

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: P1428139

Luminaire Tested: SQ2W-PP3-K-150U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428139  
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-075D-L840-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1500 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

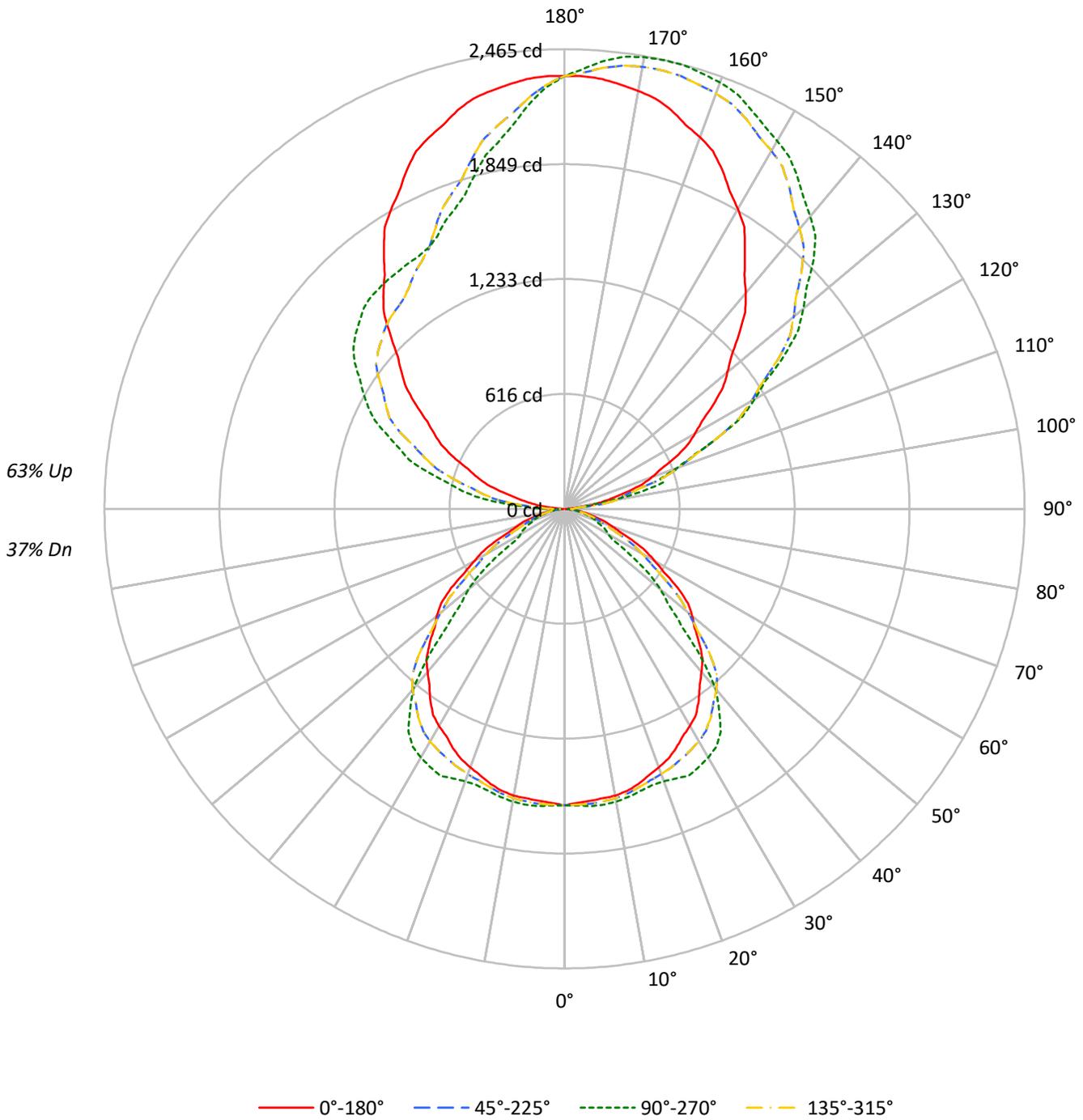
Lumens per Lamp: N/A  
Luminaire Lumens: 10791.1 lumens  
Efficiency: N/A  
Efficacy: 131.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 81.8  
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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	88	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32
2	87	80	74	69	79	73	68	64	59	56	53	47	45	43	35	34	33	27
3	80	71	64	58	72	64	58	54	53	48	45	42	39	36	32	30	28	24
4	73	63	55	49	66	57	51	46	47	42	38	37	34	31	28	26	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	23	21	18
6	62	50	42	37	56	46	39	34	38	33	29	30	27	24	23	21	19	16
7	57	45	37	32	52	41	35	30	34	29	25	28	24	21	21	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	25	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	18	16	14	11
10	46	34	27	22	42	31	25	21	26	21	18	21	18	15	17	14	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	25678	25678	25678	25678
5°	25476	25940	25476	25940
10°	25605	26130	25605	26130
15°	25544	26191	25544	26191
20°	25362	26719	25362	26719
25°	25218	28122	25218	28122
30°	25073	28711	25073	28711
35°	24720	28763	24720	28763
40°	24059	26575	24059	26575
45°	23340	20230	23340	20230
50°	22423	16849	22423	16849
55°	20870	12115	20870	12115
60°	17970	8686	17970	8686
65°	15159	8542	15159	8542
70°	12618	8176	12618	8176
75°	10698	7654	10698	7654
80°	9065	6880	9065	6880
85°	7169	3742	7169	3742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 25532 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.4	1.4
10°-20°	438.3	4.1
20°-30°	686.6	6.4
30°-40°	847.0	7.8
40°-50°	797.4	7.4
50°-60°	564.7	5.2
60°-70°	321.7	3.0
70°-80°	159.3	1.5
80°-90°	48.5	0.4
90°-100°	184.7	1.7
100°-110°	538.6	5.0
110°-120°	879.0	8.1
120°-130°	1115.4	10.3
130°-140°	1193.5	11.1
140°-150°	1114.5	10.3
150°-160°	917.1	8.5
160°-170°	615.0	5.7
170°-180°	218.4	2.0
0°-30°	1276.4	11.8
0°-40°	2123.4	19.7
0°-60°	3485.5	32.3
0°-90°	4015.0	37.2
90°-120°	1602.3	14.8
90°-150°	5025.7	46.6
90°-180°	6776.0	62.8
