

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: P1427814

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427814
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-150U-125D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS 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

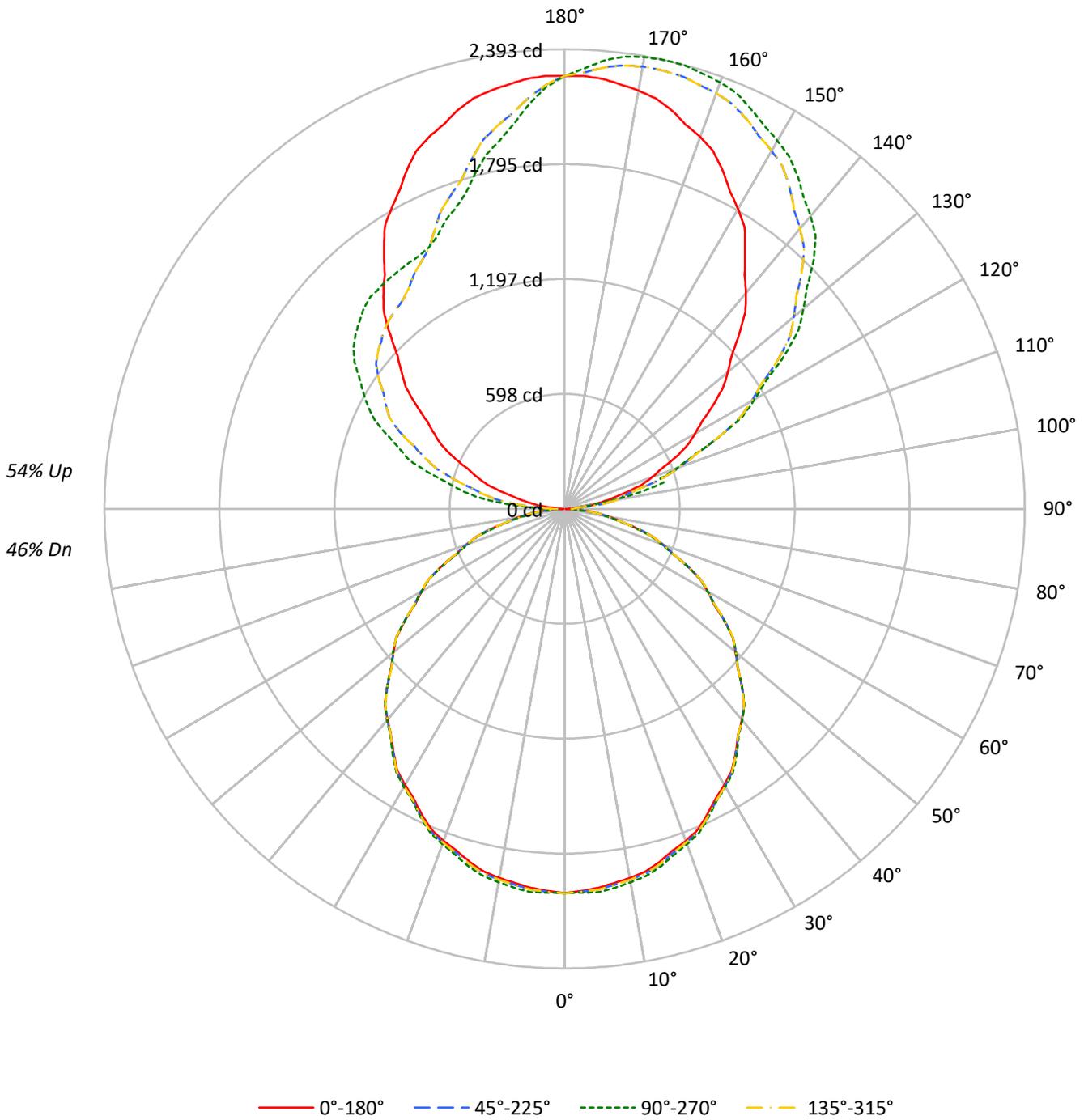
Lumens per Lamp: N/A
Luminaire Lumens: 12220.6 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46				46
1	97	92	88	85	89	85	82	79	71	69	66	58	56	55	46	45	44				39	
2	88	80	74	69	80	74	69	64	62	58	55	51	48	46	40	39	37				32	
3	80	71	63	57	73	65	59	53	54	50	46	45	41	38	36	33	31				27	
4	73	62	54	48	67	57	51	45	48	43	39	40	36	33	32	29	27				23	
5	67	55	47	41	61	51	44	39	43	38	33	36	31	28	29	26	23				20	
6	62	50	42	36	56	46	39	33	39	33	29	32	28	25	26	23	20				17	
7	57	45	37	31	52	41	34	29	35	30	25	29	25	22	24	20	18				15	
8	53	41	33	27	48	38	31	26	32	26	23	27	22	19	22	18	16				14	
9	49	37	29	24	45	34	28	23	29	24	20	24	20	17	20	17	14				12	
10	46	34	27	22	42	31	25	21	27	22	18	23	18	16	18	15	13				11	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32306	32306	32306	32306
5°	32110	32474	32110	32474
10°	31996	32365	31996	32365
15°	31821	32220	31821	32220
20°	31620	31934	31620	31934
25°	31277	31553	31277	31553
30°	30946	31157	30946	31157
35°	30551	30746	30551	30746
40°	30205	30293	30205	30293
45°	29761	29761	29761	29761
50°	29165	29235	29165	29235
55°	28478	28518	28478	28518
60°	27709	27709	27709	27709
65°	26807	26701	26807	26701
70°	25543	25279	25543	25279
75°	23824	23293	23824	23293
80°	21227	20176	21227	20176
85°	16969	14357	16969	14357

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 29962 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	1.5
10°-20°	541.0	4.4
20°-30°	814.3	6.7
30°-40°	973.8	8.0
40°-50°	1005.5	8.2
50°-60°	906.9	7.4
60°-70°	694.7	5.7
70°-80°	401.5	3.3
80°-90°	113.6	0.9
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°	1544.6	12.6
0°-40°	2518.3	20.6
0°-60°	4430.8	36.3
0°-90°	5640.7	46.2
90°-120°	1556.0	12.7
90°-150°	4880.2	39.9
90°-180°	6580.0	53.8
0°-180°	12220.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2001	2001	2001	2001	2001	
5°	1981	2004	1981	2004	1981	188
15°	1904	1928	1904	1928	1904	537
25°	1756	1771	1756	1771	1756	809
35°	1550	1560	1550	1560	1550	970
45°	1303	1303	1303	1303	1303	1004
