

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: P1428138

Luminaire Tested: SQ2W-PP3-K-150U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428138
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-L835-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

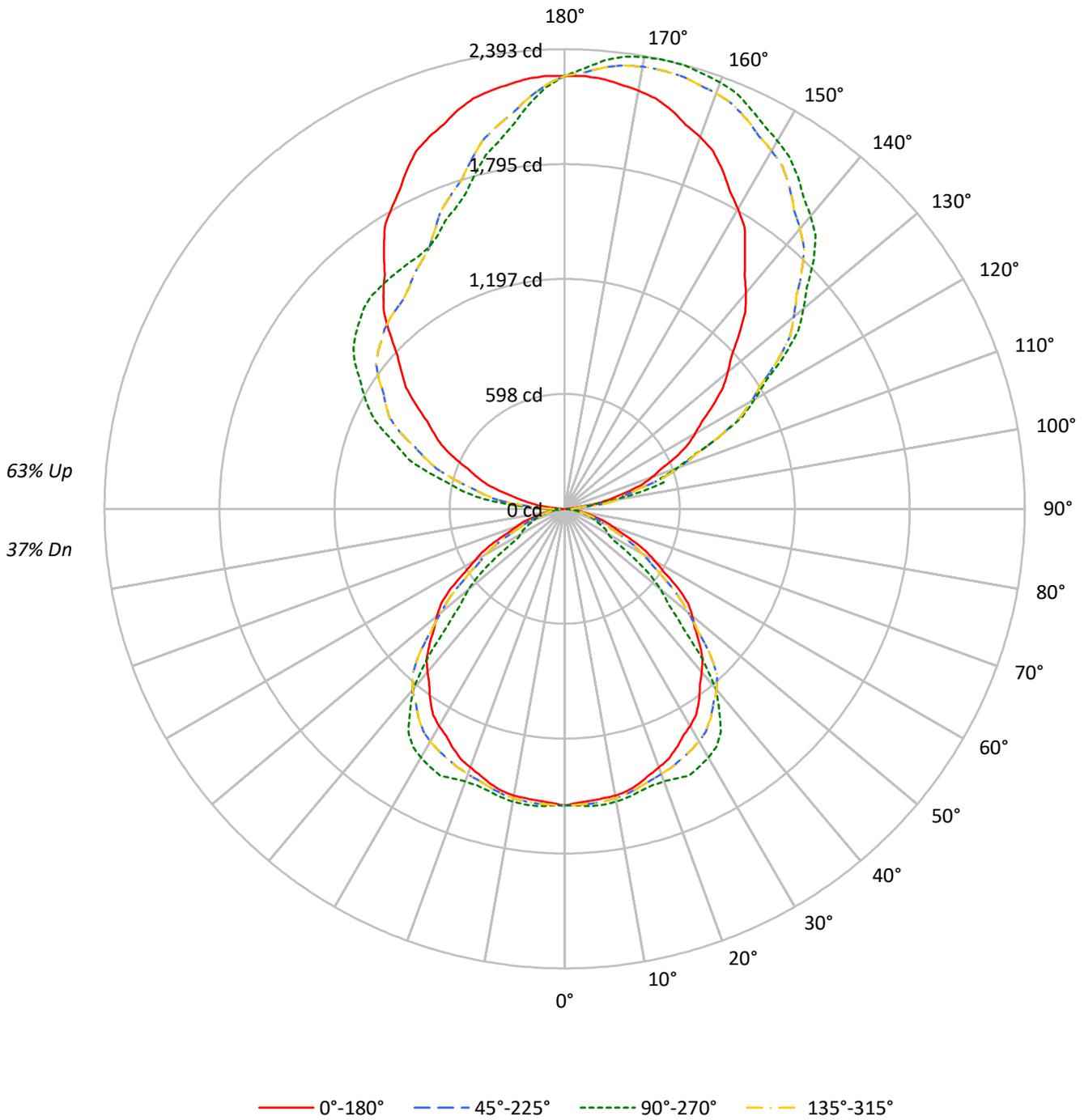
Lumens per Lamp: N/A
Luminaire Lumens: 10478.7 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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°	24935	24935	24935	24935
5°	24739	25189	24739	25189
10°	24864	25372	24864	25372
15°	24805	25432	24805	25432
20°	24627	25946	24627	25946
25°	24488	27308	24488	27308
30°	24348	27879	24348	27879
35°	24005	27929	24005	27929
40°	23363	25806	23363	25806
45°	22664	19643	22664	19643
50°	21775	16362	21775	16362
55°	20264	11763	20264	11763
60°	17450	8434	17450	8434
65°	14720	8294	14720	8294
70°	12255	7935	12255	7935
75°	10387	7436	10387	7436
80°	8805	6676	8805	6676
85°	6947	3631	6947	3631

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 24792 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	1.4
10°-20°	425.6	4.1
20°-30°	666.8	6.4
30°-40°	822.5	7.8
40°-50°	774.3	7.4
50°-60°	548.3	5.2
60°-70°	312.4	3.0
70°-80°	154.7	1.5
80°-90°	47.1	0.4
90°-100°	179.4	1.7
100°-110°	523.0	5.0
110°-120°	853.6	8.1
120°-130°	1083.1	10.3
130°-140°	1158.9	11.1
140°-150°	1082.2	10.3
150°-160°	890.5	8.5
160°-170°	597.2	5.7
170°-180°	212.1	2.0
0°-30°	1239.4	11.8
0°-40°	2061.9	19.7
0°-60°	3384.5	32.3
0°-90°	3898.7	37.2
90°-120°	1556.0	14.8
90°-150°	4880.2	46.6
90°-180°	6580.0	62.8
0°-180°	10478.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1544	1544	1544	1544	1544	
5°	1526	1554	1526	1554	1526	145
15°	1484	1522	1484	1522	1484	418
25°	1375	1533	1375	1533	1375	633
35°	1218	1417	1218	1417	1218	760
45°	993	860	993	860	993	764
55°	720	418	720	418	720	635
65°	385	217	385	217	385	387
75°	166	119	166	119	166	180
85°	38	20	38	20	38	44
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°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4
2.5°	1532.6	1542.5	1552.3	1550.0	1543.6	1541.0	1542.2	1543.3	1544.5	1545.7	1544.5
5°	1526.4	1538.7	1551.1	1549.3	1542.7	1540.2	1541.6	1544.0	1549.1	1554.2	1549.1
