

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: P1436045

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436045
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-150U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL 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

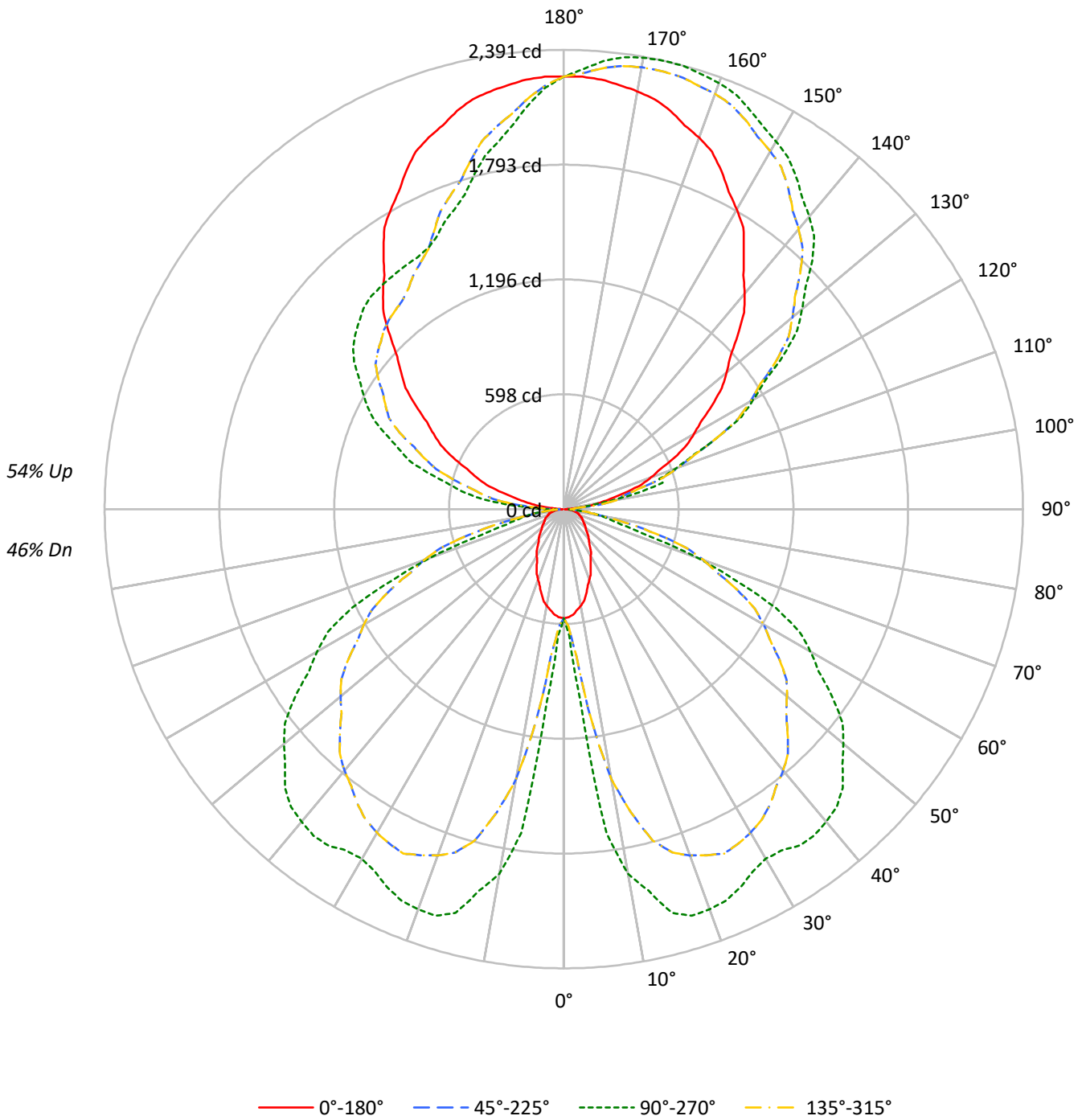
Lumens per Lamp: N/A
Luminaire Lumens: 12192.8 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46
1	97	92	88	85	89	85	82	78	71	68	66	58	56	55	46	45	44	38
2	88	80	74	69	80	74	68	64	62	58	54	50	48	45	40	38	36	32
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	33	31	26
4	73	62	54	47	66	57	50	44	48	42	38	39	35	32	31	28	26	22
5	66	55	46	40	61	50	43	38	42	37	32	35	30	27	28	25	22	19
6	61	49	40	35	56	45	38	32	38	32	28	31	27	23	25	22	19	16
7	56	44	36	30	51	40	33	28	34	28	24	28	24	20	22	19	17	14
8	52	39	32	26	47	36	29	25	31	25	21	25	21	18	20	17	15	12
9	48	36	28	23	44	33	26	22	28	23	19	23	19	16	19	16	13	11
10	45	33	25	20	41	30	24	19	26	20	17	21	17	14	17	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9171	9171	9171	9171
5°	8940	16241	8940	16241
10°	8371	31606	8371	31606
15°	7577	36377	7577	36377
20°	6709	38095	6709	38095
25°	5934	38720	5934	38720
30°	5242	39197	5242	39197
35°	4683	42140	4683	42140
40°	4260	44775	4260	44775
45°	3927	46886	3927	46886
50°	3705	47737	3705	47737
55°	3612	48115	3612	48115
60°	3704	47878	3704	47878
65°	3859	46524	3859	46524
70°	3994	35188	3994	35188
75°	4429	19419	4429	19419
80°	4575	18029	4575	18029
85°	4557	7595	4557	7595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 48551 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	0.8
10°-20°	434.2	3.6
20°-30°	764.0	6.3
30°-40°	989.0	8.1
40°-50°	1090.7	8.9
50°-60°	1018.0	8.3
60°-70°	786.5	6.5
70°-80°	362.5	3.0
80°-90°	78.6	0.6
90°-100°	179.2	1.5
100°-110°	522.6	4.3
110°-120°	852.8	7.0
120°-130°	1082.1	8.9
130°-140°	1157.9	9.5
140°-150°	1081.2	8.9
150°-160°	889.7	7.3
160°-170°	596.7	4.9
170°-180°	211.9	1.7
0°-30°	1293.4	10.6
0°-40°	2282.4	18.7
0°-60°	4391.1	36.0
0°-90°	5618.7	46.1
90°-120°	1554.5	12.7
90°-150°	4875.8	40.0
90°-180°	6574.0	53.9
0°-180°	12192.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	552	1002	552	1002	552	51
15°	453	2176	453	2176	453	126
25°	333	2174	333	2174	333	153
35°	238	2138	238	2138	238	149
