

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: P1428311

Luminaire Tested: SQ2W-PR1-K-150U-100D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428311
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-100D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

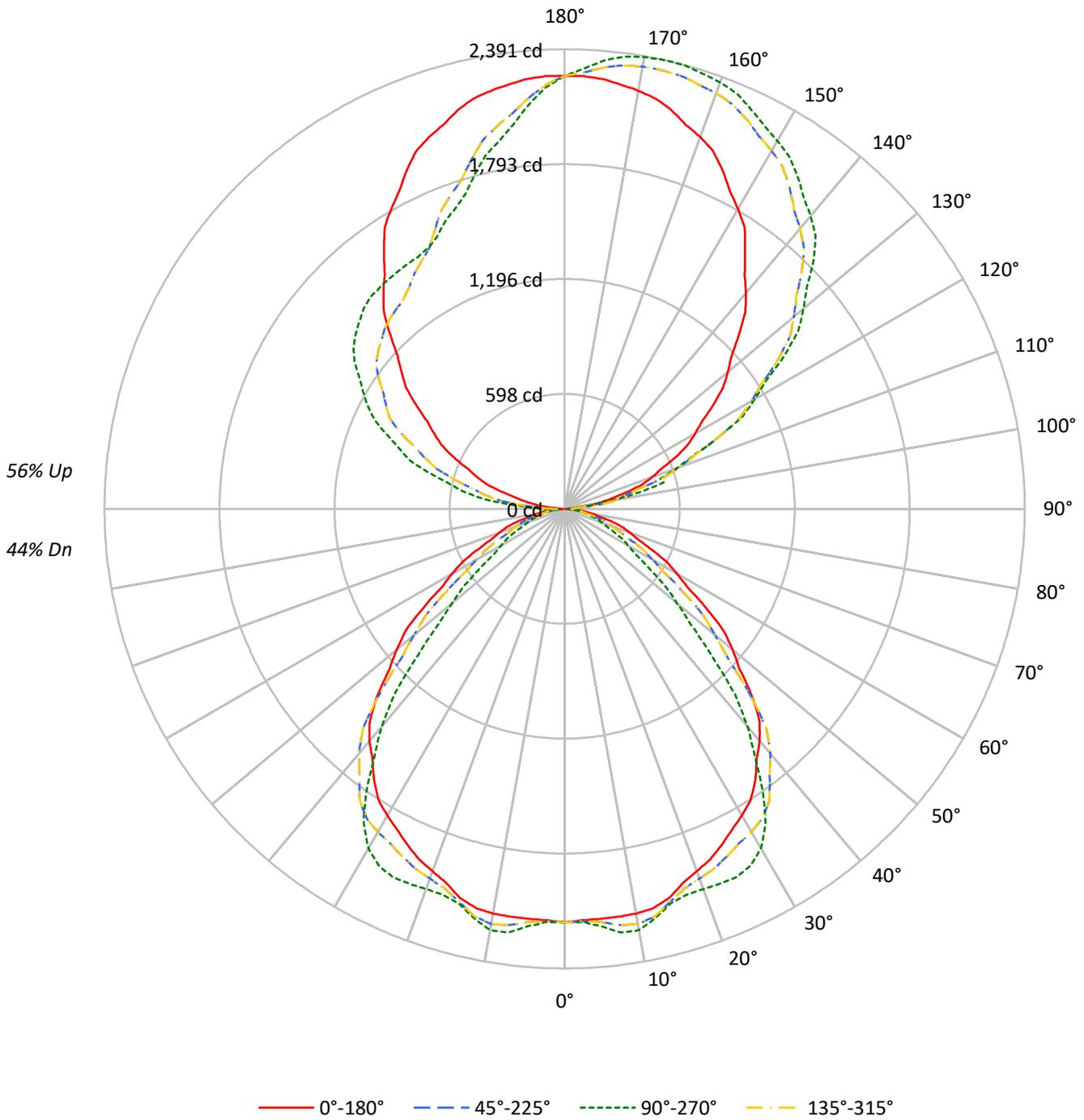
Lumens per Lamp: N/A
Luminaire Lumens: 11758.9 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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

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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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	93	89	86	89	85	82	79	71	69	67	58	56	55	46	45	44	38
2	89	82	76	71	81	75	70	66	63	59	56	51	49	47	41	39	38	33
3	81	72	65	60	74	67	61	56	56	51	48	46	43	40	37	34	33	28
4	75	64	57	51	68	59	53	48	50	45	41	41	38	35	33	31	29	25
5	69	57	50	44	63	53	46	41	45	40	36	37	33	30	30	27	25	22
6	63	52	44	38	58	48	41	36	40	35	31	34	30	27	27	24	22	19
7	58	47	39	34	54	43	36	32	37	31	28	31	27	24	25	22	20	17
8	54	42	35	30	50	39	33	28	34	28	25	28	24	21	23	20	18	16
9	51	39	31	26	46	36	29	25	31	26	22	26	22	19	21	18	16	14
10	47	35	28	24	43	33	27	22	28	23	20	24	20	17	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34734	34734	34734	34734
5°	34688	35329	34688	35329
10°	35053	36493	35053	36493
15°	35043	35520	35043	35520
20°	34477	36171	34477	36171
25°	34379	37660	34379	37660
30°	34343	38021	34343	38021
35°	34018	35399	34018	35399
40°	33231	31153	33231	31153
45°	31446	24635	31446	24635
50°	28587	19115	28587	19115
55°	25123	14877	25123	14877
60°	21738	12251	21738	12251
65°	18766	10724	18766	10724
70°	16876	9526	16876	9526
75°	15458	8752	15458	8752
80°	13454	8563	13454	8563
85°	9744	4057	9744	4057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 33759 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.8	1.8
10°-20°	601.4	5.1
20°-30°	929.7	7.9
30°-40°	1118.0	9.5
40°-50°	1004.0	8.5
50°-60°	672.7	5.7
60°-70°	391.3	3.3
70°-80°	201.0	1.7
80°-90°	58.9	0.5
90°-100°	179.2	1.5
100°-110°	522.6	4.4
110°-120°	852.8	7.3
120°-130°	1082.1	9.2
130°-140°	1157.9	9.8
140°-150°	1081.2	9.2
150°-160°	889.7	7.6
160°-170°	596.7	5.1
170°-180°	211.9	1.8
0°-30°	1738.9	14.8
0°-40°	2856.9	24.3
0°-60°	4533.7	38.6
0°-90°	5184.9	44.1
90°-120°	1554.5	13.2
90°-150°	4875.8	41.5
90°-180°	6574.0	55.9
0°-180°	11758.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2151	2151	2151	2151	2151	
5°	2140	2180	2140	2180	2140	204
15°	2096	2125	2096	2125	2096	589
25°	1930	2114	1930	2114	1930	890
35°	1726	1796	1726	1796	1726	1076
45°	1377	1079	1377	1079	1377	1053
55°	892	528	892	528	892	802
65°	491	281	491	281	491	497
75°	248	140	248	140	248	263
85°	53	22	53	22	53	65
90°	7	50	7	98	7	7
95°	70	52	70	307	70	85
105°	332	532	332	732	332	353
115°	637	882	637	1087	637	628
125°	942	1399	942	1333	942	842
135°	1280	1831	1280	1476	1280	989
145°	1635	2110	1635	1508	1635	1023
155°	1942	2292	1942	1565	1942	893
165°	2147	2390	2147	1801	2147	604
175°	2245	2340	2245	2113	2245	213
