

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: P1436040

Luminaire Tested: SQ2W-FB-K-150U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1436040
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-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

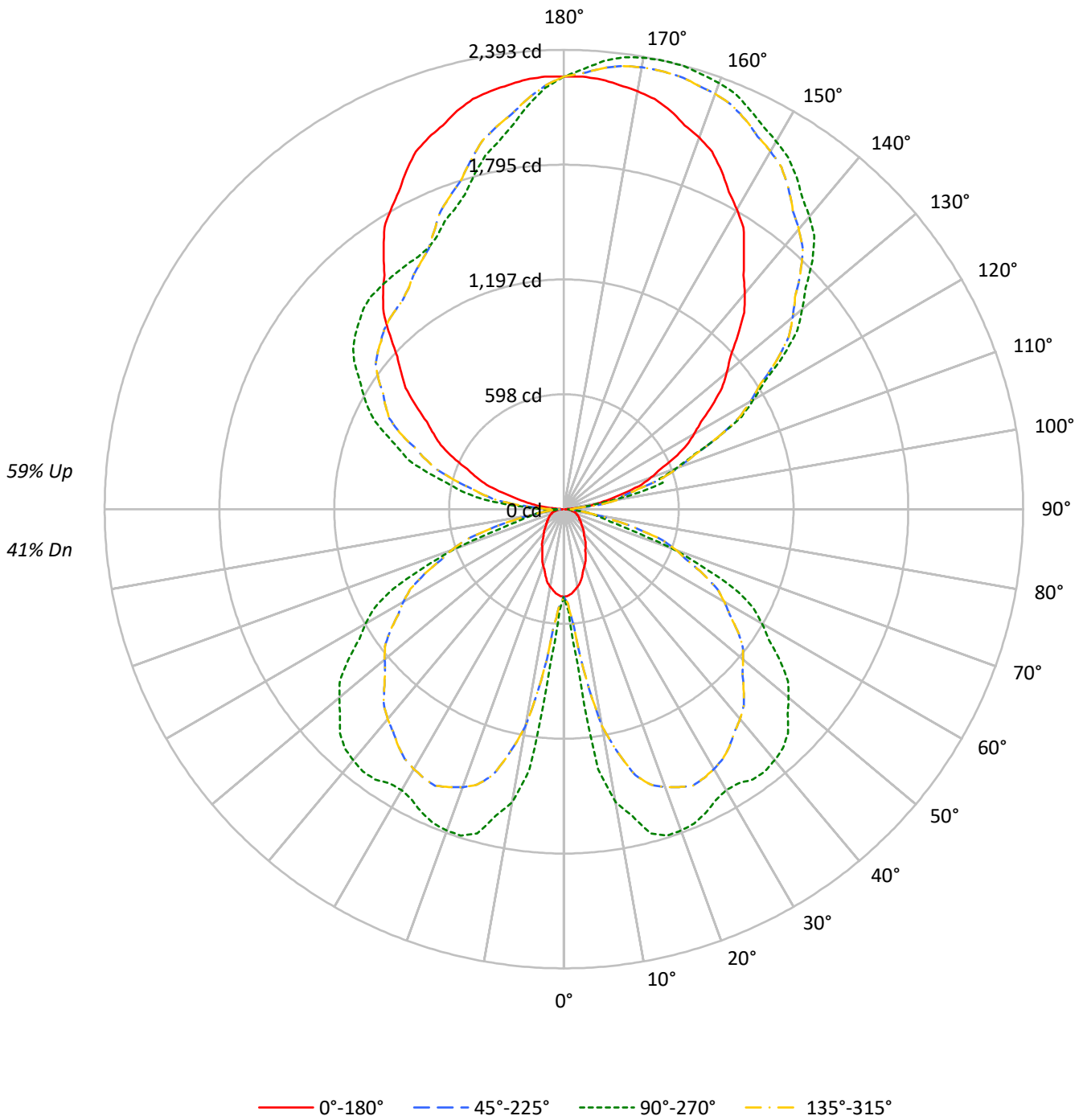
Lumens per Lamp: N/A
Luminaire Lumens: 11098.4 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 92.7
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

TEST NUMBER: P1436040

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L835-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1436040

