

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: P1428317

Luminaire Tested: SQ2W-PR1-K-150U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428317
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-L830-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

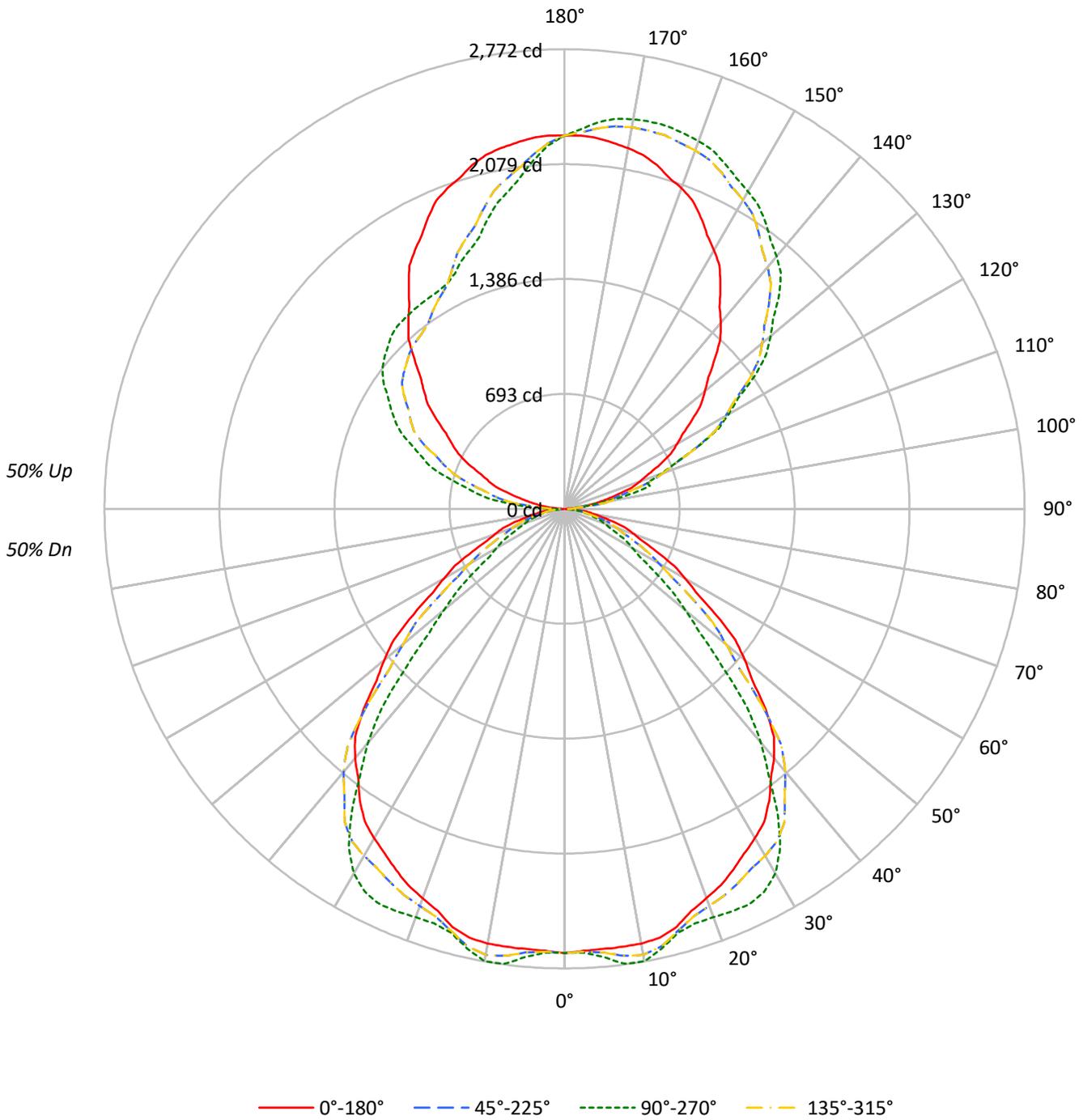
Lumens per Lamp: N/A
Luminaire Lumens: 13027.8 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	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°	43249	43249	43249	43249
5°	43192	43990	43192	43990
10°	43647	45438	43647	45438
15°	43633	44226	43633	44226
20°	42929	45038	42929	45038
25°	42807	46893	42807	46893
30°	42762	47343	42762	47343
35°	42357	44078	42357	44078
40°	41380	38789	41380	38789
45°	39154	30674	39154	30674
50°	35597	23799	35597	23799
55°	31282	18525	31282	18525
60°	27070	15254	27070	15254
65°	23365	13352	23365	13352
70°	21012	11858	21012	11858
75°	19251	10904	19251	10904
80°	16755	10665	16755	10665
85°	12134	5057	12134	5057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 42036 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.7	2.0
10°-20°	748.9	5.7
20°-30°	1157.6	8.9
30°-40°	1392.1	10.7
40°-50°	1250.1	9.6
50°-60°	837.6	6.4
60°-70°	487.3	3.7
70°-80°	250.3	1.9
80°-90°	71.1	0.5
90°-100°	179.2	1.4
100°-110°	522.6	4.0
110°-120°	852.8	6.5
120°-130°	1082.1	8.3
130°-140°	1157.9	8.9
140°-150°	1081.2	8.3
150°-160°	889.7	6.8
160°-170°	596.7	4.6
170°-180°	211.9	1.6
0°-30°	2165.2	16.6
0°-40°	3557.3	27.3
0°-60°	5645.1	43.3
0°-90°	6453.7	49.5
90°-120°	1554.5	11.9
90°-150°	4875.8	37.4
90°-180°	6574.0	50.5
0°-180°	13027.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2679	2679	2679	2679	2679	
5°	2665	2714	2665	2714	2665	254
15°	2610	2646	2610	2646	2610	733
25°	2403	2632	2403	2632	2403	1108
35°	2149	2236	2149	2236	2149	1340
45°	1715	1343	1715	1343	1715	1312
55°	1111	658	1111	658	1111	999
65°	612	350	612	350	612	619
75°	309	175	309	175	309	327
85°	66	27	66	27	66	81
90°	7	50	7	98	7	8
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°	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7
2.5°	2667.8	2682.3	2696.9	2690.3	2676.7	2670.4	2671.4	2672.9	2675.8	2678.7	2675.8
5°	2665.0	2685.7	2706.3	2701.4	2688.1	2682.6	2685.1	2689.9	2702.0	2714.2	2702.0
