

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: P1428319

Luminaire Tested: SQ2W-PR1-K-150U-125D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428319
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-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

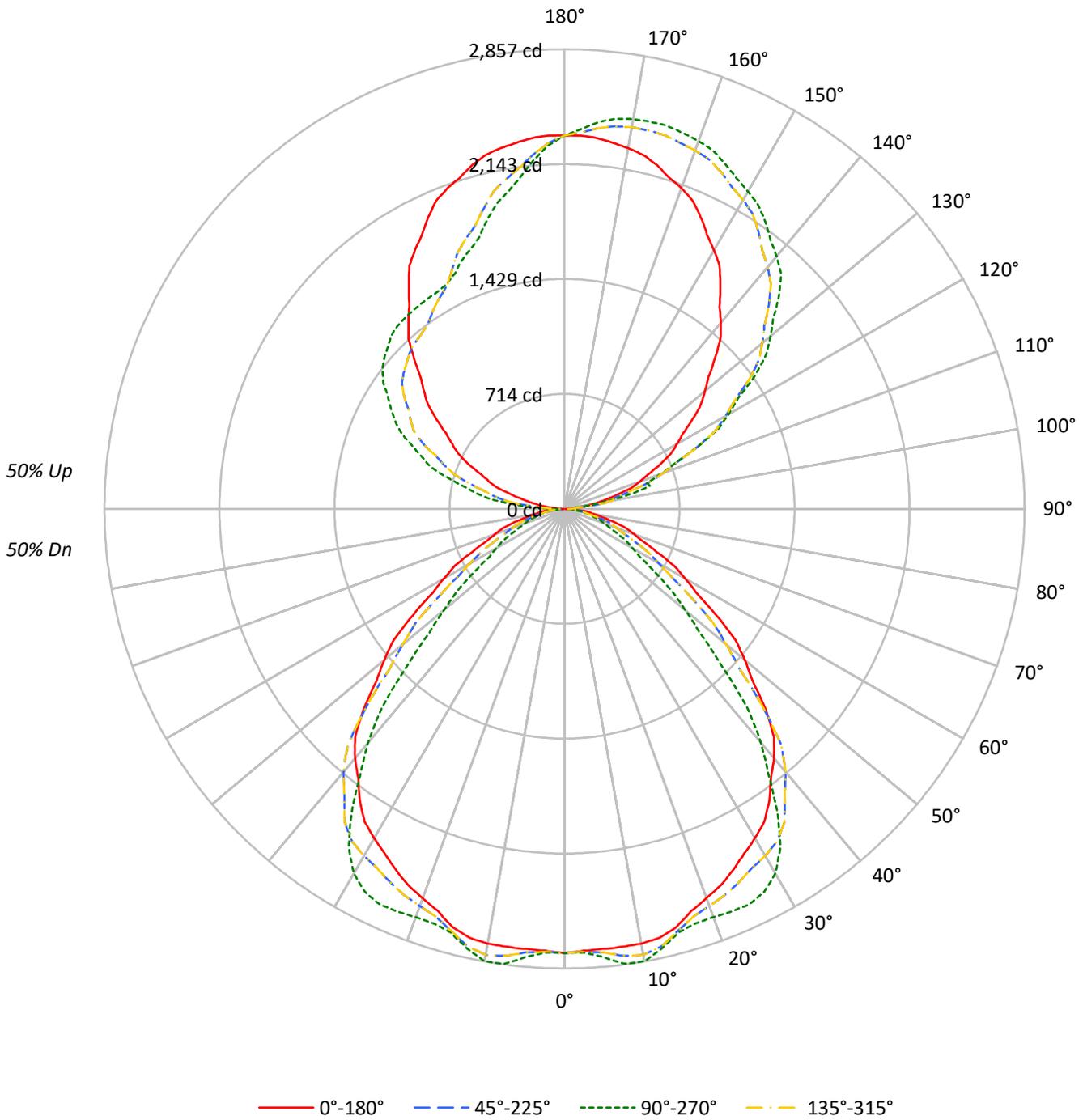
Lumens per Lamp: N/A
Luminaire Lumens: 13428.2 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.3
Input Voltage (V): 120
Input Current (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	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°	44578	44578	44578	44578
5°	44521	45341	44521	45341
10°	44988	46835	44988	46835
15°	44975	45587	44975	45587
20°	44248	46423	44248	46423
25°	44123	48335	44123	48335
30°	44076	48799	44076	48799
35°	43658	45434	43658	45434
40°	42650	39982	42650	39982
45°	40358	31617	40358	31617
50°	36690	24530	36690	24530
55°	32245	19093	32245	19093
60°	27903	15723	27903	15723
65°	24087	13765	24087	13765
70°	21658	12222	21658	12222
75°	19837	11235	19837	11235
80°	17275	10990	17275	10990
85°	12504	5206	12504	5206

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 43328 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.6	2.0
10°-20°	771.9	5.7
20°-30°	1193.2	8.9
30°-40°	1434.9	10.7
40°-50°	1288.6	9.6
50°-60°	863.4	6.4
60°-70°	502.3	3.7
70°-80°	258.0	1.9
80°-90°	73.2	0.5
90°-100°	184.7	1.4
100°-110°	538.6	4.0
110°-120°	879.0	6.5
120°-130°	1115.4	8.3
130°-140°	1193.5	8.9
140°-150°	1114.5	8.3
150°-160°	917.1	6.8
160°-170°	615.0	4.6
170°-180°	218.4	1.6
0°-30°	2231.7	16.6
0°-40°	3666.7	27.3
0°-60°	5818.6	43.3
0°-90°	6652.1	49.5
90°-120°	1602.3	11.9
90°-150°	5025.7	37.4
90°-180°	6776.0	50.5
0°-180°	13428.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2761	2761	2761	2761	2761	
5°	2747	2798	2747	2798	2747	262
15°	2691	2727	2691	2727	2691	756
25°	2477	2713	2477	2713	2477	1142
35°	2215	2305	2215	2305	2215	1381
45°	1768	1385	1768	1385	1768	1352
55°	1146	678	1146	678	1146	1029
65°	630	360	630	360	630	638
75°	318	180	318	180	318	337
85°	68	28	68	28	68	84
90°	7	52	7	101	7	8
95°	73	54	73	316	73	88
105°	342	548	342	755	342	364
115°	656	910	656	1120	656	647
125°	970	1442	970	1374	970	868
135°	1320	1887	1320	1521	1320	1020
145°	1686	2175	1686	1554	1686	1055
155°	2002	2363	2002	1613	2002	920
165°	2213	2464	2213	1857	2213	623
175°	2314	2412	2314	2178	2314	220
180°	2321	2321	2321	2321	2321	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0
2.5°	2749.8	2764.8	2779.8	2773.0	2759.0	2752.5	2753.5	2755.0	2758.0	2761.0	2758.0
5°	2747.0	2768.2	2789.5	2784.5	2770.7	2765.1	2767.6	2772.6	2785.1	2797.6	2785.1
7.5°	2746.4	2776.7	2806.9	2809.3	2802.3	2802.4	2809.6	2819.2	2835.7	2852.2	2835.7
10°	2744.1	2780.4	2816.7	2822.0	2817.0	2815.1	2816.4	2821.7	2839.2	2856.7	2839.2
12.5°	2730.6	2772.9	2815.2	2810.8	2790.7	2779.9	2778.1	2779.2	2788.7	2798.2	2788.7
15°	2690.7	2740.7	2790.7	2770.4	2726.6	2706.6	2710.4	2714.8	2721.0	2727.3	2721.0