0°-180°	10791.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1590	1590	1590	1590	1590	
5°	1572	1600	1572	1600	1572	150
15°	1528	1567	1528	1567	1528	431
25°	1416	1579	1416	1579	1416	652
35°	1254	1459	1254	1459	1254	782
45°	1022	886	1022	886	1022	787
55°	741	430	741	430	741	654
65°	397	224	397	224	397	398
75°	172	123	172	123	172	186
85°	39	20	39	20	39	46
90°	7	52	7	101	7	7
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°	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4
2.5°	1578.3	1588.5	1598.6	1596.2	1589.7	1587.0	1588.2	1589.4	1590.5	1591.7	1590.5
5°	1571.9	1584.6	1597.3	1595.4	1588.7	1586.1	1587.6	1590.0	1595.3	1600.5	1595.3
7.5°	1565.9	1578.9	1591.9	1590.2	1583.6	1581.6	1584.1	1587.6	1594.1	1600.5	1594.1
10°	1561.8	1573.0	1584.2	1582.6	1576.6	1575.5	1579.2	1583.3	1588.5	1593.8	1588.5
12.5°	1549.7	1560.3	1570.9	1569.6	1564.2	1563.9	1568.9	1573.7	1578.4	1583.0	1578.4
15°	1528.2	1537.9	1547.6	1547.8	1544.8	1546.7	1553.4	1559.4	1563.1	1566.9	1563.1
17.5°	1498.9	1510.7	1522.6	1525.3	1525.0	1529.6	1539.2	1547.3	1551.2	1555.1	1551.2
20°	1476.1	1490.3	1504.5	1509.1	1510.6	1517.4	1529.3	1540.2	1547.6	1555.1	1547.6
22.5°	1451.9	1468.5	1485.0	1491.2	1493.9	1504.2	1522.1	1538.8	1551.7	1564.5	1551.7
25°	1415.6	1432.0	1448.4	1460.4	1470.8	1489.2	1515.3	1539.8	1559.2	1578.6	1559.2
27.5°	1373.2	1389.5	1405.8	1426.3	1448.3	1474.0	1503.4	1529.4	1544.7	1560.1	1544.7
30°	1344.9	1360.6	1376.3	1399.9	1426.0	1454.4	1485.0	1511.6	1525.8	1540.0	1525.8
32.5°	1310.0	1326.3	1342.6	1367.6	1395.5	1426.0	1459.0	1487.1	1500.1	1513.1	1500.1
35°	1254.2	1269.9	1285.5	1314.7	1348.3	1382.3	1416.7	1444.3	1451.8	1459.3	1451.8
37.5°	1189.9	1207.7	1225.5	1258.2	1295.9	1324.3	1343.6	1358.2	1358.6	1359.1	1358.6
40°	1141.5	1164.7	1187.8	1220.5	1256.4	1276.2	1279.9	1280.3	1270.6	1260.9	1270.6
42.5°	1094.5	1124.2	1153.9	1180.2	1205.3	1210.5	1195.7	1173.8	1130.6	1087.4	1130.6
45°	1022.2	1057.3	1092.4	1108.5	1118.2	1085.3	1009.8	945.8	915.9	886.0	915.9
47.5°	945.2	979.8	1014.5	1010.1	992.6	942.8	860.8	794.1	773.5	752.8	773.5
50°	892.7	925.6	958.5	934.7	892.1	836.1	766.6	709.6	690.2	670.8	690.2
52.5°	833.5	862.8	892.1	856.3	798.7	739.7	679.2	626.4	596.8	567.2	596.8
55°	741.4	761.6	781.8	742.5	683.5	618.5	547.5	487.2	458.8	430.4	458.8
57.5°	630.4	644.6	658.8	628.0	582.1	517.5	434.1	363.6	331.8	299.9	331.8