55°	1012	1013	1012	1013	1012	904
65°	702	699	702	699	702	694
75°	382	373	382	373	382	404
85°	92	78	92	78	92	107
90°	7	50	7	98	7	9
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°	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9
2.5°	1990.8	2000.3	2009.8	2005.8	1997.3	1994.0	1996.0	1997.8	1998.8	1999.8	1998.8
5°	1981.2	1993.7	2006.2	2001.9	1991.8	1987.5	1988.7	1991.2	1997.5	2003.7	1997.5
7.5°	1965.1	1977.7	1990.2	1986.2	1976.6	1972.6	1974.1	1976.9	1983.4	1989.9	1983.4
10°	1951.6	1964.1	1976.6	1972.3	1962.2	1958.5	1961.0	1964.1	1969.1	1974.1	1969.1
12.5°	1934.7	1947.2	1959.7	1956.1	1947.1	1943.3	1944.8	1947.3	1952.9	1958.4	1952.9
15°	1903.7	1916.2	1928.7	1925.3	1916.5	1913.1	1915.0	1917.6	1922.6	1927.6	1922.6
17.5°	1866.2	1878.0	1889.8	1886.6	1878.5	1875.4	1877.6	1880.3	1884.7	1889.0	1884.7
20°	1840.3	1851.6	1862.8	1859.5	1851.4	1847.6	1848.3	1849.8	1854.2	1858.6	1854.2
22.5°	1808.7	1820.0	1831.3	1828.3	1820.7	1816.2	1814.8	1815.1	1820.5	1825.9	1820.5
25°	1755.7	1767.0	1778.3	1775.9	1769.0	1764.7	1762.8	1762.5	1766.8	1771.2	1766.8
27.5°	1700.5	1709.9	1719.3	1717.3	1711.6	1708.0	1706.8	1706.6	1709.8	1712.9	1709.8
30°	1659.9	1669.3	1678.7	1676.4	1670.1	1666.3	1665.1	1664.9	1668.1	1671.2	1668.1
32.5°	1617.1	1626.0	1634.9	1631.6	1624.4	1620.6	1620.4	1621.1	1624.7	1628.4	1624.7
35°	1550.0	1557.5	1565.0	1561.7	1554.9	1551.7	1552.4	1553.6	1556.7	1559.9	1556.7
37.5°	1482.7	1488.4	1494.2	1490.8	1484.4	1481.2	1481.1	1481.6	1484.2	1486.9	1484.2
40°	1433.1	1439.3	1445.6	1442.0	1435.1	1431.3	1430.7	1431.0	1434.1	1437.3	1434.1
42.5°	1382.3	1387.1	1391.8	1388.6	1382.7	1380.0	1380.4	1381.0	1382.7	1384.3	1382.7
45°	1303.4	1307.8	1312.2	1309.1	1303.4	1300.6	1300.6	1300.9	1302.2	1303.4	1302.2
47.5°	1220.8	1224.2	1227.6	1225.2	1220.8	1218.2	1217.5	1217.4	1219.4	1221.4	1219.4
50°	1161.1	1165.5	1169.9	1167.7	1163.3	1160.5	1159.2	1158.9	1161.4	1163.9	1161.4
52.5°	1102.5	1107.4	1112.2	1110.2	1105.8	1102.7	1101.0	1100.2	1102.2	1104.2	1102.2
55°	1011.7	1017.4	1023.0	1021.6	1017.8	1014.7	1012.2	1010.6	1011.9	1013.1	1011.9
57.5°	919.0	924.5	930.0	929.0	925.7	922.6	919.6	917.8	919.5	921.3	919.5
60°	858.1	863.1	868.2	866.6	862.8	859.7	857.2	855.6	856.9	858.1	856.9
62.5°	796.1	801.1	806.2	804.2	800.0	796.6	794.1	792.5	793.8	795.0	793.8