180°	2252	2252	2252	2252	2252	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3
2.5°	2142.5	2154.2	2165.9	2160.6	2149.7	2144.7	2145.4	2146.6	2149.0	2151.3	2149.0
5°	2140.3	2156.9	2173.5	2169.6	2158.8	2154.5	2156.4	2160.3	2170.1	2179.8	2170.1
7.5°	2139.9	2163.5	2187.1	2188.9	2183.4	2183.5	2189.2	2196.6	2209.5	2222.3	2209.5
10°	2138.1	2166.4	2194.7	2198.8	2194.9	2193.4	2194.4	2198.6	2212.2	2225.9	2212.2
12.5°	2127.6	2160.5	2193.5	2190.0	2174.4	2166.0	2164.6	2165.4	2172.8	2180.2	2172.8
15°	2096.5	2135.5	2174.4	2158.6	2124.5	2108.9	2111.8	2115.2	2120.1	2125.0	2120.1
17.5°	2041.6	2082.4	2123.1	2108.9	2076.3	2065.3	2075.9	2086.1	2095.7	2105.2	2095.7
20°	2006.6	2046.5	2086.5	2076.7	2050.4	2044.1	2057.7	2072.1	2088.7	2105.2	2088.7
22.5°	1975.0	2014.9	2054.9	2048.7	2027.0	2025.8	2044.9	2064.9	2087.7	2110.5	2087.7
25°	1929.8	1964.9	2000.0	2000.7	1990.0	2000.7	2032.9	2063.3	2088.7	2114.0	2088.7
27.5°	1882.4	1903.1	1923.8	1937.4	1948.7	1976.1	2019.6	2056.6	2074.3	2092.1	2074.3
30°	1842.1	1855.7	1869.4	1894.7	1924.0	1957.6	1995.6	2025.8	2032.6	2039.4	2032.6
32.5°	1798.2	1806.4	1814.6	1850.3	1895.1	1927.6	1947.6	1960.5	1951.7	1943.0	1951.7
35°	1725.9	1732.7	1739.5	1785.1	1843.5	1865.0	1849.4	1833.1	1814.5	1796.0	1814.5
37.5°	1639.9	1653.9	1668.0	1705.1	1749.9	1749.5	1703.9	1664.4	1643.2	1621.9	1643.2
40°	1576.7	1600.1	1623.5	1648.4	1673.7	1652.3	1584.0	1526.8	1502.4	1478.1	1502.4
42.5°	1499.5	1537.0	1574.4	1580.0	1574.9	1528.9	1441.9	1369.3	1339.5	1309.6	1339.5
45°	1377.2	1427.9	1478.5	1449.5	1394.0	1318.9	1224.4	1145.2	1112.1	1078.9	1112.1
47.5°	1232.9	1284.9	1337.0	1282.3	1192.0	1104.7	1020.3	949.3	918.3	887.3	918.3
50°	1138.1	1180.1	1222.0	1160.1	1063.6	975.9	896.9	829.2	795.1	761.0	795.1
52.5°	1041.7	1071.9	1102.1	1040.8	949.0	863.6	784.6	717.7	686.7	655.7	686.7
55°	892.5	908.1	923.7	866.9	786.1	708.1	633.0	571.4	549.9	528.5	549.9
57.5°	755.7	765.6	775.6	721.8	646.7	577.3	513.6	461.8	446.0	430.3	446.0
60°	673.2	680.1	686.9	632.3	557.3	494.9	445.2	404.7	392.1	379.4	392.1
62.5°	597.8	603.1	608.3	555.7	483.8	428.0	388.4	356.4	346.8	337.3	346.8
65°	491.2	496.1	501.0	456.1	394.7	348.9	318.7	294.3	287.5	280.7	287.5
67.5°	406.6	409.1	411.6	374.7	324.6	287.7	263.9	244.4	238.0	231.6	238.0
70°	357.5	358.4	359.4	326.8	282.9	250.2	228.8	211.5	206.6	201.8	206.6
72.5°	313.6	312.2	310.9	281.7	243.3	215.3	197.8	183.8	180.5	177.2	180.5
75°	247.8	244.9	242.0	217.8	186.6	165.2	153.5	144.2	142.3	140.3	142.3
77.5°	185.1	182.0	178.8	158.8	133.0	118.2	114.3	111.4	111.4	111.4	111.4
80°	144.7	140.8	136.9	121.3	101.9	92.1	92.1	92.1	92.1	92.1	92.1
82.5°	107.9	102.4	97.0	87.4	76.5	71.1	71.1	70.9	70.1	69.3	70.1
85°	52.6	47.8	42.9	41.7	41.7	38.7	32.9	27.8	24.9	21.9	24.9
87.5°	15.4	17.2	19.5	18.4	15.9	14.4	14.4	14.8	15.3	15.3	15.3
90°	6.8	15.9	27.3	36.4	43.2	45.5	45.5	47.8	50.0	50.0	50.0
92.5°	25.0	39.6	40.0	40.0	48.7	52.8	56.4	56.9	59.1	59.1	59.1
95°	70.5	77.3	116.0	113.7	77.3	61.4	52.3	52.3	52.3	52.3	52.3
97.5°	134.6	144.6	151.0	202.4	213.8	206.5	168.3	141.5	126.4	119.6	126.4