7.5°	2664.5	2693.9	2723.2	2725.5	2718.7	2718.8	2725.8	2735.1	2751.1	2767.2	2751.1
10°	2662.3	2697.5	2732.7	2737.8	2733.0	2731.2	2732.4	2737.5	2754.5	2771.5	2754.5
12.5°	2649.2	2690.2	2731.2	2726.9	2707.5	2697.0	2695.3	2696.3	2705.5	2714.7	2705.5
15°	2610.4	2659.0	2707.5	2687.8	2645.3	2625.9	2629.5	2633.8	2639.9	2645.9	2639.9
17.5°	2542.2	2592.9	2643.6	2625.9	2585.4	2571.6	2584.8	2597.6	2609.5	2621.3	2609.5
20°	2498.5	2548.2	2598.0	2585.8	2553.1	2545.2	2562.2	2580.1	2600.7	2621.3	2600.7
22.5°	2459.1	2508.9	2558.7	2550.9	2524.0	2522.4	2546.2	2571.1	2599.5	2627.9	2599.5
25°	2402.9	2446.6	2490.3	2491.2	2477.8	2491.2	2531.2	2569.2	2600.7	2632.3	2600.7
27.5°	2343.9	2369.6	2395.4	2412.4	2426.4	2460.5	2514.7	2560.8	2582.9	2605.0	2582.9
30°	2293.7	2310.7	2327.7	2359.2	2395.6	2437.5	2484.8	2522.4	2530.9	2539.4	2530.9
32.5°	2239.1	2249.3	2259.5	2303.9	2359.7	2400.1	2425.1	2441.1	2430.2	2419.3	2430.2
35°	2149.0	2157.5	2165.9	2222.7	2295.5	2322.2	2302.8	2282.5	2259.4	2236.3	2259.4
37.5°	2041.9	2059.4	2076.9	2123.1	2178.9	2178.4	2121.7	2072.4	2046.0	2019.5	2046.0
40°	1963.3	1992.4	2021.5	2052.5	2084.0	2057.3	1972.4	1901.1	1870.7	1840.4	1870.7
42.5°	1867.2	1913.8	1960.4	1967.3	1961.0	1903.7	1795.4	1705.0	1667.8	1630.7	1667.8
45°	1714.8	1777.9	1841.0	1804.9	1735.7	1642.3	1524.6	1426.0	1384.7	1343.4	1384.7
47.5°	1535.1	1599.9	1664.7	1596.7	1484.3	1375.5	1270.4	1182.0	1143.4	1104.8	1143.4
50°	1417.2	1469.3	1521.5	1444.5	1324.3	1215.1	1116.8	1032.5	990.0	947.5	990.0
52.5°	1297.0	1334.6	1372.3	1295.9	1181.6	1075.3	977.0	893.6	855.0	816.4	855.0
55°	1111.3	1130.8	1150.2	1079.5	978.8	881.7	788.2	711.5	684.8	658.1	684.8
57.5°	941.0	953.3	965.7	898.7	805.3	718.9	639.5	575.1	555.4	535.7	555.4
60°	838.3	846.8	855.3	787.3	693.9	616.2	554.3	503.9	488.2	472.4	488.2
62.5°	744.4	750.9	757.5	691.9	602.4	532.9	483.7	443.7	431.9	420.0	431.9
65°	611.6	617.7	623.8	568.0	491.5	434.5	396.8	366.5	358.0	349.5	358.0
67.5°	506.2	509.4	512.6	466.6	404.2	358.2	328.6	304.4	296.4	288.3	296.4
70°	445.1	446.3	447.5	406.9	352.2	311.6	284.9	263.3	257.3	251.2	257.3
72.5°	390.5	388.8	387.1	350.8	303.0	268.1	246.3	228.9	224.8	220.6	224.8
75°	308.6	304.9	301.3	271.2	232.4	205.7	191.1	179.6	177.2	174.8	177.2
