

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: P1427958

Luminaire Tested: SQ2W-PH1-K-125U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427958
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-125U-125D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

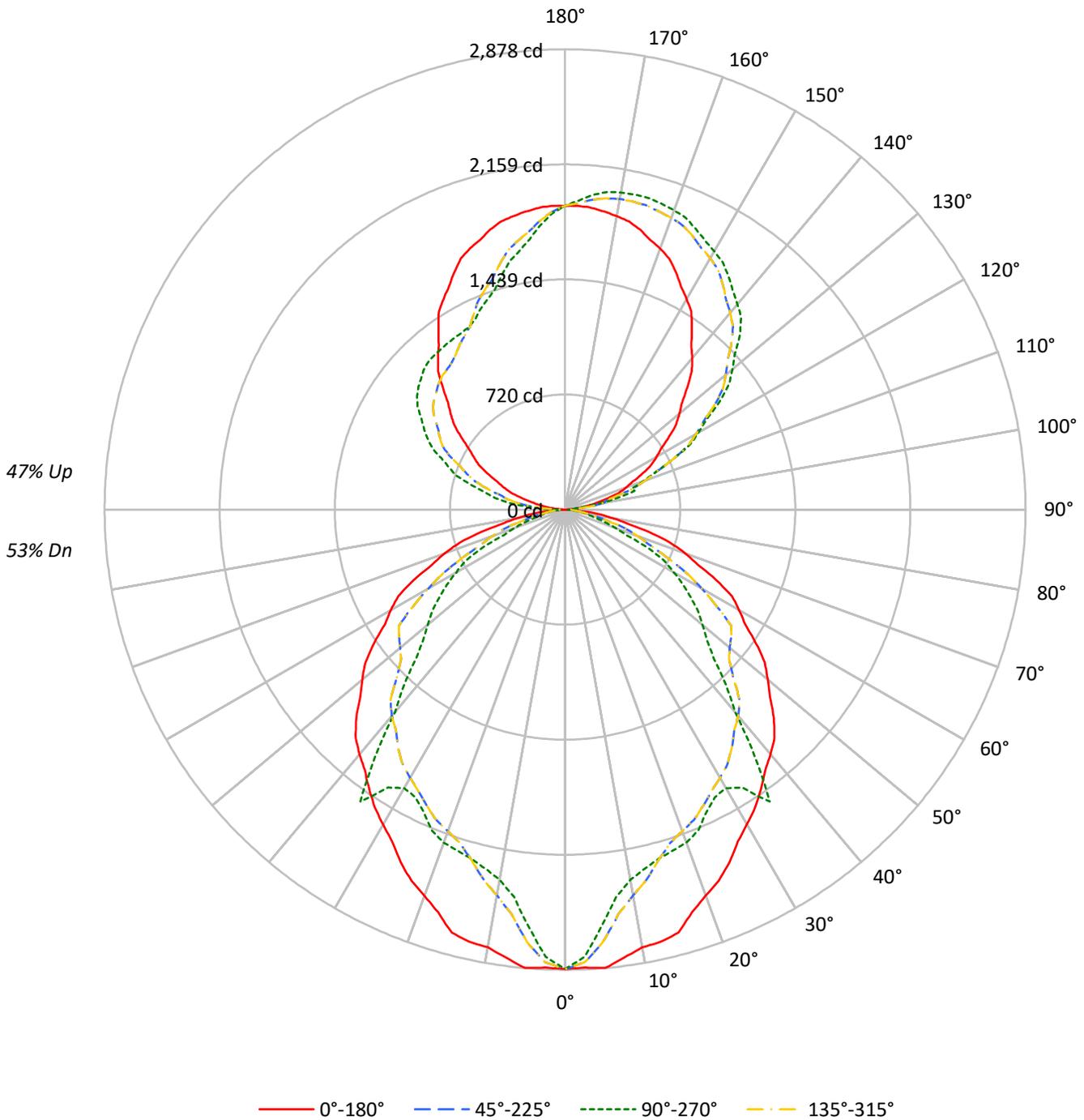
Lumens per Lamp: N/A
Luminaire Lumens: 11906.4 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 93.2
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	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	53	53	53	53	
1	99	95	91	87	91	88	84	81	75	73	71	63	62	60	53	52	51	45	45	45	45	
2	90	83	77	72	83	77	72	67	66	62	59	56	53	51	47	45	43	38	38	38	38	
3	82	73	66	60	76	68	61	56	58	53	49	50	46	43	41	39	37	33	33	33	33	
4	75	65	57	51	70	60	53	48	52	46	42	44	40	37	37	34	32	28	28	28	28	
5	69	58	49	43	64	54	46	41	46	41	36	40	35	32	33	30	28	24	24	24	24	
6	64	52	44	38	59	48	41	36	42	36	32	36	31	28	30	27	24	21	21	21	21	
7	59	47	39	33	55	44	36	31	38	32	28	33	28	25	28	24	22	19	19	19	19	
8	55	42	35	29	51	40	33	28	35	29	25	30	25	22	25	22	19	17	17	17	17	
9	51	39	31	26	47	36	30	25	32	26	22	28	23	20	23	20	17	15	15	15	15	
10	48	36	28	23	44	33	27	22	29	24	20	25	21	18	22	18	16	14	14	14	14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46376	46376	46376	46376
5°	46643	42390	46643	42390
10°	45569	38534	45569	38534
15°	45774	37779	45774	37779
20°	44140	38083	44140	38083
25°	43332	37197	43332	37197
30°	42393	37501	42393	37501
35°	42071	43957	42071	43957
40°	42107	34850	42107	34850
45°	42123	30017	42123	30017
50°	41533	28145	41533	28145
55°	41005	27003	41005	27003
60°	40596	25329	40596	25329
65°	39885	22032	39885	22032
70°	37671	15739	37671	15739
75°	33586	11934	33586	11934
80°	27447	11185	27447	11185
85°	17210	7595	17210	7595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 42123 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.8	2.1
10°-20°	664.8	5.6
20°-30°	974.7	8.2
30°-40°	1180.2	9.9
40°-50°	1160.6	9.7
50°-60°	1009.5	8.5
60°-70°	702.1	5.9
70°-80°	333.0	2.8
80°-90°	81.3	0.7
90°-100°	151.2	1.3
100°-110°	440.9	3.7
110°-120°	719.6	6.0
120°-130°	913.1	7.7
130°-140°	977.1	8.2
140°-150°	912.4	7.7
150°-160°	750.8	6.3
160°-170°	503.5	4.2
170°-180°	178.8	1.5
0°-30°	1892.3	15.9
0°-40°	3072.5	25.8
0°-60°	5242.6	44.0
0°-90°	6359.0	53.4
90°-120°	1311.8	11.0
90°-150°	4114.3	34.6
90°-180°	5547.0	46.6
0°-180°	11906.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2872	2872	2872	2872	2872	