45°	172	2053	172	2053	172	133
55°	128	1709	128	1709	128	116
65°	101	1218	101	1218	101	99
75°	71	311	71	311	71	73
85°	25	41	25	41	25	26
90°	7	50	7	98	7	7
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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	563.6	574.3	584.9	596.4	608.0	620.6	634.2	645.9	651.7	657.5	651.7
5°	551.6	588.0	624.4	677.2	735.4	801.6	875.6	939.0	970.6	1002.1	970.6
7.5°	530.3	604.3	678.3	835.2	1019.7	1211.2	1409.7	1574.4	1637.5	1700.6	1637.5
10°	510.6	613.8	716.9	983.0	1303.4	1549.7	1722.1	1859.8	1893.8	1927.8	1893.8
12.5°	488.8	628.8	768.9	1097.3	1488.6	1744.6	1865.5	1964.9	1999.9	2034.8	1999.9
15°	453.3	653.5	853.8	1225.1	1653.5	1916.9	2015.2	2098.6	2137.4	2176.3	2137.4
17.5°	416.7	683.2	949.7	1328.5	1744.8	2001.6	2098.9	2177.2	2198.3	2219.4	2198.3
20°	390.5	703.6	1016.7	1396.2	1797.9	2040.6	2124.4	2190.5	2203.9	2217.2	2203.9
22.5°	366.4	716.4	1066.4	1446.5	1836.5	2063.2	2126.6	2177.7	2192.0	2206.3	2192.0
25°	333.1	727.5	1122.0	1500.9	1874.7	2081.6	2121.6	2154.1	2163.8	2173.5	2163.8
27.5°	300.9	717.7	1134.4	1508.5	1868.5	2061.6	2087.8	2109.8	2119.3	2128.7	2119.3
30°	281.2	704.8	1128.3	1499.1	1852.2	2038.5	2057.9	2075.8	2089.2	2102.5	2089.2
32.5°	263.8	689.3	1114.7	1480.9	1827.2	2009.6	2028.1	2049.1	2078.0	2106.9	2078.0
35°	237.6	656.2	1074.9	1437.2	1780.6	1966.9	1996.0	2031.2	2084.6	2138.0	2084.6
37.5°	215.2	614.0	1012.7	1371.3	1716.4	1919.5	1980.4	2038.9	2090.4	2141.9	2090.4
40°	202.1	584.3	966.6	1322.5	1669.6	1883.8	1965.1	2037.0	2080.7	2124.4	2080.7
42.5°	189.0	550.8	912.7	1265.7	1615.7	1838.2	1933.1	2015.2	2058.8	2102.5	2058.8
45°	172.0	497.3	822.5	1172.3	1530.3	1765.2	1876.8	1970.9	2012.1	2053.4	2012.1
47.5°	156.2	438.7	721.2	1072.6	1446.8	1693.2	1811.6	1908.0	1938.1	1968.2	1938.1
50°	147.5	399.9	652.3	1004.8	1390.8	1642.0	1758.5	1851.9	1876.2	1900.5	1876.2
52.5°	138.7	362.0	585.3	938.6	1335.2	1588.3	1698.0	1785.9	1808.2	1830.6	1808.2
55°	128.3	310.4	492.4	841.9	1247.3	1497.9	1593.7	1670.5	1689.9	1709.3	1689.9
57.5°	119.1	265.9	412.7	751.3	1153.7	1395.8	1477.6	1542.9	1558.7	1574.4	1558.7
60°	114.7	242.1	369.5	694.5	1085.2	1317.6	1391.7	1451.1	1466.9	1482.7	1466.9
62.5°	108.1	219.1	330.0	637.7	1011.0	1231.7	1299.9	1354.8	1369.6	1384.4	1369.6
65°	101.0	190.8	280.6	557.9	897.7	1096.2	1153.2	1198.4	1208.1	1217.8	1208.1