77.5°	230.5	226.6	222.7	197.7	165.7	147.2	142.4	138.7	138.7	138.7	138.7
80°	180.2	175.4	170.5	151.1	126.8	114.7	114.7	114.7	114.7	114.7	114.7
82.5°	134.3	127.5	120.8	108.9	95.3	88.5	88.5	88.2	87.3	86.3	87.3
85°	65.5	59.5	53.4	51.9	51.9	48.2	41.0	34.6	30.9	27.3	30.9
87.5°	18.8	20.7	22.9	21.1	17.6	15.7	15.7	16.1	16.6	16.6	16.6
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°	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7
2.5°	2672.9	2671.4	2670.4	2676.7	2690.3	2696.9	2682.3	2667.8	2682.3	2696.9	2690.3
5°	2689.9	2685.1	2682.6	2688.1	2701.4	2706.3	2685.7	2665.0	2685.7	2706.3	2701.4
7.5°	2735.1	2725.8	2718.8	2718.7	2725.5	2723.2	2693.9	2664.5	2693.9	2723.2	2725.5
10°	2737.5	2732.4	2731.2	2733.0	2737.8	2732.7	2697.5	2662.3	2697.5	2732.7	2737.8
12.5°	2696.3	2695.3	2697.0	2707.5	2726.9	2731.2	2690.2	2649.2	2690.2	2731.2	2726.9
15°	2633.8	2629.5	2625.9	2645.3	2687.8	2707.5	2659.0	2610.4	2659.0	2707.5	2687.8
17.5°	2597.6	2584.8	2571.6	2585.4	2625.9	2643.6	2592.9	2542.2	2592.9	2643.6	2625.9
20°	2580.1	2562.2	2545.2	2553.1	2585.8	2598.0	2548.2	2498.5	2548.2	2598.0	2585.8
22.5°	2571.1	2546.2	2522.4	2524.0	2550.9	2558.7	2508.9	2459.1	2508.9	2558.7	2550.9
25°	2569.2	2531.2	2491.2	2477.8	2491.2	2490.3	2446.6	2402.9	2446.6	2490.3	2491.2
27.5°	2560.8	2514.7	2460.5	2426.4	2412.4	2395.4	2369.6	2343.9	2369.6	2395.4	2412.4
30°	2522.4	2484.8	2437.5	2395.6	2359.2	2327.7	2310.7	2293.7	2310.7	2327.7	2359.2
32.5°	2441.1	2425.1	2400.1	2359.7	2303.9	2259.5	2249.3	2239.1	2249.3	2259.5	2303.9
35°	2282.5	2302.8	2322.2	2295.5	2222.7	2165.9	2157.5	2149.0	2157.5	2165.9	2222.7
37.5°	2072.4	2121.7	2178.4	2178.9	2123.1	2076.9	2059.4	2041.9	2059.4	2076.9	2123.1
40°	1901.1	1972.4	2057.3	2084.0	2052.5	2021.5	1992.4	1963.3	1992.4	2021.5	2052.5
42.5°	1705.0	1795.4	1903.7	1961.0	1967.3	1960.4	1913.8	1867.2	1913.8	1960.4	1967.3
45°	1426.0	1524.6	1642.3	1735.7	1804.9	1841.0	1777.9	1714.8	1777.9	1841.0	1804.9
47.5°	1182.0	1270.4	1375.5	1484.3	1596.7	1664.7	1599.9	1535.1	1599.9	1664.7	1596.7
50°	1032.5	1116.8	1215.1	1324.3	1444.5	1521.5	1469.3	1417.2	1469.3	1521.5	1444.5
52.5°	893.6	977.0	1075.3	1181.6	1295.9	1372.3	1334.6	1297.0	1334.6	1372.3	1295.9
55°	711.5	788.2	881.7	978.8	1079.5	1150.2	1130.8	1111.3	1130.8	1150.2	1079.5