60°	556.5	567.7	578.9	550.9	509.8	448.1	365.9	300.4	284.7	269.0	284.7
62.5°	489.2	499.2	509.2	480.0	437.7	382.7	314.8	262.6	257.0	251.5	257.0
65°	396.8	406.5	416.2	385.6	341.5	298.5	256.7	225.1	224.3	223.6	224.3
67.5°	315.7	326.3	336.9	308.1	266.1	234.4	212.8	196.5	195.6	194.7	195.6
70°	267.3	278.5	289.7	262.8	223.2	197.4	185.5	176.2	174.7	173.2	174.7
72.5°	227.0	237.6	248.2	224.7	189.9	168.6	160.8	154.8	153.9	153.0	153.9
75°	171.5	179.7	187.9	170.9	145.5	130.9	127.2	124.2	123.5	122.7	123.5
77.5°	124.4	129.6	134.9	123.7	107.1	97.9	95.9	94.3	93.5	92.8	93.5
80°	97.5	99.8	102.0	94.1	82.9	77.0	76.2	75.5	74.7	74.0	74.7
82.5°	73.3	72.6	71.8	67.2	61.4	58.1	57.4	56.5	55.1	53.8	55.1
85°	38.7	37.2	35.7	34.2	32.7	30.4	27.5	24.7	22.4	20.2	22.4
87.5°	13.5	15.4	17.7	17.4	15.8	14.5	13.9	13.9	14.3	14.3	14.3
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°	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4
2.5°	1589.4	1588.2	1587.0	1589.7	1596.2	1598.6	1588.5	1578.3	1588.5	1598.6	1596.2
5°	1590.0	1587.6	1586.1	1588.7	1595.4	1597.3	1584.6	1571.9	1584.6	1597.3	1595.4
7.5°	1587.6	1584.1	1581.6	1583.6	1590.2	1591.9	1578.9	1565.9	1578.9	1591.9	1590.2
10°	1583.3	1579.2	1575.5	1576.6	1582.6	1584.2	1573.0	1561.8	1573.0	1584.2	1582.6
12.5°	1573.7	1568.9	1563.9	1564.2	1569.6	1570.9	1560.3	1549.7	1560.3	1570.9	1569.6
15°	1559.4	1553.4	1546.7	1544.8	1547.8	1547.6	1537.9	1528.2	1537.9	1547.6	1547.8
17.5°	1547.3	1539.2	1529.6	1525.0	1525.3	1522.6	1510.7	1498.9	1510.7	1522.6	1525.3
20°	1540.2	1529.3	1517.4	1510.6	1509.1	1504.5	1490.3	1476.1	1490.3	1504.5	1509.1
22.5°	1538.8	1522.1	1504.2	1493.9	1491.2	1485.0	1468.5	1451.9	1468.5	1485.0	1491.2
25°	1539.8	1515.3	1489.2	1470.8	1460.4	1448.4	1432.0	1415.6	1432.0	1448.4	1460.4
27.5°	1529.4	1503.4	1474.0	1448.3	1426.3	1405.8	1389.5	1373.2	1389.5	1405.8	1426.3
30°	1511.6	1485.0	1454.4	1426.0	1399.9	1376.3	1360.6	1344.9	1360.6	1376.3	1399.9
32.5°	1487.1	1459.0	1426.0	1395.5	1367.6	1342.6	1326.3	1310.0	1326.3	1342.6	1367.6
35°	1444.3	1416.7	1382.3	1348.3	1314.7	1285.5	1269.9	1254.2	1269.9	1285.5	1314.7
37.5°	1358.2	1343.6	1324.3	1295.9	1258.2	1225.5	1207.7	1189.9	1207.7	1225.5	1258.2
40°	1280.3	1279.9	1276.2	1256.4	1220.5	1187.8	1164.7	1141.5	1164.7	1187.8	1220.5
42.5°	1173.8	1195.7	1210.5	1205.3	1180.2	1153.9	1124.2	1094.5	1124.2	1153.9	1180.2
45°	945.8	1009.8	1085.3	1118.2	1108.5	1092.4	1057.3	1022.2	1057.3	1092.4	1108.5