65°	701.7	706.1	710.5	708.8	705.0	701.9	699.4	697.7	698.3	698.9	698.3
67.5°	606.5	610.2	614.0	612.2	608.6	604.9	601.3	598.8	599.8	600.8	599.8
70°	541.1	544.9	548.6	547.2	544.1	540.9	537.8	535.5	535.5	535.5	535.5
72.5°	478.0	481.2	484.5	482.6	478.9	475.8	473.2	471.2	471.2	471.2	471.2
75°	381.9	383.7	385.6	384.7	382.8	380.3	377.2	374.7	374.0	373.4	374.0
77.5°	289.1	289.1	289.1	287.4	285.0	282.6	280.2	278.2	277.5	276.7	277.5
80°	228.3	228.3	228.3	226.9	225.0	223.1	221.2	219.5	218.3	217.0	218.3
82.5°	171.9	170.9	169.9	168.2	166.4	164.0	161.1	159.3	160.5	161.8	160.5
85°	91.6	90.3	89.1	87.4	85.5	83.3	80.8	78.8	78.1	77.5	78.1
87.5°	29.5	30.4	31.6	32.1	31.9	30.6	28.6	27.5	27.4	26.9	27.4
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°	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9
2.5°	1997.8	1996.0	1994.0	1997.3	2005.8	2009.8	2000.3	1990.8	2000.3	2009.8	2005.8
5°	1991.2	1988.7	1987.5	1991.8	2001.9	2006.2	1993.7	1981.2	1993.7	2006.2	2001.9
7.5°	1976.9	1974.1	1972.6	1976.6	1986.2	1990.2	1977.7	1965.1	1977.7	1990.2	1986.2
10°	1964.1	1961.0	1958.5	1962.2	1972.3	1976.6	1964.1	1951.6	1964.1	1976.6	1972.3
12.5°	1947.3	1944.8	1943.3	1947.1	1956.1	1959.7	1947.2	1934.7	1947.2	1959.7	1956.1
15°	1917.6	1915.0	1913.1	1916.5	1925.3	1928.7	1916.2	1903.7	1916.2	1928.7	1925.3
17.5°	1880.3	1877.6	1875.4	1878.5	1886.6	1889.8	1878.0	1866.2	1878.0	1889.8	1886.6
20°	1849.8	1848.3	1847.6	1851.4	1859.5	1862.8	1851.6	1840.3	1851.6	1862.8	1859.5
22.5°	1815.1	1814.8	1816.2	1820.7	1828.3	1831.3	1820.0	1808.7	1820.0	1831.3	1828.3
25°	1762.5	1762.8	1764.7	1769.0	1775.9	1778.3	1767.0	1755.7	1767.0	1778.3	1775.9
27.5°	1706.6	1706.8	1708.0	1711.6	1717.3	1719.3	1709.9	1700.5	1709.9	1719.3	1717.3
30°	1664.9	1665.1	1666.3	1670.1	1676.4	1678.7	1669.3	1659.9	1669.3	1678.7	1676.4
32.5°	1621.1	1620.4	1620.6	1624.4	1631.6	1634.9	1626.0	1617.1	1626.0	1634.9	1631.6
35°	1553.6	1552.4	1551.7	1554.9	1561.7	1565.0	1557.5	1550.0	1557.5	1565.0	1561.7
37.5°	1481.6	1481.1	1481.2	1484.4	1490.8	1494.2	1488.4	1482.7	1488.4	1494.2	1490.8
40°	1431.0	1430.7	1431.3	1435.1	1442.0	1445.6	1439.3	1433.1	1439.3	1445.6	1442.0
42.5°	1381.0	1380.4	1380.0	1382.7	1388.6	1391.8	1387.1	1382.3	1387.1	1391.8	1388.6
45°	1300.9	1300.6	1300.6	1303.4	1309.1	1312.2	1307.8	1303.4	1307.8	1312.2	1309.1
47.5°	1217.4	1217.5	1218.2	1220.8	1225.2	1227.6	1224.2	1220.8	1224.2	1227.6	1225.2
