

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: P1428322

Luminaire Tested: SQ2W-PR1-K-150U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428322
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-150U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

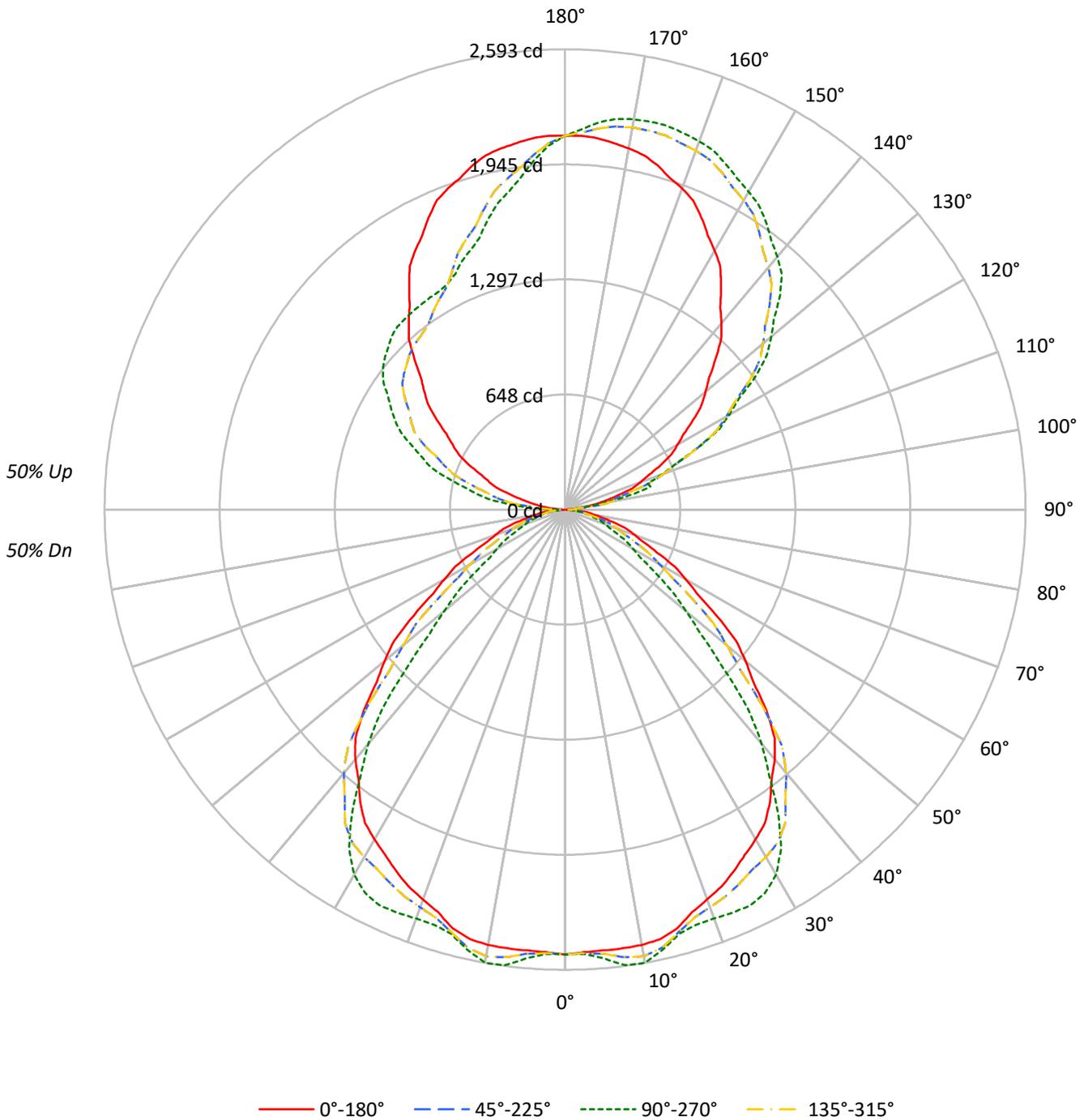
Lumens per Lamp: N/A
Luminaire Lumens: 12188.0 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	98	94	91	87	91	87	84	81	74	72	69	61	60	59	50	49	48	43				
2	90	83	77	72	83	77	72	68	65	62	58	55	52	50	45	43	42	37				
3	82	73	66	61	76	68	62	57	58	54	50	49	46	43	40	38	36	32				
4	76	65	58	52	70	61	54	49	52	47	43	44	40	37	36	34	31	28				
5	70	58	51	45	64	54	47	42	47	41	37	40	36	32	33	30	28	25				
6	64	53	45	39	59	49	42	37	42	37	33	36	32	29	30	27	25	22				
7	59	48	40	34	55	44	37	33	38	33	29	33	29	25	27	24	22	19				
8	55	43	36	30	51	40	34	29	35	30	26	30	26	23	25	22	20	17				
9	51	40	32	27	48	37	30	26	32	27	23	28	24	21	23	20	18	16				
10	48	36	29	24	44	34	28	23	30	24	21	26	21	19	22	19	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	40461	40461	40461	40461
5°	40409	41153	40409	41153
10°	40834	42510	40834	42510
15°	40822	41377	40822	41377
20°	40161	42136	40161	42136
25°	40047	43870	40047	43870
30°	40005	44291	40005	44291
35°	39625	41237	39625	41237
40°	38711	36290	38711	36290
45°	36631	28697	36631	28697
50°	33301	22265	33301	22265
55°	29266	17331	29266	17331
60°	25326	14269	25326	14269
65°	21860	12493	21860	12493
70°	19657	11094	19657	11094
75°	18010	10199	18010	10199
80°	15676	9977	15676	9977
85°	11356	4724	11356	4724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 39326 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.0	2.0
10°-20°	700.6	5.7
20°-30°	1083.0	8.9
30°-40°	1302.4	10.7
40°-50°	1169.6	9.6
50°-60°	783.7	6.4
60°-70°	455.9	3.7
70°-80°	234.1	1.9
80°-90°	66.5	0.5
90°-100°	167.6	1.4
100°-110°	488.9	4.0
110°-120°	797.8	6.5
120°-130°	1012.4	8.3
130°-140°	1083.3	8.9
140°-150°	1011.5	8.3
150°-160°	832.4	6.8
160°-170°	558.2	4.6
170°-180°	198.2	1.6
0°-30°	2025.6	16.6
0°-40°	3328.0	27.3
0°-60°	5281.2	43.3
0°-90°	6037.7	49.5
90°-120°	1454.3	11.9
90°-150°	4561.5	37.4
90°-180°	6150.0	50.5
0°-180°	12188.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2506	2506	2506	2506	2506	
5°	2493	2539	2493	2539	2493	238
15°	2442	2475	2442	2475	2442	686
25°	2248	2463	2248	2463	2248	1037
35°	2010	2092	2010	2092	2010	1253
45°	1604	1257	1604	1257	1604	1227
55°	1040	616	1040	616	1040	934
65°	572	327	572	327	572	579
75°	289	164	289	164	289	306
85°	61	26	61	26	61	76
90°	6	47	6	92	6	7
95°	66	49	66	287	66	80
105°	311	498	311	685	311	330
115°	596	826	596	1017	596	587
125°	881	1308	881	1247	881	788
135°	1198	1713	1198	1381	1198	926
145°	1530	1974	1530	1411	1530	957
155°	1817	2145	1817	1464	1817	835
165°	2008	2236	2008	1685	2008	565
175°	2100	2189	2100	1977	2100	199
180°	2106	2106	2106	2106	2106	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0
