57.5°	1051.3	1103.0	1079.2	1055.4
60°	922.2	969.1	950.4	931.6
62.5°	803.6	852.5	835.8	819.0
65°	645.5	696.7	680.5	664.2
67.5°	515.8	564.1	546.3	528.6
70°	440.0	485.0	466.3	447.5
72.5°	376.2	415.5	397.7	380.0
75°	286.1	314.6	300.8	287.1
77.5°	207.1	225.8	217.0	208.3
80°	157.6	170.7	167.0	163.2
82.5°	112.6	120.2	121.5	122.7
85°	57.2	59.7	62.2	64.7
87.5°	22.1	23.7	22.4	21.2
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: P1428103

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-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: P1428103  
 CATALOG NUMBER: SQ2W-PP3-K-100U-125D-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	21.39	22.31	22.27	23.20	24.33	17.16	18.08	18.04	18.97	20.10
	3H	22.46	23.28	23.35	24.18	25.33	18.48	19.30	19.37	20.20	21.35
	4H	22.83	23.60	23.73	24.51	25.67	19.04	19.81	19.94	20.72	21.88
	6H	23.03	23.74	23.94	24.65	25.82	19.40	20.12	20.32	21.03	22.20
	8H	23.09	23.77	24.01	24.70	25.87	19.53	20.21	20.46	21.14	22.32
	12H	23.11	23.76	24.04	24.68	25.88	19.57	20.21	20.50	21.14	22.34
4H	2H	21.52	22.29	22.43	23.20	24.36	18.08	18.85	18.99	19.76	20.92
	3H	22.82	23.46	23.74	24.40	25.57	19.51	20.15	20.43	21.09	22.26
	4H	23.33	23.91	24.26	24.84	26.05	20.13	20.71	21.06	21.65	22.85
	6H	23.65	24.15	24.59	25.10	26.31	20.58	21.08	21.53	22.04	23.24
	8H	23.76	24.22	24.70	25.18	26.39	20.75	21.22	21.70	22.17	23.39
	12H	23.80	24.23	24.77	25.19	26.42	20.80	21.23	21.77	22.19	23.42
8H	4H	23.35	23.82	24.30	24.77	25.99	20.45	20.91	21.39	21.86	23.08
	6H	23.77	24.15	24.74	25.15	26.36	21.01	21.39	21.98	22.39	23.60
	8H	23.95	24.29	24.93	25.27	26.50	21.25	21.60	22.24	22.58	23.81
	12H	24.05	24.35	25.03	25.32	26.60	21.36	21.66	22.34	22.63	23.92
12H	4H	23.31	23.73	24.28	24.70	25.92	20.46	20.88	21.42	21.85	23.07
	6H	23.76	24.10	24.74	25.08	26.32	21.07	21.41	22.05	22.40	23.63
	8H	23.96	24.26	24.94	25.23	26.52	21.35	21.65	22.33	22.63	23.91