

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: P1428144

Luminaire Tested: SQ2W-PP3-K-150U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428144
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-L835-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

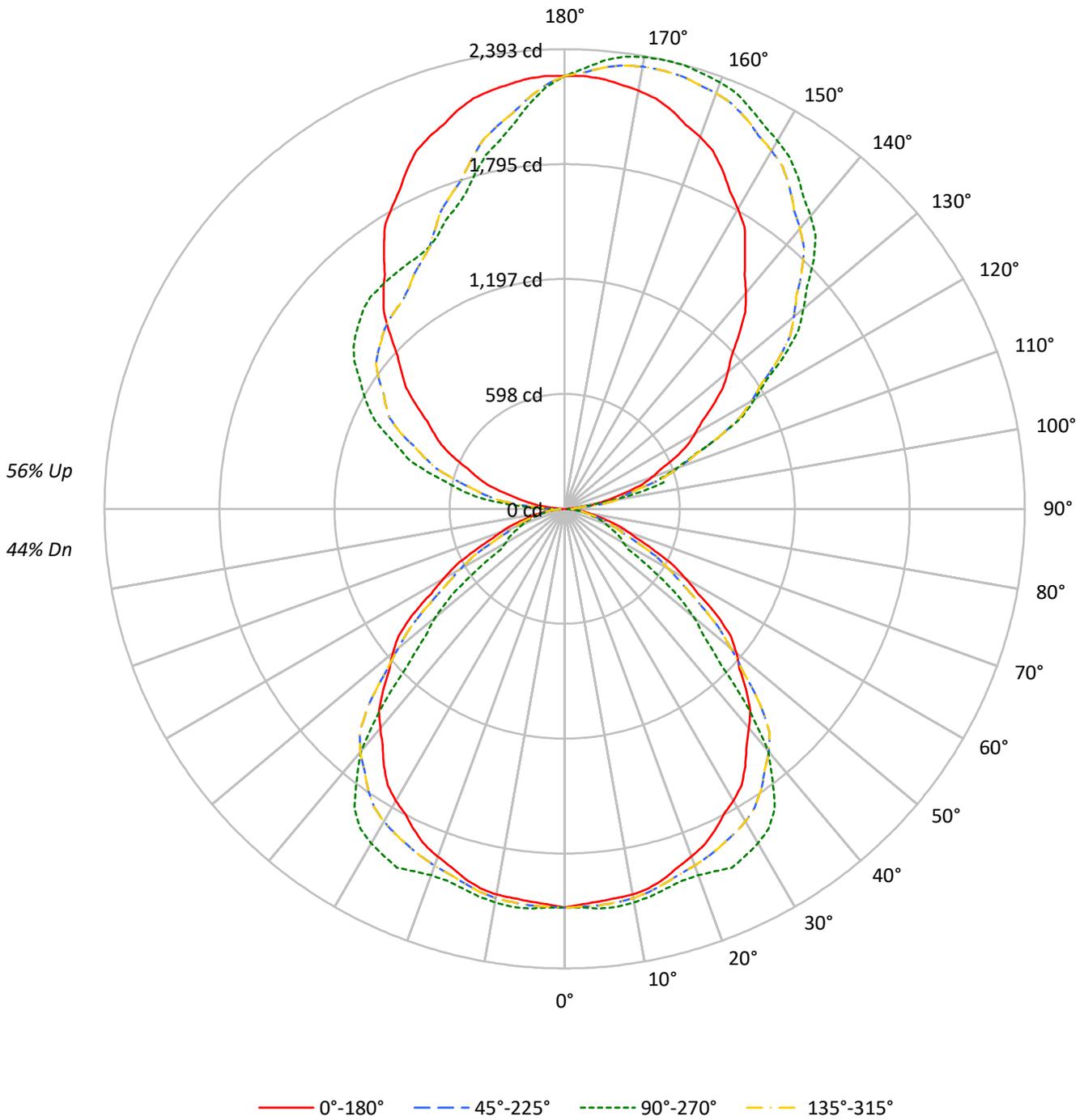
Lumens per Lamp: N/A
Luminaire Lumens: 11818.7 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

TEST NUMBER: P1428144

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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	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°	33525	33525	33525	33525
5°	33262	33867	33262	33867
10°	33430	34114	33430	34114
15°	33350	34194	33350	34194
20°	33113	34884	33113	34884
25°	32923	36716	32923	36716
30°	32736	37484	32736	37484
35°	32273	37552	32273	37552
40°	31412	34696	31412	34696
45°	30471	26411	30471	26411
50°	29275	21998	29275	21998
55°	27248	15817	27248	15817
60°	23459	11341	23459	11341
65°	19789	11152	19789	11152
70°	16475	10673	16475	10673
75°	13967	9994	13967	9994
80°	11836	8982	11836	8982
85°	9355	4872	9355	4872

