

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: P1428148

Luminaire Tested: SQ2W-PP3-K-150U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428148
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-150U-100D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

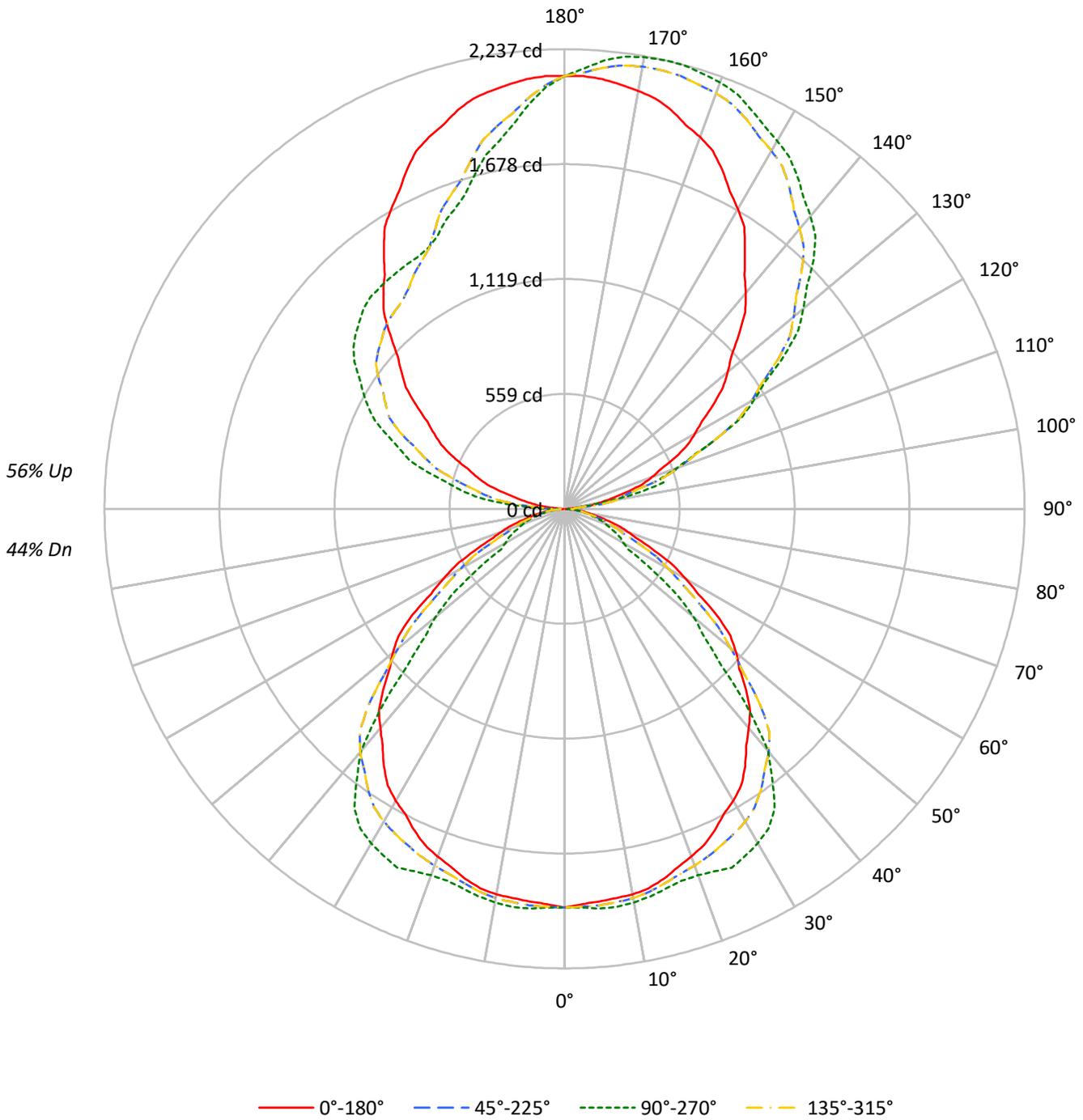
Lumens per Lamp: N/A
Luminaire Lumens: 11046.9 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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	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	59	74	66	60	55	56	51	47	46	43	40	36	34	32	28				
4	74	64	56	51	68	59	52	47	50	45	41	41	37	34	33	30	28	24				
5	68	57	49	43	62	53	46	41	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	38	58	47	40	35	40	35	31	33	29	26	27	24	22	19				
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	25	22	20	17				
8	54	42	34	29	49	39	32	28	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	36	29	25	30	25	22	25	22	19	21	18	16	14				
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	19	16	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31335	31335	31335	31335
5°	31090	31654	31090	31654
10°	31247	31886	31247	31886
15°	31172	31961	31172	31961
20°	30949	32606	30949	32606
25°	30775	34320	30775	34320
30°	30599	35036	30599	35036
35°	30166	35100	30166	35100
40°	29360	32430	29360	32430
45°	28482	24687	28482	24687
50°	27364	20562	27364	20562
55°	25469	14784	25469	14784
60°	21929	10601	21929	10601
65°	18498	10426	18498	10426
70°	15399	9975	15399	9975
75°	13056	9345	13056	9345
80°	11064	8396	11064	8396
85°	8744	4557	8744	4557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 31156 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.8	1.7
10°-20°	534.9	4.8
20°-30°	837.9	7.6
30°-40°	1033.6	9.4
40°-50°	973.1	8.8
50°-60°	689.1	6.2
60°-70°	392.6	3.6
70°-80°	194.4	1.8
80°-90°	56.2	0.5
90°-100°	167.6	1.5
100°-110°	488.9	4.4
110°-120°	797.8	7.2
120°-130°	1012.4	9.2
130°-140°	1083.3	9.8
140°-150°	1011.5	9.2
150°-160°	832.4	7.5
160°-170°	558.2	5.1
170°-180°	198.2	1.8
0°-30°	1557.6	14.1