7.5°	1520.5	1533.1	1545.8	1544.1	1537.8	1535.8	1538.3	1541.7	1547.9	1554.2	1547.9
10°	1516.6	1527.5	1538.4	1536.7	1530.9	1529.8	1533.5	1537.5	1542.5	1547.6	1542.5
12.5°	1504.9	1515.2	1525.5	1524.1	1518.9	1518.7	1523.5	1528.2	1532.7	1537.2	1532.7
15°	1484.0	1493.4	1502.8	1503.0	1500.1	1501.9	1508.4	1514.2	1517.9	1521.5	1517.9
17.5°	1455.6	1467.0	1478.5	1481.1	1480.8	1485.3	1494.6	1502.5	1506.3	1510.1	1506.3
20°	1433.3	1447.1	1460.9	1465.5	1466.9	1473.4	1485.0	1495.6	1502.8	1510.1	1502.8
22.5°	1409.8	1425.9	1442.1	1448.0	1450.7	1460.7	1478.1	1494.3	1506.7	1519.2	1506.7
25°	1374.6	1390.5	1406.5	1418.1	1428.3	1446.0	1471.4	1495.2	1514.1	1532.9	1514.1
27.5°	1333.4	1349.3	1365.1	1385.0	1406.4	1431.3	1459.9	1485.1	1500.0	1515.0	1500.0
30°	1306.0	1321.2	1336.5	1359.3	1384.7	1412.3	1442.1	1467.8	1481.6	1495.4	1481.6
32.5°	1272.1	1287.9	1303.7	1328.0	1355.1	1384.7	1416.8	1444.0	1456.6	1469.3	1456.6
35°	1217.9	1233.1	1248.3	1276.6	1309.3	1342.3	1375.7	1402.5	1409.8	1417.0	1409.8
37.5°	1155.5	1172.8	1190.0	1221.8	1258.3	1286.0	1304.7	1318.9	1319.3	1319.7	1319.3
40°	1108.5	1131.0	1153.5	1185.2	1220.0	1239.3	1242.9	1243.3	1233.8	1224.4	1233.8
42.5°	1062.8	1091.6	1120.5	1146.0	1170.4	1175.4	1161.0	1139.8	1097.8	1055.9	1097.8
45°	992.6	1026.7	1060.8	1076.4	1085.8	1053.9	980.6	918.4	889.4	860.3	889.4
47.5°	917.8	951.5	985.1	980.8	963.8	915.5	835.8	771.1	751.1	731.0	751.1
50°	866.9	898.8	930.7	907.7	866.3	811.9	744.4	689.1	670.2	651.4	670.2
52.5°	809.4	837.8	866.3	831.5	775.6	718.3	659.5	608.3	579.5	550.8	579.5
55°	719.9	739.5	759.1	721.0	663.7	600.6	531.7	473.1	445.5	417.9	445.5
57.5°	612.2	626.0	639.8	609.8	565.2	502.5	421.5	353.1	322.1	291.2	322.1
60°	540.4	551.2	562.1	534.9	495.0	435.2	355.3	291.7	276.4	261.2	276.4
62.5°	475.1	484.8	494.5	466.1	425.1	371.6	305.7	255.0	249.6	244.2	249.6
65°	385.3	394.7	404.1	374.4	331.6	289.9	249.2	218.6	217.9	217.1	217.9
67.5°	306.6	316.9	327.2	299.2	258.4	227.6	206.7	190.8	189.9	189.0	189.9
70°	259.6	270.5	281.3	255.2	216.8	191.7	180.1	171.1	169.6	168.1	169.6
72.5°	220.4	230.7	241.0	218.2	184.4	163.7	156.2	150.3	149.4	148.6	149.4
75°	166.5	174.5	182.5	166.0	141.3	127.2	123.5	120.6	119.9	119.2	119.9
77.5°	120.8	125.9	131.0	120.2	104.0	95.0	93.2	91.6	90.8	90.1	90.8