67.5°	91.2	167.4	243.6	484.9	781.3	947.2	982.6	1004.7	986.5	968.3	986.5
70°	84.6	155.0	225.4	440.5	703.9	841.6	853.8	849.8	797.6	745.4	797.6
72.5°	80.3	142.9	205.5	391.7	619.2	719.5	692.8	648.1	549.3	450.5	549.3
75°	71.0	122.0	172.9	313.1	483.0	509.7	393.2	306.4	308.9	311.3	308.9
77.5°	57.9	96.0	134.1	220.3	322.4	342.7	281.1	235.4	237.6	239.7	237.6
80°	49.2	79.5	109.8	143.8	179.0	195.4	193.0	191.4	192.7	193.9	192.7
82.5°	40.4	63.0	85.6	105.9	125.6	136.6	139.1	140.5	138.8	137.1	138.8
85°	24.6	37.9	51.3	59.2	65.2	63.4	53.7	45.8	43.4	41.0	43.4
87.5°	10.1	16.8	23.9	24.0	21.5	20.0	20.0	20.5	20.9	20.9	20.9
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°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	645.9	634.2	620.6	608.0	596.4	584.9	574.3	563.6	574.3	584.9	596.4
5°	939.0	875.6	801.6	735.4	677.2	624.4	588.0	551.6	588.0	624.4	677.2
7.5°	1574.4	1409.7	1211.2	1019.7	835.2	678.3	604.3	530.3	604.3	678.3	835.2
10°	1859.8	1722.1	1549.7	1303.4	983.0	716.9	613.8	510.6	613.8	716.9	983.0
12.5°	1964.9	1865.5	1744.6	1488.6	1097.3	768.9	628.8	488.8	628.8	768.9	1097.3
15°	2098.6	2015.2	1916.9	1653.5	1225.1	853.8	653.5	453.3	653.5	853.8	1225.1
17.5°	2177.2	2098.9	2001.6	1744.8	1328.5	949.7	683.2	416.7	683.2	949.7	1328.5
20°	2190.5	2124.4	2040.6	1797.9	1396.2	1016.7	703.6	390.5	703.6	1016.7	1396.2
22.5°	2177.7	2126.6	2063.2	1836.5	1446.5	1066.4	716.4	366.4	716.4	1066.4	1446.5
25°	2154.1	2121.6	2081.6	1874.7	1500.9	1122.0	727.5	333.1	727.5	1122.0	1500.9
27.5°	2109.8	2087.8	2061.6	1868.5	1508.5	1134.4	717.7	300.9	717.7	1134.4	1508.5
30°	2075.8	2057.9	2038.5	1852.2	1499.1	1128.3	704.8	281.2	704.8	1128.3	1499.1
32.5°	2049.1	2028.1	2009.6	1827.2	1480.9	1114.7	689.3	263.8	689.3	1114.7	1480.9
35°	2031.2	1996.0	1966.9	1780.6	1437.2	1074.9	656.2	237.6	656.2	1074.9	1437.2
37.5°	2038.9	1980.4	1919.5	1716.4	1371.3	1012.7	614.0	215.2	614.0	1012.7	1371.3
40°	2037.0	1965.1	1883.8	1669.6	1322.5	966.6	584.3	202.1	584.3	966.6	1322.5
42.5°	2015.2	1933.1	1838.2	1615.7	1265.7	912.7	550.8	189.0	550.8	912.7	1265.7
45°	1970.9	1876.8	1765.2	1530.3	1172.3	822.5	497.3	172.0	497.3	822.5	1172.3
47.5°	1908.0	1811.6	1693.2	1446.8	1072.6	721.2	438.7	156.2	438.7	721.2	1072.6
50°	1851.9	1758.5	1642.0	1390.8	1004.8	652.3	399.9	147.5	399.9	652.3	1004.8