0°-40°	2591.2	23.5
0°-60°	4253.4	38.5
0°-90°	4896.6	44.3
90°-120°	1454.3	13.2
90°-150°	4561.5	41.3
90°-180°	6150.0	55.7
0°-180°	11046.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1941	1941	1941	1941	1941	
5°	1918	1953	1918	1953	1918	183
15°	1865	1912	1865	1912	1865	526
25°	1728	1926	1728	1926	1728	796
35°	1530	1781	1530	1781	1530	954
45°	1247	1081	1247	1081	1247	960
55°	905	525	905	525	905	798
65°	484	273	484	273	484	486
75°	209	150	209	150	209	227
85°	47	25	47	25	47	56
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°	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8
2.5°	1926.0	1938.4	1950.9	1947.9	1939.9	1936.6	1938.1	1939.5	1941.0	1942.5	1941.0
5°	1918.3	1933.8	1949.3	1947.0	1938.8	1935.6	1937.4	1940.4	1946.7	1953.1	1946.7
7.5°	1910.9	1926.7	1942.6	1940.5	1932.5	1930.1	1933.2	1937.4	1945.3	1953.1	1945.3
10°	1905.9	1919.6	1933.3	1931.2	1924.0	1922.6	1927.1	1932.2	1938.5	1944.9	1938.5
12.5°	1891.2	1904.1	1917.1	1915.4	1908.8	1908.5	1914.6	1920.5	1926.1	1931.8	1926.1
15°	1864.9	1876.8	1888.6	1888.8	1885.2	1887.5	1895.7	1903.0	1907.5	1912.1	1907.5
17.5°	1829.2	1843.6	1858.0	1861.4	1861.0	1866.6	1878.3	1888.3	1893.0	1897.7	1893.0
20°	1801.3	1818.6	1836.0	1841.7	1843.5	1851.7	1866.3	1879.5	1888.6	1897.7	1888.6
22.5°	1771.8	1792.0	1812.3	1819.8	1823.1	1835.6	1857.5	1877.9	1893.5	1909.2	1893.5
25°	1727.5	1747.5	1767.6	1782.2	1794.9	1817.3	1849.2	1879.0	1902.8	1926.5	1902.8
27.5°	1675.8	1695.6	1715.5	1740.6	1767.4	1798.8	1834.7	1866.3	1885.1	1903.9	1885.1
30°	1641.3	1660.4	1679.6	1708.3	1740.2	1774.9	1812.3	1844.6	1861.9	1879.3	1861.9
32.5°	1598.6	1618.5	1638.4	1668.9	1703.0	1740.2	1780.5	1814.7	1830.6	1846.4	1830.6
35°	1530.5	1549.6	1568.8	1604.4	1645.4	1686.9	1728.8	1762.6	1771.7	1780.8	1771.7
37.5°	1452.1	1473.8	1495.5	1535.4	1581.4	1616.1	1639.6	1657.4	1658.0	1658.5	1658.0
40°	1393.0	1421.3	1449.6	1489.5	1533.2	1557.4	1562.0	1562.4	1550.6	1538.7	1550.6
42.5°	1335.6	1371.9	1408.2	1440.2	1470.9	1477.2	1459.1	1432.4	1379.7	1327.0	1379.7
45°	1247.4	1290.2	1333.1	1352.7	1364.5	1324.4	1232.3	1154.1	1117.7	1081.2	1117.7