5°	2878	2616	2878	2616	2878	271
15°	2738	2260	2738	2260	2738	763
25°	2432	2088	2432	2088	2432	1119
35°	2134	2230	2134	2230	2134	1337
45°	1845	1315	1845	1315	1845	1418
55°	1457	959	1457	959	1457	1301
65°	1044	577	1044	577	1044	1026
75°	538	191	538	191	538	571
85°	93	41	93	41	93	125
90°	6	42	6	82	6	7
95°	60	44	60	259	60	72
105°	280	449	280	618	280	298
115°	537	745	537	917	537	530
125°	794	1180	794	1125	794	711
135°	1080	1545	1080	1246	1080	835
145°	1380	1781	1380	1272	1380	863
155°	1639	1934	1639	1320	1639	753
165°	1812	2017	1812	1520	1812	510
175°	1894	1975	1894	1783	1894	180
180°	1900	1900	1900	1900	1900	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4
2.5°	2865.9	2879.5	2893.1	2873.9	2843.7	2822.9	2811.2	2802.0	2800.0	2798.1	2800.0
5°	2877.9	2876.7	2875.5	2818.7	2743.4	2686.9	2649.2	2620.4	2617.9	2615.5	2617.9
7.5°	2825.4	2787.8	2750.1	2673.8	2584.7	2519.3	2477.8	2446.1	2444.2	2442.2	2444.2
10°	2779.5	2722.4	2665.3	2579.1	2483.1	2416.3	2378.6	2350.4	2350.4	2350.4	2350.4
12.5°	2768.6	2678.4	2588.3	2493.8	2397.8	2335.9	2308.0	2288.5	2294.3	2300.1	2294.3
15°	2738.5	2602.5	2466.4	2370.4	2287.9	2242.9	2235.6	2233.5	2246.9	2260.2	2246.9
17.5°	2639.0	2492.5	2346.0	2261.7	2198.0	2174.0	2189.5	2205.1	2220.6	2236.2	2220.6
20°	2569.0	2424.5	2280.0	2201.9	2146.0	2132.7	2161.8	2187.3	2201.9	2216.5	2201.9
22.5°	2510.0	2363.5	2217.0	2148.0	2104.7	2099.1	2131.2	2157.2	2165.0	2172.8	2165.0
25°	2432.4	2267.2	2102.0	2051.6	2039.4	2047.3	2075.3	2095.3	2091.7	2088.0	2091.7
27.5°	2339.5	2167.0	1994.5	1962.1	1976.5	1992.1	2009.1	2022.4	2024.6	2026.8	2024.6
30°	2273.9	2101.4	1928.9	1903.1	1926.2	1946.2	1963.2	1979.9	1995.7	2011.5	1995.7
32.5°	2210.5	2032.2	1853.8	1835.3	1870.1	1907.6	1947.9	1987.2	2023.4	2059.6	2023.4
35°	2134.5	1948.7	1762.8	1748.2	1790.7	1845.4	1912.2	1992.1	2111.1	2230.2	2111.1
37.5°	2054.7	1855.5	1656.3	1649.7	1707.2	1764.8	1822.4	1875.0	1912.9	1950.8	1912.9
40°	1997.8	1788.9	1580.0	1579.7	1648.9	1720.6	1794.7	1828.4	1740.9	1653.5	1740.9
42.5°	1936.6	1727.7	1518.8	1512.6	1574.1	1653.1	1749.5	1784.9	1637.2	1489.5	1637.2
45°	1844.8	1627.4	1409.9	1402.0	1464.0	1507.7	1533.2	1525.9	1420.3	1314.6	1420.3
47.5°	1736.6	1529.3	1322.1	1320.4	1387.2	1392.1	1335.0	1281.9	1240.6	1199.3	1240.6
50°	1653.5	1457.9	1262.4	1270.9	1347.4	1340.1	1249.0	1174.0	1147.3	1120.5	1147.3
52.5°	1572.6	1386.7	1200.9	1223.5	1315.6	1301.0	1179.8	1084.3	1066.4	1048.4	1066.4