80°	94.7	96.9	99.0	91.4	80.5	74.7	74.0	73.3	72.6	71.8	72.6
82.5°	71.2	70.5	69.7	65.3	59.6	56.4	55.7	54.9	53.5	52.2	53.5
85°	37.5	36.1	34.6	33.2	31.7	29.6	26.7	23.9	21.8	19.6	21.8
87.5°	13.1	14.9	17.2	16.9	15.3	14.0	13.5	13.5	13.9	13.9	13.9
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°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4
2.5°	1543.3	1542.2	1541.0	1543.6	1550.0	1552.3	1542.5	1532.6	1542.5	1552.3	1550.0
5°	1544.0	1541.6	1540.2	1542.7	1549.3	1551.1	1538.7	1526.4	1538.7	1551.1	1549.3
7.5°	1541.7	1538.3	1535.8	1537.8	1544.1	1545.8	1533.1	1520.5	1533.1	1545.8	1544.1
10°	1537.5	1533.5	1529.8	1530.9	1536.7	1538.4	1527.5	1516.6	1527.5	1538.4	1536.7
12.5°	1528.2	1523.5	1518.7	1518.9	1524.1	1525.5	1515.2	1504.9	1515.2	1525.5	1524.1
15°	1514.2	1508.4	1501.9	1500.1	1503.0	1502.8	1493.4	1484.0	1493.4	1502.8	1503.0
17.5°	1502.5	1494.6	1485.3	1480.8	1481.1	1478.5	1467.0	1455.6	1467.0	1478.5	1481.1
20°	1495.6	1485.0	1473.4	1466.9	1465.5	1460.9	1447.1	1433.3	1447.1	1460.9	1465.5
22.5°	1494.3	1478.1	1460.7	1450.7	1448.0	1442.1	1425.9	1409.8	1425.9	1442.1	1448.0
25°	1495.2	1471.4	1446.0	1428.3	1418.1	1406.5	1390.5	1374.6	1390.5	1406.5	1418.1
27.5°	1485.1	1459.9	1431.3	1406.4	1385.0	1365.1	1349.3	1333.4	1349.3	1365.1	1385.0
30°	1467.8	1442.1	1412.3	1384.7	1359.3	1336.5	1321.2	1306.0	1321.2	1336.5	1359.3
32.5°	1444.0	1416.8	1384.7	1355.1	1328.0	1303.7	1287.9	1272.1	1287.9	1303.7	1328.0
35°	1402.5	1375.7	1342.3	1309.3	1276.6	1248.3	1233.1	1217.9	1233.1	1248.3	1276.6
37.5°	1318.9	1304.7	1286.0	1258.3	1221.8	1190.0	1172.8	1155.5	1172.8	1190.0	1221.8
40°	1243.3	1242.9	1239.3	1220.0	1185.2	1153.5	1131.0	1108.5	1131.0	1153.5	1185.2
42.5°	1139.8	1161.0	1175.4	1170.4	1146.0	1120.5	1091.6	1062.8	1091.6	1120.5	1146.0
45°	918.4	980.6	1053.9	1085.8	1076.4	1060.8	1026.7	992.6	1026.7	1060.8	1076.4
47.5°	771.1	835.8	915.5	963.8	980.8	985.1	951.5	917.8	951.5	985.1	980.8
50°	689.1	744.4	811.9	866.3	907.7	930.7	898.8	866.9	898.8	930.7	907.7
52.5°	608.3	659.5	718.3	775.6	831.5	866.3	837.8	809.4	837.8	866.3	831.5
55°	473.1	531.7	600.6	663.7	721.0	759.1	739.5	719.9	739.5	759.1	721.0
57.5°	353.1	421.5	502.5	565.2	609.8	639.8	626.0	612.2	626.0	639.8	609.8