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L835-UNV-STD-W-WM-4

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	91	87	84	87	83	80	77	68	66	64	54	53	51	42	41	40	34
2	87	79	73	68	79	72	67	63	59	56	52	47	45	42	36	35	33	28
3	79	69	62	56	71	63	57	52	52	47	43	42	38	35	32	30	28	23
4	72	61	53	47	65	56	49	43	46	41	37	37	33	30	28	26	23	19
5	66	54	46	40	59	49	42	37	41	35	31	33	29	26	25	22	20	17
6	60	48	40	34	55	44	37	32	36	31	27	29	25	22	23	20	17	14
7	56	43	35	30	50	40	32	27	33	27	23	26	22	19	20	17	15	12
8	51	39	31	26	47	36	29	24	30	24	20	24	20	17	19	16	13	11
9	48	35	28	23	43	33	26	21	27	22	18	22	18	15	17	14	12	10
10	44	32	25	20	40	30	23	19	25	20	16	20	16	13	16	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7370	7370	7370	7370
5°	7186	13055	7186	13055
10°	6730	25405	6730	25405
15°	6091	29241	6091	29241
20°	5393	30623	5393	30623
25°	4771	31126	4771	31126
30°	4215	31509	4215	31509
35°	3765	33874	3765	33874
40°	3423	35992	3423	35992
45°	3158	37689	3158	37689
50°	2976	38373	2976	38373
55°	2905	38677	2905	38677
60°	2977	38485	2977	38485
65°	3102	37398	3102	37398
70°	3210	28286	3210	28286
75°	3562	15608	3562	15608
80°	3673	14486	3673	14486
85°	3668	6095	3668	6095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 39027 cd/sqm



TEST NUMBER: P1436040

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L835-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	0.7
10°-20°	349.0	3.1
20°-30°	614.2	5.5
30°-40°	795.0	7.2
40°-50°	876.8	7.9
50°-60°	818.3	7.4
60°-70°	632.2	5.7
70°-80°	291.4	2.6
80°-90°	65.0	0.6
90°-100°	179.4	1.6
100°-110°	523.0	4.7
110°-120°	853.6	7.7
120°-130°	1083.1	9.8
130°-140°	1158.9	10.4
140°-150°	1082.2	9.8
150°-160°	890.5	8.0
160°-170°	597.2	5.4
170°-180°	212.1	1.9
0°-30°	1039.7	9.4
0°-40°	1834.7	16.5
0°-60°	3529.7	31.8
0°-90°	4518.4	40.7
90°-120°	1556.0	14.0
90°-150°	4880.2	44.0
90°-180°	6580.0	59.3
0°-180°	11098.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	456	456	456	456	456	
5°	443	806	443	806	443	41
15°	364	1749	364	1749	364	102
25°	268	1747	268	1747	268	123
35°	191	1719	191	1719	191	120
45°	138	1651	138	1651	138	107
55°	103	1374	103	1374	103	93
65°	81	979	81	979	81	80
75°	57	250	57	250	57	59
85°	20	33	20	33	20	21
90°	7	50	7	98	7	6
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	