52.5°	1785.9	1698.0	1588.3	1335.2	938.6	585.3	362.0	138.7	362.0	585.3	938.6
55°	1670.5	1593.7	1497.9	1247.3	841.9	492.4	310.4	128.3	310.4	492.4	841.9
57.5°	1542.9	1477.6	1395.8	1153.7	751.3	412.7	265.9	119.1	265.9	412.7	751.3
60°	1451.1	1391.7	1317.6	1085.2	694.5	369.5	242.1	114.7	242.1	369.5	694.5
62.5°	1354.8	1299.9	1231.7	1011.0	637.7	330.0	219.1	108.1	219.1	330.0	637.7
65°	1198.4	1153.2	1096.2	897.7	557.9	280.6	190.8	101.0	190.8	280.6	557.9
67.5°	1004.7	982.6	947.2	781.3	484.9	243.6	167.4	91.2	167.4	243.6	484.9
70°	849.8	853.8	841.6	703.9	440.5	225.4	155.0	84.6	155.0	225.4	440.5
72.5°	648.1	692.8	719.5	619.2	391.7	205.5	142.9	80.3	142.9	205.5	391.7
75°	306.4	393.2	509.7	483.0	313.1	172.9	122.0	71.0	122.0	172.9	313.1
77.5°	235.4	281.1	342.7	322.4	220.3	134.1	96.0	57.9	96.0	134.1	220.3
80°	191.4	193.0	195.4	179.0	143.8	109.8	79.5	49.2	79.5	109.8	143.8
82.5°	140.5	139.1	136.6	125.6	105.9	85.6	63.0	40.4	63.0	85.6	105.9
85°	45.8	53.7	63.4	65.2	59.2	51.3	37.9	24.6	37.9	51.3	59.2
87.5°	20.5	20.0	20.0	21.5	24.0	23.9	16.8	10.1	16.8	23.4	24.9
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: P1436045

CATALOG NUMBER: SQ2W-FB-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: P1436045

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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0	568.0
2.5°	608.0	620.6	634.2	645.9	651.7	657.5	651.7	645.9	634.2	620.6	608.0
5°	735.4	801.6	875.6	939.0	970.6	1002.1	970.6	939.0	875.6	801.6	735.4
7.5°	1019.7	1211.2	1409.7	1574.4	1637.5	1700.6	1637.5	1574.4	1409.7	1211.2	1019.7
10°	1303.4	1549.7	1722.1	1859.8	1893.8	1927.8	1893.8	1859.8	1722.1	1549.7	1303.4
12.5°	1488.6	1744.6	1865.5	1964.9	1999.9	2034.8	1999.9	1964.9	1865.5	1744.6	1488.6
15°	1653.5	1916.9	2015.2	2098.6	2137.4	2176.3	2137.4	2098.6	2015.2	1916.9	1653.5
17.5°	1744.8	2001.6	2098.9	2177.2	2198.3	2219.4	2198.3	2177.2	2098.9	2001.6	1744.8
20°	1797.9	2040.6	2124.4	2190.5	2203.9	2217.2	2203.9	2190.5	2124.4	2040.6	1797.9
22.5°	1836.5	2063.2	2126.6	2177.7	2192.0	2206.3	2192.0	2177.7	2126.6	2063.2	1836.5
25°	1874.7	2081.6	2121.6	2154.1	2163.8	2173.5	2163.8	2154.1	2121.6	2081.6	1874.7
27.5°	1868.5	2061.6	2087.8	2109.8	2119.3	2128.7	2119.3	2109.8	2087.8	2061.6	1868.5
30°	1852.2	2038.5	2057.9	2075.8	2089.2	2102.5	2089.2	2075.8	2057.9	2038.5	1852.2