2.5°	2495.8	2509.4	2523.1	2516.9	2504.2	2498.3	2499.2	2500.6	2503.3	2506.0	2503.3
5°	2493.3	2512.6	2531.9	2527.3	2514.8	2509.7	2512.0	2516.5	2527.9	2539.2	2527.9
7.5°	2492.7	2520.2	2547.7	2549.8	2543.4	2543.6	2550.1	2558.8	2573.8	2588.8	2573.8
10°	2490.7	2523.6	2556.6	2561.4	2556.8	2555.1	2556.3	2561.1	2577.0	2592.9	2577.0
12.5°	2478.4	2516.8	2555.2	2551.2	2533.0	2523.1	2521.5	2522.5	2531.1	2539.8	2531.1
15°	2442.2	2487.6	2533.0	2514.5	2474.8	2456.6	2460.0	2464.0	2469.7	2475.4	2469.7
17.5°	2378.3	2425.8	2473.2	2456.6	2418.7	2405.9	2418.2	2430.1	2441.3	2452.4	2441.3
20°	2337.4	2384.0	2430.5	2419.2	2388.5	2381.1	2397.0	2413.8	2433.1	2452.4	2433.1
22.5°	2300.6	2347.2	2393.7	2386.5	2361.3	2359.8	2382.0	2405.4	2431.9	2458.5	2431.9
25°	2248.0	2288.9	2329.8	2330.6	2318.1	2330.6	2368.1	2403.6	2433.1	2462.6	2433.1
27.5°	2192.8	2216.9	2241.0	2256.9	2270.0	2301.9	2352.6	2395.7	2416.4	2437.1	2416.4
30°	2145.8	2161.7	2177.6	2207.1	2241.2	2280.4	2324.7	2359.9	2367.8	2375.7	2367.8
32.5°	2094.7	2104.3	2113.8	2155.4	2207.6	2245.4	2268.8	2283.8	2273.6	2263.3	2273.6
35°	2010.4	2018.4	2026.3	2079.4	2147.5	2172.5	2154.4	2135.3	2113.8	2092.2	2113.8
37.5°	1910.3	1926.7	1943.0	1986.3	2038.5	2038.0	1984.9	1938.9	1914.1	1889.4	1914.1
40°	1836.7	1864.0	1891.2	1920.2	1949.7	1924.7	1845.2	1778.5	1750.2	1721.8	1750.2
42.5°	1746.8	1790.4	1834.0	1840.5	1834.6	1781.0	1679.7	1595.1	1560.3	1525.6	1560.3
45°	1604.3	1663.3	1722.3	1688.6	1623.9	1536.4	1426.3	1334.1	1295.4	1256.8	1295.4
47.5°	1436.2	1496.8	1557.4	1493.7	1388.6	1286.9	1188.6	1105.8	1069.7	1033.6	1069.7
50°	1325.8	1374.6	1423.5	1351.4	1239.0	1136.8	1044.8	965.9	926.2	886.4	926.2
52.5°	1213.4	1248.6	1283.8	1212.4	1105.4	1006.0	914.0	836.0	799.9	763.8	799.9
55°	1039.7	1057.9	1076.0	1009.9	915.7	824.8	737.4	665.6	640.6	615.7	640.6
57.5°	880.3	891.9	903.5	840.8	753.4	672.5	598.3	538.0	519.6	501.2	519.6
60°	784.3	792.2	800.1	736.6	649.1	576.5	518.6	471.5	456.7	441.9	456.7
62.5°	696.4	702.5	708.6	647.3	563.5	498.6	452.5	415.1	404.0	392.9	404.0
65°	572.2	577.9	583.6	531.3	459.8	406.5	371.3	342.9	334.9	327.0	334.9
67.5°	473.6	476.6	479.5	436.5	378.1	335.1	307.4	284.7	277.3	269.8	277.3
70°	416.4	417.5	418.7	380.6	329.5	291.5	266.5	246.4	240.7	235.0	240.7
72.5°	365.3	363.7	362.1	328.2	283.4	250.9	230.4	214.1	210.3	206.4	210.3
75°	288.7	285.3	281.9	253.8	217.4	192.4	178.8	168.0	165.8	163.5	165.8
77.5°	215.6	212.0	208.3	185.0	155.0	137.7	133.2	129.8	129.8	129.8	129.8
80°	168.6	164.1	159.5	141.4	118.6	107.3	107.3	107.3	107.3	107.3	107.3
82.5°	125.7	119.3	113.0	101.8	89.1	82.8	82.8	82.5	81.6	80.7	81.6
85°	61.3	55.6	50.0	48.5	48.5	45.1	38.3	32.4	29.0	25.5	29.0
87.5°	17.6	19.3	21.5	19.8	16.5	14.6	14.6	15.1	15.5	15.5	15.5
90°	6.4	14.9	25.5	34.0	40.4	42.6	42.6	44.7	46.8	46.8	46.8
92.5°	23.4	37.0	37.4	37.4	45.5	49.4	52.8	53.2	55.3	55.3	55.3
95°	66.0	72.3	108.5	106.4	72.3	57.4	48.9	48.9	48.9	48.9	48.9
97.5°	126.0	135.3	141.3	189.4	200.0	193.2	157.4	132.3	118.3	111.9	118.3
100°	178.7	183.0	195.7	197.9	251.1	302.1	276.6	244.7	234.0	227.7	234.0