TEST NUMBER: P1436040

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5
2.5°	453.0	461.6	470.2	479.4	488.7	498.9	509.8	519.2	523.9	528.5	523.9
5°	443.4	472.6	501.9	544.3	591.2	644.3	703.8	754.8	780.2	805.5	780.2
7.5°	426.3	485.8	545.3	671.4	819.6	973.6	1133.2	1265.6	1316.3	1367.0	1316.3
10°	410.5	493.4	576.3	790.2	1047.7	1245.7	1384.3	1495.0	1522.3	1549.6	1522.3
12.5°	392.9	505.5	618.0	882.1	1196.6	1402.4	1499.6	1579.5	1607.6	1635.7	1607.6
15°	364.4	525.3	686.3	984.8	1329.2	1540.8	1619.9	1686.9	1718.1	1749.4	1718.1
17.5°	334.9	549.2	763.4	1067.9	1402.5	1608.9	1687.2	1750.1	1767.1	1784.0	1767.1
20°	313.9	565.6	817.2	1122.3	1445.2	1640.3	1707.7	1760.8	1771.6	1782.3	1771.6
22.5°	294.6	575.9	857.2	1162.7	1476.3	1658.5	1709.4	1750.5	1762.0	1773.5	1762.0
25°	267.8	584.8	901.9	1206.5	1506.9	1673.3	1705.5	1731.6	1739.4	1747.2	1739.4
27.5°	241.9	576.9	911.9	1212.6	1502.0	1657.2	1678.2	1696.0	1703.6	1711.2	1703.6
30°	226.1	566.5	907.0	1205.0	1488.9	1638.6	1654.2	1668.6	1679.4	1690.1	1679.4
32.5°	212.0	554.1	896.1	1190.4	1468.8	1615.4	1630.3	1647.2	1670.4	1693.6	1670.4
35°	191.0	527.5	864.1	1155.3	1431.3	1581.1	1604.5	1632.8	1675.7	1718.6	1675.7
37.5°	173.0	493.5	814.1	1102.3	1379.7	1542.9	1591.9	1639.0	1680.3	1721.7	1680.3
40°	162.4	469.7	777.0	1063.1	1342.1	1514.3	1579.6	1637.4	1672.5	1707.7	1672.5
42.5°	151.9	442.8	733.7	1017.4	1298.8	1477.6	1553.9	1619.9	1655.0	1690.1	1655.0
45°	138.3	399.7	661.2	942.4	1230.1	1418.9	1508.7	1584.3	1617.4	1650.6	1617.4
47.5°	125.6	352.7	579.8	862.2	1163.0	1361.1	1456.3	1533.7	1557.9	1582.1	1557.9
50°	118.5	321.4	524.3	807.7	1118.0	1319.9	1413.5	1488.7	1508.2	1527.7	1508.2
52.5°	111.5	291.0	470.5	754.5	1073.3	1276.8	1365.0	1435.6	1453.5	1471.5	1453.5
55°	103.2	249.5	395.8	676.8	1002.6	1204.0	1281.1	1342.8	1358.4	1374.0	1358.4
57.5°	95.7	213.7	331.8	603.9	927.4	1122.0	1187.8	1240.2	1252.9	1265.6	1252.9
60°	92.2	194.6	297.0	558.2	872.4	1059.2	1118.7	1166.5	1179.2	1191.8	1179.2
62.5°	86.9	176.1	265.2	512.6	812.7	990.1	1044.9	1089.0	1100.9	1112.8	1100.9
65°	81.2	153.4	225.6	448.5	721.6	881.1	927.0	963.3	971.1	978.9	971.1
67.5°	73.3	134.6	195.8	389.8	628.0	761.4	789.9	807.6	793.0	778.3	793.0
70°	68.0	124.6	181.2	354.1	565.8	676.5	686.3	683.1	641.2	599.2	641.2
72.5°	64.5	114.9	165.2	314.9	497.7	578.4	556.9	521.0	441.6	362.2	441.6
75°	57.1	98.0	139.0	251.7	388.3	409.7	316.1	246.3	248.3	250.2	248.3
77.5°	46.5	77.2	107.8	177.1	259.2	275.5	225.9	189.2	191.0	192.7	191.0
80°	39.5	63.9	88.3	115.6	143.9	157.1	155.1	153.9	154.9	155.8	154.9
82.5°	32.5	50.6	68.8	85.2	101.0	109.8	111.8	112.9	111.6	110.2	111.6
85°	19.8	30.5	41.2	47.6	52.4	51.0	43.2	36.8	34.9	32.9	34.9
87.5°	8.4	14.1	20.3	20.7	19.0	17.9	17.9	18.3	18.8	18.8	18.8
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



