

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: P1436046

Luminaire Tested: SQ2W-FB-K-150U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436046
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-L835-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

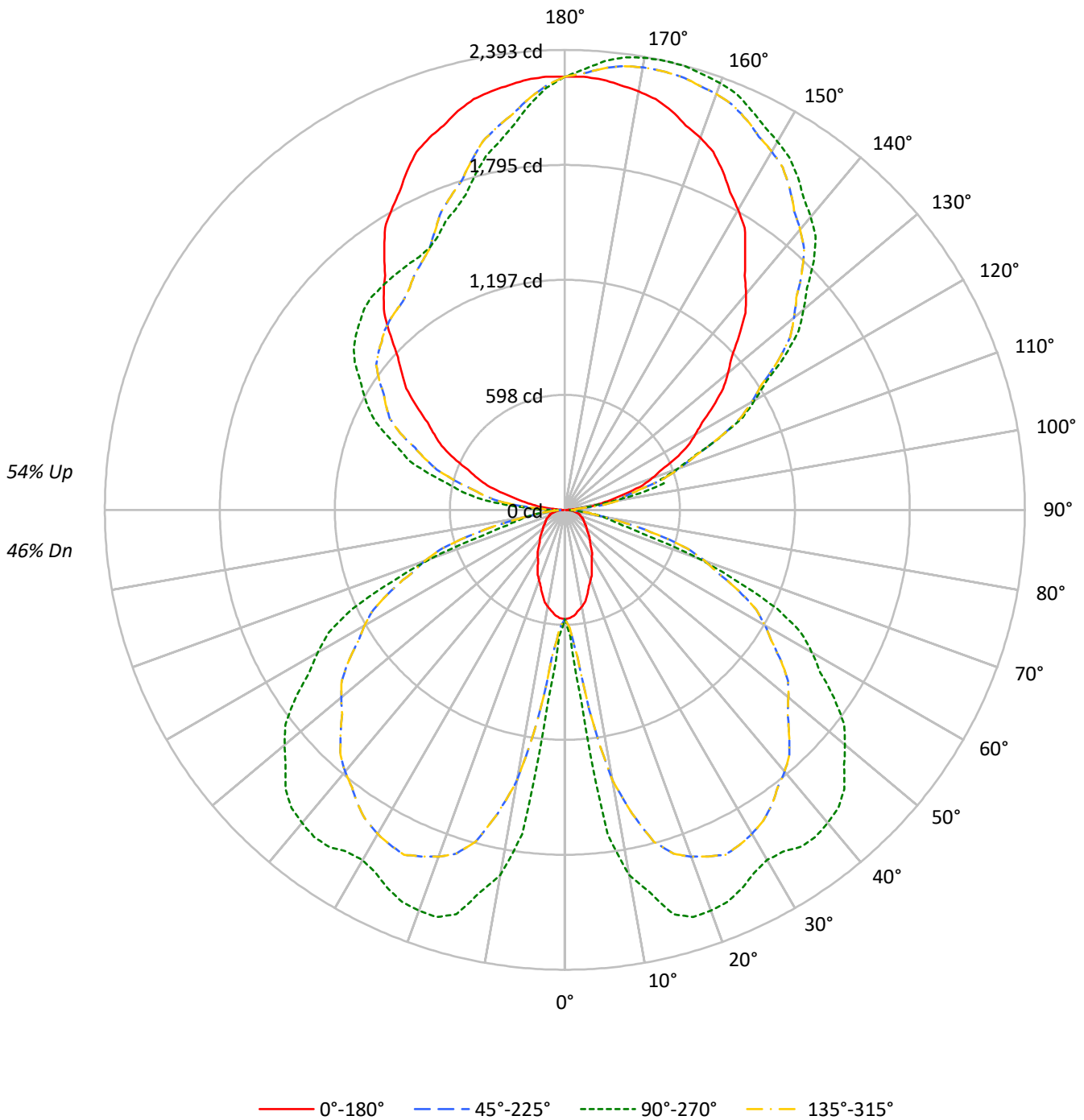
Lumens per Lamp: N/A
Luminaire Lumens: 12203.8 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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°	9179	9179	9179	9179
5°	8948	16256	8948	16256
10°	8379	31633	8379	31633
15°	7584	36409	7584	36409
20°	6715	38130	6715	38130
25°	5939	38756	5939	38756
30°	5248	39233	5248	39233
35°	4687	42180	4687	42180
40°	4262	44815	4262	44815
45°	3932	46927	3932	46927
50°	3707	47779	3707	47779
55°	3617	48160	3617	48160
60°	3707	47920	3707	47920
65°	3862	46566	3862	46566
70°	3998	35221	3998	35221
75°	4435	19438	4435	19438
80°	4575	18038	4575	18038
85°	4557	7595	4557	7595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 48594 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.2	0.8
10°-20°	434.6	3.6
20°-30°	764.7	6.3
30°-40°	989.9	8.1
40°-50°	1091.7	8.9
50°-60°	1018.9	8.3
60°-70°	787.2	6.5
70°-80°	362.9	3.0
80°-90°	78.7	0.6
90°-100°	179.4	1.5
100°-110°	523.0	4.3
110°-120°	853.6	7.0
120°-130°	1083.1	8.9
130°-140°	1158.9	9.5
140°-150°	1082.2	8.9
150°-160°	890.5	7.3
160°-170°	597.2	4.9
170°-180°	212.1	1.7
0°-30°	1294.5	10.6
0°-40°	2284.4	18.7
0°-60°	4395.1	36.0
0°-90°	5623.8	46.1
90°-120°	1556.0	12.7
90°-150°	4880.2	40.0
90°-180°	6580.0	53.9
0°-180°	12203.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	568	568	568	568	568	
5°	552	1003	552	1003	552	51
15°	454	2178	454	2178	454	126
25°	333	2176	333	2176	333	153
35°	238	2140	238	2140	238	150
45°	172	2055	172	2055	172	133
55°	128	1711	128	1711	128	116
65°	101	1219	101	1219	101	99
75°	71	312	71	312	71	73
85°	25	41	25	41	25	26
90°	7	50	7	98	7	7
95°	71	52	71	307	71	85
105°	332	533	332	733	332	353
115°	637	883	637	1088	637	628
125°	942	1400	942	1334	942	843
135°	1282	1832	1282	1477	1282	990
145°	1637	2112	1637	1509	1637	1024
155°	1944	2294	1944	1566	1944	894
165°	2149	2392	2149	1803	2149	605
175°	2247	2342	2247	2115	2247	213