17.5°	2620.3	2672.6	2724.9	2706.6	2664.8	2650.7	2664.2	2677.4	2689.7	2701.9	2689.7
20°	2575.3	2626.6	2677.8	2665.3	2631.6	2623.4	2640.9	2659.4	2680.7	2701.9	2680.7
22.5°	2534.7	2586.0	2637.3	2629.3	2601.5	2599.9	2624.4	2650.1	2679.4	2708.7	2679.4
25°	2476.8	2521.8	2566.8	2567.8	2554.0	2567.8	2609.1	2648.1	2680.7	2713.2	2680.7
27.5°	2416.0	2442.5	2469.0	2486.5	2501.0	2536.2	2592.0	2639.5	2662.3	2685.0	2662.3
30°	2364.2	2381.7	2399.2	2431.7	2469.3	2512.4	2561.2	2600.0	2608.7	2617.5	2608.7
32.5°	2307.9	2318.4	2328.9	2374.7	2432.2	2473.9	2499.7	2516.2	2504.9	2493.7	2504.9
35°	2215.0	2223.8	2232.5	2291.0	2366.1	2393.6	2373.6	2352.6	2328.9	2305.1	2328.9
37.5°	2104.7	2122.7	2140.7	2188.4	2245.9	2245.4	2186.9	2136.2	2108.9	2081.6	2108.9
40°	2023.6	2053.7	2083.7	2115.6	2148.1	2120.6	2033.0	1959.5	1928.3	1897.0	1928.3
42.5°	1924.6	1972.6	2020.6	2027.8	2021.3	1962.2	1850.6	1757.4	1719.1	1680.8	1719.1
45°	1767.5	1832.6	1897.6	1860.4	1789.1	1692.8	1571.4	1469.8	1427.3	1384.7	1427.3
47.5°	1582.3	1649.1	1715.9	1645.7	1529.9	1417.8	1309.5	1218.3	1178.5	1138.8	1178.5
50°	1460.7	1514.5	1568.3	1488.9	1365.0	1252.5	1151.1	1064.2	1020.4	976.6	1020.4
52.5°	1336.9	1375.7	1414.4	1335.8	1217.9	1108.4	1007.0	921.1	881.3	841.5	881.3
55°	1145.5	1165.5	1185.5	1112.7	1008.8	908.8	812.5	733.3	705.8	678.3	705.8
57.5°	969.9	982.6	995.4	926.3	830.0	741.0	659.2	592.7	572.5	552.2	572.5
60°	864.1	872.8	881.6	811.5	715.2	635.1	571.3	519.4	503.2	486.9	503.2
62.5°	767.2	774.0	780.7	713.2	620.9	549.3	498.5	457.4	445.1	432.9	445.1
65°	630.5	636.7	643.0	585.4	506.6	447.8	409.0	377.8	369.0	360.3	369.0
67.5°	521.8	525.1	528.3	480.9	416.6	369.2	338.7	313.7	305.5	297.2	305.5
70°	458.8	460.0	461.3	419.4	363.1	321.2	293.6	271.4	265.2	258.9	265.2
72.5°	402.5	400.7	399.0	361.6	312.3	276.4	253.9	235.9	231.7	227.4	231.7
75°	318.0	314.3	310.5	279.6	239.5	212.0	197.0	185.1	182.6	180.1	182.6
77.5°	237.5	233.5	229.5	203.8	170.7	151.7	146.7	143.0	143.0	143.0	143.0
80°	185.8	180.8	175.8	155.7	130.7	118.2	118.2	118.2	118.2	118.2	118.2
82.5°	138.5	131.5	124.5	112.2	98.2	91.2	91.2	90.9	89.9	88.9	89.9
85°	67.5	61.3	55.0	53.5	53.5	49.7	42.2	35.7	31.9	28.1	31.9
87.5°	19.4	21.3	23.6	21.8	18.2	16.1	16.1	16.6	17.1	17.1	17.1
90°	7.0	16.4	28.1	37.5	44.5	46.9	46.9	49.2	51.6	51.6	51.6
92.5°	25.8	40.8	41.3	41.3	50.2	54.4	58.1	58.6	60.9	60.9	60.9
95°	72.7	79.7	119.6	117.2	79.7	63.3	53.9	53.9	53.9	53.9	53.9
97.5°	138.8	149.1	155.7	208.6	220.4	212.9	173.5	145.8	130.3	123.3	130.3
100°	196.9	201.6	215.7	218.0	276.6	332.9	304.7	269.6	257.9	250.8	257.9
102.5°	255.0	257.9	279.4	289.3	302.9	334.7	432.3	421.5	413.5	412.1	413.5
105°	342.3	344.6	384.4	403.2	412.6	412.6	410.2	457.1	532.1	548.5	532.1
107.5°	435.5	446.3	493.2	543.4	554.2	557.0	544.8	537.8	534.9	536.8	534.9
110°	499.3	515.7	572.0	635.3	651.7	656.4	651.7	644.7	640.0	640.0	640.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	561.2	585.1	648.9	721.5	749.2	763.3	753.0	747.8	743.1	746.9	743.1