102.5°	231.5	234.0	253.6	262.6	274.9	303.8	392.3	382.6	375.3	374.0	375.3
105°	310.6	312.8	348.9	366.0	374.5	374.5	372.3	414.9	483.0	497.9	483.0
107.5°	395.3	405.1	447.7	493.2	503.0	505.5	494.5	488.1	485.5	487.2	485.5
110°	453.2	468.1	519.2	576.6	591.5	595.8	591.5	585.1	580.9	580.9	580.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	509.4	531.1	588.9	654.9	680.0	692.8	683.4	678.7	674.5	677.9	674.5
115°	595.8	627.7	704.3	772.3	823.4	829.8	827.7	827.7	825.5	825.5	825.5
117.5°	675.8	726.8	812.8	891.9	951.1	968.1	976.6	974.1	971.5	975.8	971.5
120°	731.9	791.5	889.4	978.7	1036.2	1061.7	1070.2	1066.0	1070.2	1066.0	1070.2
122.5°	791.5	864.7	960.9	1053.6	1121.3	1150.2	1160.4	1161.3	1162.1	1159.6	1162.1
125°	880.9	970.2	1083.0	1178.7	1248.9	1283.0	1291.5	1293.6	1297.9	1308.5	1297.9
127.5°	971.1	1072.4	1196.2	1288.5	1360.4	1401.7	1414.9	1419.6	1428.5	1433.2	1428.5
130°	1034.1	1148.9	1274.5	1361.7	1431.9	1476.6	1500.0	1506.4	1517.0	1514.9	1517.0
132.5°	1100.4	1220.4	1347.7	1438.3	1503.4	1551.5	1571.5	1589.8	1593.6	1596.6	1593.6
135°	1197.9	1327.7	1455.3	1544.7	1606.4	1653.2	1678.7	1695.8	1706.4	1712.8	1706.4
137.5°	1300.4	1437.5	1560.0	1639.6	1701.7	1742.1	1771.1	1789.0	1800.0	1805.1	1800.0
140°	1370.2	1502.1	1621.3	1704.3	1759.6	1800.0	1825.5	1846.8	1859.6	1859.6	1859.6
142.5°	1436.6	1566.8	1682.6	1765.5	1814.1	1851.1	1878.3	1894.5	1909.0	1909.0	1909.0
145°	1529.8	1659.6	1766.0	1849.0	1889.4	1923.4	1953.2	1966.0	1974.5	1974.5	1974.5
147.5°	1627.2	1742.1	1839.2	1918.7	1952.8	1992.8	2016.2	2026.4	2037.0	2032.4	2037.0
150°	1685.1	1791.5	1885.1	1959.6	1993.6	2031.9	2055.3	2063.8	2074.5	2068.1	2074.5
152.5°	1741.3	1842.6	1927.7	1997.0	2026.0	2064.3	2091.1	2099.6	2106.8	2102.1	2106.8
155°	1817.0	1906.4	1985.1	2049.0	2074.5	2110.7	2136.2	2146.8	2155.3	2144.7	2155.3
157.5°	1884.7	1961.7	2030.2	2089.0	2116.2	2147.3	2171.1	2184.3	2192.8	2188.1	2192.8
160°	1925.6	1995.8	2057.5	2112.8	2138.3	2166.0	2191.5	2206.4	2214.9	2208.5	2214.9
162.5°	1959.6	2023.0	2081.3	2131.5	2153.6	2177.9	2208.5	2221.7	2230.2	2222.1	2230.2
165°	2008.5	2059.6	2110.7	2153.2	2172.4	2191.5	2223.4	2238.3	2244.7	2236.2	2244.7
167.5°	2045.6	2084.7	2126.0	2162.6	2176.6	2195.3	2227.3	2239.6	2247.7	2237.0	2247.7
170°	2066.0	2100.0	2136.2	2166.0	2176.6	2193.6	2225.6	2236.2	2242.6	2231.9	2242.6
172.5°	2083.0	2108.5	2137.9	2164.3	2169.8	2183.4	2213.6	2224.3	2229.0	2220.0	2229.0
175°	2100.0	2114.9	2136.2	2153.2	2151.1	2159.6	2185.1	2193.6	2202.1	2189.4	2202.1
177.5°	2108.1	2114.9	2121.7	2131.9	2125.1	2125.1	2143.9	2149.0	2150.7	2143.9	2150.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0
2.5°	2500.6	2499.2	2498.3	2504.2	2516.9	2523.1	2509.4	2495.8	2509.4	2523.1	2516.9
5°	2516.5	2512.0	2509.7	2514.8	2527.3	2531.9	2512.6	2493.3	2512.6	2531.9	2527.3
7.5°	2558.8	2550.1	2543.6	2543.4	2549.8	2547.7	2520.2	2492.7	2520.2	2547.7	2549.8
10°	2561.1	2556.3	2555.1	2556.8	2561.4	2556.6	2523.6	2490.7	2523.6	2556.6	2561.4