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 33334 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.7	1.7
10°-20°	572.2	4.8
20°-30°	896.5	7.6
30°-40°	1105.9	9.4
40°-50°	1041.1	8.8
50°-60°	737.2	6.2
60°-70°	420.1	3.6
70°-80°	207.9	1.8
80°-90°	60.1	0.5
90°-100°	179.4	1.5
100°-110°	523.0	4.4
110°-120°	853.6	7.2
120°-130°	1083.1	9.2
130°-140°	1158.9	9.8
140°-150°	1082.2	9.2
150°-160°	890.5	7.5
160°-170°	597.2	5.1
170°-180°	212.1	1.8
0°-30°	1666.4	14.1
0°-40°	2772.3	23.5
0°-60°	4550.6	38.5
0°-90°	5238.7	44.3
90°-120°	1556.0	13.2
90°-150°	4880.2	41.3
90°-180°	6580.0	55.7
0°-180°	11818.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2076	2076	2076	2076	2076	
5°	2052	2090	2052	2090	2052	196
15°	1995	2046	1995	2046	1995	562
25°	1848	2061	1848	2061	1848	851
35°	1637	1905	1637	1905	1637	1021
45°	1334	1157	1334	1157	1334	1027
55°	968	562	968	562	968	854
65°	518	292	518	292	518	520
75°	224	160	224	160	224	243
85°	50	26	50	26	50	59
90°	7	50	7	98	7	8
95°	71	52	71	307	71	85
105°	332	533	332	733	332	353
115°	637	883	637	1088	637	628
125°	942	1400	942	1334	942	843
135°	1282	1832	1282	1477	1282	990
145°	1637	2112	1637	1509	1637	1024
155°	1944	2294	1944	1566	1944	894
165°	2149	2392	2149	1803	2149	605
175°	2247	2342	2247	2115	2247	213
180°	2254	2254	2254	2254	2254	



TEST NUMBER: P1428144

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2060.6	2073.9	2087.1	2084.0	2075.4	2071.9	2073.5	2075.0	2076.6	2078.2	2076.6
5°	2052.3	2068.8	2085.4	2083.0	2074.2	2070.8	2072.8	2075.9	2082.7	2089.6	2082.7
7.5°	2044.4	2061.3	2078.3	2076.1	2067.5	2064.9	2068.2	2072.8	2081.2	2089.6	2081.2
10°	2039.1	2053.7	2068.4	2066.2	2058.4	2056.9	2061.8	2067.1	2074.0	2080.8	2074.0
12.5°	2023.3	2037.1	2051.0	2049.2	2042.2	2041.9	2048.3	2054.7	2060.7	2066.8	2060.7
15°	1995.2	2007.9	2020.6	2020.8	2016.9	2019.3	2028.1	2035.9	2040.8	2045.7	2040.8
17.5°	1957.0	1972.4	1987.8	1991.4	1991.0	1997.0	2009.5	2020.2	2025.2	2030.3	2025.2
20°	1927.2	1945.7	1964.2	1970.3	1972.3	1981.1	1996.7	2010.8	2020.6	2030.3	2020.6
22.5°	1895.5	1917.2	1938.9	1946.9	1950.4	1963.9	1987.3	2009.0	2025.8	2042.6	2025.8
25°	1848.1	1869.6	1891.1	1906.7	1920.3	1944.2	1978.4	2010.3	2035.7	2061.0	2035.7
27.5°	1792.8	1814.1	1835.4	1862.2	1890.9	1924.4	1962.9	1996.7	2016.8	2036.9	2016.8
30°	1755.9	1776.4	1796.9	1827.6	1861.8	1898.9	1938.9	1973.5	1992.0	2010.6	1992.0
32.5°	1710.3	1731.6	1752.8	1785.5	1822.0	1861.8	1904.9	1941.5	1958.5	1975.4	1958.5
35°	1637.4	1657.9	1678.4	1716.4	1760.3	1804.7	1849.6	1885.7	1895.4	1905.2	1895.4
37.5°	1553.6	1576.8	1600.0	1642.7	1691.9	1729.0	1754.2	1773.2	1773.8	1774.4	1773.8
40°	1490.4	1520.6	1550.8	1593.5	1640.3	1666.2	1671.1	1671.6	1658.9	1646.2	1658.9
42.5°	1428.9	1467.7	1506.6	1540.8	1573.6	1580.4	1561.0	1532.5	1476.1	1419.7	1476.1
45°	1334.5	1380.4	1426.2	1447.2	1459.9	1417.0	1318.4	1234.8	1195.8	1156.7	1195.8
47.5°	1234.0	1279.3	1324.5	1318.7	1295.9	1230.9	1123.8	1036.7	1009.8	982.9	1009.8
50°	1165.5	1208.4	1251.4	1220.4	1164.8	1091.6	1000.9	926.5	901.1	875.8	901.1
52.5°	1088.2	1126.5	1164.7	1118.0	1042.8	965.8	886.8	817.8	779.2	740.6	779.2
55°	968.0	994.3	1020.6	969.4	892.4	807.5	714.8	636.0	599.0	561.9	599.0
57.5°	823.1	841.6	860.2	819.9	760.0	675.6	566.7	474.7	433.1	391.6	433.1
60°	726.5	741.2	755.8	719.2	665.6	585.1	477.8	392.2	371.7	351.2	371.7
62.5°	638.7	651.8	664.9	626.7	571.5	499.6	411.0	342.8	335.6	328.4	335.6
65°	518.0	530.7	543.4	503.4	445.8	389.7	335.1	293.9	292.9	291.9	292.9
67.5°	412.2	426.1	439.9	402.3	347.4	306.0	277.9	256.5	255.3	254.2	255.3
70°	349.0	363.6	378.3	343.1	291.4	257.8	242.2	230.0	228.0	226.1	228.0
72.5°	296.3	310.2	324.0	293.4	247.9	220.1	210.0	202.1	200.9	199.7	200.9
75°	223.9	234.6	245.3	223.2	190.0	171.0	166.1	162.2	161.2	160.2	161.2
77.5°	162.4	169.3	176.1	161.5	139.9	127.8	125.3	123.1	122.1	121.2	122.1
80°	127.3	130.2	133.2	122.9	108.3	100.5	99.5	98.5	97.6	96.6	97.6
82.5°	95.7	94.7	93.7	87.8	80.2	75.9	74.9	73.7	72.0	70.2	72.0
85°	50.5	48.5	46.6	44.6	42.7	39.8	35.9	32.2	29.3	26.3	29.3
87.5°	17.2	19.0	21.3	20.2	17.6	15.7	15.0	14.8	15.3	15.3	15.3
90°	6.8	15.9	27.3	36.4	43.3	45.5	45.5	47.8	50.1	50.1	50.1
92.5°	25.0	39.6	40.1	40.1	48.7	52.8	56.5	56.9	59.2	59.2	59.2
95°	70.6	77.4	116.1	113.8	77.4	61.5	52.4	52.4	52.4	52.4	52.4
97.5°	134.8	144.8	151.1	202.6	214.0	206.7	168.4	141.6	126.6	119.7	126.6
100°	191.2	195.8	209.4	211.7	268.6	323.2	295.9	261.8	250.4	243.6	250.4
102.5°	247.7	250.4	271.3	280.9	294.1	325.1	419.8	409.3	401.5	400.2	401.5
105°	332.3	334.6	373.3	391.5	400.6	400.6	398.4	443.9	516.7	532.7	516.7
107.5°	422.9	433.4	478.9	527.7	538.1	540.9	529.0	522.2	519.5	521.3	519.5
110°	484.9	500.8	555.4	616.9	632.8	637.4	632.8	626.0	621.4	621.4	621.4