115°	656.4	691.5	775.9	850.9	907.2	914.2	911.9	911.9	909.5	909.5	909.5
117.5°	744.5	800.8	895.5	982.7	1047.9	1066.6	1076.0	1073.2	1070.4	1075.0	1070.4
120°	806.4	872.0	979.9	1078.3	1141.6	1169.7	1179.1	1174.4	1179.1	1174.4	1179.1
122.5°	872.0	952.7	1058.6	1160.8	1235.4	1267.3	1278.5	1279.5	1280.4	1277.6	1280.4
125°	970.5	1068.9	1193.2	1298.7	1376.0	1413.5	1422.9	1425.3	1430.0	1441.7	1430.0
127.5°	1069.9	1181.5	1317.9	1419.6	1498.9	1544.3	1558.9	1564.0	1573.9	1579.0	1573.9
130°	1139.3	1265.9	1404.2	1500.3	1577.6	1626.9	1652.7	1659.7	1671.4	1669.1	1671.4
132.5°	1212.4	1344.6	1484.8	1584.7	1656.4	1709.4	1731.4	1751.6	1755.8	1759.1	1755.8
135°	1319.8	1462.8	1603.4	1701.9	1769.9	1821.4	1849.6	1868.3	1880.0	1887.1	1880.0
137.5°	1432.8	1583.7	1718.8	1806.4	1874.9	1919.4	1951.3	1971.0	1983.2	1988.8	1983.2
140°	1509.7	1655.0	1786.3	1877.7	1938.6	1983.2	2011.3	2034.8	2048.8	2048.8	2048.8
142.5°	1582.8	1726.3	1853.8	1945.2	1998.7	2039.4	2069.4	2087.3	2103.2	2103.2	2103.2
145°	1685.5	1828.5	1945.7	2037.1	2081.6	2119.1	2152.0	2166.0	2175.4	2175.4	2175.4
147.5°	1792.8	1919.4	2026.3	2114.0	2151.5	2195.6	2221.3	2232.6	2244.3	2239.2	2244.3
150°	1856.6	1973.8	2076.9	2159.0	2196.5	2238.7	2264.5	2273.9	2285.6	2278.5	2285.6
152.5°	1918.5	2030.1	2123.8	2200.3	2232.1	2274.3	2303.9	2313.2	2321.2	2316.1	2321.2
155°	2001.9	2100.4	2187.1	2257.5	2285.6	2325.4	2353.6	2365.3	2374.7	2362.9	2374.7
157.5°	2076.5	2161.3	2236.8	2301.5	2331.5	2365.8	2392.0	2406.5	2415.9	2410.8	2415.9
160°	2121.5	2198.8	2266.8	2327.8	2355.9	2386.4	2414.5	2430.9	2440.3	2433.3	2440.3
162.5°	2159.0	2228.9	2293.1	2348.4	2372.8	2399.5	2433.3	2447.8	2457.2	2448.3	2457.2
165°	2212.9	2269.2	2325.4	2372.3	2393.4	2414.5	2449.7	2466.1	2473.1	2463.7	2473.1
167.5°	2253.7	2296.8	2342.3	2382.6	2398.1	2418.7	2453.9	2467.5	2476.4	2464.7	2476.4
170°	2276.2	2313.7	2353.6	2386.4	2398.1	2416.9	2452.0	2463.7	2470.8	2459.1	2470.8
172.5°	2295.0	2323.1	2355.4	2384.5	2390.6	2405.6	2438.9	2450.6	2455.8	2445.9	2455.8
175°	2313.7	2330.1	2353.6	2372.3	2370.0	2379.3	2407.5	2416.9	2426.2	2412.2	2426.2
177.5°	2322.6	2330.1	2337.6	2348.9	2341.4	2341.4	2362.0	2367.6	2369.5	2362.0	2369.5
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0
2.5°	2755.0	2753.5	2752.5	2759.0	2773.0	2779.8	2764.8	2749.8	2764.8	2779.8	2773.0
5°	2772.6	2767.6	2765.1	2770.7	2784.5	2789.5	2768.2	2747.0	2768.2	2789.5	2784.5
7.5°	2819.2	2809.6	2802.4	2802.3	2809.3	2806.9	2776.7	2746.4	2776.7	2806.9	2809.3
10°	2821.7	2816.4	2815.1	2817.0	2822.0	2816.7	2780.4	2744.1	2780.4	2816.7	2822.0
12.5°	2779.2	2778.1	2779.9	2790.7	2810.8	2815.2	2772.9	2730.6	2772.9	2815.2	2810.8
15°	2714.8	2710.4	2706.6	2726.6	2770.4	2790.7	2740.7	2690.7	2740.7	2790.7	2770.4
17.5°	2677.4	2664.2	2650.7	2664.8	2706.6	2724.9	2672.6	2620.3	2672.6	2724.9	2706.6
20°	2659.4	2640.9	2623.4	2631.6	2665.3	2677.8	2626.6	2575.3	2626.6	2677.8	2665.3
22.5°	2650.1	2624.4	2599.9	2601.5	2629.3	2637.3	2586.0	2534.7	2586.0	2637.3	2629.3