12.5°	2522.5	2521.5	2523.1	2533.0	2551.2	2555.2	2516.8	2478.4	2516.8	2555.2	2551.2
15°	2464.0	2460.0	2456.6	2474.8	2514.5	2533.0	2487.6	2442.2	2487.6	2533.0	2514.5
17.5°	2430.1	2418.2	2405.9	2418.7	2456.6	2473.2	2425.8	2378.3	2425.8	2473.2	2456.6
20°	2413.8	2397.0	2381.1	2388.5	2419.2	2430.5	2384.0	2337.4	2384.0	2430.5	2419.2
22.5°	2405.4	2382.0	2359.8	2361.3	2386.5	2393.7	2347.2	2300.6	2347.2	2393.7	2386.5
25°	2403.6	2368.1	2330.6	2318.1	2330.6	2329.8	2288.9	2248.0	2288.9	2329.8	2330.6
27.5°	2395.7	2352.6	2301.9	2270.0	2256.9	2241.0	2216.9	2192.8	2216.9	2241.0	2256.9
30°	2359.9	2324.7	2280.4	2241.2	2207.1	2177.6	2161.7	2145.8	2161.7	2177.6	2207.1
32.5°	2283.8	2268.8	2245.4	2207.6	2155.4	2113.8	2104.3	2094.7	2104.3	2113.8	2155.4
35°	2135.3	2154.4	2172.5	2147.5	2079.4	2026.3	2018.4	2010.4	2018.4	2026.3	2079.4
37.5°	1938.9	1984.9	2038.0	2038.5	1986.3	1943.0	1926.7	1910.3	1926.7	1943.0	1986.3
40°	1778.5	1845.2	1924.7	1949.7	1920.2	1891.2	1864.0	1836.7	1864.0	1891.2	1920.2
42.5°	1595.1	1679.7	1781.0	1834.6	1840.5	1834.0	1790.4	1746.8	1790.4	1834.0	1840.5
45°	1334.1	1426.3	1536.4	1623.9	1688.6	1722.3	1663.3	1604.3	1663.3	1722.3	1688.6
47.5°	1105.8	1188.6	1286.9	1388.6	1493.7	1557.4	1496.8	1436.2	1496.8	1557.4	1493.7
50°	965.9	1044.8	1136.8	1239.0	1351.4	1423.5	1374.6	1325.8	1374.6	1423.5	1351.4
52.5°	836.0	914.0	1006.0	1105.4	1212.4	1283.8	1248.6	1213.4	1248.6	1283.8	1212.4
55°	665.6	737.4	824.8	915.7	1009.9	1076.0	1057.9	1039.7	1057.9	1076.0	1009.9
57.5°	538.0	598.3	672.5	753.4	840.8	903.5	891.9	880.3	891.9	903.5	840.8
60°	471.5	518.6	576.5	649.1	736.6	800.1	792.2	784.3	792.2	800.1	736.6
62.5°	415.1	452.5	498.6	563.5	647.3	708.6	702.5	696.4	702.5	708.6	647.3
65°	342.9	371.3	406.5	459.8	531.3	583.6	577.9	572.2	577.9	583.6	531.3
67.5°	284.7	307.4	335.1	378.1	436.5	479.5	476.6	473.6	476.6	479.5	436.5
70°	246.4	266.5	291.5	329.5	380.6	418.7	417.5	416.4	417.5	418.7	380.6
72.5°	214.1	230.4	250.9	283.4	328.2	362.1	363.7	365.3	363.7	362.1	328.2
75°	168.0	178.8	192.4	217.4	253.8	281.9	285.3	288.7	285.3	281.9	253.8
77.5°	129.8	133.2	137.7	155.0	185.0	208.3	212.0	215.6	212.0	208.3	185.0
80°	107.3	107.3	107.3	118.6	141.4	159.5	164.1	168.6	164.1	159.5	141.4
82.5°	82.5	82.8	82.8	89.1	101.8	113.0	119.3	125.7	119.3	113.0	101.8
85°	32.4	38.3	45.1	48.5	48.5	50.0	55.6	61.3	55.6	50.0	48.5
87.5°	15.1	14.6	14.6	16.5	19.8	21.5	19.3	17.6	19.3	21.0	20.6
90°	44.7	42.6	42.6	40.4	34.0	25.5	14.9	6.4	14.9	23.4	38.3
92.5°	53.2	52.8	49.4	45.5	37.4	37.4	37.0	23.4	40.4	57.4	82.6
95°	48.9	48.9	57.4	72.3	106.4	108.5	72.3	66.0	93.6	131.9	166.0
97.5°	132.3	157.4	193.2	200.0	189.4	141.3	135.3	126.0	171.5	209.4	264.3
100°	244.7	276.6	302.1	251.1	197.9	195.7	183.0	178.7	227.7	263.8	317.0
102.5°	382.6	392.3	303.8	274.9	262.6	253.6	234.0	231.5	280.4	330.2	374.9
105°	414.9	372.3	374.5	374.5	366.0	348.9	312.8	310.6	366.0	423.4	478.7
107.5°	488.1	494.5	505.5	503.0	493.2	447.7	405.1	395.3	445.1	514.0	574.9