60°	291.7	355.3	435.2	495.0	534.9	562.1	551.2	540.4	551.2	562.1	534.9
62.5°	255.0	305.7	371.6	425.1	466.1	494.5	484.8	475.1	484.8	494.5	466.1
65°	218.6	249.2	289.9	331.6	374.4	404.1	394.7	385.3	394.7	404.1	374.4
67.5°	190.8	206.7	227.6	258.4	299.2	327.2	316.9	306.6	316.9	327.2	299.2
70°	171.1	180.1	191.7	216.8	255.2	281.3	270.5	259.6	270.5	281.3	255.2
72.5°	150.3	156.2	163.7	184.4	218.2	241.0	230.7	220.4	230.7	241.0	218.2
75°	120.6	123.5	127.2	141.3	166.0	182.5	174.5	166.5	174.5	182.5	166.0
77.5°	91.6	93.2	95.0	104.0	120.2	131.0	125.9	120.8	125.9	131.0	120.2
80°	73.3	74.0	74.7	80.5	91.4	99.0	96.9	94.7	96.9	99.0	91.4
82.5°	54.9	55.7	56.4	59.6	65.3	69.7	70.5	71.2	70.5	69.7	65.3
85°	23.9	26.7	29.6	31.7	33.2	34.6	36.1	37.5	36.1	34.6	33.2
87.5°	13.5	13.5	14.0	15.3	16.9	17.2	14.9	13.1	14.9	16.8	17.8
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: P1428138

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-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: P1428138

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4
2.5°	1543.6	1541.0	1542.2	1543.3	1544.5	1545.7	1544.5	1543.3	1542.2	1541.0	1543.6
5°	1542.7	1540.2	1541.6	1544.0	1549.1	1554.2	1549.1	1544.0	1541.6	1540.2	1542.7
7.5°	1537.8	1535.8	1538.3	1541.7	1547.9	1554.2	1547.9	1541.7	1538.3	1535.8	1537.8
10°	1530.9	1529.8	1533.5	1537.5	1542.5	1547.6	1542.5	1537.5	1533.5	1529.8	1530.9
12.5°	1518.9	1518.7	1523.5	1528.2	1532.7	1537.2	1532.7	1528.2	1523.5	1518.7	1518.9
15°	1500.1	1501.9	1508.4	1514.2	1517.9	1521.5	1517.9	1514.2	1508.4	1501.9	1500.1
17.5°	1480.8	1485.3	1494.6	1502.5	1506.3	1510.1	1506.3	1502.5	1494.6	1485.3	1480.8
20°	1466.9	1473.4	1485.0	1495.6	1502.8	1510.1	1502.8	1495.6	1485.0	1473.4	1466.9
22.5°	1450.7	1460.7	1478.1	1494.3	1506.7	1519.2	1506.7	1494.3	1478.1	1460.7	1450.7
25°	1428.3	1446.0	1471.4	1495.2	1514.1	1532.9	1514.1	1495.2	1471.4	1446.0	1428.3
27.5°	1406.4	1431.3	1459.9	1485.1	1500.0	1515.0	1500.0	1485.1	1459.9	1431.3	1406.4
30°	1384.7	1412.3	1442.1	1467.8	1481.6	1495.4	1481.6	1467.8	1442.1	1412.3	1384.7
32.5°	1355.1	1384.7	1416.8	1444.0	1456.6	1469.3	1456.6	1444.0	1416.8	1384.7	1355.1
35°	1309.3	1342.3	1375.7	1402.5	1409.8	1417.0	1409.8	1402.5	1375.7	1342.3	1309.3