25°	2648.1	2609.1	2567.8	2554.0	2567.8	2566.8	2521.8	2476.8	2521.8	2566.8	2567.8
27.5°	2639.5	2592.0	2536.2	2501.0	2486.5	2469.0	2442.5	2416.0	2442.5	2469.0	2486.5
30°	2600.0	2561.2	2512.4	2469.3	2431.7	2399.2	2381.7	2364.2	2381.7	2399.2	2431.7
32.5°	2516.2	2499.7	2473.9	2432.2	2374.7	2328.9	2318.4	2307.9	2318.4	2328.9	2374.7
35°	2352.6	2373.6	2393.6	2366.1	2291.0	2232.5	2223.8	2215.0	2223.8	2232.5	2291.0
37.5°	2136.2	2186.9	2245.4	2245.9	2188.4	2140.7	2122.7	2104.7	2122.7	2140.7	2188.4
40°	1959.5	2033.0	2120.6	2148.1	2115.6	2083.7	2053.7	2023.6	2053.7	2083.7	2115.6
42.5°	1757.4	1850.6	1962.2	2021.3	2027.8	2020.6	1972.6	1924.6	1972.6	2020.6	2027.8
45°	1469.8	1571.4	1692.8	1789.1	1860.4	1897.6	1832.6	1767.5	1832.6	1897.6	1860.4
47.5°	1218.3	1309.5	1417.8	1529.9	1645.7	1715.9	1649.1	1582.3	1649.1	1715.9	1645.7
50°	1064.2	1151.1	1252.5	1365.0	1488.9	1568.3	1514.5	1460.7	1514.5	1568.3	1488.9
52.5°	921.1	1007.0	1108.4	1217.9	1335.8	1414.4	1375.7	1336.9	1375.7	1414.4	1335.8
55°	733.3	812.5	908.8	1008.8	1112.7	1185.5	1165.5	1145.5	1165.5	1185.5	1112.7
57.5°	592.7	659.2	741.0	830.0	926.3	995.4	982.6	969.9	982.6	995.4	926.3
60°	519.4	571.3	635.1	715.2	811.5	881.6	872.8	864.1	872.8	881.6	811.5
62.5°	457.4	498.5	549.3	620.9	713.2	780.7	774.0	767.2	774.0	780.7	713.2
65°	377.8	409.0	447.8	506.6	585.4	643.0	636.7	630.5	636.7	643.0	585.4
67.5°	313.7	338.7	369.2	416.6	480.9	528.3	525.1	521.8	525.1	528.3	480.9
70°	271.4	293.6	321.2	363.1	419.4	461.3	460.0	458.8	460.0	461.3	419.4
72.5°	235.9	253.9	276.4	312.3	361.6	399.0	400.7	402.5	400.7	399.0	361.6
75°	185.1	197.0	212.0	239.5	279.6	310.5	314.3	318.0	314.3	310.5	279.6
77.5°	143.0	146.7	151.7	170.7	203.8	229.5	233.5	237.5	233.5	229.5	203.8
80°	118.2	118.2	118.2	130.7	155.7	175.8	180.8	185.8	180.8	175.8	155.7
82.5°	90.9	91.2	91.2	98.2	112.2	124.5	131.5	138.5	131.5	124.5	112.2
85°	35.7	42.2	49.7	53.5	53.5	55.0	61.3	67.5	61.3	55.0	53.5
87.5°	16.6	16.1	16.1	18.2	21.8	23.6	21.3	19.4	21.3	23.2	22.7
90°	49.2	46.9	46.9	44.5	37.5	28.1	16.4	7.0	16.4	25.8	42.2
92.5°	58.6	58.1	54.4	50.2	41.3	41.3	40.8	25.8	44.5	63.3	91.0
95°	53.9	53.9	63.3	79.7	117.2	119.6	79.7	72.7	103.1	145.3	182.8
97.5°	145.8	173.5	212.9	220.4	208.6	155.7	149.1	138.8	188.9	230.7	291.1
100°	269.6	304.7	332.9	276.6	218.0	215.7	201.6	196.9	250.8	290.7	349.3
102.5°	421.5	432.3	334.7	302.9	289.3	279.4	257.9	255.0	309.0	363.8	413.0
105°	457.1	410.2	412.6	412.6	403.2	384.4	344.6	342.3	403.2	466.5	527.4
107.5°	537.8	544.8	557.0	554.2	543.4	493.2	446.3	435.5	490.4	566.4	633.4
110°	644.7	651.7	656.4	651.7	635.3	572.0	515.7	499.3	548.5	628.2	700.9



TEST NUMBER: P1428319

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	747.8	753.0	763.3	749.2	721.5	648.9	585.1	561.2	610.4	692.0	766.5
115°	911.9	911.9	914.2	907.2	850.9	775.9	691.5	656.4	698.6	773.6	855.6
117.5°	1073.2	1076.0	1066.6	1047.9	982.7	895.5	800.8	744.5	777.8	857.0	941.4