55°	1456.7	1278.1	1099.6	1150.6	1278.1	1258.7	1092.3	966.6	962.9	959.3	962.9
57.5°	1333.7	1164.9	996.0	1031.4	1134.9	1114.5	970.2	863.6	869.9	876.2	869.9
60°	1257.2	1093.2	929.2	933.8	994.5	975.1	875.5	799.0	791.7	784.4	791.7
62.5°	1176.3	1020.1	863.9	841.2	863.1	840.3	772.7	720.2	713.0	705.7	713.0
65°	1044.0	901.9	759.8	717.0	707.2	674.5	618.6	576.7	576.7	576.7	576.7
67.5°	898.6	774.7	650.8	602.9	580.3	547.8	505.2	466.1	436.9	407.8	436.9
70°	798.0	688.7	579.4	529.3	498.9	460.1	412.7	372.3	352.9	333.4	352.9
72.5°	690.9	597.1	503.4	452.0	414.9	377.0	338.3	303.8	281.4	259.1	281.4
75°	538.4	463.1	387.8	338.0	296.7	258.4	223.2	196.2	193.7	191.3	193.7
77.5°	389.2	334.3	279.4	239.0	203.6	177.0	159.2	146.0	146.2	146.5	146.2
80°	295.2	253.9	212.6	174.9	138.5	119.6	118.4	117.8	119.0	120.3	119.0
82.5°	207.7	177.1	146.5	122.4	100.6	90.5	92.2	93.5	93.8	94.0	93.8
85°	92.9	78.3	63.8	58.3	55.9	52.2	47.4	43.4	42.2	41.0	42.2
87.5°	20.8	21.4	22.3	21.4	19.7	18.6	18.6	19.0	19.4	19.4	19.4
90°	5.8	13.4	23.0	30.7	36.5	38.4	38.4	40.3	42.2	42.2	42.2
92.5°	21.1	33.4	33.8	33.8	41.1	44.5	47.6	48.0	49.9	49.9	49.9
95°	59.5	65.2	97.9	96.0	65.2	51.8	44.1	44.1	44.1	44.1	44.1
97.5°	113.6	122.1	127.4	170.8	180.4	174.3	142.0	119.4	106.7	100.9	106.7
100°	161.2	165.0	176.6	178.5	226.5	272.5	249.5	220.7	211.1	205.3	211.1
102.5°	208.8	211.1	228.8	236.8	247.9	274.0	353.9	345.1	338.5	337.4	338.5
105°	280.2	282.1	314.7	330.1	337.8	337.8	335.8	374.2	435.6	449.1	435.6
107.5°	356.6	365.4	403.8	444.8	453.7	456.0	446.0	440.2	437.9	439.5	437.9
110°	408.8	422.2	468.3	520.1	533.5	537.3	533.5	527.8	523.9	523.9	523.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	459.4	479.0	531.2	590.7	613.3	624.9	616.4	612.2	608.4	611.4	608.4
115°	537.3	566.1	635.2	696.6	742.7	748.4	746.5	746.5	744.6	744.6	744.6
117.5°	609.5	655.6	733.1	804.5	857.8	873.2	880.9	878.6	876.3	880.1	876.3
120°	660.2	713.9	802.2	882.8	934.6	957.6	965.3	961.5	965.3	961.5	965.3
122.5°	713.9	779.9	866.7	950.3	1011.4	1037.5	1046.7	1047.4	1048.2	1045.9	1048.2
125°	794.5	875.1	976.8	1063.2	1126.5	1157.2	1164.9	1166.8	1170.6	1180.2	1170.6
127.5°	875.9	967.2	1078.9	1162.2	1227.1	1264.3	1276.2	1280.4	1288.5	1292.7	1288.5
130°	932.7	1036.3	1149.5	1228.2	1291.6	1331.9	1353.0	1358.7	1368.3	1366.4	1368.3
132.5°	992.6	1100.8	1215.6	1297.3	1356.0	1399.4	1417.4	1433.9	1437.4	1440.1	1437.4
135°	1080.5	1197.5	1312.7	1393.3	1448.9	1491.1	1514.2	1529.5	1539.1	1544.9	1539.1