TEST NUMBER: P1436040

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L835-UNV-STD-W-WM-4

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



TEST NUMBER: P1436040

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5
2.5°	519.2	509.8	498.9	488.7	479.4	470.2	461.6	453.0	461.6	470.2	479.4
5°	754.8	703.8	644.3	591.2	544.3	501.9	472.6	443.4	472.6	501.9	544.3
7.5°	1265.6	1133.2	973.6	819.6	671.4	545.3	485.8	426.3	485.8	545.3	671.4
10°	1495.0	1384.3	1245.7	1047.7	790.2	576.3	493.4	410.5	493.4	576.3	790.2
12.5°	1579.5	1499.6	1402.4	1196.6	882.1	618.0	505.5	392.9	505.5	618.0	882.1
15°	1686.9	1619.9	1540.8	1329.2	984.8	686.3	525.3	364.4	525.3	686.3	984.8
17.5°	1750.1	1687.2	1608.9	1402.5	1067.9	763.4	549.2	334.9	549.2	763.4	1067.9
20°	1760.8	1707.7	1640.3	1445.2	1122.3	817.2	565.6	313.9	565.6	817.2	1122.3
22.5°	1750.5	1709.4	1658.5	1476.3	1162.7	857.2	575.9	294.6	575.9	857.2	1162.7
25°	1731.6	1705.5	1673.3	1506.9	1206.5	901.9	584.8	267.8	584.8	901.9	1206.5
27.5°	1696.0	1678.2	1657.2	1502.0	1212.6	911.9	576.9	241.9	576.9	911.9	1212.6
30°	1668.6	1654.2	1638.6	1488.9	1205.0	907.0	566.5	226.1	566.5	907.0	1205.0
32.5°	1647.2	1630.3	1615.4	1468.8	1190.4	896.1	554.1	212.0	554.1	896.1	1190.4
35°	1632.8	1604.5	1581.1	1431.3	1155.3	864.1	527.5	191.0	527.5	864.1	1155.3
37.5°	1639.0	1591.9	1542.9	1379.7	1102.3	814.1	493.5	173.0	493.5	814.1	1102.3
40°	1637.4	1579.6	1514.3	1342.1	1063.1	777.0	469.7	162.4	469.7	777.0	1063.1
42.5°	1619.9	1553.9	1477.6	1298.8	1017.4	733.7	442.8	151.9	442.8	733.7	1017.4
45°	1584.3	1508.7	1418.9	1230.1	942.4	661.2	399.7	138.3	399.7	661.2	942.4
47.5°	1533.7	1456.3	1361.1	1163.0	862.2	579.8	352.7	125.6	352.7	579.8	862.2
50°	1488.7	1413.5	1319.9	1118.0	807.7	524.3	321.4	118.5	321.4	524.3	807.7
52.5°	1435.6	1365.0	1276.8	1073.3	754.5	470.5	291.0	111.5	291.0	470.5	754.5
55°	1342.8	1281.1	1204.0	1002.6	676.8	395.8	249.5	103.2	249.5	395.8	676.8
57.5°	1240.2	1187.8	1122.0	927.4	603.9	331.8	213.7	95.7	213.7	331.8	603.9
60°	1166.5	1118.7	1059.2	872.4	558.2	297.0	194.6	92.2	194.6	297.0	558.2
62.5°	1089.0	1044.9	990.1	812.7	512.6	265.2	176.1	86.9	176.1	265.2	512.6
65°	963.3	927.0	881.1	721.6	448.5	225.6	153.4	81.2	153.4	225.6	448.5
67.5°	807.6	789.9	761.4	628.0	389.8	195.8	134.6	73.3	134.6	195.8	389.8
70°	683.1	686.3	676.5	565.8	354.1	181.2	124.6	68.0	124.6	181.2	354.1
72.5°	521.0	556.9	578.4	497.7	314.9	165.2	114.9	64.5	114.9	165.2	314.9
75°	246.3	316.1	409.7	388.3	251.7	139.0	98.0	57.1	98.0	139.0	251.7
77.5°	189.2	225.9	275.5	259.2	177.1	107.8	77.2	46.5	77.2	107.8	177.1
80°	153.9	155.1	157.1	143.9	115.6	88.3	63.9	39.5	63.9	88.3	115.6
82.5°	112.9	111.8	109.8	101.0	85.2	68.8	50.6	32.5	50.6	68.8	85.2
85°	36.8	43.2	51.0	52.4	47.6	41.2	30.5	19.8	30.5	41.2	47.6
87.5°	18.3	17.9	17.9	19.0	20.7	20.3	14.1	8.4	14.1	19.8	21.7
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: P1436040

CATALOG NUMBER: SQ2W-FB-K-150U-100D-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: P1436040