180°	2254	2254	2254	2254	2254	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	564.1	574.8	585.5	596.9	608.6	621.2	634.8	646.5	652.3	658.1	652.3
5°	552.1	588.5	625.0	677.8	736.1	802.3	876.4	939.9	971.4	1003.0	971.4
7.5°	530.8	604.8	678.9	835.9	1020.6	1212.3	1411.0	1575.8	1639.0	1702.1	1639.0
10°	511.1	614.3	717.6	983.9	1304.6	1551.1	1723.6	1861.5	1895.5	1929.5	1895.5
12.5°	489.2	629.4	769.6	1098.3	1489.9	1746.2	1867.2	1966.7	2001.7	2036.7	2001.7
15°	453.7	654.1	854.5	1226.2	1655.0	1918.6	2017.0	2100.5	2139.4	2178.2	2139.4
17.5°	417.1	683.8	950.5	1329.7	1746.3	2003.4	2100.8	2179.1	2200.3	2221.4	2200.3
20°	390.8	704.2	1017.6	1397.5	1799.5	2042.5	2126.3	2192.5	2205.9	2219.2	2205.9
22.5°	366.8	717.1	1067.4	1447.8	1838.2	2065.1	2128.5	2179.6	2194.0	2208.3	2194.0
25°	333.4	728.2	1123.0	1502.3	1876.4	2083.5	2123.6	2156.1	2165.8	2175.5	2165.8
27.5°	301.2	718.3	1135.4	1509.9	1870.2	2063.4	2089.7	2111.7	2121.2	2130.7	2121.2
30°	281.5	705.4	1129.3	1500.4	1853.9	2040.4	2059.8	2077.7	2091.1	2104.4	2091.1
32.5°	264.0	689.9	1115.7	1482.2	1828.9	2011.4	2029.9	2051.0	2079.9	2108.8	2079.9
35°	237.8	656.8	1075.9	1438.5	1782.2	1968.7	1997.8	2033.1	2086.5	2140.0	2086.5
37.5°	215.4	614.5	1013.7	1372.5	1718.0	1921.2	1982.2	2040.8	2092.3	2143.8	2092.3
40°	202.2	584.9	967.5	1323.7	1671.1	1885.5	1966.9	2038.8	2082.6	2126.3	2082.6
42.5°	189.1	551.3	913.6	1266.9	1617.2	1839.8	1934.8	2017.0	2060.7	2104.4	2060.7
45°	172.2	497.7	823.2	1173.4	1531.7	1766.8	1878.5	1972.6	2013.9	2055.2	2013.9
47.5°	156.3	439.1	721.9	1073.5	1448.1	1694.7	1813.3	1909.7	1939.8	1970.0	1939.8
50°	147.6	400.2	652.9	1005.8	1392.0	1643.5	1760.1	1853.6	1877.9	1902.2	1877.9
52.5°	138.8	362.3	585.8	939.4	1336.4	1589.8	1699.6	1787.5	1809.9	1832.2	1809.9
55°	128.5	310.7	492.9	842.7	1248.4	1499.2	1595.2	1672.0	1691.4	1710.9	1691.4
57.5°	119.2	266.1	413.1	751.9	1154.7	1397.1	1478.9	1544.3	1560.1	1575.9	1560.1
60°	114.8	242.3	369.9	695.1	1086.2	1318.8	1392.9	1452.5	1468.2	1484.0	1468.2
62.5°	108.2	219.2	330.3	638.3	1011.9	1232.8	1301.1	1356.0	1370.8	1385.6	1370.8
65°	101.1	191.0	280.9	558.4	898.6	1097.2	1154.2	1199.5	1209.2	1218.9	1209.2
67.5°	91.3	167.6	243.8	485.4	782.0	948.1	983.5	1005.6	987.4	969.1	987.4