TEST NUMBER: P1428144

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	545.0	568.2	630.1	700.7	727.5	741.2	731.2	726.1	721.6	725.2	721.6
115°	637.4	671.5	753.5	826.3	880.9	887.8	885.5	885.5	883.2	883.2	883.2
117.5°	723.0	777.6	869.6	954.2	1017.5	1035.7	1044.8	1042.1	1039.4	1043.9	1039.4
120°	783.1	846.8	951.5	1047.1	1108.6	1135.9	1145.0	1140.4	1145.0	1140.4	1145.0
122.5°	846.8	925.1	1028.0	1127.2	1199.6	1230.6	1241.5	1242.4	1243.3	1240.6	1243.3
125°	942.4	1038.0	1158.6	1261.1	1336.2	1372.6	1381.7	1384.0	1388.6	1399.9	1388.6
127.5°	1038.9	1147.3	1279.7	1378.5	1455.5	1499.6	1513.8	1518.8	1528.3	1533.3	1528.3
130°	1106.3	1229.2	1363.5	1456.8	1532.0	1579.8	1604.8	1611.6	1623.0	1620.7	1623.0
132.5°	1177.3	1305.7	1441.8	1538.8	1608.4	1659.9	1681.3	1700.9	1705.0	1708.2	1705.0
135°	1281.6	1420.4	1557.0	1652.6	1718.6	1768.7	1796.0	1814.2	1825.6	1832.4	1825.6
137.5°	1391.3	1537.9	1669.0	1754.1	1820.6	1863.9	1894.8	1913.9	1925.8	1931.2	1925.8
140°	1466.0	1607.1	1734.6	1823.3	1882.5	1925.8	1953.1	1975.8	1989.5	1989.5	1989.5
142.5°	1537.0	1676.3	1800.1	1888.9	1940.8	1980.4	2009.5	2026.8	2042.3	2042.3	2042.3
145°	1636.7	1775.5	1889.3	1978.1	2021.4	2057.8	2089.7	2103.3	2112.4	2112.4	2112.4
147.5°	1740.9	1863.9	1967.7	2052.8	2089.2	2132.0	2157.0	2168.0	2179.4	2174.3	2179.4
150°	1802.8	1916.7	2016.8	2096.5	2132.9	2173.9	2198.9	2208.0	2219.4	2212.6	2219.4
152.5°	1862.9	1971.3	2062.3	2136.6	2167.5	2208.5	2237.2	2246.3	2254.0	2249.0	2254.0
155°	1944.0	2039.6	2123.8	2192.1	2219.4	2258.1	2285.4	2296.8	2305.9	2294.5	2305.9
157.5°	2016.4	2098.8	2172.1	2234.9	2264.0	2297.3	2322.8	2336.9	2346.0	2341.0	2346.0
160°	2060.1	2135.2	2201.2	2260.4	2287.7	2317.3	2344.6	2360.5	2369.7	2362.8	2369.7
162.5°	2096.5	2164.3	2226.7	2280.4	2304.1	2330.0	2362.8	2376.9	2386.0	2377.4	2386.0
165°	2148.8	2203.5	2258.1	2303.6	2324.1	2344.6	2378.8	2394.7	2401.5	2392.4	2401.5
167.5°	2188.5	2230.3	2274.5	2313.7	2328.7	2348.7	2382.9	2396.1	2404.7	2393.3	2404.7
170°	2210.3	2246.7	2285.4	2317.3	2328.7	2346.9	2381.0	2392.4	2399.2	2387.9	2399.2
172.5°	2228.5	2255.8	2287.2	2315.5	2321.4	2336.0	2368.3	2379.7	2384.7	2375.1	2384.7
175°	2246.7	2262.7	2285.4	2303.6	2301.4	2310.5	2337.8	2346.9	2356.0	2342.3	2356.0
177.5°	2255.4	2262.7	2269.9	2280.9	2273.6	2273.6	2293.6	2299.1	2300.9	2293.6	2300.9
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2075.0	2073.5	2071.9	2075.4	2084.0	2087.1	2073.9	2060.6	2073.9	2087.1	2084.0
5°	2075.9	2072.8	2070.8	2074.2	2083.0	2085.4	2068.8	2052.3	2068.8	2085.4	2083.0
7.5°	2072.8	2068.2	2064.9	2067.5	2076.1	2078.3	2061.3	2044.4	2061.3	2078.3	2076.1
10°	2067.1	2061.8	2056.9	2058.4	2066.2	2068.4	2053.7	2039.1	2053.7	2068.4	2066.2
12.5°	2054.7	2048.3	2041.9	2042.2	2049.2	2051.0	2037.1	2023.3	2037.1	2051.0	2049.2
15°	2035.9	2028.1	2019.3	2016.9	2020.8	2020.6	2007.9	1995.2	2007.9	2020.6	2020.8