100°	191.0	195.6	209.2	211.5	268.4	322.9	295.7	261.5	250.2	243.3	250.2
102.5°	247.4	250.2	271.1	280.6	293.8	324.8	419.4	408.9	401.2	399.8	401.2
105°	332.0	334.3	373.0	391.2	400.3	400.3	398.0	443.5	516.3	532.2	516.3
107.5°	422.6	433.0	478.5	527.2	537.6	540.4	528.5	521.7	519.0	520.8	519.0
110°	484.4	500.3	554.9	616.3	632.2	636.8	632.2	625.4	620.9	620.9	620.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	544.5	567.7	629.5	700.0	726.9	740.5	730.5	725.5	720.9	724.6	720.9
115°	636.8	670.9	752.8	825.6	880.1	887.0	884.7	884.7	882.4	882.4	882.4
117.5°	722.3	776.9	868.8	953.4	1016.6	1034.8	1043.9	1041.2	1038.4	1043.0	1038.4
120°	782.3	846.0	950.6	1046.2	1107.6	1134.9	1144.0	1139.4	1144.0	1139.4	1144.0
122.5°	846.0	924.3	1027.1	1126.2	1198.5	1229.5	1240.4	1241.3	1242.2	1239.5	1242.2
125°	941.5	1037.1	1157.6	1259.9	1335.0	1371.4	1380.5	1382.8	1387.3	1398.7	1387.3
127.5°	1038.0	1146.2	1278.6	1377.3	1454.2	1498.3	1512.4	1517.4	1526.9	1531.9	1526.9
130°	1105.3	1228.1	1362.3	1455.5	1530.6	1578.3	1603.4	1610.2	1621.6	1619.3	1621.6
132.5°	1176.3	1304.5	1440.5	1537.4	1607.0	1658.4	1679.8	1699.3	1703.4	1706.6	1703.4
135°	1280.4	1419.1	1555.6	1651.1	1717.1	1767.1	1794.4	1812.6	1824.0	1830.8	1824.0
137.5°	1390.0	1536.5	1667.5	1752.6	1819.0	1862.2	1893.1	1912.2	1924.0	1929.5	1924.0
140°	1464.6	1605.6	1733.0	1821.7	1880.8	1924.0	1951.3	1974.1	1987.7	1987.7	1987.7
142.5°	1535.6	1674.8	1798.5	1887.2	1939.0	1978.6	2007.7	2025.0	2040.5	2040.5	2040.5
145°	1635.2	1773.9	1887.6	1976.3	2019.6	2055.9	2087.8	2101.4	2110.5	2110.5	2110.5
147.5°	1739.4	1862.2	1965.9	2050.9	2087.3	2130.1	2155.1	2166.0	2177.4	2172.4	2177.4
150°	1801.2	1914.9	2015.0	2094.6	2131.0	2171.9	2196.9	2206.0	2217.4	2210.6	2217.4
152.5°	1861.3	1969.5	2060.5	2134.6	2165.6	2206.5	2235.2	2244.2	2252.0	2247.0	2252.0
155°	1942.2	2037.7	2121.9	2190.1	2217.4	2256.1	2283.4	2294.7	2303.8	2292.5	2303.8
157.5°	2014.5	2096.9	2170.1	2232.9	2262.0	2295.2	2320.7	2334.8	2343.9	2338.9	2343.9
160°	2058.2	2133.3	2199.2	2258.3	2285.6	2315.2	2342.5	2358.4	2367.5	2360.7	2367.5
162.5°	2094.6	2162.4	2224.7	2278.4	2302.0	2327.9	2360.7	2374.8	2383.9	2375.2	2383.9
165°	2146.9	2201.5	2256.1	2301.6	2322.0	2342.5	2376.6	2392.5	2399.4	2390.3	2399.4
167.5°	2186.5	2228.3	2272.5	2311.6	2326.6	2346.6	2380.7	2393.9	2402.5	2391.2	2402.5
170°	2208.3	2244.7	2283.4	2315.2	2326.6	2344.8	2378.9	2390.3	2397.1	2385.7	2397.1
172.5°	2226.5	2253.8	2285.2	2313.4	2319.3	2333.9	2366.2	2377.5	2382.5	2373.0	2382.5
175°	2244.7	2260.6	2283.4	2301.6	2299.3	2308.4	2335.7	2344.8	2353.9	2340.2	2353.9
177.5°	2253.3	2260.6	2267.9	2278.8	2271.5	2271.5	2291.6	2297.0	2298.8	2291.6	2298.8
180°	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3
2.5°	2146.6	2145.4	2144.7	2149.7	2160.6	2165.9	2154.2	2142.5	2154.2	2165.9	2160.6
5°	2160.3	2156.4	2154.5	2158.8	2169.6	2173.5	2156.9	2140.3	2156.9	2173.5	2169.6
7.5°	2196.6	2189.2	2183.5	2183.4	2188.9	2187.1	2163.5	2139.9	2163.5	2187.1	2188.9
10°	2198.6	2194.4	2193.4	2194.9	2198.8	2194.7	2166.4	2138.1	2166.4	2194.7	2198.8