137.5°	1173.0	1296.5	1407.1	1478.9	1534.9	1571.4	1597.5	1613.6	1623.6	1628.2	1623.6
140°	1235.9	1354.9	1462.4	1537.2	1587.1	1623.6	1646.6	1665.8	1677.3	1677.3	1677.3
142.5°	1295.8	1413.2	1517.6	1592.5	1636.2	1669.6	1694.2	1708.8	1721.8	1721.8	1721.8
145°	1379.8	1496.9	1592.8	1667.7	1704.2	1734.9	1761.7	1773.2	1780.9	1780.9	1780.9
147.5°	1467.7	1571.4	1658.9	1730.6	1761.3	1797.4	1818.5	1827.7	1837.3	1833.1	1837.3
150°	1519.9	1615.9	1700.3	1767.5	1798.2	1832.7	1853.8	1861.5	1871.1	1865.4	1871.1
152.5°	1570.6	1661.9	1738.7	1801.3	1827.4	1861.9	1886.1	1893.8	1900.3	1896.1	1900.3
155°	1638.9	1719.5	1790.5	1848.1	1871.1	1903.7	1926.8	1936.4	1944.0	1934.4	1944.0
157.5°	1699.9	1769.4	1831.2	1884.2	1908.7	1936.8	1958.2	1970.1	1977.8	1973.6	1977.8
160°	1736.8	1800.1	1855.8	1905.7	1928.7	1953.6	1976.7	1990.1	1997.8	1992.0	1997.8
162.5°	1767.5	1824.7	1877.3	1922.5	1942.5	1964.4	1992.0	2003.9	2011.6	2004.3	2011.6
165°	1811.6	1857.7	1903.7	1942.1	1959.4	1976.7	2005.5	2018.9	2024.6	2017.0	2024.6
167.5°	1845.0	1880.3	1917.6	1950.6	1963.2	1980.1	2008.9	2020.0	2027.3	2017.7	2027.3
170°	1863.4	1894.1	1926.8	1953.6	1963.2	1978.6	2007.4	2017.0	2022.7	2013.1	2022.7
172.5°	1878.8	1901.8	1928.3	1952.1	1957.1	1969.4	1996.6	2006.2	2010.4	2002.4	2010.4
175°	1894.1	1907.6	1926.8	1942.1	1940.2	1947.9	1970.9	1978.6	1986.3	1974.7	1986.3
177.5°	1901.4	1907.6	1913.7	1922.9	1916.8	1916.8	1933.7	1938.3	1939.8	1933.7	1939.8
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4
2.5°	2802.0	2811.2	2822.9	2843.7	2873.9	2893.1	2879.5	2865.9	2879.5	2893.1	2873.9
5°	2620.4	2649.2	2686.9	2743.4	2818.7	2875.5	2876.7	2877.9	2876.7	2875.5	2818.7
7.5°	2446.1	2477.8	2519.3	2584.7	2673.8	2750.1	2787.8	2825.4	2787.8	2750.1	2673.8
10°	2350.4	2378.6	2416.3	2483.1	2579.1	2665.3	2722.4	2779.5	2722.4	2665.3	2579.1
12.5°	2288.5	2308.0	2335.9	2397.8	2493.8	2588.3	2678.4	2768.6	2678.4	2588.3	2493.8
15°	2233.5	2235.6	2242.9	2287.9	2370.4	2466.4	2602.5	2738.5	2602.5	2466.4	2370.4
17.5°	2205.1	2189.5	2174.0	2198.0	2261.7	2346.0	2492.5	2639.0	2492.5	2346.0	2261.7
20°	2187.3	2161.8	2132.7	2146.0	2201.9	2280.0	2424.5	2569.0	2424.5	2280.0	2201.9
22.5°	2157.2	2131.2	2099.1	2104.7	2148.0	2217.0	2363.5	2510.0	2363.5	2217.0	2148.0
25°	2095.3	2075.3	2047.3	2039.4	2051.6	2102.0	2267.2	2432.4	2267.2	2102.0	2051.6
27.5°	2022.4	2009.1	1992.1	1976.5	1962.1	1994.5	2167.0	2339.5	2167.0	1994.5	1962.1