17.5°	2020.2	2009.5	1997.0	1991.0	1991.4	1987.8	1972.4	1957.0	1972.4	1987.8	1991.4
20°	2010.8	1996.7	1981.1	1972.3	1970.3	1964.2	1945.7	1927.2	1945.7	1964.2	1970.3
22.5°	2009.0	1987.3	1963.9	1950.4	1946.9	1938.9	1917.2	1895.5	1917.2	1938.9	1946.9
25°	2010.3	1978.4	1944.2	1920.3	1906.7	1891.1	1869.6	1848.1	1869.6	1891.1	1906.7
27.5°	1996.7	1962.9	1924.4	1890.9	1862.2	1835.4	1814.1	1792.8	1814.1	1835.4	1862.2
30°	1973.5	1938.9	1898.9	1861.8	1827.6	1796.9	1776.4	1755.9	1776.4	1796.9	1827.6
32.5°	1941.5	1904.9	1861.8	1822.0	1785.5	1752.8	1731.6	1710.3	1731.6	1752.8	1785.5
35°	1885.7	1849.6	1804.7	1760.3	1716.4	1678.4	1657.9	1637.4	1657.9	1678.4	1716.4
37.5°	1773.2	1754.2	1729.0	1691.9	1642.7	1600.0	1576.8	1553.6	1576.8	1600.0	1642.7
40°	1671.6	1671.1	1666.2	1640.3	1593.5	1550.8	1520.6	1490.4	1520.6	1550.8	1593.5
42.5°	1532.5	1561.0	1580.4	1573.6	1540.8	1506.6	1467.7	1428.9	1467.7	1506.6	1540.8
45°	1234.8	1318.4	1417.0	1459.9	1447.2	1426.2	1380.4	1334.5	1380.4	1426.2	1447.2
47.5°	1036.7	1123.8	1230.9	1295.9	1318.7	1324.5	1279.3	1234.0	1279.3	1324.5	1318.7
50°	926.5	1000.9	1091.6	1164.8	1220.4	1251.4	1208.4	1165.5	1208.4	1251.4	1220.4
52.5°	817.8	886.8	965.8	1042.8	1118.0	1164.7	1126.5	1088.2	1126.5	1164.7	1118.0
55°	636.0	714.8	807.5	892.4	969.4	1020.6	994.3	968.0	994.3	1020.6	969.4
57.5°	474.7	566.7	675.6	760.0	819.9	860.2	841.6	823.1	841.6	860.2	819.9
60°	392.2	477.8	585.1	665.6	719.2	755.8	741.2	726.5	741.2	755.8	719.2
62.5°	342.8	411.0	499.6	571.5	626.7	664.9	651.8	638.7	651.8	664.9	626.7
65°	293.9	335.1	389.7	445.8	503.4	543.4	530.7	518.0	530.7	543.4	503.4
67.5°	256.5	277.9	306.0	347.4	402.3	439.9	426.1	412.2	426.1	439.9	402.3
70°	230.0	242.2	257.8	291.4	343.1	378.3	363.6	349.0	363.6	378.3	343.1
72.5°	202.1	210.0	220.1	247.9	293.4	324.0	310.2	296.3	310.2	324.0	293.4
75°	162.2	166.1	171.0	190.0	223.2	245.3	234.6	223.9	234.6	245.3	223.2
77.5°	123.1	125.3	127.8	139.9	161.5	176.1	169.3	162.4	169.3	176.1	161.5
80°	98.5	99.5	100.5	108.3	122.9	133.2	130.2	127.3	130.2	133.2	122.9
82.5°	73.7	74.9	75.9	80.2	87.8	93.7	94.7	95.7	94.7	93.7	87.8
85°	32.2	35.9	39.8	42.7	44.6	46.6	48.5	50.5	48.5	46.6	44.6
87.5°	14.8	15.0	15.7	17.6	20.2	21.3	19.0	17.2	19.0	20.8	21.1
90°	47.8	45.5	45.5	43.3	36.4	27.3	15.9	6.8	15.9	25.0	41.0
92.5°	56.9	56.5	52.8	48.7	40.1	40.1	39.6	25.0	43.3	61.5	88.3
95°	52.4	52.4	61.5	77.4	113.8	116.1	77.4	70.6	100.2	141.1	177.6
97.5°	141.6	168.4	206.7	214.0	202.6	151.1	144.8	134.8	183.5	224.0	282.7
100°	261.8	295.9	323.2	268.6	211.7	209.4	195.8	191.2	243.6	282.3	339.2
102.5°	409.3	419.8	325.1	294.1	280.9	271.3	250.4	247.7	300.0	353.3	401.1
105°	443.9	398.4	400.6	400.6	391.5	373.3	334.6	332.3	391.5	453.0	512.2
107.5°	522.2	529.0	540.9	538.1	527.7	478.9	433.4	422.9	476.2	550.0	615.1
110°	626.0	632.8	637.4	632.8	616.9	555.4	500.8	484.9	532.7	610.1	680.6