37.5°	1258.3	1286.0	1304.7	1318.9	1319.3	1319.7	1319.3	1318.9	1304.7	1286.0	1258.3
40°	1220.0	1239.3	1242.9	1243.3	1233.8	1224.4	1233.8	1243.3	1242.9	1239.3	1220.0
42.5°	1170.4	1175.4	1161.0	1139.8	1097.8	1055.9	1097.8	1139.8	1161.0	1175.4	1170.4
45°	1085.8	1053.9	980.6	918.4	889.4	860.3	889.4	918.4	980.6	1053.9	1085.8
47.5°	963.8	915.5	835.8	771.1	751.1	731.0	751.1	771.1	835.8	915.5	963.8
50°	866.3	811.9	744.4	689.1	670.2	651.4	670.2	689.1	744.4	811.9	866.3
52.5°	775.6	718.3	659.5	608.3	579.5	550.8	579.5	608.3	659.5	718.3	775.6
55°	663.7	600.6	531.7	473.1	445.5	417.9	445.5	473.1	531.7	600.6	663.7
57.5°	565.2	502.5	421.5	353.1	322.1	291.2	322.1	353.1	421.5	502.5	565.2
60°	495.0	435.2	355.3	291.7	276.4	261.2	276.4	291.7	355.3	435.2	495.0
62.5°	425.1	371.6	305.7	255.0	249.6	244.2	249.6	255.0	305.7	371.6	425.1
65°	331.6	289.9	249.2	218.6	217.9	217.1	217.9	218.6	249.2	289.9	331.6
67.5°	258.4	227.6	206.7	190.8	189.9	189.0	189.9	190.8	206.7	227.6	258.4
70°	216.8	191.7	180.1	171.1	169.6	168.1	169.6	171.1	180.1	191.7	216.8
72.5°	184.4	163.7	156.2	150.3	149.4	148.6	149.4	150.3	156.2	163.7	184.4
75°	141.3	127.2	123.5	120.6	119.9	119.2	119.9	120.6	123.5	127.2	141.3
77.5°	104.0	95.0	93.2	91.6	90.8	90.1	90.8	91.6	93.2	95.0	104.0
80°	80.5	74.7	74.0	73.3	72.6	71.8	72.6	73.3	74.0	74.7	80.5
82.5°	59.6	56.4	55.7	54.9	53.5	52.2	53.5	54.9	55.7	56.4	59.6
85°	31.7	29.6	26.7	23.9	21.8	19.6	21.8	23.9	26.7	29.6	31.7
87.5°	17.1	18.6	21.2	22.6	24.4	23.5	24.4	22.6	21.2	18.6	17.1
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: P1428138

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-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: P1428138

CATALOG NUMBER: SQ2W-PP3-K-150U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1544.4	1544.4	1544.4	1544.4
2.5°	1550.0	1552.3	1542.5	1532.6
5°	1549.3	1551.1	1538.7	1526.4
7.5°	1544.1	1545.8	1533.1	1520.5
10°	1536.7	1538.4	1527.5	1516.6
12.5°	1524.1	1525.5	1515.2	1504.9
15°	1503.0	1502.8	1493.4	1484.0
17.5°	1481.1	1478.5	1467.0	1455.6
20°	1465.5	1460.9	1447.1	1433.3
22.5°	1448.0	1442.1	1425.9	1409.8
25°	1418.1	1406.5	1390.5	1374.6
27.5°	1385.0	1365.1	1349.3	1333.4
30°	1359.3	1336.5	1321.2	1306.0