30°	1979.9	1963.2	1946.2	1926.2	1903.1	1928.9	2101.4	2273.9	2101.4	1928.9	1903.1
32.5°	1987.2	1947.9	1907.6	1870.1	1835.3	1853.8	2032.2	2210.5	2032.2	1853.8	1835.3
35°	1992.1	1912.2	1845.4	1790.7	1748.2	1762.8	1948.7	2134.5	1948.7	1762.8	1748.2
37.5°	1875.0	1822.4	1764.8	1707.2	1649.7	1656.3	1855.5	2054.7	1855.5	1656.3	1649.7
40°	1828.4	1794.7	1720.6	1648.9	1579.7	1580.0	1788.9	1997.8	1788.9	1580.0	1579.7
42.5°	1784.9	1749.5	1653.1	1574.1	1512.6	1518.8	1727.7	1936.6	1727.7	1518.8	1512.6
45°	1525.9	1533.2	1507.7	1464.0	1402.0	1409.9	1627.4	1844.8	1627.4	1409.9	1402.0
47.5°	1281.9	1335.0	1392.1	1387.2	1320.4	1322.1	1529.3	1736.6	1529.3	1322.1	1320.4
50°	1174.0	1249.0	1340.1	1347.4	1270.9	1262.4	1457.9	1653.5	1457.9	1262.4	1270.9
52.5°	1084.3	1179.8	1301.0	1315.6	1223.5	1200.9	1386.7	1572.6	1386.7	1200.9	1223.5
55°	966.6	1092.3	1258.7	1278.1	1150.6	1099.6	1278.1	1456.7	1278.1	1099.6	1150.6
57.5°	863.6	970.2	1114.5	1134.9	1031.4	996.0	1164.9	1333.7	1164.9	996.0	1031.4
60°	799.0	875.5	975.1	994.5	933.8	929.2	1093.2	1257.2	1093.2	929.2	933.8
62.5°	720.2	772.7	840.3	863.1	841.2	863.9	1020.1	1176.3	1020.1	863.9	841.2
65°	576.7	618.6	674.5	707.2	717.0	759.8	901.9	1044.0	901.9	759.8	717.0
67.5°	466.1	505.2	547.8	580.3	602.9	650.8	774.7	898.6	774.7	650.8	602.9
70°	372.3	412.7	460.1	498.9	529.3	579.4	688.7	798.0	688.7	579.4	529.3
72.5°	303.8	338.3	377.0	414.9	452.0	503.4	597.1	690.9	597.1	503.4	452.0
75°	196.2	223.2	258.4	296.7	338.0	387.8	463.1	538.4	463.1	387.8	338.0
77.5°	146.0	159.2	177.0	203.6	239.0	279.4	334.3	389.2	334.3	279.4	239.0
80°	117.8	118.4	119.6	138.5	174.9	212.6	253.9	295.2	253.9	212.6	174.9
82.5°	93.5	92.2	90.5	100.6	122.4	146.5	177.1	207.7	177.1	146.5	122.4
85°	43.4	47.4	52.2	55.9	58.3	63.8	78.3	92.9	78.3	63.8	58.3
87.5°	19.0	18.6	18.6	19.7	21.4	22.3	21.4	20.8	21.4	22.0	22.2
90°	40.3	38.4	38.4	36.5	30.7	23.0	13.4	5.8	13.4	21.1	34.5
92.5°	48.0	47.6	44.5	41.1	33.8	33.8	33.4	21.1	36.5	51.8	74.5
95°	44.1	44.1	51.8	65.2	96.0	97.9	65.2	59.5	84.4	119.0	149.7
97.5°	119.4	142.0	174.3	180.4	170.8	127.4	122.1	113.6	154.7	188.8	238.4
100°	220.7	249.5	272.5	226.5	178.5	176.6	165.0	161.2	205.3	238.0	285.9
102.5°	345.1	353.9	274.0	247.9	236.8	228.8	211.1	208.8	252.9	297.8	338.1
105°	374.2	335.8	337.8	337.8	330.1	314.7	282.1	280.2	330.1	381.9	431.8
107.5°	440.2	446.0	456.0	453.7	444.8	403.8	365.4	356.6	401.5	463.7	518.5
110°	527.8	533.5	537.3	533.5	520.1	468.3	422.2	408.8	449.1	514.3	573.8



TEST NUMBER: P1427958