TEST NUMBER: P1428144

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	726.1	731.2	741.2	727.5	700.7	630.1	568.2	545.0	592.8	672.0	744.4
115°	885.5	885.5	887.8	880.9	826.3	753.5	671.5	637.4	678.3	751.2	830.9
117.5°	1042.1	1044.8	1035.7	1017.5	954.2	869.6	777.6	723.0	755.3	832.2	914.2
120°	1140.4	1145.0	1135.9	1108.6	1047.1	951.5	846.8	783.1	808.1	883.2	965.2
122.5°	1242.4	1241.5	1230.6	1199.6	1127.2	1028.0	925.1	846.8	857.3	926.9	1007.0
125°	1384.0	1381.7	1372.6	1336.2	1261.1	1158.6	1038.0	942.4	928.7	987.9	1069.9
127.5°	1518.8	1513.8	1499.6	1455.5	1378.5	1279.7	1147.3	1038.9	1008.4	1045.7	1120.9
130°	1611.6	1604.8	1579.8	1532.0	1456.8	1363.5	1229.2	1106.3	1063.0	1085.8	1151.8
132.5°	1700.9	1681.3	1659.9	1608.4	1538.8	1441.8	1305.7	1177.3	1117.7	1127.7	1179.1
135°	1814.2	1796.0	1768.7	1718.6	1652.6	1557.0	1420.4	1281.6	1199.6	1190.5	1220.1
137.5°	1913.9	1894.8	1863.9	1820.6	1754.1	1669.0	1537.9	1391.3	1287.9	1257.4	1268.8
140°	1975.8	1953.1	1925.8	1882.5	1823.3	1734.6	1607.1	1466.0	1349.9	1306.6	1299.8
142.5°	2026.8	2009.5	1980.4	1940.8	1888.9	1800.1	1676.3	1537.0	1413.6	1357.6	1341.7
145°	2103.3	2089.7	2057.8	2021.4	1978.1	1889.3	1775.5	1636.7	1513.8	1440.9	1406.8
147.5°	2168.0	2157.0	2132.0	2089.2	2052.8	1967.7	1863.9	1740.9	1614.8	1524.7	1480.5
150°	2208.0	2198.9	2173.9	2132.9	2096.5	2016.8	1916.7	1802.8	1682.2	1586.6	1529.7
152.5°	2246.3	2237.2	2208.5	2167.5	2136.6	2062.3	1971.3	1862.9	1740.5	1644.9	1586.1
155°	2296.8	2285.4	2258.1	2219.4	2192.1	2123.8	2039.6	1944.0	1839.3	1739.1	1673.1
157.5°	2336.9	2322.8	2297.3	2264.0	2234.9	2172.1	2098.8	2016.4	1924.9	1829.3	1761.9
160°	2360.5	2344.6	2317.3	2287.7	2260.4	2201.2	2135.2	2060.1	1975.8	1889.3	1816.5
162.5°	2376.9	2362.8	2330.0	2304.1	2280.4	2226.7	2164.3	2096.5	2021.4	1945.8	1878.4
165°	2394.7	2378.8	2344.6	2324.1	2303.6	2258.1	2203.5	2148.8	2085.1	2023.7	1969.0
167.5°	2396.1	2382.9	2348.7	2328.7	2313.7	2274.5	2230.3	2188.5	2138.8	2090.6	2045.0
170°	2392.4	2381.0	2346.9	2328.7	2317.3	2285.4	2246.7	2210.3	2171.6	2130.6	2094.2
172.5°	2379.7	2368.3	2336.0	2321.4	2315.5	2287.2	2255.8	2228.5	2195.3	2165.2	2136.1
175°	2346.9	2337.8	2310.5	2301.4	2303.6	2285.4	2262.7	2246.7	2226.2	2208.0	2192.1
177.5°	2299.1	2293.6	2273.6	2273.6	2280.9	2269.9	2262.7	2255.4	2246.3	2240.8	2235.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1428144