47.5°	794.1	860.8	942.8	992.6	1010.1	1014.5	979.8	945.2	979.8	1014.5	1010.1
50°	709.6	766.6	836.1	892.1	934.7	958.5	925.6	892.7	925.6	958.5	934.7
52.5°	626.4	679.2	739.7	798.7	856.3	892.1	862.8	833.5	862.8	892.1	856.3
55°	487.2	547.5	618.5	683.5	742.5	781.8	761.6	741.4	761.6	781.8	742.5
57.5°	363.6	434.1	517.5	582.1	628.0	658.8	644.6	630.4	644.6	658.8	628.0
60°	300.4	365.9	448.1	509.8	550.9	578.9	567.7	556.5	567.7	578.9	550.9
62.5°	262.6	314.8	382.7	437.7	480.0	509.2	499.2	489.2	499.2	509.2	480.0
65°	225.1	256.7	298.5	341.5	385.6	416.2	406.5	396.8	406.5	416.2	385.6
67.5°	196.5	212.8	234.4	266.1	308.1	336.9	326.3	315.7	326.3	336.9	308.1
70°	176.2	185.5	197.4	223.2	262.8	289.7	278.5	267.3	278.5	289.7	262.8
72.5°	154.8	160.8	168.6	189.9	224.7	248.2	237.6	227.0	237.6	248.2	224.7
75°	124.2	127.2	130.9	145.5	170.9	187.9	179.7	171.5	179.7	187.9	170.9
77.5°	94.3	95.9	97.9	107.1	123.7	134.9	129.6	124.4	129.6	134.9	123.7
80°	75.5	76.2	77.0	82.9	94.1	102.0	99.8	97.5	99.8	102.0	94.1
82.5°	56.5	57.4	58.1	61.4	67.2	71.8	72.6	73.3	72.6	71.8	67.2
85°	24.7	27.5	30.4	32.7	34.2	35.7	37.2	38.7	37.2	35.7	34.2
87.5°	13.9	13.9	14.5	15.8	17.4	17.7	15.4	13.5	15.4	17.3	18.3
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: P1428139

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-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



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**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4	1590.4
2.5°	1589.7	1587.0	1588.2	1589.4	1590.5	1591.7	1590.5	1589.4	1588.2	1587.0	1589.7
5°	1588.7	1586.1	1587.6	1590.0	1595.3	1600.5	1595.3	1590.0	1587.6	1586.1	1588.7
7.5°	1583.6	1581.6	1584.1	1587.6	1594.1	1600.5	1594.1	1587.6	1584.1	1581.6	1583.6
10°	1576.6	1575.5	1579.2	1583.3	1588.5	1593.8	1588.5	1583.3	1579.2	1575.5	1576.6
12.5°	1564.2	1563.9	1568.9	1573.7	1578.4	1583.0	1578.4	1573.7	1568.9	1563.9	1564.2
15°	1544.8	1546.7	1553.4	1559.4	1563.1	1566.9	1563.1	1559.4	1553.4	1546.7	1544.8
17.5°	1525.0	1529.6	1539.2	1547.3	1551.2	1555.1	1551.2	1547.3	1539.2	1529.6	1525.0
20°	1510.6	1517.4	1529.3	1540.2	1547.6	1555.1	1547.6	1540.2	1529.3	1517.4	1510.6
22.5°	1493.9	1504.2	1522.1	1538.8	1551.7	1564.5	1551.7	1538.8	1522.1	1504.2	1493.9
25°	1470.8	1489.2	1515.3	1539.8	1559.2	1578.6	1559.2	1539.8	1515.3	1489.2	1470.8