110°	585.1	591.5	595.8	591.5	576.6	519.2	468.1	453.2	497.9	570.2	636.2

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	678.7	683.4	692.8	680.0	654.9	588.9	531.1	509.4	554.0	628.1	695.8
115°	827.7	827.7	829.8	823.4	772.3	704.3	627.7	595.8	634.0	702.1	776.6
117.5°	974.1	976.6	968.1	951.1	891.9	812.8	726.8	675.8	706.0	777.9	854.5
120°	1066.0	1070.2	1061.7	1036.2	978.7	889.4	791.5	731.9	755.3	825.5	902.1
122.5°	1161.3	1160.4	1150.2	1121.3	1053.6	960.9	864.7	791.5	801.3	866.4	941.3
125°	1293.6	1291.5	1283.0	1248.9	1178.7	1083.0	970.2	880.9	868.1	923.4	1000.0
127.5°	1419.6	1414.9	1401.7	1360.4	1288.5	1196.2	1072.4	971.1	942.6	977.5	1047.7
130°	1506.4	1500.0	1476.6	1431.9	1361.7	1274.5	1148.9	1034.1	993.6	1014.9	1076.6
132.5°	1589.8	1571.5	1551.5	1503.4	1438.3	1347.7	1220.4	1100.4	1044.7	1054.1	1102.1
135°	1695.8	1678.7	1653.2	1606.4	1544.7	1455.3	1327.7	1197.9	1121.3	1112.8	1140.4
137.5°	1789.0	1771.1	1742.1	1701.7	1639.6	1560.0	1437.5	1300.4	1203.8	1175.3	1186.0
140°	1846.8	1825.5	1800.0	1759.6	1704.3	1621.3	1502.1	1370.2	1261.7	1221.3	1214.9
142.5°	1894.5	1878.3	1851.1	1814.1	1765.5	1682.6	1566.8	1436.6	1321.3	1268.9	1254.1
145°	1966.0	1953.2	1923.4	1889.4	1849.0	1766.0	1659.6	1529.8	1414.9	1346.8	1314.9
147.5°	2026.4	2016.2	1992.8	1952.8	1918.7	1839.2	1742.1	1627.2	1509.4	1425.1	1383.8
150°	2063.8	2055.3	2031.9	1993.6	1959.6	1885.1	1791.5	1685.1	1572.4	1483.0	1429.8
152.5°	2099.6	2091.1	2064.3	2026.0	1997.0	1927.7	1842.6	1741.3	1626.8	1537.5	1482.6
155°	2146.8	2136.2	2110.7	2074.5	2049.0	1985.1	1906.4	1817.0	1719.2	1625.5	1563.8
157.5°	2184.3	2171.1	2147.3	2116.2	2089.0	2030.2	1961.7	1884.7	1799.2	1709.8	1646.8
160°	2206.4	2191.5	2166.0	2138.3	2112.8	2057.5	1995.8	1925.6	1846.8	1766.0	1697.9
162.5°	2221.7	2208.5	2177.9	2153.6	2131.5	2081.3	2023.0	1959.6	1889.4	1818.7	1755.8
165°	2238.3	2223.4	2191.5	2172.4	2153.2	2110.7	2059.6	2008.5	1949.0	1891.5	1840.4
167.5°	2239.6	2227.3	2195.3	2176.6	2162.6	2126.0	2084.7	2045.6	1999.2	1954.1	1911.5
170°	2236.2	2225.6	2193.6	2176.6	2166.0	2136.2	2100.0	2066.0	2029.8	1991.5	1957.5
172.5°	2224.3	2213.6	2183.4	2169.8	2164.3	2137.9	2108.5	2083.0	2051.9	2023.8	1996.6
175°	2193.6	2185.1	2159.6	2151.1	2153.2	2136.2	2114.9	2100.0	2080.9	2063.8	2049.0
177.5°	2149.0	2143.9	2125.1	2125.1	2131.9	2121.7	2114.9	2108.1	2099.6	2094.5	2089.4
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0	2506.0
2.5°	2504.2	2498.3	2499.2	2500.6	2503.3	2506.0	2503.3	2500.6	2499.2	2498.3	2504.2
5°	2514.8	2509.7	2512.0	2516.5	2527.9	2539.2	2527.9	2516.5	2512.0	2509.7	2514.8
7.5°	2543.4	2543.6	2550.1	2558.8	2573.8	2588.8	2573.8	2558.8	2550.1	2543.6	2543.4
10°	2556.8	2555.1	2556.3	2561.1	2577.0	2592.9	2577.0	2561.1	2556.3	2555.1	2556.8
12.5°	2533.0	2523.1	2521.5	2522.5	2531.1	2539.8	2531.1	2522.5	2521.5	2523.1	2533.0
15°	2474.8	2456.6	2460.0	2464.0	2469.7	2475.4	2469.7	2464.0	2460.0	2456.6	2474.8
17.5°	2418.7	2405.9	2418.2	2430.1	2441.3	2452.4	2441.3	2430.1	2418.2	2405.9	2418.7