47.5°	1153.4	1195.7	1238.0	1232.6	1211.3	1150.5	1050.4	969.0	943.9	918.7	943.9
50°	1089.4	1129.5	1169.6	1140.7	1088.7	1020.3	935.5	866.0	842.3	818.6	842.3
52.5°	1017.2	1052.9	1088.7	1045.0	974.7	902.7	828.8	764.4	728.3	692.2	728.3
55°	904.8	929.4	954.0	906.1	834.1	754.8	668.1	594.5	559.9	525.2	559.9
57.5°	769.4	786.7	804.0	766.3	710.4	631.5	529.7	443.7	404.9	366.0	404.9
60°	679.1	692.8	706.4	672.2	622.1	546.9	446.6	366.6	347.4	328.3	347.4
62.5°	597.0	609.2	621.5	585.8	534.2	467.0	384.2	320.4	313.7	306.9	313.7
65°	484.2	496.0	507.9	470.5	416.7	364.3	313.2	274.7	273.8	272.9	273.8
67.5°	385.3	398.2	411.2	376.0	324.7	286.0	259.7	239.8	238.7	237.6	238.7
70°	326.2	339.9	353.6	320.7	272.4	240.9	226.4	215.0	213.1	211.3	213.1
72.5°	277.0	289.9	302.9	274.2	231.7	205.8	196.3	188.9	187.8	186.7	187.8
75°	209.3	219.3	229.3	208.6	177.6	159.8	155.2	151.6	150.7	149.8	150.7
77.5°	151.8	158.2	164.6	151.0	130.8	119.4	117.1	115.1	114.2	113.2	114.2
80°	119.0	121.7	124.5	114.9	101.2	93.9	93.0	92.1	91.2	90.3	91.2
82.5°	89.5	88.5	87.6	82.1	75.0	70.9	70.0	68.9	67.3	65.7	67.3
85°	47.2	45.4	43.5	41.7	39.9	37.2	33.5	30.1	27.4	24.6	27.4
87.5°	16.0	17.8	19.9	18.8	16.5	14.7	14.0	13.9	14.3	14.3	14.3
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°	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8
2.5°	1939.5	1938.1	1936.6	1939.9	1947.9	1950.9	1938.4	1926.0	1938.4	1950.9	1947.9
5°	1940.4	1937.4	1935.6	1938.8	1947.0	1949.3	1933.8	1918.3	1933.8	1949.3	1947.0
7.5°	1937.4	1933.2	1930.1	1932.5	1940.5	1942.6	1926.7	1910.9	1926.7	1942.6	1940.5
10°	1932.2	1927.1	1922.6	1924.0	1931.2	1933.3	1919.6	1905.9	1919.6	1933.3	1931.2
12.5°	1920.5	1914.6	1908.5	1908.8	1915.4	1917.1	1904.1	1891.2	1904.1	1917.1	1915.4
15°	1903.0	1895.7	1887.5	1885.2	1888.8	1888.6	1876.8	1864.9	1876.8	1888.6	1888.8
17.5°	1888.3	1878.3	1866.6	1861.0	1861.4	1858.0	1843.6	1829.2	1843.6	1858.0	1861.4
20°	1879.5	1866.3	1851.7	1843.5	1841.7	1836.0	1818.6	1801.3	1818.6	1836.0	1841.7
22.5°	1877.9	1857.5	1835.6	1823.1	1819.8	1812.3	1792.0	1771.8	1792.0	1812.3	1819.8