70°	84.7	155.2	225.6	440.9	704.5	842.4	854.5	850.6	798.3	746.1	798.3
72.5°	80.4	143.0	205.7	392.1	619.7	720.2	693.5	648.7	549.8	450.9	549.8
75°	71.1	122.1	173.1	313.4	483.4	510.2	393.6	306.7	309.1	311.6	309.1
77.5°	57.9	96.1	134.2	220.5	322.7	343.0	281.3	235.6	237.8	240.0	237.8
80°	49.2	79.6	109.9	143.9	179.2	195.6	193.1	191.6	192.8	194.0	192.8
82.5°	40.4	63.0	85.6	106.0	125.7	136.8	139.2	140.6	138.9	137.2	138.9
85°	24.6	38.0	51.3	59.2	65.3	63.5	53.7	45.9	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	43.3	45.5	45.5	47.8	50.1	50.1	50.1
92.5°	25.0	39.6	40.1	40.1	48.7	52.8	56.5	56.9	59.2	59.2	59.2
95°	70.6	77.4	116.1	113.8	77.4	61.5	52.4	52.4	52.4	52.4	52.4
97.5°	134.8	144.8	151.1	202.6	214.0	206.7	168.4	141.6	126.6	119.7	126.6
100°	191.2	195.8	209.4	211.7	268.6	323.2	295.9	261.8	250.4	243.6	250.4
102.5°	247.7	250.4	271.3	280.9	294.1	325.1	419.8	409.3	401.5	400.2	401.5
105°	332.3	334.6	373.3	391.5	400.6	400.6	398.4	443.9	516.7	532.7	516.7
107.5°	422.9	433.4	478.9	527.7	538.1	540.9	529.0	522.2	519.5	521.3	519.5
110°	484.9	500.8	555.4	616.9	632.8	637.4	632.8	626.0	621.4	621.4	621.4

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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	646.5	634.8	621.2	608.6	596.9	585.5	574.8	564.1	574.8	585.5	596.9
5°	939.9	876.4	802.3	736.1	677.8	625.0	588.5	552.1	588.5	625.0	677.8
7.5°	1575.8	1411.0	1212.3	1020.6	835.9	678.9	604.8	530.8	604.8	678.9	835.9
10°	1861.5	1723.6	1551.1	1304.6	983.9	717.6	614.3	511.1	614.3	717.6	983.9
12.5°	1966.7	1867.2	1746.2	1489.9	1098.3	769.6	629.4	489.2	629.4	769.6	1098.3
15°	2100.5	2017.0	1918.6	1655.0	1226.2	854.5	654.1	453.7	654.1	854.5	1226.2
17.5°	2179.1	2100.8	2003.4	1746.3	1329.7	950.5	683.8	417.1	683.8	950.5	1329.7
20°	2192.5	2126.3	2042.5	1799.5	1397.5	1017.6	704.2	390.8	704.2	1017.6	1397.5
22.5°	2179.6	2128.5	2065.1	1838.2	1447.8	1067.4	717.1	366.8	717.1	1067.4	1447.8
25°	2156.1	2123.6	2083.5	1876.4	1502.3	1123.0	728.2	333.4	728.2	1123.0	1502.3
27.5°	2111.7	2089.7	2063.4	1870.2	1509.9	1135.4	718.3	301.2	718.3	1135.4	1509.9
30°	2077.7	2059.8	2040.4	1853.9	1500.4	1129.3	705.4	281.5	705.4	1129.3	1500.4
32.5°	2051.0	2029.9	2011.4	1828.9	1482.2	1115.7	689.9	264.0	689.9	1115.7	1482.2