12.5°	2165.4	2164.6	2166.0	2174.4	2190.0	2193.5	2160.5	2127.6	2160.5	2193.5	2190.0
15°	2115.2	2111.8	2108.9	2124.5	2158.6	2174.4	2135.5	2096.5	2135.5	2174.4	2158.6
17.5°	2086.1	2075.9	2065.3	2076.3	2108.9	2123.1	2082.4	2041.6	2082.4	2123.1	2108.9
20°	2072.1	2057.7	2044.1	2050.4	2076.7	2086.5	2046.5	2006.6	2046.5	2086.5	2076.7
22.5°	2064.9	2044.9	2025.8	2027.0	2048.7	2054.9	2014.9	1975.0	2014.9	2054.9	2048.7
25°	2063.3	2032.9	2000.7	1990.0	2000.7	2000.0	1964.9	1929.8	1964.9	2000.0	2000.7
27.5°	2056.6	2019.6	1976.1	1948.7	1937.4	1923.8	1903.1	1882.4	1903.1	1923.8	1937.4
30°	2025.8	1995.6	1957.6	1924.0	1894.7	1869.4	1855.7	1842.1	1855.7	1869.4	1894.7
32.5°	1960.5	1947.6	1927.6	1895.1	1850.3	1814.6	1806.4	1798.2	1806.4	1814.6	1850.3
35°	1833.1	1849.4	1865.0	1843.5	1785.1	1739.5	1732.7	1725.9	1732.7	1739.5	1785.1
37.5°	1664.4	1703.9	1749.5	1749.9	1705.1	1668.0	1653.9	1639.9	1653.9	1668.0	1705.1
40°	1526.8	1584.0	1652.3	1673.7	1648.4	1623.5	1600.1	1576.7	1600.1	1623.5	1648.4
42.5°	1369.3	1441.9	1528.9	1574.9	1580.0	1574.4	1537.0	1499.5	1537.0	1574.4	1580.0
45°	1145.2	1224.4	1318.9	1394.0	1449.5	1478.5	1427.9	1377.2	1427.9	1478.5	1449.5
47.5°	949.3	1020.3	1104.7	1192.0	1282.3	1337.0	1284.9	1232.9	1284.9	1337.0	1282.3
50°	829.2	896.9	975.9	1063.6	1160.1	1222.0	1180.1	1138.1	1180.1	1222.0	1160.1
52.5°	717.7	784.6	863.6	949.0	1040.8	1102.1	1071.9	1041.7	1071.9	1102.1	1040.8
55°	571.4	633.0	708.1	786.1	866.9	923.7	908.1	892.5	908.1	923.7	866.9
57.5°	461.8	513.6	577.3	646.7	721.8	775.6	765.6	755.7	765.6	775.6	721.8
60°	404.7	445.2	494.9	557.3	632.3	686.9	680.1	673.2	680.1	686.9	632.3
62.5°	356.4	388.4	428.0	483.8	555.7	608.3	603.1	597.8	603.1	608.3	555.7
65°	294.3	318.7	348.9	394.7	456.1	501.0	496.1	491.2	496.1	501.0	456.1
67.5°	244.4	263.9	287.7	324.6	374.7	411.6	409.1	406.6	409.1	411.6	374.7
70°	211.5	228.8	250.2	282.9	326.8	359.4	358.4	357.5	358.4	359.4	326.8
72.5°	183.8	197.8	215.3	243.3	281.7	310.9	312.2	313.6	312.2	310.9	281.7
75°	144.2	153.5	165.2	186.6	217.8	242.0	244.9	247.8	244.9	242.0	217.8
77.5°	111.4	114.3	118.2	133.0	158.8	178.8	182.0	185.1	182.0	178.8	158.8
80°	92.1	92.1	92.1	101.9	121.3	136.9	140.8	144.7	140.8	136.9	121.3
82.5°	70.9	71.1	71.1	76.5	87.4	97.0	102.4	107.9	102.4	97.0	87.4
85°	27.8	32.9	38.7	41.7	41.7	42.9	47.8	52.6	47.8	42.9	41.7
87.5°	14.8	14.4	14.4	15.9	18.4	19.5	17.2	15.4	17.2	19.0	19.3
90°	47.8	45.5	45.5	43.2	36.4	27.3	15.9	6.8	15.9	25.0	40.9
92.5°	56.9	56.4	52.8	48.7	40.0	40.0	39.6	25.0	43.2	61.4	88.2
95°	52.3	52.3	61.4	77.3	113.7	116.0	77.3	70.5	100.1	141.0	177.4
97.5°	141.5	168.3	206.5	213.8	202.4	151.0	144.6	134.6	183.3	223.8	282.5
100°	261.5	295.7	322.9	268.4	211.5	209.2	195.6	191.0	243.3	282.0	338.9
102.5°	408.9	419.4	324.8	293.8	280.6	271.1	250.2	247.4	299.7	353.0	400.7
105°	443.5	398.0	400.3	400.3	391.2	373.0	334.3	332.0	391.2	452.6	511.7
107.5°	521.7	528.5	540.4	537.6	527.2	478.5	433.0	422.6	475.8	549.5	614.5
110°	625.4	632.2	636.8	632.2	616.3	554.9	500.3	484.4	532.2	609.5	680.0



TEST NUMBER: P1428311