25°	1879.0	1849.2	1817.3	1794.9	1782.2	1767.6	1747.5	1727.5	1747.5	1767.6	1782.2
27.5°	1866.3	1834.7	1798.8	1767.4	1740.6	1715.5	1695.6	1675.8	1695.6	1715.5	1740.6
30°	1844.6	1812.3	1774.9	1740.2	1708.3	1679.6	1660.4	1641.3	1660.4	1679.6	1708.3
32.5°	1814.7	1780.5	1740.2	1703.0	1668.9	1638.4	1618.5	1598.6	1618.5	1638.4	1668.9
35°	1762.6	1728.8	1686.9	1645.4	1604.4	1568.8	1549.6	1530.5	1549.6	1568.8	1604.4
37.5°	1657.4	1639.6	1616.1	1581.4	1535.4	1495.5	1473.8	1452.1	1473.8	1495.5	1535.4
40°	1562.4	1562.0	1557.4	1533.2	1489.5	1449.6	1421.3	1393.0	1421.3	1449.6	1489.5
42.5°	1432.4	1459.1	1477.2	1470.9	1440.2	1408.2	1371.9	1335.6	1371.9	1408.2	1440.2
45°	1154.1	1232.3	1324.4	1364.5	1352.7	1333.1	1290.2	1247.4	1290.2	1333.1	1352.7
47.5°	969.0	1050.4	1150.5	1211.3	1232.6	1238.0	1195.7	1153.4	1195.7	1238.0	1232.6
50°	866.0	935.5	1020.3	1088.7	1140.7	1169.6	1129.5	1089.4	1129.5	1169.6	1140.7
52.5°	764.4	828.8	902.7	974.7	1045.0	1088.7	1052.9	1017.2	1052.9	1088.7	1045.0
55°	594.5	668.1	754.8	834.1	906.1	954.0	929.4	904.8	929.4	954.0	906.1
57.5°	443.7	529.7	631.5	710.4	766.3	804.0	786.7	769.4	786.7	804.0	766.3
60°	366.6	446.6	546.9	622.1	672.2	706.4	692.8	679.1	692.8	706.4	672.2
62.5°	320.4	384.2	467.0	534.2	585.8	621.5	609.2	597.0	609.2	621.5	585.8
65°	274.7	313.2	364.3	416.7	470.5	507.9	496.0	484.2	496.0	507.9	470.5
67.5°	239.8	259.7	286.0	324.7	376.0	411.2	398.2	385.3	398.2	411.2	376.0
70°	215.0	226.4	240.9	272.4	320.7	353.6	339.9	326.2	339.9	353.6	320.7
72.5°	188.9	196.3	205.8	231.7	274.2	302.9	289.9	277.0	289.9	302.9	274.2
75°	151.6	155.2	159.8	177.6	208.6	229.3	219.3	209.3	219.3	229.3	208.6
77.5°	115.1	117.1	119.4	130.8	151.0	164.6	158.2	151.8	158.2	164.6	151.0
80°	92.1	93.0	93.9	101.2	114.9	124.5	121.7	119.0	121.7	124.5	114.9
82.5°	68.9	70.0	70.9	75.0	82.1	87.6	88.5	89.5	88.5	87.6	82.1
85°	30.1	33.5	37.2	39.9	41.7	43.5	45.4	47.2	45.4	43.5	41.7
87.5°	13.9	14.0	14.7	16.5	18.8	19.9	17.8	16.0	17.8	19.5	19.7
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