35°	2033.1	1997.8	1968.7	1782.2	1438.5	1075.9	656.8	237.8	656.8	1075.9	1438.5
37.5°	2040.8	1982.2	1921.2	1718.0	1372.5	1013.7	614.5	215.4	614.5	1013.7	1372.5
40°	2038.8	1966.9	1885.5	1671.1	1323.7	967.5	584.9	202.2	584.9	967.5	1323.7
42.5°	2017.0	1934.8	1839.8	1617.2	1266.9	913.6	551.3	189.1	551.3	913.6	1266.9
45°	1972.6	1878.5	1766.8	1531.7	1173.4	823.2	497.7	172.2	497.7	823.2	1173.4
47.5°	1909.7	1813.3	1694.7	1448.1	1073.5	721.9	439.1	156.3	439.1	721.9	1073.5
50°	1853.6	1760.1	1643.5	1392.0	1005.8	652.9	400.2	147.6	400.2	652.9	1005.8
52.5°	1787.5	1699.6	1589.8	1336.4	939.4	585.8	362.3	138.8	362.3	585.8	939.4
55°	1672.0	1595.2	1499.2	1248.4	842.7	492.9	310.7	128.5	310.7	492.9	842.7
57.5°	1544.3	1478.9	1397.1	1154.7	751.9	413.1	266.1	119.2	266.1	413.1	751.9
60°	1452.5	1392.9	1318.8	1086.2	695.1	369.9	242.3	114.8	242.3	369.9	695.1
62.5°	1356.0	1301.1	1232.8	1011.9	638.3	330.3	219.2	108.2	219.2	330.3	638.3
65°	1199.5	1154.2	1097.2	898.6	558.4	280.9	191.0	101.1	191.0	280.9	558.4
67.5°	1005.6	983.5	948.1	782.0	485.4	243.8	167.6	91.3	167.6	243.8	485.4
70°	850.6	854.5	842.4	704.5	440.9	225.6	155.2	84.7	155.2	225.6	440.9
72.5°	648.7	693.5	720.2	619.7	392.1	205.7	143.0	80.4	143.0	205.7	392.1
75°	306.7	393.6	510.2	483.4	313.4	173.1	122.1	71.1	122.1	173.1	313.4
77.5°	235.6	281.3	343.0	322.7	220.5	134.2	96.1	57.9	96.1	134.2	220.5
80°	191.6	193.1	195.6	179.2	143.9	109.9	79.6	49.2	79.6	109.9	143.9
82.5°	140.6	139.2	136.8	125.7	106.0	85.6	63.0	40.4	63.0	85.6	106.0
85°	45.9	53.7	63.5	65.3	59.2	51.3	38.0	24.6	38.0	51.3	59.2
87.5°	20.5	20.0	20.0	21.5	24.0	23.9	16.8	10.1	16.8	23.5	25.0
90°	47.8	45.5	45.5	43.3	36.4	27.3	15.9	6.8	15.9	25.0	41.0
92.5°	56.9	56.5	52.8	48.7	40.1	40.1	39.6	25.0	43.3	61.5	88.3
95°	52.4	52.4	61.5	77.4	113.8	116.1	77.4	70.6	100.2	141.1	177.6
97.5°	141.6	168.4	206.7	214.0	202.6	151.1	144.8	134.8	183.5	224.0	282.7
100°	261.8	295.9	323.2	268.6	211.7	209.4	195.8	191.2	243.6	282.3	339.2
102.5°	409.3	419.8	325.1	294.1	280.9	271.3	250.4	247.7	300.0	353.3	401.1
105°	443.9	398.4	400.6	400.6	391.5	373.3	334.6	332.3	391.5	453.0	512.2
107.5°	522.2	529.0	540.9	538.1	527.7	478.9	433.4	422.9	476.2	550.0	615.1