20°	2388.5	2381.1	2397.0	2413.8	2433.1	2452.4	2433.1	2413.8	2397.0	2381.1	2388.5
22.5°	2361.3	2359.8	2382.0	2405.4	2431.9	2458.5	2431.9	2405.4	2382.0	2359.8	2361.3
25°	2318.1	2330.6	2368.1	2403.6	2433.1	2462.6	2433.1	2403.6	2368.1	2330.6	2318.1
27.5°	2270.0	2301.9	2352.6	2395.7	2416.4	2437.1	2416.4	2395.7	2352.6	2301.9	2270.0
30°	2241.2	2280.4	2324.7	2359.9	2367.8	2375.7	2367.8	2359.9	2324.7	2280.4	2241.2
32.5°	2207.6	2245.4	2268.8	2283.8	2273.6	2263.3	2273.6	2283.8	2268.8	2245.4	2207.6
35°	2147.5	2172.5	2154.4	2135.3	2113.8	2092.2	2113.8	2135.3	2154.4	2172.5	2147.5
37.5°	2038.5	2038.0	1984.9	1938.9	1914.1	1889.4	1914.1	1938.9	1984.9	2038.0	2038.5
40°	1949.7	1924.7	1845.2	1778.5	1750.2	1721.8	1750.2	1778.5	1845.2	1924.7	1949.7
42.5°	1834.6	1781.0	1679.7	1595.1	1560.3	1525.6	1560.3	1595.1	1679.7	1781.0	1834.6
45°	1623.9	1536.4	1426.3	1334.1	1295.4	1256.8	1295.4	1334.1	1426.3	1536.4	1623.9
47.5°	1388.6	1286.9	1188.6	1105.8	1069.7	1033.6	1069.7	1105.8	1188.6	1286.9	1388.6
50°	1239.0	1136.8	1044.8	965.9	926.2	886.4	926.2	965.9	1044.8	1136.8	1239.0
52.5°	1105.4	1006.0	914.0	836.0	799.9	763.8	799.9	836.0	914.0	1006.0	1105.4
55°	915.7	824.8	737.4	665.6	640.6	615.7	640.6	665.6	737.4	824.8	915.7
57.5°	753.4	672.5	598.3	538.0	519.6	501.2	519.6	538.0	598.3	672.5	753.4
60°	649.1	576.5	518.6	471.5	456.7	441.9	456.7	471.5	518.6	576.5	649.1
62.5°	563.5	498.6	452.5	415.1	404.0	392.9	404.0	415.1	452.5	498.6	563.5
65°	459.8	406.5	371.3	342.9	334.9	327.0	334.9	342.9	371.3	406.5	459.8
67.5°	378.1	335.1	307.4	284.7	277.3	269.8	277.3	284.7	307.4	335.1	378.1
70°	329.5	291.5	266.5	246.4	240.7	235.0	240.7	246.4	266.5	291.5	329.5
72.5°	283.4	250.9	230.4	214.1	210.3	206.4	210.3	214.1	230.4	250.9	283.4
75°	217.4	192.4	178.8	168.0	165.8	163.5	165.8	168.0	178.8	192.4	217.4
77.5°	155.0	137.7	133.2	129.8	129.8	129.8	129.8	129.8	133.2	137.7	155.0
80°	118.6	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	118.6
82.5°	89.1	82.8	82.8	82.5	81.6	80.7	81.6	82.5	82.8	82.8	89.1
85°	48.5	45.1	38.3	32.4	29.0	25.5	29.0	32.4	38.3	45.1	48.5
87.5°	18.2	18.9	21.9	23.6	25.3	24.4	25.3	23.6	21.9	18.9	18.2
90°	48.9	63.8	78.7	87.2	95.7	91.5	95.7	87.2	78.7	63.8	48.9
92.5°	98.3	123.4	141.7	157.0	163.8	163.0	163.8	157.0	141.7	123.4	98.3
95°	197.9	227.7	257.4	278.7	291.5	287.2	291.5	278.7	257.4	227.7	197.9
97.5°	305.1	345.1	378.3	398.3	411.1	419.6	411.1	398.3	378.3	345.1	305.1
100°	376.6	414.9	453.2	476.6	497.9	506.4	497.9	476.6	453.2	414.9	376.6
102.5°	434.5	484.7	526.4	551.5	569.4	577.9	569.4	551.5	526.4	484.7	434.5
105°	529.8	583.0	627.7	659.6	678.7	685.1	678.7	659.6	627.7	583.0	529.8
107.5°	625.1	680.0	721.3	756.6	780.0	793.6	780.0	756.6	721.3	680.0	625.1
110°	700.0	744.7	789.4	821.3	844.7	853.2	844.7	821.3	789.4	744.7	700.0



TEST NUMBER: P1428322

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	763.0	812.8	857.5	889.4	916.2	928.1	916.2	889.4	857.5	812.8	763.0
115°	851.1	917.0	957.5	987.2	1006.4	1017.0	1006.4	987.2	957.5	917.0	851.1