50°	1158.9	1159.2	1160.5	1163.3	1167.7	1169.9	1165.5	1161.1	1165.5	1169.9	1167.7
52.5°	1100.2	1101.0	1102.7	1105.8	1110.2	1112.2	1107.4	1102.5	1107.4	1112.2	1110.2
55°	1010.6	1012.2	1014.7	1017.8	1021.6	1023.0	1017.4	1011.7	1017.4	1023.0	1021.6
57.5°	917.8	919.6	922.6	925.7	929.0	930.0	924.5	919.0	924.5	930.0	929.0
60°	855.6	857.2	859.7	862.8	866.6	868.2	863.1	858.1	863.1	868.2	866.6
62.5°	792.5	794.1	796.6	800.0	804.2	806.2	801.1	796.1	801.1	806.2	804.2
65°	697.7	699.4	701.9	705.0	708.8	710.5	706.1	701.7	706.1	710.5	708.8
67.5°	598.8	601.3	604.9	608.6	612.2	614.0	610.2	606.5	610.2	614.0	612.2
70°	535.5	537.8	540.9	544.1	547.2	548.6	544.9	541.1	544.9	548.6	547.2
72.5°	471.2	473.2	475.8	478.9	482.6	484.5	481.2	478.0	481.2	484.5	482.6
75°	374.7	377.2	380.3	382.8	384.7	385.6	383.7	381.9	383.7	385.6	384.7
77.5°	278.2	280.2	282.6	285.0	287.4	289.1	289.1	289.1	289.1	289.1	287.4
80°	219.5	221.2	223.1	225.0	226.9	228.3	228.3	228.3	228.3	228.3	226.9
82.5°	159.3	161.1	164.0	166.4	168.2	169.9	170.9	171.9	170.9	169.9	168.2
85°	78.8	80.8	83.3	85.5	87.4	89.1	90.3	91.6	90.3	89.1	87.4
87.5°	27.5	28.6	30.6	31.9	32.1	31.6	30.4	29.5	30.4	31.2	33.0
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: P1427814

CATALOG NUMBER: SQ2W-F-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: P1427814

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9	2000.9
2.5°	1997.3	1994.0	1996.0	1997.8	1998.8	1999.8	1998.8	1997.8	1996.0	1994.0	1997.3
5°	1991.8	1987.5	1988.7	1991.2	1997.5	2003.7	1997.5	1991.2	1988.7	1987.5	1991.8
7.5°	1976.6	1972.6	1974.1	1976.9	1983.4	1989.9	1983.4	1976.9	1974.1	1972.6	1976.6
10°	1962.2	1958.5	1961.0	1964.1	1969.1	1974.1	1969.1	1964.1	1961.0	1958.5	1962.2
12.5°	1947.1	1943.3	1944.8	1947.3	1952.9	1958.4	1952.9	1947.3	1944.8	1943.3	1947.1
15°	1916.5	1913.1	1915.0	1917.6	1922.6	1927.6	1922.6	1917.6	1915.0	1913.1	1916.5
17.5°	1878.5	1875.4	1877.6	1880.3	1884.7	1889.0	1884.7	1880.3	1877.6	1875.4	1878.5
20°	1851.4	1847.6	1848.3	1849.8	1854.2	1858.6	1854.2	1849.8	1848.3	1847.6	1851.4
22.5°	1820.7	1816.2	1814.8	1815.1	1820.5	1825.9	1820.5	1815.1	1814.8	1816.2	1820.7
25°	1769.0	1764.7	1762.8	1762.5	1766.8	1771.2	1766.8	1762.5	1762.8	1764.7	1769.0
27.5°	1711.6	1708.0	1706.8	1706.6	1709.8	1712.9	1709.8	1706.6	1706.8	1708.0	1711.6