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4	2076.4
2.5°	2075.4	2071.9	2073.5	2075.0	2076.6	2078.2	2076.6	2075.0	2073.5	2071.9	2075.4
5°	2074.2	2070.8	2072.8	2075.9	2082.7	2089.6	2082.7	2075.9	2072.8	2070.8	2074.2
7.5°	2067.5	2064.9	2068.2	2072.8	2081.2	2089.6	2081.2	2072.8	2068.2	2064.9	2067.5
10°	2058.4	2056.9	2061.8	2067.1	2074.0	2080.8	2074.0	2067.1	2061.8	2056.9	2058.4
12.5°	2042.2	2041.9	2048.3	2054.7	2060.7	2066.8	2060.7	2054.7	2048.3	2041.9	2042.2
15°	2016.9	2019.3	2028.1	2035.9	2040.8	2045.7	2040.8	2035.9	2028.1	2019.3	2016.9
17.5°	1991.0	1997.0	2009.5	2020.2	2025.2	2030.3	2025.2	2020.2	2009.5	1997.0	1991.0
20°	1972.3	1981.1	1996.7	2010.8	2020.6	2030.3	2020.6	2010.8	1996.7	1981.1	1972.3
22.5°	1950.4	1963.9	1987.3	2009.0	2025.8	2042.6	2025.8	2009.0	1987.3	1963.9	1950.4
25°	1920.3	1944.2	1978.4	2010.3	2035.7	2061.0	2035.7	2010.3	1978.4	1944.2	1920.3
27.5°	1890.9	1924.4	1962.9	1996.7	2016.8	2036.9	2016.8	1996.7	1962.9	1924.4	1890.9
30°	1861.8	1898.9	1938.9	1973.5	1992.0	2010.6	1992.0	1973.5	1938.9	1898.9	1861.8
32.5°	1822.0	1861.8	1904.9	1941.5	1958.5	1975.4	1958.5	1941.5	1904.9	1861.8	1822.0
35°	1760.3	1804.7	1849.6	1885.7	1895.4	1905.2	1895.4	1885.7	1849.6	1804.7	1760.3
37.5°	1691.9	1729.0	1754.2	1773.2	1773.8	1774.4	1773.8	1773.2	1754.2	1729.0	1691.9
40°	1640.3	1666.2	1671.1	1671.6	1658.9	1646.2	1658.9	1671.6	1671.1	1666.2	1640.3
42.5°	1573.6	1580.4	1561.0	1532.5	1476.1	1419.7	1476.1	1532.5	1561.0	1580.4	1573.6
45°	1459.9	1417.0	1318.4	1234.8	1195.8	1156.7	1195.8	1234.8	1318.4	1417.0	1459.9
47.5°	1295.9	1230.9	1123.8	1036.7	1009.8	982.9	1009.8	1036.7	1123.8	1230.9	1295.9
50°	1164.8	1091.6	1000.9	926.5	901.1	875.8	901.1	926.5	1000.9	1091.6	1164.8
52.5°	1042.8	965.8	886.8	817.8	779.2	740.6	779.2	817.8	886.8	965.8	1042.8
55°	892.4	807.5	714.8	636.0	599.0	561.9	599.0	636.0	714.8	807.5	892.4
57.5°	760.0	675.6	566.7	474.7	433.1	391.6	433.1	474.7	566.7	675.6	760.0
60°	665.6	585.1	477.8	392.2	371.7	351.2	371.7	392.2	477.8	585.1	665.6
62.5°	571.5	499.6	411.0	342.8	335.6	328.4	335.6	342.8	411.0	499.6	571.5
65°	445.8	389.7	335.1	293.9	292.9	291.9	292.9	293.9	335.1	389.7	445.8
67.5°	347.4	306.0	277.9	256.5	255.3	254.2	255.3	256.5	277.9	306.0	347.4
70°	291.4	257.8	242.2	230.0	228.0	226.1	228.0	230.0	242.2	257.8	291.4
72.5°	247.9	220.1	210.0	202.1	200.9	199.7	200.9	202.1	210.0	220.1	247.9
75°	190.0	171.0	166.1	162.2	161.2	160.2	161.2	162.2	166.1	171.0	190.0
77.5°	139.9	127.8	125.3	123.1	122.1	121.2	122.1	123.1	125.3	127.8	139.9
80°	108.3	100.5	99.5	98.5	97.6	96.6	97.6	98.5	99.5	100.5	108.3
82.5°	80.2	75.9	74.9	73.7	72.0	70.2	72.0	73.7	74.9	75.9	80.2
85°	42.7	39.8	35.9	32.2	29.3	26.3	29.3	32.2	35.9	39.8	42.7
87.5°	19.4	20.3	22.7	23.9	25.8	24.8	25.8	23.9	22.7	20.3	19.4
90°	52.4	68.3	84.2	93.3	102.4	97.9	102.4	93.3	84.2	68.3	52.4
92.5°	105.2	132.0	151.6	168.0	175.3	174.4	175.3	168.0	151.6	132.0	105.2
95°	211.7	243.6	275.4	298.2	311.9	307.3	311.9	298.2	275.4	243.6	211.7
97.5°	326.4	369.2	404.7	426.1	439.8	448.9	439.8	426.1	404.7	369.2	326.4
100°	402.9	443.9	484.9	509.9	532.7	541.8	532.7	509.9	484.9	443.9	402.9
102.5°	464.8	518.5	563.2	590.0	609.1	618.2	609.1	590.0	563.2	518.5	464.8
105°	566.8	623.7	671.5	705.7	726.1	733.0	726.1	705.7	671.5	623.7	566.8
107.5°	668.8	727.5	771.7	809.5	834.5	849.1	834.5	809.5	771.7	727.5	668.8
110°	748.9	796.7	844.5	878.7	903.7	912.8	903.7	878.7	844.5	796.7	748.9