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5
2.5°	488.7	498.9	509.8	519.2	523.9	528.5	523.9	519.2	509.8	498.9	488.7
5°	591.2	644.3	703.8	754.8	780.2	805.5	780.2	754.8	703.8	644.3	591.2
7.5°	819.6	973.6	1133.2	1265.6	1316.3	1367.0	1316.3	1265.6	1133.2	973.6	819.6
10°	1047.7	1245.7	1384.3	1495.0	1522.3	1549.6	1522.3	1495.0	1384.3	1245.7	1047.7
12.5°	1196.6	1402.4	1499.6	1579.5	1607.6	1635.7	1607.6	1579.5	1499.6	1402.4	1196.6
15°	1329.2	1540.8	1619.9	1686.9	1718.1	1749.4	1718.1	1686.9	1619.9	1540.8	1329.2
17.5°	1402.5	1608.9	1687.2	1750.1	1767.1	1784.0	1767.1	1750.1	1687.2	1608.9	1402.5
20°	1445.2	1640.3	1707.7	1760.8	1771.6	1782.3	1771.6	1760.8	1707.7	1640.3	1445.2
22.5°	1476.3	1658.5	1709.4	1750.5	1762.0	1773.5	1762.0	1750.5	1709.4	1658.5	1476.3
25°	1506.9	1673.3	1705.5	1731.6	1739.4	1747.2	1739.4	1731.6	1705.5	1673.3	1506.9
27.5°	1502.0	1657.2	1678.2	1696.0	1703.6	1711.2	1703.6	1696.0	1678.2	1657.2	1502.0
30°	1488.9	1638.6	1654.2	1668.6	1679.4	1690.1	1679.4	1668.6	1654.2	1638.6	1488.9
32.5°	1468.8	1615.4	1630.3	1647.2	1670.4	1693.6	1670.4	1647.2	1630.3	1615.4	1468.8
35°	1431.3	1581.1	1604.5	1632.8	1675.7	1718.6	1675.7	1632.8	1604.5	1581.1	1431.3
37.5°	1379.7	1542.9	1591.9	1639.0	1680.3	1721.7	1680.3	1639.0	1591.9	1542.9	1379.7
40°	1342.1	1514.3	1579.6	1637.4	1672.5	1707.7	1672.5	1637.4	1579.6	1514.3	1342.1
42.5°	1298.8	1477.6	1553.9	1619.9	1655.0	1690.1	1655.0	1619.9	1553.9	1477.6	1298.8
45°	1230.1	1418.9	1508.7	1584.3	1617.4	1650.6	1617.4	1584.3	1508.7	1418.9	1230.1
47.5°	1163.0	1361.1	1456.3	1533.7	1557.9	1582.1	1557.9	1533.7	1456.3	1361.1	1163.0
50°	1118.0	1319.9	1413.5	1488.7	1508.2	1527.7	1508.2	1488.7	1413.5	1319.9	1118.0
52.5°	1073.3	1276.8	1365.0	1435.6	1453.5	1471.5	1453.5	1435.6	1365.0	1276.8	1073.3
55°	1002.6	1204.0	1281.1	1342.8	1358.4	1374.0	1358.4	1342.8	1281.1	1204.0	1002.6
57.5°	927.4	1122.0	1187.8	1240.2	1252.9	1265.6	1252.9	1240.2	1187.8	1122.0	927.4
60°	872.4	1059.2	1118.7	1166.5	1179.2	1191.8	1179.2	1166.5	1118.7	1059.2	872.4
62.5°	812.7	990.1	1044.9	1089.0	1100.9	1112.8	1100.9	1089.0	1044.9	990.1	812.7
65°	721.6	881.1	927.0	963.3	971.1	978.9	971.1	963.3	927.0	881.1	721.6
67.5°	628.0	761.4	789.9	807.6	793.0	778.3	793.0	807.6	789.9	761.4	628.0
70°	565.8	676.5	686.3	683.1	641.2	599.2	641.2	683.1	686.3	676.5	565.8
72.5°	497.7	578.4	556.9	521.0	441.6	362.2	441.6	521.0	556.9	578.4	497.7
75°	388.3	409.7	316.1	246.3	248.3	250.2	248.3	246.3	316.1	409.7	388.3
77.5°	259.2	275.5	225.9	189.2	191.0	192.7	191.0	189.2	225.9	275.5	259.2
80°	143.9	157.1	155.1	153.9	154.9	155.8	154.9	153.9	155.1	157.1	143.9
82.5°	101.0	109.8	111.8	112.9	111.6	110.2	111.6	112.9	111.8	109.8	101.0
85°	52.4	51.0	43.2	36.8	34.9	32.9	34.9	36.8	43.2	51.0	52.4
87.5°	20.8	22.4	25.6	27.4	29.3	28.4	29.3	27.4	25.6	22.4	20.8
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: P1436040