57.5°	575.1	639.5	718.9	805.3	898.7	965.7	953.3	941.0	953.3	965.7	898.7
60°	503.9	554.3	616.2	693.9	787.3	855.3	846.8	838.3	846.8	855.3	787.3
62.5°	443.7	483.7	532.9	602.4	691.9	757.5	750.9	744.4	750.9	757.5	691.9
65°	366.5	396.8	434.5	491.5	568.0	623.8	617.7	611.6	617.7	623.8	568.0
67.5°	304.4	328.6	358.2	404.2	466.6	512.6	509.4	506.2	509.4	512.6	466.6
70°	263.3	284.9	311.6	352.2	406.9	447.5	446.3	445.1	446.3	447.5	406.9
72.5°	228.9	246.3	268.1	303.0	350.8	387.1	388.8	390.5	388.8	387.1	350.8
75°	179.6	191.1	205.7	232.4	271.2	301.3	304.9	308.6	304.9	301.3	271.2
77.5°	138.7	142.4	147.2	165.7	197.7	222.7	226.6	230.5	226.6	222.7	197.7
80°	114.7	114.7	114.7	126.8	151.1	170.5	175.4	180.2	175.4	170.5	151.1
82.5°	88.2	88.5	88.5	95.3	108.9	120.8	127.5	134.3	127.5	120.8	108.9
85°	34.6	41.0	48.2	51.9	51.9	53.4	59.5	65.5	59.5	53.4	51.9
87.5°	16.1	15.7	15.7	17.6	21.1	22.9	20.7	18.8	20.7	22.5	22.0
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: P1428317

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-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



TEST NUMBER: P1428317

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7
2.5°	2676.7	2670.4	2671.4	2672.9	2675.8	2678.7	2675.8	2672.9	2671.4	2670.4	2676.7
5°	2688.1	2682.6	2685.1	2689.9	2702.0	2714.2	2702.0	2689.9	2685.1	2682.6	2688.1
7.5°	2718.7	2718.8	2725.8	2735.1	2751.1	2767.2	2751.1	2735.1	2725.8	2718.8	2718.7
10°	2733.0	2731.2	2732.4	2737.5	2754.5	2771.5	2754.5	2737.5	2732.4	2731.2	2733.0
12.5°	2707.5	2697.0	2695.3	2696.3	2705.5	2714.7	2705.5	2696.3	2695.3	2697.0	2707.5
15°	2645.3	2625.9	2629.5	2633.8	2639.9	2645.9	2639.9	2633.8	2629.5	2625.9	2645.3
17.5°	2585.4	2571.6	2584.8	2597.6	2609.5	2621.3	2609.5	2597.6	2584.8	2571.6	2585.4
20°	2553.1	2545.2	2562.2	2580.1	2600.7	2621.3	2600.7	2580.1	2562.2	2545.2	2553.1
22.5°	2524.0	2522.4	2546.2	2571.1	2599.5	2627.9	2599.5	2571.1	2546.2	2522.4	2524.0
25°	2477.8	2491.2	2531.2	2569.2	2600.7	2632.3	2600.7	2569.2	2531.2	2491.2	2477.8
27.5°	2426.4	2460.5	2514.7	2560.8	2582.9	2605.0	2582.9	2560.8	2514.7	2460.5	2426.4
30°	2395.6	2437.5	2484.8	2522.4	2530.9	2539.4	2530.9	2522.4	2484.8	2437.5	2395.6