TEST NUMBER: P1428144

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	816.3	869.6	917.4	951.5	980.2	992.9	980.2	951.5	917.4	869.6	816.3
115°	910.5	981.1	1024.3	1056.2	1076.7	1088.1	1076.7	1056.2	1024.3	981.1	910.5
117.5°	988.8	1062.6	1109.9	1134.5	1144.1	1152.3	1144.1	1134.5	1109.9	1062.6	988.8
120°	1038.0	1106.3	1160.9	1192.8	1204.2	1208.7	1204.2	1192.8	1160.9	1106.3	1038.0
122.5°	1083.5	1148.2	1201.0	1240.1	1258.8	1263.4	1258.8	1240.1	1201.0	1148.2	1083.5
125°	1147.3	1208.7	1263.4	1302.1	1322.5	1333.9	1322.5	1302.1	1263.4	1208.7	1147.3
127.5°	1202.8	1269.3	1319.4	1354.4	1374.4	1383.5	1374.4	1354.4	1319.4	1269.3	1202.8
130°	1233.8	1302.1	1352.1	1390.8	1409.0	1418.1	1409.0	1390.8	1352.1	1302.1	1233.8
132.5°	1257.4	1329.4	1381.3	1416.3	1436.4	1445.5	1436.4	1416.3	1381.3	1329.4	1257.4
135°	1286.1	1361.2	1415.9	1450.0	1468.2	1477.3	1468.2	1450.0	1415.9	1361.2	1286.1
137.5°	1311.2	1379.5	1436.4	1472.3	1488.7	1494.6	1488.7	1472.3	1436.4	1379.5	1311.2
140°	1329.4	1388.6	1445.5	1479.6	1497.8	1500.1	1497.8	1479.6	1445.5	1388.6	1329.4
142.5°	1353.0	1399.5	1449.1	1483.3	1501.5	1505.6	1501.5	1483.3	1449.1	1399.5	1353.0
145°	1395.4	1422.7	1456.8	1488.7	1504.6	1509.2	1504.6	1488.7	1456.8	1422.7	1395.4
147.5°	1448.7	1457.3	1475.1	1496.0	1511.5	1514.7	1511.5	1496.0	1475.1	1457.3	1448.7
150°	1488.7	1486.4	1493.3	1506.9	1520.6	1518.3	1520.6	1506.9	1493.3	1486.4	1488.7
152.5°	1534.2	1521.0	1520.6	1527.0	1533.3	1532.9	1533.3	1527.0	1520.6	1521.0	1534.2
155°	1611.6	1586.6	1572.9	1568.4	1568.4	1566.1	1568.4	1568.4	1572.9	1586.6	1611.6
157.5°	1696.8	1661.7	1641.2	1630.3	1627.1	1622.1	1627.1	1630.3	1641.2	1661.7	1696.8
160°	1755.0	1716.3	1695.9	1677.6	1670.8	1664.0	1670.8	1677.6	1695.9	1716.3	1755.0
162.5°	1809.7	1772.8	1750.5	1734.1	1727.3	1716.8	1727.3	1734.1	1750.5	1772.8	1809.7
165°	1898.5	1859.8	1834.7	1821.1	1812.0	1802.8	1812.0	1821.1	1834.7	1859.8	1898.5
167.5°	1987.2	1944.9	1928.5	1913.0	1904.4	1888.0	1904.4	1913.0	1928.5	1944.9	1987.2
170°	2041.9	2003.2	1994.1	1980.4	1964.5	1946.3	1964.5	1980.4	1994.1	2003.2	2041.9
172.5°	2089.2	2063.3	2054.2	2040.5	2035.5	2020.9	2035.5	2040.5	2054.2	2063.3	2089.2
175°	2158.0	2137.5	2137.5	2135.2	2128.4	2114.7	2128.4	2135.2	2137.5	2137.5	2158.0
177.5°	2215.3	2204.4	2211.7	2211.7	2209.9	2197.1	2209.9	2211.7	2211.7	2204.4	2215.3
180°	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1428144