110°	626.0	632.8	637.4	632.8	616.9	555.4	500.8	484.9	532.7	610.1	680.6



TEST NUMBER: P1436046

CATALOG NUMBER: SQ2W-FB-K-150U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1436046

CATALOG NUMBER: SQ2W-FB-K-150U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5	568.5
2.5°	608.6	621.2	634.8	646.5	652.3	658.1	652.3	646.5	634.8	621.2	608.6
5°	736.1	802.3	876.4	939.9	971.4	1003.0	971.4	939.9	876.4	802.3	736.1
7.5°	1020.6	1212.3	1411.0	1575.8	1639.0	1702.1	1639.0	1575.8	1411.0	1212.3	1020.6
10°	1304.6	1551.1	1723.6	1861.5	1895.5	1929.5	1895.5	1861.5	1723.6	1551.1	1304.6
12.5°	1489.9	1746.2	1867.2	1966.7	2001.7	2036.7	2001.7	1966.7	1867.2	1746.2	1489.9
15°	1655.0	1918.6	2017.0	2100.5	2139.4	2178.2	2139.4	2100.5	2017.0	1918.6	1655.0
17.5°	1746.3	2003.4	2100.8	2179.1	2200.3	2221.4	2200.3	2179.1	2100.8	2003.4	1746.3
20°	1799.5	2042.5	2126.3	2192.5	2205.9	2219.2	2205.9	2192.5	2126.3	2042.5	1799.5
22.5°	1838.2	2065.1	2128.5	2179.6	2194.0	2208.3	2194.0	2179.6	2128.5	2065.1	1838.2
25°	1876.4	2083.5	2123.6	2156.1	2165.8	2175.5	2165.8	2156.1	2123.6	2083.5	1876.4
27.5°	1870.2	2063.4	2089.7	2111.7	2121.2	2130.7	2121.2	2111.7	2089.7	2063.4	1870.2
30°	1853.9	2040.4	2059.8	2077.7	2091.1	2104.4	2091.1	2077.7	2059.8	2040.4	1853.9
32.5°	1828.9	2011.4	2029.9	2051.0	2079.9	2108.8	2079.9	2051.0	2029.9	2011.4	1828.9
35°	1782.2	1968.7	1997.8	2033.1	2086.5	2140.0	2086.5	2033.1	1997.8	1968.7	1782.2
37.5°	1718.0	1921.2	1982.2	2040.8	2092.3	2143.8	2092.3	2040.8	1982.2	1921.2	1718.0
40°	1671.1	1885.5	1966.9	2038.8	2082.6	2126.3	2082.6	2038.8	1966.9	1885.5	1671.1
42.5°	1617.2	1839.8	1934.8	2017.0	2060.7	2104.4	2060.7	2017.0	1934.8	1839.8	1617.2
45°	1531.7	1766.8	1878.5	1972.6	2013.9	2055.2	2013.9	1972.6	1878.5	1766.8	1531.7
47.5°	1448.1	1694.7	1813.3	1909.7	1939.8	1970.0	1939.8	1909.7	1813.3	1694.7	1448.1
50°	1392.0	1643.5	1760.1	1853.6	1877.9	1902.2	1877.9	1853.6	1760.1	1643.5	1392.0
52.5°	1336.4	1589.8	1699.6	1787.5	1809.9	1832.2	1809.9	1787.5	1699.6	1589.8	1336.4
55°	1248.4	1499.2	1595.2	1672.0	1691.4	1710.9	1691.4	1672.0	1595.2	1499.2	1248.4
57.5°	1154.7	1397.1	1478.9	1544.3	1560.1	1575.9	1560.1	1544.3	1478.9	1397.1	1154.7
60°	1086.2	1318.8	1392.9	1452.5	1468.2	1484.0	1468.2	1452.5	1392.9	1318.8	1086.2