CATALOG NUMBER: SQ2W-PR1-K-150U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	725.5	730.5	740.5	726.9	700.0	629.5	567.7	544.5	592.2	671.4	743.7
115°	884.7	884.7	887.0	880.1	825.6	752.8	670.9	636.8	677.7	750.5	830.1
117.5°	1041.2	1043.9	1034.8	1016.6	953.4	868.8	776.9	722.3	754.6	831.5	913.3
120°	1139.4	1144.0	1134.9	1107.6	1046.2	950.6	846.0	782.3	807.4	882.4	964.3
122.5°	1241.3	1240.4	1229.5	1198.5	1126.2	1027.1	924.3	846.0	856.5	926.1	1006.1
125°	1382.8	1380.5	1371.4	1335.0	1259.9	1157.6	1037.1	941.5	927.9	987.0	1068.9
127.5°	1517.4	1512.4	1498.3	1454.2	1377.3	1278.6	1146.2	1038.0	1007.5	1044.8	1119.9
130°	1610.2	1603.4	1578.3	1530.6	1455.5	1362.3	1228.1	1105.3	1062.1	1084.8	1150.8
132.5°	1699.3	1679.8	1658.4	1607.0	1537.4	1440.5	1304.5	1176.3	1116.7	1126.7	1178.1
135°	1812.6	1794.4	1767.1	1717.1	1651.1	1555.6	1419.1	1280.4	1198.5	1189.4	1219.0
137.5°	1912.2	1893.1	1862.2	1819.0	1752.6	1667.5	1536.5	1390.0	1286.8	1256.3	1267.7
140°	1974.1	1951.3	1924.0	1880.8	1821.7	1733.0	1605.6	1464.6	1348.6	1305.4	1298.6
142.5°	2025.0	2007.7	1978.6	1939.0	1887.2	1798.5	1674.8	1535.6	1412.3	1356.4	1340.5
145°	2101.4	2087.8	2055.9	2019.6	1976.3	1887.6	1773.9	1635.2	1512.4	1439.6	1405.5
147.5°	2166.0	2155.1	2130.1	2087.3	2050.9	1965.9	1862.2	1739.4	1613.4	1523.3	1479.2
150°	2206.0	2196.9	2171.9	2131.0	2094.6	2015.0	1914.9	1801.2	1680.7	1585.2	1528.3
152.5°	2244.2	2235.2	2206.5	2165.6	2134.6	2060.5	1969.5	1861.3	1738.9	1643.4	1584.7
155°	2294.7	2283.4	2256.1	2217.4	2190.1	2121.9	2037.7	1942.2	1837.6	1737.5	1671.6
157.5°	2334.8	2320.7	2295.2	2262.0	2232.9	2170.1	2096.9	2014.5	1923.1	1827.6	1760.3
160°	2358.4	2342.5	2315.2	2285.6	2258.3	2199.2	2133.3	2058.2	1974.1	1887.6	1814.9
162.5°	2374.8	2360.7	2327.9	2302.0	2278.4	2224.7	2162.4	2094.6	2019.6	1944.0	1876.7
165°	2392.5	2376.6	2342.5	2322.0	2301.6	2256.1	2201.5	2146.9	2083.2	2021.8	1967.2
167.5°	2393.9	2380.7	2346.6	2326.6	2311.6	2272.5	2228.3	2186.5	2136.9	2088.7	2043.2
170°	2390.3	2378.9	2344.8	2326.6	2315.2	2283.4	2244.7	2208.3	2169.7	2128.7	2092.3
172.5°	2377.5	2366.2	2333.9	2319.3	2313.4	2285.2	2253.8	2226.5	2193.3	2163.3	2134.2
175°	2344.8	2335.7	2308.4	2299.3	2301.6	2283.4	2260.6	2244.7	2224.2	2206.0	2190.1
177.5°	2297.0	2291.6	2271.5	2271.5	2278.8	2267.9	2260.6	2253.3	2244.2	2238.8	2233.3
180°	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5



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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3
2.5°	2149.7	2144.7	2145.4	2146.6	2149.0	2151.3	2149.0	2146.6	2145.4	2144.7	2149.7
5°	2158.8	2154.5	2156.4	2160.3	2170.1	2179.8	2170.1	2160.3	2156.4	2154.5	2158.8
7.5°	2183.4	2183.5	2189.2	2196.6	2209.5	2222.3	2209.5	2196.6	2189.2	2183.5	2183.4
10°	2194.9	2193.4	2194.4	2198.6	2212.2	2225.9	2212.2	2198.6	2194.4	2193.4	2194.9
12.5°	2174.4	2166.0	2164.6	2165.4	2172.8	2180.2	2172.8	2165.4	2164.6	2166.0	2174.4
15°	2124.5	2108.9	2111.8	2115.2	2120.1	2125.0	2120.1	2115.2	2111.8	2108.9	2124.5
17.5°	2076.3	2065.3	2075.9	2086.1	2095.7	2105.2	2095.7	2086.1	2075.9	2065.3	2076.3