32.5°	2359.7	2400.1	2425.1	2441.1	2430.2	2419.3	2430.2	2441.1	2425.1	2400.1	2359.7
35°	2295.5	2322.2	2302.8	2282.5	2259.4	2236.3	2259.4	2282.5	2302.8	2322.2	2295.5
37.5°	2178.9	2178.4	2121.7	2072.4	2046.0	2019.5	2046.0	2072.4	2121.7	2178.4	2178.9
40°	2084.0	2057.3	1972.4	1901.1	1870.7	1840.4	1870.7	1901.1	1972.4	2057.3	2084.0
42.5°	1961.0	1903.7	1795.4	1705.0	1667.8	1630.7	1667.8	1705.0	1795.4	1903.7	1961.0
45°	1735.7	1642.3	1524.6	1426.0	1384.7	1343.4	1384.7	1426.0	1524.6	1642.3	1735.7
47.5°	1484.3	1375.5	1270.4	1182.0	1143.4	1104.8	1143.4	1182.0	1270.4	1375.5	1484.3
50°	1324.3	1215.1	1116.8	1032.5	990.0	947.5	990.0	1032.5	1116.8	1215.1	1324.3
52.5°	1181.6	1075.3	977.0	893.6	855.0	816.4	855.0	893.6	977.0	1075.3	1181.6
55°	978.8	881.7	788.2	711.5	684.8	658.1	684.8	711.5	788.2	881.7	978.8
57.5°	805.3	718.9	639.5	575.1	555.4	535.7	555.4	575.1	639.5	718.9	805.3
60°	693.9	616.2	554.3	503.9	488.2	472.4	488.2	503.9	554.3	616.2	693.9
62.5°	602.4	532.9	483.7	443.7	431.9	420.0	431.9	443.7	483.7	532.9	602.4
65°	491.5	434.5	396.8	366.5	358.0	349.5	358.0	366.5	396.8	434.5	491.5
67.5°	404.2	358.2	328.6	304.4	296.4	288.3	296.4	304.4	328.6	358.2	404.2
70°	352.2	311.6	284.9	263.3	257.3	251.2	257.3	263.3	284.9	311.6	352.2
72.5°	303.0	268.1	246.3	228.9	224.8	220.6	224.8	228.9	246.3	268.1	303.0
75°	232.4	205.7	191.1	179.6	177.2	174.8	177.2	179.6	191.1	205.7	232.4
77.5°	165.7	147.2	142.4	138.7	138.7	138.7	138.7	138.7	142.4	147.2	165.7
80°	126.8	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	126.8
82.5°	95.3	88.5	88.5	88.2	87.3	86.3	87.3	88.2	88.5	88.5	95.3
85°	51.9	48.2	41.0	34.6	30.9	27.3	30.9	34.6	41.0	48.2	51.9
87.5°	19.4	20.2	23.4	25.2	27.0	26.1	27.0	25.2	23.4	20.2	19.4
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: P1428317

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-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: P1428317

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2678.7	2678.7	2678.7	2678.7
2.5°	2690.3	2696.9	2682.3	2667.8
5°	2701.4	2706.3	2685.7	2665.0
7.5°	2725.5	2723.2	2693.9	2664.5
10°	2737.8	2732.7	2697.5	2662.3
12.5°	2726.9	2731.2	2690.2	2649.2
15°	2687.8	2707.5	2659.0	2610.4
17.5°	2625.9	2643.6	2592.9	2542.2
20°	2585.8	2598.0	2548.2	2498.5
22.5°	2550.9	2558.7	2508.9	2459.1