32.5°	1827.2	2009.6	2028.1	2049.1	2078.0	2106.9	2078.0	2049.1	2028.1	2009.6	1827.2
35°	1780.6	1966.9	1996.0	2031.2	2084.6	2138.0	2084.6	2031.2	1996.0	1966.9	1780.6
37.5°	1716.4	1919.5	1980.4	2038.9	2090.4	2141.9	2090.4	2038.9	1980.4	1919.5	1716.4
40°	1669.6	1883.8	1965.1	2037.0	2080.7	2124.4	2080.7	2037.0	1965.1	1883.8	1669.6
42.5°	1615.7	1838.2	1933.1	2015.2	2058.8	2102.5	2058.8	2015.2	1933.1	1838.2	1615.7
45°	1530.3	1765.2	1876.8	1970.9	2012.1	2053.4	2012.1	1970.9	1876.8	1765.2	1530.3
47.5°	1446.8	1693.2	1811.6	1908.0	1938.1	1968.2	1938.1	1908.0	1811.6	1693.2	1446.8
50°	1390.8	1642.0	1758.5	1851.9	1876.2	1900.5	1876.2	1851.9	1758.5	1642.0	1390.8
52.5°	1335.2	1588.3	1698.0	1785.9	1808.2	1830.6	1808.2	1785.9	1698.0	1588.3	1335.2
55°	1247.3	1497.9	1593.7	1670.5	1689.9	1709.3	1689.9	1670.5	1593.7	1497.9	1247.3
57.5°	1153.7	1395.8	1477.6	1542.9	1558.7	1574.4	1558.7	1542.9	1477.6	1395.8	1153.7
60°	1085.2	1317.6	1391.7	1451.1	1466.9	1482.7	1466.9	1451.1	1391.7	1317.6	1085.2
62.5°	1011.0	1231.7	1299.9	1354.8	1369.6	1384.4	1369.6	1354.8	1299.9	1231.7	1011.0
65°	897.7	1096.2	1153.2	1198.4	1208.1	1217.8	1208.1	1198.4	1153.2	1096.2	897.7
67.5°	781.3	947.2	982.6	1004.7	986.5	968.3	986.5	1004.7	982.6	947.2	781.3
70°	703.9	841.6	853.8	849.8	797.6	745.4	797.6	849.8	853.8	841.6	703.9
72.5°	619.2	719.5	692.8	648.1	549.3	450.5	549.3	648.1	692.8	719.5	619.2
75°	483.0	509.7	393.2	306.4	308.9	311.3	308.9	306.4	393.2	509.7	483.0
77.5°	322.4	342.7	281.1	235.4	237.6	239.7	237.6	235.4	281.1	342.7	322.4
80°	179.0	195.4	193.0	191.4	192.7	193.9	192.7	191.4	193.0	195.4	179.0
82.5°	125.6	136.6	139.1	140.5	138.8	137.1	138.8	140.5	139.1	136.6	125.6
85°	65.2	63.4	53.7	45.8	43.4	41.0	43.4	45.8	53.7	63.4	65.2
87.5°	23.3	24.6	27.8	29.6	31.4	30.5	31.4	29.6	27.8	24.6	23.3
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: P1436045

CATALOG NUMBER: SQ2W-FB-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: P1436045

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	568.0	568.0	568.0	568.0
2.5°	596.4	584.9	574.3	563.6
5°	677.2	624.4	588.0	551.6
7.5°	835.2	678.3	604.3	530.3
10°	983.0	716.9	613.8	510.6
12.5°	1097.3	768.9	628.8	488.8
15°	1225.1	853.8	653.5	453.3
17.5°	1328.5	949.7	683.2	416.7
20°	1396.2	1016.7	703.6	390.5