20°	2050.4	2044.1	2057.7	2072.1	2088.7	2105.2	2088.7	2072.1	2057.7	2044.1	2050.4
22.5°	2027.0	2025.8	2044.9	2064.9	2087.7	2110.5	2087.7	2064.9	2044.9	2025.8	2027.0
25°	1990.0	2000.7	2032.9	2063.3	2088.7	2114.0	2088.7	2063.3	2032.9	2000.7	1990.0
27.5°	1948.7	1976.1	2019.6	2056.6	2074.3	2092.1	2074.3	2056.6	2019.6	1976.1	1948.7
30°	1924.0	1957.6	1995.6	2025.8	2032.6	2039.4	2032.6	2025.8	1995.6	1957.6	1924.0
32.5°	1895.1	1927.6	1947.6	1960.5	1951.7	1943.0	1951.7	1960.5	1947.6	1927.6	1895.1
35°	1843.5	1865.0	1849.4	1833.1	1814.5	1796.0	1814.5	1833.1	1849.4	1865.0	1843.5
37.5°	1749.9	1749.5	1703.9	1664.4	1643.2	1621.9	1643.2	1664.4	1703.9	1749.5	1749.9
40°	1673.7	1652.3	1584.0	1526.8	1502.4	1478.1	1502.4	1526.8	1584.0	1652.3	1673.7
42.5°	1574.9	1528.9	1441.9	1369.3	1339.5	1309.6	1339.5	1369.3	1441.9	1528.9	1574.9
45°	1394.0	1318.9	1224.4	1145.2	1112.1	1078.9	1112.1	1145.2	1224.4	1318.9	1394.0
47.5°	1192.0	1104.7	1020.3	949.3	918.3	887.3	918.3	949.3	1020.3	1104.7	1192.0
50°	1063.6	975.9	896.9	829.2	795.1	761.0	795.1	829.2	896.9	975.9	1063.6
52.5°	949.0	863.6	784.6	717.7	686.7	655.7	686.7	717.7	784.6	863.6	949.0
55°	786.1	708.1	633.0	571.4	549.9	528.5	549.9	571.4	633.0	708.1	786.1
57.5°	646.7	577.3	513.6	461.8	446.0	430.3	446.0	461.8	513.6	577.3	646.7
60°	557.3	494.9	445.2	404.7	392.1	379.4	392.1	404.7	445.2	494.9	557.3
62.5°	483.8	428.0	388.4	356.4	346.8	337.3	346.8	356.4	388.4	428.0	483.8
65°	394.7	348.9	318.7	294.3	287.5	280.7	287.5	294.3	318.7	348.9	394.7
67.5°	324.6	287.7	263.9	244.4	238.0	231.6	238.0	244.4	263.9	287.7	324.6
70°	282.9	250.2	228.8	211.5	206.6	201.8	206.6	211.5	228.8	250.2	282.9
72.5°	243.3	215.3	197.8	183.8	180.5	177.2	180.5	183.8	197.8	215.3	243.3
75°	186.6	165.2	153.5	144.2	142.3	140.3	142.3	144.2	153.5	165.2	186.6
77.5°	133.0	118.2	114.3	111.4	111.4	111.4	111.4	111.4	114.3	118.2	133.0
80°	101.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	101.9
82.5°	76.5	71.1	71.1	70.9	70.1	69.3	70.1	70.9	71.1	71.1	76.5
85°	41.7	38.7	32.9	27.8	24.9	21.9	24.9	27.8	32.9	38.7	41.7
87.5°	17.7	18.9	22.1	23.9	25.7	24.8	25.7	23.9	22.1	18.9	17.7
90°	52.3	68.2	84.1	93.2	102.3	97.8	102.3	93.2	84.1	68.2	52.3
92.5°	105.1	131.9	151.5	167.8	175.1	174.2	175.1	167.8	151.5	131.9	105.1
95°	211.5	243.3	275.2	297.9	311.6	307.0	311.6	297.9	275.2	243.3	211.5
97.5°	326.1	368.9	404.4	425.7	439.4	448.5	439.4	425.7	404.4	368.9	326.1
100°	402.5	443.5	484.4	509.4	532.2	541.3	532.2	509.4	484.4	443.5	402.5
102.5°	464.4	518.1	562.7	589.5	608.6	617.7	608.6	589.5	562.7	518.1	464.4
105°	566.3	623.1	670.9	705.0	725.5	732.3	725.5	705.0	670.9	623.1	566.3
107.5°	668.2	726.9	771.0	808.7	833.7	848.3	833.7	808.7	771.0	726.9	668.2
110°	748.2	796.0	843.8	877.9	902.9	912.0	902.9	877.9	843.8	796.0	748.2



TEST NUMBER: P1428311

CATALOG NUMBER: SQ2W-PR1-K-150U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	815.6	868.8	916.5	950.6	979.3	992.0	979.3	950.6	916.5	868.8	815.6
115°	909.7	980.2	1023.4	1055.3	1075.7	1087.1	1075.7	1055.3	1023.4	980.2	909.7