CATALOG NUMBER: SQ2W-FB-K-150U-100D-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: P1436040

CATALOG NUMBER: SQ2W-FB-K-150U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	456.5	456.5	456.5	456.5
2.5°	479.4	470.2	461.6	453.0
5°	544.3	501.9	472.6	443.4
7.5°	671.4	545.3	485.8	426.3
10°	790.2	576.3	493.4	410.5
12.5°	882.1	618.0	505.5	392.9
15°	984.8	686.3	525.3	364.4
17.5°	1067.9	763.4	549.2	334.9
20°	1122.3	817.2	565.6	313.9
22.5°	1162.7	857.2	575.9	294.6
25°	1206.5	901.9	584.8	267.8
27.5°	1212.6	911.9	576.9	241.9
30°	1205.0	907.0	566.5	226.1
32.5°	1190.4	896.1	554.1	212.0
35°	1155.3	864.1	527.5	191.0
37.5°	1102.3	814.1	493.5	173.0
40°	1063.1	777.0	469.7	162.4
42.5°	1017.4	733.7	442.8	151.9
45°	942.4	661.2	399.7	138.3
47.5°	862.2	579.8	352.7	125.6
50°	807.7	524.3	321.4	118.5
52.5°	754.5	470.5	291.0	111.5
55°	676.8	395.8	249.5	103.2
57.5°	603.9	331.8	213.7	95.7
60°	558.2	297.0	194.6	92.2
62.5°	512.6	265.2	176.1	86.9
65°	448.5	225.6	153.4	81.2
67.5°	389.8	195.8	134.6	73.3
70°	354.1	181.2	124.6	68.0
72.5°	314.9	165.2	114.9	64.5
75°	251.7	139.0	98.0	57.1
77.5°	177.1	107.8	77.2	46.5
80°	115.6	88.3	63.9	39.5
82.5°	85.2	68.8	50.6	32.5
85°	47.6	41.2	30.5	19.8
87.5°	21.7	19.8	14.1	8.4
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: P1436040

CATALOG NUMBER: SQ2W-FB-K-150U-100D-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: P1436040
 CATALOG NUMBER: SQ2W-FB-K-150U-100D-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	12.20	13.00	13.22	14.04	15.44	21.79	22.60	22.82	23.64	25.03
	3H	13.13	13.85	14.17	14.90	16.31	23.39	24.12	24.43	25.16	26.58
	4H	13.53	14.21	14.58	15.26	16.68	23.57	24.25	24.62	25.30	26.72
	6H	13.78	14.41	14.84	15.46	16.90	23.64	24.27	24.70	25.32	26.76
	8H	13.87	14.47	14.93	15.54	16.97	23.66	24.26	24.72	25.33	26.76
	12H	13.91	14.48	14.99	15.55	17.00	23.63	24.20	24.70	25.27	26.72
4H	2H	16.91	17.59	17.96	18.64	20.06	22.15	22.83	23.21	23.88	25.31
	3H	18.03	18.60	19.10	19.68	21.11	24.03	24.60	25.10	25.68	27.12
	4H	18.31	18.83	19.38	19.90	21.36	24.25	24.77	25.32	25.84	27.30
	6H	18.44	18.89	19.52	19.98	21.43	24.38	24.83	25.46	25.92	27.37
	8H	18.48	18.90	19.56	19.98	21.45	24.42	24.84	25.51	25.93	27.39
	12H	18.48	18.86	19.58	19.96	21.43	24.40	24.78	25.50	25.88	27.35
8H	4H	19.50	19.92	20.58	21.00	22.47	24.34	24.76	25.42	25.84	27.31
	6H	19.75	20.10	20.86	21.22	22.69	24.53	24.88	25.64	26.00	27.47
	8H	19.85	20.15	20.96	21.26	22.75	24.62	24.92	25.73	26.03	27.52
	12H	19.89	20.16	21.01	21.26	22.78	24.62	24.89	25.74	25.99	27.52
12H	4H	19.52	19.90	20.62	21.00	22.47	24.29	24.67	25.39	25.76	27.24
	6H	19.86	20.16	20.97	21.27	22.76	24.51	24.82	25.63	25.93	27.41
	8H	19.99	20.26	21.11	21.36	22.89	24.61	24.88	25.73	25.98	27.50