120°	1174.4	1179.1	1169.7	1141.6	1078.3	979.9	872.0	806.4	832.2	909.5	993.9
122.5°	1279.5	1278.5	1267.3	1235.4	1160.8	1058.6	952.7	872.0	882.8	954.6	1037.1
125°	1425.3	1422.9	1413.5	1376.0	1298.7	1193.2	1068.9	970.5	956.4	1017.4	1101.8
127.5°	1564.0	1558.9	1544.3	1498.9	1419.6	1317.9	1181.5	1069.9	1038.5	1076.9	1154.3
130°	1659.7	1652.7	1626.9	1577.6	1500.3	1404.2	1265.9	1139.3	1094.7	1118.2	1186.2
132.5°	1751.6	1731.4	1709.4	1656.4	1584.7	1484.8	1344.6	1212.4	1151.0	1161.3	1214.3
135°	1868.3	1849.6	1821.4	1769.9	1701.9	1603.4	1462.8	1319.8	1235.4	1226.0	1256.5
137.5°	1971.0	1951.3	1919.4	1874.9	1806.4	1718.8	1583.7	1432.8	1326.3	1294.9	1306.6
140°	2034.8	2011.3	1983.2	1938.6	1877.7	1786.3	1655.0	1509.7	1390.1	1345.6	1338.5
142.5°	2087.3	2069.4	2039.4	1998.7	1945.2	1853.8	1726.3	1582.8	1455.7	1398.1	1381.7
145°	2166.0	2152.0	2119.1	2081.6	2037.1	1945.7	1828.5	1685.5	1558.9	1483.9	1448.7
147.5°	2232.6	2221.3	2195.6	2151.5	2114.0	2026.3	1919.4	1792.8	1663.0	1570.1	1524.7
150°	2273.9	2264.5	2238.7	2196.5	2159.0	2076.9	1973.8	1856.6	1732.4	1633.9	1575.3
152.5°	2313.2	2303.9	2274.3	2232.1	2200.3	2123.8	2030.1	1918.5	1792.4	1693.9	1633.4
155°	2365.3	2353.6	2325.4	2285.6	2257.5	2187.1	2100.4	2001.9	1894.1	1791.0	1723.0
157.5°	2406.5	2392.0	2365.8	2331.5	2301.5	2236.8	2161.3	2076.5	1982.2	1883.8	1814.4
160°	2430.9	2414.5	2386.4	2355.9	2327.8	2266.8	2198.8	2121.5	2034.8	1945.7	1870.7
162.5°	2447.8	2433.3	2399.5	2372.8	2348.4	2293.1	2228.9	2159.0	2081.6	2003.8	1934.4
165°	2466.1	2449.7	2414.5	2393.4	2372.3	2325.4	2269.2	2212.9	2147.3	2084.0	2027.7
167.5°	2467.5	2453.9	2418.7	2398.1	2382.6	2342.3	2296.8	2253.7	2202.6	2152.9	2106.0
170°	2463.7	2452.0	2416.9	2398.1	2386.4	2353.6	2313.7	2276.2	2236.4	2194.2	2156.7
172.5°	2450.6	2438.9	2405.6	2390.6	2384.5	2355.4	2323.1	2295.0	2260.7	2229.8	2199.8
175°	2416.9	2407.5	2379.3	2370.0	2372.3	2353.6	2330.1	2313.7	2292.6	2273.9	2257.5
177.5°	2367.6	2362.0	2341.4	2341.4	2348.9	2337.6	2330.1	2322.6	2313.2	2307.6	2302.0
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1428319

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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0	2761.0
2.5°	2759.0	2752.5	2753.5	2755.0	2758.0	2761.0	2758.0	2755.0	2753.5	2752.5	2759.0
5°	2770.7	2765.1	2767.6	2772.6	2785.1	2797.6	2785.1	2772.6	2767.6	2765.1	2770.7
7.5°	2802.3	2802.4	2809.6	2819.2	2835.7	2852.2	2835.7	2819.2	2809.6	2802.4	2802.3
10°	2817.0	2815.1	2816.4	2821.7	2839.2	2856.7	2839.2	2821.7	2816.4	2815.1	2817.0
12.5°	2790.7	2779.9	2778.1	2779.2	2788.7	2798.2	2788.7	2779.2	2778.1	2779.9	2790.7
15°	2726.6	2706.6	2710.4	2714.8	2721.0	2727.3	2721.0	2714.8	2710.4	2706.6	2726.6
17.5°	2664.8	2650.7	2664.2	2677.4	2689.7	2701.9	2689.7	2677.4	2664.2	2650.7	2664.8
20°	2631.6	2623.4	2640.9	2659.4	2680.7	2701.9	2680.7	2659.4	2640.9	2623.4	2631.6
22.5°	2601.5	2599.9	2624.4	2650.1	2679.4	2708.7	2679.4	2650.1	2624.4	2599.9	2601.5