62.5°	1011.9	1232.8	1301.1	1356.0	1370.8	1385.6	1370.8	1356.0	1301.1	1232.8	1011.9
65°	898.6	1097.2	1154.2	1199.5	1209.2	1218.9	1209.2	1199.5	1154.2	1097.2	898.6
67.5°	782.0	948.1	983.5	1005.6	987.4	969.1	987.4	1005.6	983.5	948.1	782.0
70°	704.5	842.4	854.5	850.6	798.3	746.1	798.3	850.6	854.5	842.4	704.5
72.5°	619.7	720.2	693.5	648.7	549.8	450.9	549.8	648.7	693.5	720.2	619.7
75°	483.4	510.2	393.6	306.7	309.1	311.6	309.1	306.7	393.6	510.2	483.4
77.5°	322.7	343.0	281.3	235.6	237.8	240.0	237.8	235.6	281.3	343.0	322.7
80°	179.2	195.6	193.1	191.6	192.8	194.0	192.8	191.6	193.1	195.6	179.2
82.5°	125.7	136.8	139.2	140.6	138.9	137.2	138.9	140.6	139.2	136.8	125.7
85°	65.3	63.5	53.7	45.9	43.4	41.0	43.4	45.9	53.7	63.5	65.3
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°	52.4	68.3	84.2	93.3	102.4	97.9	102.4	93.3	84.2	68.3	52.4
92.5°	105.2	132.0	151.6	168.0	175.3	174.4	175.3	168.0	151.6	132.0	105.2
95°	211.7	243.6	275.4	298.2	311.9	307.3	311.9	298.2	275.4	243.6	211.7
97.5°	326.4	369.2	404.7	426.1	439.8	448.9	439.8	426.1	404.7	369.2	326.4
100°	402.9	443.9	484.9	509.9	532.7	541.8	532.7	509.9	484.9	443.9	402.9
102.5°	464.8	518.5	563.2	590.0	609.1	618.2	609.1	590.0	563.2	518.5	464.8
105°	566.8	623.7	671.5	705.7	726.1	733.0	726.1	705.7	671.5	623.7	566.8
107.5°	668.8	727.5	771.7	809.5	834.5	849.1	834.5	809.5	771.7	727.5	668.8
110°	748.9	796.7	844.5	878.7	903.7	912.8	903.7	878.7	844.5	796.7	748.9



TEST NUMBER: P1436046

CATALOG NUMBER: SQ2W-FB-K-150U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1436046

CATALOG NUMBER: SQ2W-FB-K-150U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	568.5	568.5	568.5	568.5
2.5°	596.9	585.5	574.8	564.1
5°	677.8	625.0	588.5	552.1
7.5°	835.9	678.9	604.8	530.8
10°	983.9	717.6	614.3	511.1
12.5°	1098.3	769.6	629.4	489.2
15°	1226.2	854.5	654.1	453.7
17.5°	1329.7	950.5	683.8	417.1
20°	1397.5	1017.6	704.2	390.8
22.5°	1447.8	1067.4	717.1	366.8
25°	1502.3	1123.0	728.2	333.4
27.5°	1509.9	1135.4	718.3	301.2
30°	1500.4	1129.3	705.4	281.5
32.5°	1482.2	1115.7	689.9	264.0
35°	1438.5	1075.9	656.8	237.8
37.5°	1372.5	1013.7	614.5	215.4
40°	1323.7	967.5	584.9	202.2
42.5°	1266.9	913.6	551.3	189.1
45°	1173.4	823.2	497.7	172.2