TEST NUMBER: P1428148

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L940-UNV-STD-W-WM-4

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



TEST NUMBER: P1428148

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8	1940.8
2.5°	1939.9	1936.6	1938.1	1939.5	1941.0	1942.5	1941.0	1939.5	1938.1	1936.6	1939.9
5°	1938.8	1935.6	1937.4	1940.4	1946.7	1953.1	1946.7	1940.4	1937.4	1935.6	1938.8
7.5°	1932.5	1930.1	1933.2	1937.4	1945.3	1953.1	1945.3	1937.4	1933.2	1930.1	1932.5
10°	1924.0	1922.6	1927.1	1932.2	1938.5	1944.9	1938.5	1932.2	1927.1	1922.6	1924.0
12.5°	1908.8	1908.5	1914.6	1920.5	1926.1	1931.8	1926.1	1920.5	1914.6	1908.5	1908.8
15°	1885.2	1887.5	1895.7	1903.0	1907.5	1912.1	1907.5	1903.0	1895.7	1887.5	1885.2
17.5°	1861.0	1866.6	1878.3	1888.3	1893.0	1897.7	1893.0	1888.3	1878.3	1866.6	1861.0
20°	1843.5	1851.7	1866.3	1879.5	1888.6	1897.7	1888.6	1879.5	1866.3	1851.7	1843.5
22.5°	1823.1	1835.6	1857.5	1877.9	1893.5	1909.2	1893.5	1877.9	1857.5	1835.6	1823.1
25°	1794.9	1817.3	1849.2	1879.0	1902.8	1926.5	1902.8	1879.0	1849.2	1817.3	1794.9
27.5°	1767.4	1798.8	1834.7	1866.3	1885.1	1903.9	1885.1	1866.3	1834.7	1798.8	1767.4
30°	1740.2	1774.9	1812.3	1844.6	1861.9	1879.3	1861.9	1844.6	1812.3	1774.9	1740.2
32.5°	1703.0	1740.2	1780.5	1814.7	1830.6	1846.4	1830.6	1814.7	1780.5	1740.2	1703.0
35°	1645.4	1686.9	1728.8	1762.6	1771.7	1780.8	1771.7	1762.6	1728.8	1686.9	1645.4
37.5°	1581.4	1616.1	1639.6	1657.4	1658.0	1658.5	1658.0	1657.4	1639.6	1616.1	1581.4
40°	1533.2	1557.4	1562.0	1562.4	1550.6	1538.7	1550.6	1562.4	1562.0	1557.4	1533.2
42.5°	1470.9	1477.2	1459.1	1432.4	1379.7	1327.0	1379.7	1432.4	1459.1	1477.2	1470.9
45°	1364.5	1324.4	1232.3	1154.1	1117.7	1081.2	1117.7	1154.1	1232.3	1324.4	1364.5
47.5°	1211.3	1150.5	1050.4	969.0	943.9	918.7	943.9	969.0	1050.4	1150.5	1211.3
50°	1088.7	1020.3	935.5	866.0	842.3	818.6	842.3	866.0	935.5	1020.3	1088.7
52.5°	974.7	902.7	828.8	764.4	728.3	692.2	728.3	764.4	828.8	902.7	974.7
55°	834.1	754.8	668.1	594.5	559.9	525.2	559.9	594.5	668.1	754.8	834.1
57.5°	710.4	631.5	529.7	443.7	404.9	366.0	404.9	443.7	529.7	631.5	710.4
60°	622.1	546.9	446.6	366.6	347.4	328.3	347.4	366.6	446.6	546.9	622.1
62.5°	534.2	467.0	384.2	320.4	313.7	306.9	313.7	320.4	384.2	467.0	534.2
65°	416.7	364.3	313.2	274.7	273.8	272.9	273.8	274.7	313.2	364.3	416.7
67.5°	324.7	286.0	259.7	239.8	238.7	237.6	238.7	239.8	259.7	286.0	324.7
70°	272.4	240.9	226.4	215.0	213.1	211.3	213.1	215.0	226.4	240.9	272.4
72.5°	231.7	205.8	196.3	188.9	187.8	186.7	187.8	188.9	196.3	205.8	231.7
75°	177.6	159.8	155.2	151.6	150.7	149.8	150.7	151.6	155.2	159.8	177.6
77.5°	130.8	119.4	117.1	115.1	114.2	113.2	114.2	115.1	117.1	119.4	130.8
80°	101.2	93.9	93.0	92.1	91.2	90.3	91.2	92.1	93.0	93.9	101.2
82.5°	75.0	70.9	70.0	68.9	67.3	65.7	67.3	68.9	70.0	70.9	75.0
85°	39.9	37.2	33.5	30.1	27.4	24.6	27.4	30.1	33.5	37.2	39.9
87.5°	18.2	19.0	21.2	22.4	24.1	23.2	24.1	22.4	21.2	19.0	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: P1428148