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2076.4	2076.4	2076.4	2076.4
2.5°	2084.0	2087.1	2073.9	2060.6
5°	2083.0	2085.4	2068.8	2052.3
7.5°	2076.1	2078.3	2061.3	2044.4
10°	2066.2	2068.4	2053.7	2039.1
12.5°	2049.2	2051.0	2037.1	2023.3
15°	2020.8	2020.6	2007.9	1995.2
17.5°	1991.4	1987.8	1972.4	1957.0
20°	1970.3	1964.2	1945.7	1927.2
22.5°	1946.9	1938.9	1917.2	1895.5
25°	1906.7	1891.1	1869.6	1848.1
27.5°	1862.2	1835.4	1814.1	1792.8
30°	1827.6	1796.9	1776.4	1755.9
32.5°	1785.5	1752.8	1731.6	1710.3
35°	1716.4	1678.4	1657.9	1637.4
37.5°	1642.7	1600.0	1576.8	1553.6
40°	1593.5	1550.8	1520.6	1490.4
42.5°	1540.8	1506.6	1467.7	1428.9
45°	1447.2	1426.2	1380.4	1334.5
47.5°	1318.7	1324.5	1279.3	1234.0
50°	1220.4	1251.4	1208.4	1165.5
52.5°	1118.0	1164.7	1126.5	1088.2
55°	969.4	1020.6	994.3	968.0
57.5°	819.9	860.2	841.6	823.1
60°	719.2	755.8	741.2	726.5
62.5°	626.7	664.9	651.8	638.7
65°	503.4	543.4	530.7	518.0
67.5°	402.3	439.9	426.1	412.2
70°	343.1	378.3	363.6	349.0
72.5°	293.4	324.0	310.2	296.3
75°	223.2	245.3	234.6	223.9
77.5°	161.5	176.1	169.3	162.4
80°	122.9	133.2	130.2	127.3
82.5°	87.8	93.7	94.7	95.7
85°	44.6	46.6	48.5	50.5
87.5°	21.1	20.8	19.0	17.2
90°	41.0	25.0	15.9	6.8
92.5°	88.3	61.5	43.3	25.0
95°	177.6	141.1	100.2	70.6
97.5°	282.7	224.0	183.5	134.8
100°	339.2	282.3	243.6	191.2
102.5°	401.1	353.3	300.0	247.7
105°	512.2	453.0	391.5	332.3
107.5°	615.1	550.0	476.2	422.9
110°	680.6	610.1	532.7	484.9



TEST NUMBER: P1428144

CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	744.4	672.0	592.8	545.0
115°	830.9	751.2	678.3	637.4
117.5°	914.2	832.2	755.3	723.0
120°	965.2	883.2	808.1	783.1
122.5°	1007.0	926.9	857.3	846.8
125°	1069.9	987.9	928.7	942.4
127.5°	1120.9	1045.7	1008.4	1038.9
130°	1151.8	1085.8	1063.0	1106.3
132.5°	1179.1	1127.7	1117.7	1177.3
135°	1220.1	1190.5	1199.6	1281.6
137.5°	1268.8	1257.4	1287.9	1391.3
140°	1299.8	1306.6	1349.9	1466.0
142.5°	1341.7	1357.6	1413.6	1537.0
145°	1406.8	1440.9	1513.8	1636.7
147.5°	1480.5	1524.7	1614.8	1740.9
150°	1529.7	1586.6	1682.2	1802.8
152.5°	1586.1	1644.9	1740.5	1862.9
155°	1673.1	1739.1	1839.3	1944.0
157.5°	1761.9	1829.3	1924.9	2016.4
160°	1816.5	1889.3	1975.8	2060.1
162.5°	1878.4	1945.8	2021.4	2096.5
165°	1969.0	2023.7	2085.1	2148.8
167.5°	2045.0	2090.6	2138.8	2188.5
170°	2094.2	2130.6	2171.6	2210.3
172.5°	2136.1	2165.2	2195.3	2228.5
175°	2192.1	2208.0	2226.2	2246.7
177.5°	2235.3	2240.8	2246.3	2255.4
180°	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1428144
 CATALOG NUMBER: SQ2W-PP3-K-150U-100D-L835-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	19.10	19.89	20.11	20.90	22.26	14.87	15.66	15.88	16.67	18.03
	3H	20.16	20.86	21.18	21.88	23.26	16.18	16.88	17.20	17.90	19.28
	4H	20.52	21.18	21.55	22.21	23.59	16.73	17.39	17.76	18.42	19.80
	6H	20.71	21.32	21.75	22.35	23.75	17.09	17.70	18.13	18.73	20.12
	8H	20.77	21.35	21.82	22.40	23.79	17.22	17.80	18.26	18.84	20.23
	12H	20.79	21.34	21.84	22.38	23.79	17.25	17.80	18.30	18.84	20.25
4H	2H	19.21	19.87	20.25	20.90	22.28	15.77	16.44	16.81	17.46	18.84
	3H	20.50	21.05	21.55	22.10	23.50	17.19	17.74	18.24	18.79	20.19
	4H	21.00	21.51	22.06	22.55	23.97	17.81	18.31	18.86	19.36	20.77
	6H	21.31	21.75	22.38	22.82	24.23	18.25	18.68	19.31	19.75	21.16
	8H	21.42	21.82	22.49	22.89	24.31	18.42	18.82	19.48	19.88	21.31
	12H	21.46	21.83	22.54	22.90	24.34	18.46	18.83	19.54	19.90	21.34
8H	4H	21.02	21.42	22.08	22.48	23.91	18.11	18.51	19.17	19.58	21.00
	6H	21.43	21.76	22.51	22.86	24.29	18.67	19.00	19.75	20.10	21.53
	8H	21.61	21.90	22.70	22.99	24.43	18.91	19.21	20.01	20.30	21.74
	12H	21.70	21.96	22.80	23.04	24.53	19.01	19.27	20.11	20.35	21.84
12H	4H	20.97	21.34	22.05	22.41	23.85	18.12	18.48	19.20	19.56	20.99
	6H	21.42	21.71	22.51	22.80	24.24	18.73	19.02	19.83	20.11	21.56
	8H	21.61	21.87	22.71	22.95	24.44	19.00	19.26	20.10	20.35	21.83