32.5°	1328.0	1303.7	1287.9	1272.1
35°	1276.6	1248.3	1233.1	1217.9
37.5°	1221.8	1190.0	1172.8	1155.5
40°	1185.2	1153.5	1131.0	1108.5
42.5°	1146.0	1120.5	1091.6	1062.8
45°	1076.4	1060.8	1026.7	992.6
47.5°	980.8	985.1	951.5	917.8
50°	907.7	930.7	898.8	866.9
52.5°	831.5	866.3	837.8	809.4
55°	721.0	759.1	739.5	719.9
57.5°	609.8	639.8	626.0	612.2
60°	534.9	562.1	551.2	540.4
62.5°	466.1	494.5	484.8	475.1
65°	374.4	404.1	394.7	385.3
67.5°	299.2	327.2	316.9	306.6
70°	255.2	281.3	270.5	259.6
72.5°	218.2	241.0	230.7	220.4
75°	166.0	182.5	174.5	166.5
77.5°	120.2	131.0	125.9	120.8
80°	91.4	99.0	96.9	94.7
82.5°	65.3	69.7	70.5	71.2
85°	33.2	34.6	36.1	37.5
87.5°	17.8	16.8	14.9	13.1
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: P1428138

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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: P1428138
 CATALOG NUMBER: SQ2W-PP3-K-150U-075D-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	17.30	18.04	18.36	19.10	20.54	13.07	13.81	14.14	14.87	16.32
	3H	18.35	19.01	19.43	20.08	21.54	14.37	15.03	15.45	16.10	17.56
	4H	18.71	19.34	19.80	20.41	21.88	14.92	15.54	16.01	16.62	18.09
	6H	18.90	19.47	20.00	20.55	22.03	15.28	15.85	16.37	16.93	18.41
	8H	18.96	19.50	20.06	20.60	22.07	15.40	15.95	16.50	17.04	18.52
	12H	18.98	19.49	20.08	20.58	22.08	15.43	15.95	16.54	17.04	18.54
4H	2H	17.40	18.03	18.50	19.10	20.57	13.96	14.59	15.06	15.66	17.13
	3H	18.68	19.20	19.78	20.30	21.79	15.38	15.89	16.47	16.99	18.48
	4H	19.19	19.66	20.29	20.75	22.26	15.99	16.46	17.10	17.56	19.06
	6H	19.50	19.90	20.61	21.02	22.51	16.43	16.84	17.54	17.95	19.45
	8H	19.60	19.98	20.72	21.09	22.60	16.60	16.98	17.71	18.08	19.60
	12H	19.64	19.99	20.77	21.10	22.62	16.64	16.98	17.77	18.10	19.62
8H	4H	19.20	19.58	20.31	20.68	22.20	16.29	16.67	17.40	17.78	19.29
	6H	19.61	19.92	20.74	21.07	22.58	16.85	17.16	17.98	18.31	19.82
	8H	19.79	20.06	20.93	21.19	22.72	17.09	17.37	18.23	18.50	20.03
	12H	19.88	20.12	21.02	21.25	22.81	17.19	17.43	18.33	18.56	20.12
12H	4H	19.15	19.49	20.28	20.61	22.13	16.30	16.64	17.43	17.76	19.28
	6H	19.60	19.87	20.74	21.00	22.53	16.91	17.19	18.05	18.32	19.84
	8H	19.79	20.03	20.93	21.16	22.72	17.18	17.42	18.32	18.55	20.11