CATALOG NUMBER: SQ2W-PH1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	612.2	616.4	624.9	613.3	590.7	531.2	479.0	459.4	499.7	566.5	627.5
115°	746.5	746.5	748.4	742.7	696.6	635.2	566.1	537.3	571.9	633.3	700.5
117.5°	878.6	880.9	873.2	857.8	804.5	733.1	655.6	609.5	636.8	701.6	770.7
120°	961.5	965.3	957.6	934.6	882.8	802.2	713.9	660.2	681.3	744.6	813.7
122.5°	1047.4	1046.7	1037.5	1011.4	950.3	866.7	779.9	713.9	722.7	781.5	849.0
125°	1166.8	1164.9	1157.2	1126.5	1063.2	976.8	875.1	794.5	783.0	832.9	902.0
127.5°	1280.4	1276.2	1264.3	1227.1	1162.2	1078.9	967.2	875.9	850.2	881.6	945.0
130°	1358.7	1353.0	1331.9	1291.6	1228.2	1149.5	1036.3	932.7	896.2	915.4	971.1
132.5°	1433.9	1417.4	1399.4	1356.0	1297.3	1215.6	1100.8	992.6	942.3	950.7	994.1
135°	1529.5	1514.2	1491.1	1448.9	1393.3	1312.7	1197.5	1080.5	1011.4	1003.7	1028.6
137.5°	1613.6	1597.5	1571.4	1534.9	1478.9	1407.1	1296.5	1173.0	1085.8	1060.1	1069.7
140°	1665.8	1646.6	1623.6	1587.1	1537.2	1462.4	1354.9	1235.9	1138.0	1101.6	1095.8
142.5°	1708.8	1694.2	1669.6	1636.2	1592.5	1517.6	1413.2	1295.8	1191.8	1144.5	1131.1
145°	1773.2	1761.7	1734.9	1704.2	1667.7	1592.8	1496.9	1379.8	1276.2	1214.8	1186.0
147.5°	1827.7	1818.5	1797.4	1761.3	1730.6	1658.9	1571.4	1467.7	1361.4	1285.4	1248.2
150°	1861.5	1853.8	1832.7	1798.2	1767.5	1700.3	1615.9	1519.9	1418.2	1337.6	1289.6
152.5°	1893.8	1886.1	1861.9	1827.4	1801.3	1738.7	1661.9	1570.6	1467.3	1386.7	1337.2
155°	1936.4	1926.8	1903.7	1871.1	1848.1	1790.5	1719.5	1638.9	1550.6	1466.2	1410.5
157.5°	1970.1	1958.2	1936.8	1908.7	1884.2	1831.2	1769.4	1699.9	1622.8	1542.2	1485.4
160°	1990.1	1976.7	1953.6	1928.7	1905.7	1855.8	1800.1	1736.8	1665.8	1592.8	1531.4
162.5°	2003.9	1992.0	1964.4	1942.5	1922.5	1877.3	1824.7	1767.5	1704.2	1640.4	1583.6
165°	2018.9	2005.5	1976.7	1959.4	1942.1	1903.7	1857.7	1811.6	1757.9	1706.1	1660.0
167.5°	2020.0	2008.9	1980.1	1963.2	1950.6	1917.6	1880.3	1845.0	1803.2	1762.5	1724.1
170°	2017.0	2007.4	1978.6	1963.2	1953.6	1926.8	1894.1	1863.4	1830.8	1796.3	1765.6
172.5°	2006.2	1996.6	1969.4	1957.1	1952.1	1928.3	1901.8	1878.8	1850.8	1825.4	1800.9
175°	1978.6	1970.9	1947.9	1940.2	1942.1	1926.8	1907.6	1894.1	1876.9	1861.5	1848.1
177.5°	1938.3	1933.7	1916.8	1916.8	1922.9	1913.7	1907.6	1901.4	1893.8	1889.2	1884.6
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1427958

CATALOG NUMBER: SQ2W-PH1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4	2872.4