27.5°	1448.3	1474.0	1503.4	1529.4	1544.7	1560.1	1544.7	1529.4	1503.4	1474.0	1448.3
30°	1426.0	1454.4	1485.0	1511.6	1525.8	1540.0	1525.8	1511.6	1485.0	1454.4	1426.0
32.5°	1395.5	1426.0	1459.0	1487.1	1500.1	1513.1	1500.1	1487.1	1459.0	1426.0	1395.5
35°	1348.3	1382.3	1416.7	1444.3	1451.8	1459.3	1451.8	1444.3	1416.7	1382.3	1348.3
37.5°	1295.9	1324.3	1343.6	1358.2	1358.6	1359.1	1358.6	1358.2	1343.6	1324.3	1295.9
40°	1256.4	1276.2	1279.9	1280.3	1270.6	1260.9	1270.6	1280.3	1279.9	1276.2	1256.4
42.5°	1205.3	1210.5	1195.7	1173.8	1130.6	1087.4	1130.6	1173.8	1195.7	1210.5	1205.3
45°	1118.2	1085.3	1009.8	945.8	915.9	886.0	915.9	945.8	1009.8	1085.3	1118.2
47.5°	992.6	942.8	860.8	794.1	773.5	752.8	773.5	794.1	860.8	942.8	992.6
50°	892.1	836.1	766.6	709.6	690.2	670.8	690.2	709.6	766.6	836.1	892.1
52.5°	798.7	739.7	679.2	626.4	596.8	567.2	596.8	626.4	679.2	739.7	798.7
55°	683.5	618.5	547.5	487.2	458.8	430.4	458.8	487.2	547.5	618.5	683.5
57.5°	582.1	517.5	434.1	363.6	331.8	299.9	331.8	363.6	434.1	517.5	582.1
60°	509.8	448.1	365.9	300.4	284.7	269.0	284.7	300.4	365.9	448.1	509.8
62.5°	437.7	382.7	314.8	262.6	257.0	251.5	257.0	262.6	314.8	382.7	437.7
65°	341.5	298.5	256.7	225.1	224.3	223.6	224.3	225.1	256.7	298.5	341.5
67.5°	266.1	234.4	212.8	196.5	195.6	194.7	195.6	196.5	212.8	234.4	266.1
70°	223.2	197.4	185.5	176.2	174.7	173.2	174.7	176.2	185.5	197.4	223.2
72.5°	189.9	168.6	160.8	154.8	153.9	153.0	153.9	154.8	160.8	168.6	189.9
75°	145.5	130.9	127.2	124.2	123.5	122.7	123.5	124.2	127.2	130.9	145.5
77.5°	107.1	97.9	95.9	94.3	93.5	92.8	93.5	94.3	95.9	97.9	107.1
80°	82.9	77.0	76.2	75.5	74.7	74.0	74.7	75.5	76.2	77.0	82.9
82.5°	61.4	58.1	57.4	56.5	55.1	53.8	55.1	56.5	57.4	58.1	61.4
85°	32.7	30.4	27.5	24.7	22.4	20.2	22.4	24.7	27.5	30.4	32.7
87.5°	17.7	19.1	21.8	23.3	25.1	24.2	25.1	23.3	21.8	19.1	17.7
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: P1428139

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-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: P1428139

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1590.4	1590.4	1590.4	1590.4
2.5°	1596.2	1598.6	1588.5	1578.3
5°	1595.4	1597.3	1584.6	1571.9
7.5°	1590.2	1591.9	1578.9	1565.9
10°	1582.6	1584.2	1573.0	1561.8
12.5°	1569.6	1570.9	1560.3	1549.7
15°	1547.8	1547.6	1537.9	1528.2
17.5°	1525.3	1522.6	1510.7	1498.9
20°	1509.1	1504.5	1490.3	1476.1