47.5°	1073.5	721.9	439.1	156.3
50°	1005.8	652.9	400.2	147.6
52.5°	939.4	585.8	362.3	138.8
55°	842.7	492.9	310.7	128.5
57.5°	751.9	413.1	266.1	119.2
60°	695.1	369.9	242.3	114.8
62.5°	638.3	330.3	219.2	108.2
65°	558.4	280.9	191.0	101.1
67.5°	485.4	243.8	167.6	91.3
70°	440.9	225.6	155.2	84.7
72.5°	392.1	205.7	143.0	80.4
75°	313.4	173.1	122.1	71.1
77.5°	220.5	134.2	96.1	57.9
80°	143.9	109.9	79.6	49.2
82.5°	106.0	85.6	63.0	40.4
85°	59.2	51.3	38.0	24.6
87.5°	25.0	23.5	16.8	10.1
90°	41.0	25.0	15.9	6.8
92.5°	88.3	61.5	43.3	25.0
95°	177.6	141.1	100.2	70.6
97.5°	282.7	224.0	183.5	134.8
100°	339.2	282.3	243.6	191.2
102.5°	401.1	353.3	300.0	247.7
105°	512.2	453.0	391.5	332.3
107.5°	615.1	550.0	476.2	422.9
110°	680.6	610.1	532.7	484.9



TEST NUMBER: P1436046

CATALOG NUMBER: SQ2W-FB-K-150U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1436046
 CATALOG NUMBER: SQ2W-FB-K-150U-125D-L835-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.50	14.36	14.49	15.36	16.68	23.10	23.95	24.09	24.95	26.28
	3H	14.44	15.21	15.44	16.22	17.56	24.71	25.47	25.70	26.48	27.83
	4H	14.84	15.56	15.85	16.58	17.93	24.88	25.61	25.89	26.62	27.97
	6H	15.09	15.76	16.11	16.78	18.14	24.96	25.62	25.98	26.64	28.01
	8H	15.19	15.82	16.21	16.86	18.22	24.98	25.61	26.00	26.64	28.01
	12H	15.24	15.84	16.27	16.87	18.25	24.95	25.56	25.98	26.58	27.97
4H	2H	18.22	18.95	19.24	19.96	21.31	23.47	24.19	24.48	25.20	26.56
	3H	19.35	19.95	20.38	21.00	22.36	25.35	25.96	26.38	27.00	28.36
	4H	19.63	20.18	20.66	21.22	22.61	25.57	26.13	26.61	27.16	28.55
	6H	19.77	20.24	20.81	21.30	22.68	25.70	26.18	26.75	27.24	28.62
	8H	19.81	20.25	20.85	21.30	22.70	25.75	26.19	26.79	27.24	28.64
	12H	19.81	20.21	20.87	21.27	22.68	25.73	26.13	26.79	27.20	28.60
8H	4H	20.82	21.27	21.87	22.32	23.72	25.66	26.11	26.71	27.16	28.56
	6H	21.08	21.45	22.15	22.54	23.94	25.86	26.23	26.93	27.32	28.72
	8H	21.18	21.50	22.26	22.58	23.99	25.95	26.27	27.03	27.35	28.77
	12H	21.22	21.50	22.30	22.57	24.03	25.96	26.24	27.04	27.31	28.77
12H	4H	20.85	21.25	21.91	22.31	23.72	25.62	26.02	26.68	27.08	28.49
	6H	21.19	21.51	22.26	22.59	24.00	25.84	26.16	26.92	27.24	28.66
	8H	21.33	21.61	22.41	22.68	24.14	25.94	26.22	27.02	27.30	28.75