30°	1670.1	1666.3	1665.1	1664.9	1668.1	1671.2	1668.1	1664.9	1665.1	1666.3	1670.1
32.5°	1624.4	1620.6	1620.4	1621.1	1624.7	1628.4	1624.7	1621.1	1620.4	1620.6	1624.4
35°	1554.9	1551.7	1552.4	1553.6	1556.7	1559.9	1556.7	1553.6	1552.4	1551.7	1554.9
37.5°	1484.4	1481.2	1481.1	1481.6	1484.2	1486.9	1484.2	1481.6	1481.1	1481.2	1484.4
40°	1435.1	1431.3	1430.7	1431.0	1434.1	1437.3	1434.1	1431.0	1430.7	1431.3	1435.1
42.5°	1382.7	1380.0	1380.4	1381.0	1382.7	1384.3	1382.7	1381.0	1380.4	1380.0	1382.7
45°	1303.4	1300.6	1300.6	1300.9	1302.2	1303.4	1302.2	1300.9	1300.6	1300.6	1303.4
47.5°	1220.8	1218.2	1217.5	1217.4	1219.4	1221.4	1219.4	1217.4	1217.5	1218.2	1220.8
50°	1163.3	1160.5	1159.2	1158.9	1161.4	1163.9	1161.4	1158.9	1159.2	1160.5	1163.3
52.5°	1105.8	1102.7	1101.0	1100.2	1102.2	1104.2	1102.2	1100.2	1101.0	1102.7	1105.8
55°	1017.8	1014.7	1012.2	1010.6	1011.9	1013.1	1011.9	1010.6	1012.2	1014.7	1017.8
57.5°	925.7	922.6	919.6	917.8	919.5	921.3	919.5	917.8	919.6	922.6	925.7
60°	862.8	859.7	857.2	855.6	856.9	858.1	856.9	855.6	857.2	859.7	862.8
62.5°	800.0	796.6	794.1	792.5	793.8	795.0	793.8	792.5	794.1	796.6	800.0
65°	705.0	701.9	699.4	697.7	698.3	698.9	698.3	697.7	699.4	701.9	705.0
67.5°	608.6	604.9	601.3	598.8	599.8	600.8	599.8	598.8	601.3	604.9	608.6
70°	544.1	540.9	537.8	535.5	535.5	535.5	535.5	535.5	537.8	540.9	544.1
72.5°	478.9	475.8	473.2	471.2	471.2	471.2	471.2	471.2	473.2	475.8	478.9
75°	382.8	380.3	377.2	374.7	374.0	373.4	374.0	374.7	377.2	380.3	382.8
77.5°	285.0	282.6	280.2	278.2	277.5	276.7	277.5	278.2	280.2	282.6	285.0
80°	225.0	223.1	221.2	219.5	218.3	217.0	218.3	219.5	221.2	223.1	225.0
82.5°	166.4	164.0	161.1	159.3	160.5	161.8	160.5	159.3	161.1	164.0	166.4
85°	85.5	83.3	80.8	78.8	78.1	77.5	78.1	78.8	80.8	83.3	85.5
87.5°	33.8	35.2	36.4	36.6	37.9	36.5	37.9	36.6	36.4	35.2	33.8
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: P1427814

CATALOG NUMBER: SQ2W-F-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: P1427814

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2000.9	2000.9	2000.9	2000.9
2.5°	2005.8	2009.8	2000.3	1990.8
5°	2001.9	2006.2	1993.7	1981.2
7.5°	1986.2	1990.2	1977.7	1965.1
10°	1972.3	1976.6	1964.1	1951.6
12.5°	1956.1	1959.7	1947.2	1934.7
15°	1925.3	1928.7	1916.2	1903.7
17.5°	1886.6	1889.8	1878.0	1866.2
20°	1859.5	1862.8	1851.6	1840.3