22.5°	1491.2	1485.0	1468.5	1451.9
25°	1460.4	1448.4	1432.0	1415.6
27.5°	1426.3	1405.8	1389.5	1373.2
30°	1399.9	1376.3	1360.6	1344.9
32.5°	1367.6	1342.6	1326.3	1310.0
35°	1314.7	1285.5	1269.9	1254.2
37.5°	1258.2	1225.5	1207.7	1189.9
40°	1220.5	1187.8	1164.7	1141.5
42.5°	1180.2	1153.9	1124.2	1094.5
45°	1108.5	1092.4	1057.3	1022.2
47.5°	1010.1	1014.5	979.8	945.2
50°	934.7	958.5	925.6	892.7
52.5°	856.3	892.1	862.8	833.5
55°	742.5	781.8	761.6	741.4
57.5°	628.0	658.8	644.6	630.4
60°	550.9	578.9	567.7	556.5
62.5°	480.0	509.2	499.2	489.2
65°	385.6	416.2	406.5	396.8
67.5°	308.1	336.9	326.3	315.7
70°	262.8	289.7	278.5	267.3
72.5°	224.7	248.2	237.6	227.0
75°	170.9	187.9	179.7	171.5
77.5°	123.7	134.9	129.6	124.4
80°	94.1	102.0	99.8	97.5
82.5°	67.2	71.8	72.6	73.3
85°	34.2	35.7	37.2	38.7
87.5°	18.3	17.3	15.4	13.5
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



TEST NUMBER: P1428139

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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: P1428139  
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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	17.40	18.14	18.47	19.20	20.65	13.17	13.91	14.24	14.97	16.42
	3H	18.45	19.11	19.53	20.18	21.65	14.47	15.13	15.55	16.20	17.67
	4H	18.81	19.44	19.90	20.51	21.98	15.02	15.65	16.11	16.72	18.19
	6H	19.00	19.57	20.10	20.65	22.13	15.38	15.95	16.48	17.03	18.51
	8H	19.06	19.60	20.16	20.70	22.17	15.51	16.05	16.61	17.14	18.62
	12H	19.08	19.59	20.18	20.68	22.18	15.54	16.05	16.64	17.14	18.64
4H	2H	17.50	18.13	18.60	19.20	20.67	14.07	14.69	15.16	15.76	17.23
	3H	18.79	19.30	19.89	20.40	21.89	15.48	15.99	16.58	17.10	18.58
	4H	19.29	19.76	20.39	20.85	22.36	16.09	16.57	17.20	17.66	19.16
	6H	19.60	20.00	20.71	21.12	22.61	16.53	16.94	17.64	18.05	19.55
	8H	19.71	20.08	20.82	21.19	22.70	16.70	17.08	17.81	18.19	19.70
	12H	19.74	20.09	20.87	21.21	22.72	16.74	17.09	17.87	18.21	19.72
8H	4H	19.30	19.68	20.41	20.78	22.30	16.39	16.77	17.50	17.88	19.39
	6H	19.71	20.02	20.84	21.17	22.68	16.95	17.26	18.08	18.41	19.92
	8H	19.89	20.16	21.03	21.29	22.82	17.20	17.47	18.34	18.60	20.13
	12H	19.98	20.22	21.12	21.35	22.91	17.29	17.53	18.43	18.66	20.22
12H	4H	19.25	19.60	20.38	20.72	22.23	16.40	16.74	17.53	17.86	19.38
	6H	19.70	19.97	20.84	21.10	22.63	17.01	17.29	18.15	18.42	19.95
	8H	19.89	20.13	21.03	21.26	22.82	17.28	17.53	18.43	18.65	20.22