25°	2554.0	2567.8	2609.1	2648.1	2680.7	2713.2	2680.7	2648.1	2609.1	2567.8	2554.0
27.5°	2501.0	2536.2	2592.0	2639.5	2662.3	2685.0	2662.3	2639.5	2592.0	2536.2	2501.0
30°	2469.3	2512.4	2561.2	2600.0	2608.7	2617.5	2608.7	2600.0	2561.2	2512.4	2469.3
32.5°	2432.2	2473.9	2499.7	2516.2	2504.9	2493.7	2504.9	2516.2	2499.7	2473.9	2432.2
35°	2366.1	2393.6	2373.6	2352.6	2328.9	2305.1	2328.9	2352.6	2373.6	2393.6	2366.1
37.5°	2245.9	2245.4	2186.9	2136.2	2108.9	2081.6	2108.9	2136.2	2186.9	2245.4	2245.9
40°	2148.1	2120.6	2033.0	1959.5	1928.3	1897.0	1928.3	1959.5	2033.0	2120.6	2148.1
42.5°	2021.3	1962.2	1850.6	1757.4	1719.1	1680.8	1719.1	1757.4	1850.6	1962.2	2021.3
45°	1789.1	1692.8	1571.4	1469.8	1427.3	1384.7	1427.3	1469.8	1571.4	1692.8	1789.1
47.5°	1529.9	1417.8	1309.5	1218.3	1178.5	1138.8	1178.5	1218.3	1309.5	1417.8	1529.9
50°	1365.0	1252.5	1151.1	1064.2	1020.4	976.6	1020.4	1064.2	1151.1	1252.5	1365.0
52.5°	1217.9	1108.4	1007.0	921.1	881.3	841.5	881.3	921.1	1007.0	1108.4	1217.9
55°	1008.8	908.8	812.5	733.3	705.8	678.3	705.8	733.3	812.5	908.8	1008.8
57.5°	830.0	741.0	659.2	592.7	572.5	552.2	572.5	592.7	659.2	741.0	830.0
60°	715.2	635.1	571.3	519.4	503.2	486.9	503.2	519.4	571.3	635.1	715.2
62.5°	620.9	549.3	498.5	457.4	445.1	432.9	445.1	457.4	498.5	549.3	620.9
65°	506.6	447.8	409.0	377.8	369.0	360.3	369.0	377.8	409.0	447.8	506.6
67.5°	416.6	369.2	338.7	313.7	305.5	297.2	305.5	313.7	338.7	369.2	416.6
70°	363.1	321.2	293.6	271.4	265.2	258.9	265.2	271.4	293.6	321.2	363.1
72.5°	312.3	276.4	253.9	235.9	231.7	227.4	231.7	235.9	253.9	276.4	312.3
75°	239.5	212.0	197.0	185.1	182.6	180.1	182.6	185.1	197.0	212.0	239.5
77.5°	170.7	151.7	146.7	143.0	143.0	143.0	143.0	143.0	146.7	151.7	170.7
80°	130.7	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	130.7
82.5°	98.2	91.2	91.2	90.9	89.9	88.9	89.9	90.9	91.2	91.2	98.2
85°	53.5	49.7	42.2	35.7	31.9	28.1	31.9	35.7	42.2	49.7	53.5
87.5°	20.0	20.8	24.1	26.0	27.9	26.9	27.9	26.0	24.1	20.8	20.0
90°	53.9	70.3	86.7	96.1	105.5	100.8	105.5	96.1	86.7	70.3	53.9
92.5°	108.3	136.0	156.1	173.0	180.5	179.6	180.5	173.0	156.1	136.0	108.3
95°	218.0	250.8	283.6	307.1	321.2	316.5	321.2	307.1	283.6	250.8	218.0
97.5°	336.2	380.2	416.8	438.8	452.9	462.3	452.9	438.8	416.8	380.2	336.2
100°	414.9	457.1	499.3	525.1	548.5	557.9	548.5	525.1	499.3	457.1	414.9
102.5°	478.7	534.0	580.0	607.6	627.3	636.7	627.3	607.6	580.0	534.0	478.7
105°	583.7	642.3	691.5	726.7	747.8	754.8	747.8	726.7	691.5	642.3	583.7
107.5°	688.7	749.2	794.7	833.6	859.4	874.4	859.4	833.6	794.7	749.2	688.7
110°	771.2	820.5	869.7	904.9	930.6	940.0	930.6	904.9	869.7	820.5	771.2



TEST NUMBER: P1428319

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	840.6	895.5	944.7	979.9	1009.4	1022.5	1009.4	979.9	944.7	895.5	840.6
115°	937.7	1010.3	1054.9	1087.7	1108.8	1120.5	1108.8	1087.7	1054.9	1010.3	937.7
117.5°	1018.3	1094.3	1143.0	1168.3	1178.2	1186.6	1178.2	1168.3	1143.0	1094.3	1018.3
120°	1068.9	1139.3	1195.5	1228.4	1240.1	1244.8	1240.1	1228.4	1195.5	1139.3	1068.9