22.5°	1828.3	1831.3	1820.0	1808.7
25°	1775.9	1778.3	1767.0	1755.7
27.5°	1717.3	1719.3	1709.9	1700.5
30°	1676.4	1678.7	1669.3	1659.9
32.5°	1631.6	1634.9	1626.0	1617.1
35°	1561.7	1565.0	1557.5	1550.0
37.5°	1490.8	1494.2	1488.4	1482.7
40°	1442.0	1445.6	1439.3	1433.1
42.5°	1388.6	1391.8	1387.1	1382.3
45°	1309.1	1312.2	1307.8	1303.4
47.5°	1225.2	1227.6	1224.2	1220.8
50°	1167.7	1169.9	1165.5	1161.1
52.5°	1110.2	1112.2	1107.4	1102.5
55°	1021.6	1023.0	1017.4	1011.7
57.5°	929.0	930.0	924.5	919.0
60°	866.6	868.2	863.1	858.1
62.5°	804.2	806.2	801.1	796.1
65°	708.8	710.5	706.1	701.7
67.5°	612.2	614.0	610.2	606.5
70°	547.2	548.6	544.9	541.1
72.5°	482.6	484.5	481.2	478.0
75°	384.7	385.6	383.7	381.9
77.5°	287.4	289.1	289.1	289.1
80°	226.9	228.3	228.3	228.3
82.5°	168.2	169.9	170.9	171.9
85°	87.4	89.1	90.3	91.6
87.5°	33.0	31.2	30.4	29.5
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: P1427814

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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: P1427814
 CATALOG NUMBER: SQ2W-F-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	19.57	20.41	20.56	21.41	22.73	19.49	20.32	20.47	21.33	22.65
	3H	21.36	22.11	22.36	23.12	24.47	21.26	22.01	22.25	23.02	24.36
	4H	22.05	22.77	23.06	23.78	25.13	21.94	22.65	22.95	23.66	25.02
	6H	22.49	23.15	23.51	24.16	25.53	22.35	23.00	23.37	24.02	25.39
	8H	22.65	23.27	23.68	24.31	25.67	22.49	23.12	23.52	24.15	25.51
	12H	22.73	23.33	23.76	24.36	25.74	22.56	23.15	23.59	24.18	25.57
4H	2H	20.15	20.86	21.16	21.87	23.23	20.08	20.79	21.10	21.81	23.16
	3H	22.17	22.76	23.19	23.80	25.17	22.07	22.67	23.10	23.71	25.08
	4H	22.98	23.53	24.01	24.56	25.95	22.87	23.41	23.90	24.45	25.84
	6H	23.53	24.00	24.57	25.06	26.44	23.39	23.86	24.43	24.92	26.30
	8H	23.74	24.18	24.79	25.23	26.63	23.59	24.02	24.63	25.07	26.47
	12H	23.86	24.25	24.92	25.32	26.72	23.67	24.07	24.73	25.13	26.54
8H	4H	23.22	23.66	24.27	24.71	26.11	23.12	23.56	24.17	24.61	26.01
	6H	23.91	24.27	24.98	25.37	26.76	23.78	24.14	24.85	25.23	26.63
	8H	24.21	24.53	25.29	25.61	27.03	24.06	24.38	25.14	25.45	26.87
	12H	24.40	24.68	25.48	25.75	27.21	24.21	24.49	25.29	25.56	27.02
12H	4H	23.22	23.61	24.28	24.68	26.08	23.12	23.52	24.19	24.58	25.99
	6H	23.96	24.28	25.04	25.36	26.77	23.83	24.15	24.91	25.23	26.65
	8H	24.29	24.57	25.37	25.65	27.10	24.14	24.42	25.22	25.49	26.95