22.5°	1446.5	1066.4	716.4	366.4
25°	1500.9	1122.0	727.5	333.1
27.5°	1508.5	1134.4	717.7	300.9
30°	1499.1	1128.3	704.8	281.2
32.5°	1480.9	1114.7	689.3	263.8
35°	1437.2	1074.9	656.2	237.6
37.5°	1371.3	1012.7	614.0	215.2
40°	1322.5	966.6	584.3	202.1
42.5°	1265.7	912.7	550.8	189.0
45°	1172.3	822.5	497.3	172.0
47.5°	1072.6	721.2	438.7	156.2
50°	1004.8	652.3	399.9	147.5
52.5°	938.6	585.3	362.0	138.7
55°	841.9	492.4	310.4	128.3
57.5°	751.3	412.7	265.9	119.1
60°	694.5	369.5	242.1	114.7
62.5°	637.7	330.0	219.1	108.1
65°	557.9	280.6	190.8	101.0
67.5°	484.9	243.6	167.4	91.2
70°	440.5	225.4	155.0	84.6
72.5°	391.7	205.5	142.9	80.3
75°	313.1	172.9	122.0	71.0
77.5°	220.3	134.1	96.0	57.9
80°	143.8	109.8	79.5	49.2
82.5°	105.9	85.6	63.0	40.4
85°	59.2	51.3	37.9	24.6
87.5°	24.9	23.4	16.8	10.1
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



TEST NUMBER: P1436045

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

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: P1436045
 CATALOG NUMBER: SQ2W-FB-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	13.50	14.35	14.49	15.35	16.68	23.10	23.95	24.08	24.95	26.27
	3H	14.44	15.20	15.43	16.21	17.56	24.70	25.47	25.70	26.48	27.82
	4H	14.84	15.56	15.85	16.57	17.93	24.88	25.60	25.89	26.62	27.97
	6H	15.09	15.76	16.11	16.77	18.14	24.96	25.62	25.97	26.64	28.00
	8H	15.18	15.82	16.21	16.85	18.21	24.97	25.61	26.00	26.64	28.00
	12H	15.23	15.83	16.26	16.86	18.25	24.95	25.55	25.98	26.58	27.97
4H	2H	18.22	18.94	19.23	19.96	21.31	23.46	24.19	24.48	25.20	26.55
	3H	19.35	19.95	20.37	20.99	22.36	25.35	25.95	26.37	26.99	28.36
	4H	19.63	20.18	20.66	21.21	22.60	25.57	26.12	26.60	27.16	28.55
	6H	19.76	20.24	20.81	21.30	22.68	25.70	26.18	26.74	27.23	28.62
	8H	19.80	20.25	20.85	21.30	22.70	25.75	26.19	26.79	27.24	28.64
	12H	19.80	20.20	20.87	21.27	22.68	25.73	26.13	26.79	27.19	28.60
8H	4H	20.82	21.26	21.86	22.31	23.71	25.66	26.10	26.70	27.15	28.55
	6H	21.08	21.44	22.15	22.54	23.93	25.86	26.22	26.93	27.31	28.71
	8H	21.18	21.50	22.25	22.57	23.99	25.95	26.27	27.02	27.34	28.76
	12H	21.22	21.50	22.30	22.57	24.03	25.95	26.23	27.03	27.31	28.76
12H	4H	20.84	21.24	21.91	22.31	23.72	25.61	26.01	26.67	27.08	28.48
	6H	21.19	21.51	22.26	22.58	24.00	25.84	26.16	26.92	27.24	28.66
	8H	21.32	21.60	22.40	22.68	24.13	25.94	26.22	27.02	27.29	28.75