122.5°	1115.8	1182.4	1236.8	1277.1	1296.3	1301.0	1296.3	1277.1	1236.8	1182.4	1115.8
125°	1181.5	1244.8	1301.0	1340.9	1362.0	1373.7	1362.0	1340.9	1301.0	1244.8	1181.5
127.5°	1238.7	1307.1	1358.7	1394.8	1415.4	1424.8	1415.4	1394.8	1358.7	1307.1	1238.7
130°	1270.5	1340.9	1392.4	1432.3	1451.1	1460.4	1451.1	1432.3	1392.4	1340.9	1270.5
132.5°	1294.9	1369.0	1422.5	1458.6	1479.2	1488.6	1479.2	1458.6	1422.5	1369.0	1294.9
135°	1324.5	1401.8	1458.1	1493.2	1512.0	1521.4	1512.0	1493.2	1458.1	1401.8	1324.5
137.5°	1350.3	1420.6	1479.2	1516.2	1533.1	1539.2	1533.1	1516.2	1479.2	1420.6	1350.3
140°	1369.0	1430.0	1488.6	1523.7	1542.5	1544.8	1542.5	1523.7	1488.6	1430.0	1369.0
142.5°	1393.4	1441.2	1492.3	1527.5	1546.2	1550.4	1546.2	1527.5	1492.3	1441.2	1393.4
145°	1437.0	1465.1	1500.3	1533.1	1549.5	1554.2	1549.5	1533.1	1500.3	1465.1	1437.0
147.5°	1491.8	1500.7	1519.0	1540.6	1556.5	1559.8	1556.5	1540.6	1519.0	1500.7	1491.8
150°	1533.1	1530.8	1537.8	1551.9	1565.9	1563.6	1565.9	1551.9	1537.8	1530.8	1533.1
152.5°	1580.0	1566.4	1565.9	1572.5	1579.0	1578.6	1579.0	1572.5	1565.9	1566.4	1580.0
155°	1659.7	1633.9	1619.8	1615.1	1615.1	1612.8	1615.1	1615.1	1619.8	1633.9	1659.7
157.5°	1747.4	1711.3	1690.2	1678.9	1675.6	1670.5	1675.6	1678.9	1690.2	1711.3	1747.4
160°	1807.4	1767.5	1746.4	1727.7	1720.6	1713.6	1720.6	1727.7	1746.4	1767.5	1807.4
162.5°	1863.6	1825.7	1802.7	1785.8	1778.8	1768.0	1778.8	1785.8	1802.7	1825.7	1863.6
165°	1955.1	1915.2	1889.4	1875.3	1866.0	1856.6	1866.0	1875.3	1889.4	1915.2	1955.1
167.5°	2046.5	2002.9	1986.0	1970.1	1961.1	1944.3	1961.1	1970.1	1986.0	2002.9	2046.5
170°	2102.7	2062.9	2053.5	2039.4	2023.0	2004.3	2023.0	2039.4	2053.5	2062.9	2102.7
172.5°	2151.5	2124.8	2115.4	2101.3	2096.2	2081.2	2096.2	2101.3	2115.4	2124.8	2151.5
175°	2222.3	2201.2	2201.2	2198.8	2191.8	2177.7	2191.8	2198.8	2201.2	2201.2	2222.3
177.5°	2281.4	2270.1	2277.6	2277.6	2275.7	2262.6	2275.7	2277.6	2277.6	2270.1	2281.4
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1428319

CATALOG NUMBER: SQ2W-PR1-K-150U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2761.0	2761.0	2761.0	2761.0
2.5°	2773.0	2779.8	2764.8	2749.8
5°	2784.5	2789.5	2768.2	2747.0
7.5°	2809.3	2806.9	2776.7	2746.4
10°	2822.0	2816.7	2780.4	2744.1
12.5°	2810.8	2815.2	2772.9	2730.6
15°	2770.4	2790.7	2740.7	2690.7
17.5°	2706.6	2724.9	2672.6	2620.3
20°	2665.3	2677.8	2626.6	2575.3
22.5°	2629.3	2637.3	2586.0	2534.7
25°	2567.8	2566.8	2521.8	2476.8
27.5°	2486.5	2469.0	2442.5	2416.0
30°	2431.7	2399.2	2381.7	2364.2
32.5°	2374.7	2328.9	2318.4	2307.9
35°	2291.0	2232.5	2223.8	2215.0
37.5°	2188.4	2140.7	2122.7	2104.7
40°	2115.6	2083.7	2053.7	2023.6
42.5°	2027.8	2020.6	1972.6	1924.6
45°	1860.4	1897.6	1832.6	1767.5
47.5°	1645.7	1715.9	1649.1	1582.3
50°	1488.9	1568.3	1514.5	1460.7
52.5°	1335.8	1414.4	1375.7	1336.9
55°	1112.7	1185.5	1165.5	1145.5
57.5°	926.3	995.4	982.6	969.9
60°	811.5	881.6	872.8	864.1