117.5°	987.9	1061.6	1108.9	1133.5	1143.0	1151.2	1143.0	1133.5	1108.9	1061.6	987.9
120°	1037.1	1105.3	1159.9	1191.7	1203.1	1207.6	1203.1	1191.7	1159.9	1105.3	1037.1
122.5°	1082.6	1147.1	1199.9	1239.0	1257.7	1262.2	1257.7	1239.0	1199.9	1147.1	1082.6
125°	1146.2	1207.6	1262.2	1300.9	1321.4	1332.7	1321.4	1300.9	1262.2	1207.6	1146.2
127.5°	1201.7	1268.1	1318.2	1353.2	1373.2	1382.3	1373.2	1353.2	1318.2	1268.1	1201.7
130°	1232.7	1300.9	1350.9	1389.6	1407.8	1416.9	1407.8	1389.6	1350.9	1300.9	1232.7
132.5°	1256.3	1328.2	1380.0	1415.1	1435.1	1444.2	1435.1	1415.1	1380.0	1328.2	1256.3
135°	1285.0	1360.0	1414.6	1448.7	1466.9	1476.0	1466.9	1448.7	1414.6	1360.0	1285.0
137.5°	1310.0	1378.2	1435.1	1471.0	1487.4	1493.3	1487.4	1471.0	1435.1	1378.2	1310.0
140°	1328.2	1387.3	1444.2	1478.3	1496.5	1498.7	1496.5	1478.3	1444.2	1387.3	1328.2
142.5°	1351.8	1398.2	1447.8	1481.9	1500.1	1504.2	1500.1	1481.9	1447.8	1398.2	1351.8
145°	1394.1	1421.4	1455.5	1487.4	1503.3	1507.8	1503.3	1487.4	1455.5	1421.4	1394.1
147.5°	1447.3	1456.0	1473.7	1494.6	1510.1	1513.3	1510.1	1494.6	1473.7	1456.0	1447.3
150°	1487.4	1485.1	1491.9	1505.6	1519.2	1516.9	1519.2	1505.6	1491.9	1485.1	1487.4
152.5°	1532.9	1519.7	1519.2	1525.6	1531.9	1531.5	1531.9	1525.6	1519.2	1519.7	1532.9
155°	1610.2	1585.2	1571.5	1567.0	1567.0	1564.7	1567.0	1567.0	1571.5	1585.2	1610.2
157.5°	1695.2	1660.2	1639.7	1628.8	1625.6	1620.6	1625.6	1628.8	1639.7	1660.2	1695.2
160°	1753.5	1714.8	1694.3	1676.1	1669.3	1662.5	1669.3	1676.1	1694.3	1714.8	1753.5
162.5°	1808.0	1771.2	1748.9	1732.5	1725.7	1715.3	1725.7	1732.5	1748.9	1771.2	1808.0
165°	1896.7	1858.1	1833.1	1819.4	1810.3	1801.2	1810.3	1819.4	1833.1	1858.1	1896.7
167.5°	1985.4	1943.1	1926.8	1911.3	1902.7	1886.3	1902.7	1911.3	1926.8	1943.1	1985.4
170°	2040.0	2001.4	1992.3	1978.6	1962.7	1944.5	1962.7	1978.6	1992.3	2001.4	2040.0
172.5°	2087.3	2061.4	2052.3	2038.7	2033.7	2019.1	2033.7	2038.7	2052.3	2061.4	2087.3
175°	2156.0	2135.5	2135.5	2133.3	2126.4	2112.8	2126.4	2133.3	2135.5	2135.5	2156.0
177.5°	2213.3	2202.4	2209.7	2209.7	2207.9	2195.1	2207.9	2209.7	2209.7	2202.4	2213.3
180°	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5	2251.5



TEST NUMBER: P1428311

CATALOG NUMBER: SQ2W-PR1-K-150U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2151.3	2151.3	2151.3	2151.3
2.5°	2160.6	2165.9	2154.2	2142.5
5°	2169.6	2173.5	2156.9	2140.3
7.5°	2188.9	2187.1	2163.5	2139.9
10°	2198.8	2194.7	2166.4	2138.1
12.5°	2190.0	2193.5	2160.5	2127.6
15°	2158.6	2174.4	2135.5	2096.5
17.5°	2108.9	2123.1	2082.4	2041.6
20°	2076.7	2086.5	2046.5	2006.6
22.5°	2048.7	2054.9	2014.9	1975.0
25°	2000.7	2000.0	1964.9	1929.8
27.5°	1937.4	1923.8	1903.1	1882.4
30°	1894.7	1869.4	1855.7	1842.1
32.5°	1850.3	1814.6	1806.4	1798.2
35°	1785.1	1739.5	1732.7	1725.9
37.5°	1705.1	1668.0	1653.9	1639.9
40°	1648.4	1623.5	1600.1	1576.7
42.5°	1580.0	1574.4	1537.0	1499.5
45°	1449.5	1478.5	1427.9	1377.2
47.5°	1282.3	1337.0	1284.9	1232.9
50°	1160.1	1222.0	1180.1	1138.1
52.5°	1040.8	1102.1	1071.9	1041.7