117.5°	924.3	993.2	1037.5	1060.4	1069.4	1077.0	1069.4	1060.4	1037.5	993.2	924.3
120°	970.2	1034.1	1085.1	1114.9	1125.5	1129.8	1125.5	1114.9	1085.1	1034.1	970.2
122.5°	1012.8	1073.2	1122.6	1159.2	1176.6	1180.9	1176.6	1159.2	1122.6	1073.2	1012.8
125°	1072.4	1129.8	1180.9	1217.0	1236.2	1246.8	1236.2	1217.0	1180.9	1129.8	1072.4
127.5°	1124.3	1186.4	1233.2	1266.0	1284.7	1293.2	1284.7	1266.0	1233.2	1186.4	1124.3
130°	1153.2	1217.0	1263.8	1300.0	1317.0	1325.5	1317.0	1300.0	1263.8	1217.0	1153.2
132.5°	1175.3	1242.6	1291.1	1323.8	1342.6	1351.1	1342.6	1323.8	1291.1	1242.6	1175.3
135°	1202.1	1272.4	1323.4	1355.3	1372.4	1380.9	1372.4	1355.3	1323.4	1272.4	1202.1
137.5°	1225.5	1289.4	1342.6	1376.2	1391.5	1397.0	1391.5	1376.2	1342.6	1289.4	1225.5
140°	1242.6	1297.9	1351.1	1383.0	1400.0	1402.1	1400.0	1383.0	1351.1	1297.9	1242.6
142.5°	1264.7	1308.1	1354.5	1386.4	1403.4	1407.2	1403.4	1386.4	1354.5	1308.1	1264.7
145°	1304.3	1329.8	1361.7	1391.5	1406.4	1410.7	1406.4	1391.5	1361.7	1329.8	1304.3
147.5°	1354.1	1362.1	1378.7	1398.3	1412.8	1415.8	1412.8	1398.3	1378.7	1362.1	1354.1
150°	1391.5	1389.4	1395.8	1408.5	1421.3	1419.2	1421.3	1408.5	1395.8	1389.4	1391.5
152.5°	1434.1	1421.7	1421.3	1427.2	1433.2	1432.8	1433.2	1427.2	1421.3	1421.7	1434.1
155°	1506.4	1483.0	1470.2	1466.0	1466.0	1463.8	1466.0	1466.0	1470.2	1483.0	1506.4
157.5°	1586.0	1553.2	1534.1	1523.8	1520.9	1516.2	1520.9	1523.8	1534.1	1553.2	1586.0
160°	1640.4	1604.3	1585.1	1568.1	1561.7	1555.3	1561.7	1568.1	1585.1	1604.3	1640.4
162.5°	1691.5	1657.0	1636.2	1620.9	1614.5	1604.7	1614.5	1620.9	1636.2	1657.0	1691.5
165°	1774.5	1738.3	1714.9	1702.1	1693.6	1685.1	1693.6	1702.1	1714.9	1738.3	1774.5
167.5°	1857.5	1817.9	1802.6	1788.1	1780.0	1764.7	1780.0	1788.1	1802.6	1817.9	1857.5
170°	1908.5	1872.4	1863.8	1851.1	1836.2	1819.2	1836.2	1851.1	1863.8	1872.4	1908.5
172.5°	1952.8	1928.5	1920.0	1907.3	1902.6	1889.0	1902.6	1907.3	1920.0	1928.5	1952.8
175°	2017.0	1997.9	1997.9	1995.8	1989.4	1976.6	1989.4	1995.8	1997.9	1997.9	2017.0
177.5°	2070.7	2060.4	2067.3	2067.3	2065.6	2053.6	2065.6	2067.3	2067.3	2060.4	2070.7
180°	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428322

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2506.0	2506.0	2506.0	2506.0
2.5°	2516.9	2523.1	2509.4	2495.8
5°	2527.3	2531.9	2512.6	2493.3
7.5°	2549.8	2547.7	2520.2	2492.7
10°	2561.4	2556.6	2523.6	2490.7
12.5°	2551.2	2555.2	2516.8	2478.4
15°	2514.5	2533.0	2487.6	2442.2
17.5°	2456.6	2473.2	2425.8	2378.3
20°	2419.2	2430.5	2384.0	2337.4
22.5°	2386.5	2393.7	2347.2	2300.6
25°	2330.6	2329.8	2288.9	2248.0
27.5°	2256.9	2241.0	2216.9	2192.8
30°	2207.1	2177.6	2161.7	2145.8
32.5°	2155.4	2113.8	2104.3	2094.7
35°	2079.4	2026.3	2018.4	2010.4
37.5°	1986.3	1943.0	1926.7	1910.3
40°	1920.2	1891.2	1864.0	1836.7
42.5°	1840.5	1834.0	1790.4	1746.8
45°	1688.6	1722.3	1663.3	1604.3
47.5°	1493.7	1557.4	1496.8	1436.2
50°	1351.4	1423.5	1374.6	1325.8
52.5°	1212.4	1283.8	1248.6	1213.4
55°	1009.9	1076.0	1057.9	1039.7