62.5°	713.2	780.7	774.0	767.2
65°	585.4	643.0	636.7	630.5
67.5°	480.9	528.3	525.1	521.8
70°	419.4	461.3	460.0	458.8
72.5°	361.6	399.0	400.7	402.5
75°	279.6	310.5	314.3	318.0
77.5°	203.8	229.5	233.5	237.5
80°	155.7	175.8	180.8	185.8
82.5°	112.2	124.5	131.5	138.5
85°	53.5	55.0	61.3	67.5
87.5°	22.7	23.2	21.3	19.4
90°	42.2	25.8	16.4	7.0
92.5°	91.0	63.3	44.5	25.8
95°	182.8	145.3	103.1	72.7
97.5°	291.1	230.7	188.9	138.8
100°	349.3	290.7	250.8	196.9
102.5°	413.0	363.8	309.0	255.0
105°	527.4	466.5	403.2	342.3
107.5°	633.4	566.4	490.4	435.5
110°	700.9	628.2	548.5	499.3



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	766.5	692.0	610.4	561.2
115°	855.6	773.6	698.6	656.4
117.5°	941.4	857.0	777.8	744.5
120°	993.9	909.5	832.2	806.4
122.5°	1037.1	954.6	882.8	872.0
125°	1101.8	1017.4	956.4	970.5
127.5°	1154.3	1076.9	1038.5	1069.9
130°	1186.2	1118.2	1094.7	1139.3
132.5°	1214.3	1161.3	1151.0	1212.4
135°	1256.5	1226.0	1235.4	1319.8
137.5°	1306.6	1294.9	1326.3	1432.8
140°	1338.5	1345.6	1390.1	1509.7
142.5°	1381.7	1398.1	1455.7	1582.8
145°	1448.7	1483.9	1558.9	1685.5
147.5°	1524.7	1570.1	1663.0	1792.8
150°	1575.3	1633.9	1732.4	1856.6
152.5°	1633.4	1693.9	1792.4	1918.5
155°	1723.0	1791.0	1894.1	2001.9
157.5°	1814.4	1883.8	1982.2	2076.5
160°	1870.7	1945.7	2034.8	2121.5
162.5°	1934.4	2003.8	2081.6	2159.0
165°	2027.7	2084.0	2147.3	2212.9
167.5°	2106.0	2152.9	2202.6	2253.7
170°	2156.7	2194.2	2236.4	2276.2
172.5°	2199.8	2229.8	2260.7	2295.0
175°	2257.5	2273.9	2292.6	2313.7
177.5°	2302.0	2307.6	2313.2	2322.6
180°	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1428319
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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	19.82	20.64	20.79	21.62	22.90	16.19	17.01	17.16	17.98	19.27
	3H	21.02	21.75	22.00	22.74	24.04	17.35	18.08	18.33	19.06	20.37
	4H	21.51	22.20	22.50	23.19	24.50	17.81	18.50	18.80	19.49	20.80
	6H	21.80	22.44	22.81	23.43	24.76	18.15	18.78	19.15	19.78	21.10
	8H	21.90	22.51	22.92	23.52	24.84	18.29	18.89	19.30	19.90	21.22
	12H	21.94	22.52	22.96	23.52	24.87	18.31	18.89	19.33	19.89	21.24
4H	2H	19.92	20.61	20.92	21.60	22.91	16.89	17.58	17.90	18.58	19.89
	3H	21.37	21.95	22.38	22.97	24.29	18.25	18.82	19.26	19.84	21.16
	4H	22.00	22.52	23.02	23.54	24.89	18.79	19.31	19.81	20.32	21.67
	6H	22.43	22.88	23.46	23.92	25.26	19.22	19.67	20.25	20.71	22.05
	8H	22.59	23.01	23.62	24.04	25.40	19.40	19.82	20.43	20.85	22.21
	12H	22.65	23.03	23.70	24.07	25.44	19.45	19.83	20.49	20.87	22.24
8H	4H	22.02	22.44	23.05	23.47	24.83	19.11	19.53	20.14	20.56	21.92
	6H	22.55	22.90	23.61	23.97	25.33	19.65	20.00	20.71	21.07	22.43
	8H	22.79	23.09	23.85	24.15	25.53	19.92	20.22	20.98	21.28	22.65
	12H	22.91	23.17	23.97	24.22	25.64	20.01	20.28	21.07	21.33	22.75
12H	4H	21.98	22.36	23.03	23.40	24.77	19.13	19.51	20.18	20.55	21.92
	6H	22.54	22.85	23.60	23.90	25.28	19.73	20.03	20.78	21.09	22.46
	8H	22.79	23.06	23.86	24.11	25.53	20.01	20.28	21.07	21.33	22.75