55°	866.9	923.7	908.1	892.5
57.5°	721.8	775.6	765.6	755.7
60°	632.3	686.9	680.1	673.2
62.5°	555.7	608.3	603.1	597.8
65°	456.1	501.0	496.1	491.2
67.5°	374.7	411.6	409.1	406.6
70°	326.8	359.4	358.4	357.5
72.5°	281.7	310.9	312.2	313.6
75°	217.8	242.0	244.9	247.8
77.5°	158.8	178.8	182.0	185.1
80°	121.3	136.9	140.8	144.7
82.5°	87.4	97.0	102.4	107.9
85°	41.7	42.9	47.8	52.6
87.5°	19.3	19.0	17.2	15.4
90°	40.9	25.0	15.9	6.8
92.5°	88.2	61.4	43.2	25.0
95°	177.4	141.0	100.1	70.5
97.5°	282.5	223.8	183.3	134.6
100°	338.9	282.0	243.3	191.0
102.5°	400.7	353.0	299.7	247.4
105°	511.7	452.6	391.2	332.0
107.5°	614.5	549.5	475.8	422.6
110°	680.0	609.5	532.2	484.4



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	743.7	671.4	592.2	544.5
115°	830.1	750.5	677.7	636.8
117.5°	913.3	831.5	754.6	722.3
120°	964.3	882.4	807.4	782.3
122.5°	1006.1	926.1	856.5	846.0
125°	1068.9	987.0	927.9	941.5
127.5°	1119.9	1044.8	1007.5	1038.0
130°	1150.8	1084.8	1062.1	1105.3
132.5°	1178.1	1126.7	1116.7	1176.3
135°	1219.0	1189.4	1198.5	1280.4
137.5°	1267.7	1256.3	1286.8	1390.0
140°	1298.6	1305.4	1348.6	1464.6
142.5°	1340.5	1356.4	1412.3	1535.6
145°	1405.5	1439.6	1512.4	1635.2
147.5°	1479.2	1523.3	1613.4	1739.4
150°	1528.3	1585.2	1680.7	1801.2
152.5°	1584.7	1643.4	1738.9	1861.3
155°	1671.6	1737.5	1837.6	1942.2
157.5°	1760.3	1827.6	1923.1	2014.5
160°	1814.9	1887.6	1974.1	2058.2
162.5°	1876.7	1944.0	2019.6	2094.6
165°	1967.2	2021.8	2083.2	2146.9
167.5°	2043.2	2088.7	2136.9	2186.5
170°	2092.3	2128.7	2169.7	2208.3
172.5°	2134.2	2163.3	2193.3	2226.5
175°	2190.1	2206.0	2224.2	2244.7
177.5°	2233.3	2238.8	2244.2	2253.3
180°	2251.5	2251.5	2251.5	2251.5



TEST NUMBER: P1428311
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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	18.42	19.19	19.43	20.21	21.57	14.78	15.56	15.80	16.58	17.94
	3H	19.62	20.31	20.64	21.34	22.71	15.94	16.63	16.97	17.66	19.04
	4H	20.10	20.75	21.14	21.78	23.17	16.40	17.06	17.44	18.09	19.47
	6H	20.39	20.99	21.44	22.03	23.42	16.74	17.34	17.78	18.38	19.77
	8H	20.49	21.07	21.54	22.12	23.51	16.87	17.45	17.92	18.50	19.89
	12H	20.53	21.07	21.59	22.12	23.53	16.90	17.45	17.96	18.49	19.90
4H	2H	18.51	19.17	19.55	20.20	21.58	15.49	16.14	16.53	17.17	18.56
	3H	19.96	20.51	21.01	21.56	22.96	16.83	17.38	17.88	18.44	19.83
	4H	20.59	21.09	21.65	22.13	23.55	17.38	17.87	18.43	18.92	20.34
	6H	21.01	21.44	22.08	22.51	23.93	17.80	18.23	18.87	19.30	20.72
	8H	21.17	21.57	22.24	22.63	24.06	17.99	18.38	19.05	19.45	20.88
	12H	21.23	21.59	22.32	22.67	24.11	18.03	18.39	19.11	19.47	20.90
8H	4H	20.61	21.01	21.67	22.07	23.50	17.70	18.10	18.76	19.16	20.59
	6H	21.14	21.46	22.23	22.57	24.00	18.23	18.56	19.32	19.67	21.10
	8H	21.37	21.66	22.47	22.75	24.20	18.50	18.79	19.59	19.88	21.32
	12H	21.49	21.74	22.59	22.83	24.31	18.59	18.84	19.69	19.93	21.41
12H	4H	20.56	20.92	21.65	22.00	23.44	17.71	18.07	18.80	19.15	20.59
	6H	21.13	21.41	22.22	22.51	23.95	18.31	18.60	19.40	19.69	21.13
	8H	21.37	21.63	22.47	22.71	24.20	18.59	18.85	19.69	19.93	21.42