25°	2491.2	2490.3	2446.6	2402.9
27.5°	2412.4	2395.4	2369.6	2343.9
30°	2359.2	2327.7	2310.7	2293.7
32.5°	2303.9	2259.5	2249.3	2239.1
35°	2222.7	2165.9	2157.5	2149.0
37.5°	2123.1	2076.9	2059.4	2041.9
40°	2052.5	2021.5	1992.4	1963.3
42.5°	1967.3	1960.4	1913.8	1867.2
45°	1804.9	1841.0	1777.9	1714.8
47.5°	1596.7	1664.7	1599.9	1535.1
50°	1444.5	1521.5	1469.3	1417.2
52.5°	1295.9	1372.3	1334.6	1297.0
55°	1079.5	1150.2	1130.8	1111.3
57.5°	898.7	965.7	953.3	941.0
60°	787.3	855.3	846.8	838.3
62.5°	691.9	757.5	750.9	744.4
65°	568.0	623.8	617.7	611.6
67.5°	466.6	512.6	509.4	506.2
70°	406.9	447.5	446.3	445.1
72.5°	350.8	387.1	388.8	390.5
75°	271.2	301.3	304.9	308.6
77.5°	197.7	222.7	226.6	230.5
80°	151.1	170.5	175.4	180.2
82.5°	108.9	120.8	127.5	134.3
85°	51.9	53.4	59.5	65.5
87.5°	22.0	22.5	20.7	18.8
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: P1428317
 CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L830-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	19.71	20.53	20.68	21.51	22.79	16.08	16.90	17.05	17.88	19.16
	3H	20.92	21.65	21.90	22.64	23.94	17.24	17.97	18.22	18.96	20.26
	4H	21.40	22.09	22.40	23.08	24.39	17.70	18.39	18.70	19.39	20.70
	6H	21.70	22.33	22.70	23.33	24.65	18.04	18.68	19.05	19.67	21.00
	8H	21.80	22.40	22.81	23.41	24.73	18.18	18.78	19.19	19.80	21.12
	12H	21.84	22.41	22.85	23.42	24.76	18.21	18.78	19.23	19.79	21.13
4H	2H	19.81	20.50	20.81	21.49	22.81	16.79	17.48	17.79	18.47	19.78
	3H	21.27	21.84	22.28	22.86	24.19	18.14	18.71	19.15	19.73	21.06
	4H	21.90	22.42	22.91	23.43	24.78	18.69	19.21	19.70	20.22	21.57
	6H	22.33	22.77	23.35	23.81	25.16	19.12	19.56	20.14	20.60	21.95
	8H	22.48	22.90	23.51	23.93	25.29	19.30	19.72	20.33	20.75	22.11
	12H	22.55	22.93	23.59	23.97	25.33	19.34	19.72	20.39	20.77	22.13
8H	4H	21.92	22.34	22.95	23.37	24.73	19.01	19.43	20.04	20.46	21.82
	6H	22.45	22.79	23.50	23.87	25.22	19.55	19.89	20.60	20.96	22.32
	8H	22.68	22.99	23.74	24.04	25.42	19.81	20.11	20.87	21.17	22.55
	12H	22.80	23.07	23.86	24.12	25.54	19.90	20.17	20.96	21.22	22.64
12H	4H	21.88	22.25	22.92	23.30	24.66	19.03	19.40	20.07	20.45	21.81
	6H	22.44	22.74	23.50	23.80	25.18	19.62	19.92	20.68	20.98	22.36
	8H	22.69	22.96	23.75	24.01	25.43	19.91	20.18	20.97	21.23	22.65