57.5°	840.8	903.5	891.9	880.3
60°	736.6	800.1	792.2	784.3
62.5°	647.3	708.6	702.5	696.4
65°	531.3	583.6	577.9	572.2
67.5°	436.5	479.5	476.6	473.6
70°	380.6	418.7	417.5	416.4
72.5°	328.2	362.1	363.7	365.3
75°	253.8	281.9	285.3	288.7
77.5°	185.0	208.3	212.0	215.6
80°	141.4	159.5	164.1	168.6
82.5°	101.8	113.0	119.3	125.7
85°	48.5	50.0	55.6	61.3
87.5°	20.6	21.0	19.3	17.6
90°	38.3	23.4	14.9	6.4
92.5°	82.6	57.4	40.4	23.4
95°	166.0	131.9	93.6	66.0
97.5°	264.3	209.4	171.5	126.0
100°	317.0	263.8	227.7	178.7
102.5°	374.9	330.2	280.4	231.5
105°	478.7	423.4	366.0	310.6
107.5°	574.9	514.0	445.1	395.3
110°	636.2	570.2	497.9	453.2



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	695.8	628.1	554.0	509.4
115°	776.6	702.1	634.0	595.8
117.5°	854.5	777.9	706.0	675.8
120°	902.1	825.5	755.3	731.9
122.5°	941.3	866.4	801.3	791.5
125°	1000.0	923.4	868.1	880.9
127.5°	1047.7	977.5	942.6	971.1
130°	1076.6	1014.9	993.6	1034.1
132.5°	1102.1	1054.1	1044.7	1100.4
135°	1140.4	1112.8	1121.3	1197.9
137.5°	1186.0	1175.3	1203.8	1300.4
140°	1214.9	1221.3	1261.7	1370.2
142.5°	1254.1	1268.9	1321.3	1436.6
145°	1314.9	1346.8	1414.9	1529.8
147.5°	1383.8	1425.1	1509.4	1627.2
150°	1429.8	1483.0	1572.4	1685.1
152.5°	1482.6	1537.5	1626.8	1741.3
155°	1563.8	1625.5	1719.2	1817.0
157.5°	1646.8	1709.8	1799.2	1884.7
160°	1697.9	1766.0	1846.8	1925.6
162.5°	1755.8	1818.7	1889.4	1959.6
165°	1840.4	1891.5	1949.0	2008.5
167.5°	1911.5	1954.1	1999.2	2045.6
170°	1957.5	1991.5	2029.8	2066.0
172.5°	1996.6	2023.8	2051.9	2083.0
175°	2049.0	2063.8	2080.9	2100.0
177.5°	2089.4	2094.5	2099.6	2108.1
180°	2106.4	2106.4	2106.4	2106.4



TEST NUMBER: P1428322
 CATALOG NUMBER: SQ2W-PR1-K-150U-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	19.48	20.30	20.45	21.28	22.56	15.85	16.67	16.82	17.65	18.93
	3H	20.69	21.42	21.67	22.40	23.71	17.01	17.74	17.99	18.73	20.03
	4H	21.17	21.86	22.17	22.85	24.16	17.47	18.16	18.47	19.15	20.47
	6H	21.47	22.10	22.47	23.10	24.42	17.81	18.45	18.82	19.44	20.77
	8H	21.57	22.17	22.58	23.18	24.50	17.95	18.55	18.96	19.56	20.88
	12H	21.61	22.18	22.62	23.18	24.53	17.98	18.55	18.99	19.56	20.90
4H	2H	19.58	20.27	20.58	21.26	22.57	16.56	17.25	17.56	18.24	19.55
	3H	21.04	21.61	22.05	22.63	23.96	17.91	18.48	18.92	19.50	20.83
	4H	21.67	22.19	22.68	23.20	24.55	18.45	18.98	19.47	19.99	21.34
	6H	22.09	22.54	23.12	23.58	24.92	18.88	19.33	19.91	20.37	21.71
	8H	22.25	22.67	23.28	23.70	25.06	19.07	19.49	20.10	20.51	21.87
	12H	22.32	22.69	23.36	23.74	25.10	19.11	19.49	20.16	20.53	21.90
8H	4H	21.69	22.11	22.72	23.13	24.49	18.78	19.20	19.81	20.22	21.59
	6H	22.22	22.56	23.27	23.63	24.99	19.32	19.66	20.37	20.73	22.09
	8H	22.45	22.76	23.51	23.81	25.19	19.58	19.88	20.64	20.94	22.32
	12H	22.57	22.84	23.63	23.89	25.31	19.67	19.94	20.73	20.99	22.41
12H	4H	21.64	22.02	22.69	23.07	24.43	18.80	19.17	19.84	20.22	21.58
	6H	22.21	22.51	23.27	23.57	24.95	19.39	19.69	20.45	20.75	22.13
	8H	22.46	22.73	23.52	23.78	25.20	19.68	19.94	20.74	20.99	22.41