2.5°	2843.7	2822.9	2811.2	2802.0	2800.0	2798.1	2800.0	2802.0	2811.2	2822.9	2843.7
5°	2743.4	2686.9	2649.2	2620.4	2617.9	2615.5	2617.9	2620.4	2649.2	2686.9	2743.4
7.5°	2584.7	2519.3	2477.8	2446.1	2444.2	2442.2	2444.2	2446.1	2477.8	2519.3	2584.7
10°	2483.1	2416.3	2378.6	2350.4	2350.4	2350.4	2350.4	2350.4	2378.6	2416.3	2483.1
12.5°	2397.8	2335.9	2308.0	2288.5	2294.3	2300.1	2294.3	2288.5	2308.0	2335.9	2397.8
15°	2287.9	2242.9	2235.6	2233.5	2246.9	2260.2	2246.9	2233.5	2235.6	2242.9	2287.9
17.5°	2198.0	2174.0	2189.5	2205.1	2220.6	2236.2	2220.6	2205.1	2189.5	2174.0	2198.0
20°	2146.0	2132.7	2161.8	2187.3	2201.9	2216.5	2201.9	2187.3	2161.8	2132.7	2146.0
22.5°	2104.7	2099.1	2131.2	2157.2	2165.0	2172.8	2165.0	2157.2	2131.2	2099.1	2104.7
25°	2039.4	2047.3	2075.3	2095.3	2091.7	2088.0	2091.7	2095.3	2075.3	2047.3	2039.4
27.5°	1976.5	1992.1	2009.1	2022.4	2024.6	2026.8	2024.6	2022.4	2009.1	1992.1	1976.5
30°	1926.2	1946.2	1963.2	1979.9	1995.7	2011.5	1995.7	1979.9	1963.2	1946.2	1926.2
32.5°	1870.1	1907.6	1947.9	1987.2	2023.4	2059.6	2023.4	1987.2	1947.9	1907.6	1870.1
35°	1790.7	1845.4	1912.2	1992.1	2111.1	2230.2	2111.1	1992.1	1912.2	1845.4	1790.7
37.5°	1707.2	1764.8	1822.4	1875.0	1912.9	1950.8	1912.9	1875.0	1822.4	1764.8	1707.2
40°	1648.9	1720.6	1794.7	1828.4	1740.9	1653.5	1740.9	1828.4	1794.7	1720.6	1648.9
42.5°	1574.1	1653.1	1749.5	1784.9	1637.2	1489.5	1637.2	1784.9	1749.5	1653.1	1574.1
45°	1464.0	1507.7	1533.2	1525.9	1420.3	1314.6	1420.3	1525.9	1533.2	1507.7	1464.0
47.5°	1387.2	1392.1	1335.0	1281.9	1240.6	1199.3	1240.6	1281.9	1335.0	1392.1	1387.2
50°	1347.4	1340.1	1249.0	1174.0	1147.3	1120.5	1147.3	1174.0	1249.0	1340.1	1347.4
52.5°	1315.6	1301.0	1179.8	1084.3	1066.4	1048.4	1066.4	1084.3	1179.8	1301.0	1315.6
55°	1278.1	1258.7	1092.3	966.6	962.9	959.3	962.9	966.6	1092.3	1258.7	1278.1
57.5°	1134.9	1114.5	970.2	863.6	869.9	876.2	869.9	863.6	970.2	1114.5	1134.9
60°	994.5	975.1	875.5	799.0	791.7	784.4	791.7	799.0	875.5	975.1	994.5
62.5°	863.1	840.3	772.7	720.2	713.0	705.7	713.0	720.2	772.7	840.3	863.1
65°	707.2	674.5	618.6	576.7	576.7	576.7	576.7	576.7	618.6	674.5	707.2
67.5°	580.3	547.8	505.2	466.1	436.9	407.8	436.9	466.1	505.2	547.8	580.3
70°	498.9	460.1	412.7	372.3	352.9	333.4	352.9	372.3	412.7	460.1	498.9
72.5°	414.9	377.0	338.3	303.8	281.4	259.1	281.4	303.8	338.3	377.0	414.9
75°	296.7	258.4	223.2	196.2	193.7	191.3	193.7	196.2	223.2	258.4	296.7
77.5°	203.6	177.0	159.2	146.0	146.2	146.5	146.2	146.0	159.2	177.0	203.6