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-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: P1428148

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1940.8	1940.8	1940.8	1940.8
2.5°	1947.9	1950.9	1938.4	1926.0
5°	1947.0	1949.3	1933.8	1918.3
7.5°	1940.5	1942.6	1926.7	1910.9
10°	1931.2	1933.3	1919.6	1905.9
12.5°	1915.4	1917.1	1904.1	1891.2
15°	1888.8	1888.6	1876.8	1864.9
17.5°	1861.4	1858.0	1843.6	1829.2
20°	1841.7	1836.0	1818.6	1801.3
22.5°	1819.8	1812.3	1792.0	1771.8
25°	1782.2	1767.6	1747.5	1727.5
27.5°	1740.6	1715.5	1695.6	1675.8
30°	1708.3	1679.6	1660.4	1641.3
32.5°	1668.9	1638.4	1618.5	1598.6
35°	1604.4	1568.8	1549.6	1530.5
37.5°	1535.4	1495.5	1473.8	1452.1
40°	1489.5	1449.6	1421.3	1393.0
42.5°	1440.2	1408.2	1371.9	1335.6
45°	1352.7	1333.1	1290.2	1247.4
47.5°	1232.6	1238.0	1195.7	1153.4
50°	1140.7	1169.6	1129.5	1089.4
52.5°	1045.0	1088.7	1052.9	1017.2
55°	906.1	954.0	929.4	904.8
57.5°	766.3	804.0	786.7	769.4
60°	672.2	706.4	692.8	679.1
62.5°	585.8	621.5	609.2	597.0
65°	470.5	507.9	496.0	484.2
67.5°	376.0	411.2	398.2	385.3
70°	320.7	353.6	339.9	326.2
72.5°	274.2	302.9	289.9	277.0
75°	208.6	229.3	219.3	209.3
77.5°	151.0	164.6	158.2	151.8
80°	114.9	124.5	121.7	119.0
82.5°	82.1	87.6	88.5	89.5
85°	41.7	43.5	45.4	47.2
87.5°	19.7	19.5	17.8	16.0
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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CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L940-UNV-STD-W-WM-4

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: P1428148
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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	18.87	19.65	19.88	20.67	22.02	14.64	15.42	15.65	16.44	17.79
	3H	19.92	20.62	20.94	21.65	23.02	15.94	16.64	16.96	17.67	19.04
	4H	20.29	20.95	21.32	21.98	23.36	16.49	17.16	17.53	18.19	19.57
	6H	20.48	21.09	21.52	22.12	23.51	16.85	17.47	17.90	18.50	19.89
	8H	20.54	21.12	21.58	22.16	23.55	16.98	17.56	18.03	18.61	20.00
	12H	20.55	21.11	21.61	22.15	23.56	17.01	17.57	18.07	18.61	20.02
4H	2H	18.98	19.64	20.02	20.67	22.05	15.54	16.20	16.58	17.23	18.61
	3H	20.26	20.81	21.31	21.87	23.26	16.95	17.50	18.00	18.56	19.95
	4H	20.77	21.27	21.82	22.32	23.74	17.57	18.07	18.63	19.12	20.54
	6H	21.08	21.51	22.14	22.58	23.99	18.01	18.45	19.08	19.52	20.93
	8H	21.19	21.59	22.25	22.65	24.08	18.18	18.59	19.25	19.65	21.07
	12H	21.23	21.59	22.31	22.67	24.10	18.23	18.59	19.31	19.67	21.10
8H	4H	20.78	21.18	21.85	22.25	23.67	17.88	18.28	18.94	19.34	20.77
	6H	21.19	21.52	22.28	22.63	24.05	18.43	18.77	19.52	19.87	21.29
	8H	21.37	21.66	22.47	22.75	24.20	18.68	18.97	19.77	20.06	21.50
	12H	21.47	21.72	22.56	22.81	24.29	18.78	19.04	19.87	20.12	21.60
12H	4H	20.74	21.10	21.82	22.18	23.61	17.88	18.25	18.97	19.33	20.76
	6H	21.18	21.48	22.28	22.57	24.01	18.50	18.79	19.59	19.88	21.32
	8H	21.38	21.63	22.47	22.72	24.20	18.77	19.03	19.87	20.11	21.59