80°	138.5	119.6	118.4	117.8	119.0	120.3	119.0	117.8	118.4	119.6	138.5
82.5°	100.6	90.5	92.2	93.5	93.8	94.0	93.8	93.5	92.2	90.5	100.6
85°	55.9	52.2	47.4	43.4	42.2	41.0	42.2	43.4	47.4	52.2	55.9
87.5°	21.2	22.4	25.1	26.7	28.2	27.4	28.2	26.7	25.1	22.4	21.2
90°	44.1	57.6	71.0	78.7	86.4	82.5	86.4	78.7	71.0	57.6	44.1
92.5°	88.7	111.3	127.8	141.6	147.8	147.0	147.8	141.6	127.8	111.3	88.7
95°	178.5	205.3	232.2	251.4	262.9	259.1	262.9	251.4	232.2	205.3	178.5
97.5°	275.2	311.3	341.2	359.3	370.8	378.4	370.8	359.3	341.2	311.3	275.2
100°	339.7	374.2	408.8	429.9	449.1	456.7	449.1	429.9	408.8	374.2	339.7
102.5°	391.9	437.2	474.8	497.4	513.5	521.2	513.5	497.4	474.8	437.2	391.9
105°	477.9	525.8	566.1	594.9	612.2	617.9	612.2	594.9	566.1	525.8	477.9
107.5°	563.8	613.3	650.6	682.4	703.5	715.8	703.5	682.4	650.6	613.3	563.8
110°	631.4	671.7	712.0	740.8	761.9	769.6	761.9	740.8	712.0	671.7	631.4



TEST NUMBER: P1427958

CATALOG NUMBER: SQ2W-PH1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	688.2	733.1	773.4	802.2	826.4	837.1	826.4	802.2	773.4	733.1	688.2
115°	767.6	827.1	863.6	890.5	907.7	917.3	907.7	890.5	863.6	827.1	767.6
117.5°	833.7	895.8	935.8	956.5	964.5	971.4	964.5	956.5	935.8	895.8	833.7
120°	875.1	932.7	978.7	1005.6	1015.2	1019.0	1015.2	1005.6	978.7	932.7	875.1
122.5°	913.5	968.0	1012.5	1045.5	1061.3	1065.1	1061.3	1045.5	1012.5	968.0	913.5
125°	967.2	1019.0	1065.1	1097.7	1115.0	1124.6	1115.0	1097.7	1065.1	1019.0	967.2
127.5°	1014.1	1070.1	1112.3	1141.9	1158.7	1166.4	1158.7	1141.9	1112.3	1070.1	1014.1
130°	1040.1	1097.7	1139.9	1172.6	1187.9	1195.6	1187.9	1172.6	1139.9	1097.7	1040.1
132.5°	1060.1	1120.8	1164.5	1194.1	1210.9	1218.6	1210.9	1194.1	1164.5	1120.8	1060.1
135°	1084.3	1147.6	1193.7	1222.5	1237.8	1245.5	1237.8	1222.5	1193.7	1147.6	1084.3
137.5°	1105.4	1163.0	1210.9	1241.3	1255.1	1260.1	1255.1	1241.3	1210.9	1163.0	1105.4
140°	1120.8	1170.6	1218.6	1247.4	1262.8	1264.7	1262.8	1247.4	1218.6	1170.6	1120.8
142.5°	1140.7	1179.9	1221.7	1250.5	1265.8	1269.3	1265.8	1250.5	1221.7	1179.9	1140.7
145°	1176.4	1199.4	1228.2	1255.1	1268.5	1272.4	1268.5	1255.1	1228.2	1199.4	1176.4
147.5°	1221.3	1228.6	1243.6	1261.2	1274.3	1277.0	1274.3	1261.2	1243.6	1228.6	1221.3
150°	1255.1	1253.2	1258.9	1270.4	1282.0	1280.0	1282.0	1270.4	1258.9	1253.2	1255.1
152.5°	1293.5	1282.3	1282.0	1287.3	1292.7	1292.3	1292.7	1287.3	1282.0	1282.3	1293.5
155°	1358.7	1337.6	1326.1	1322.3	1322.3	1320.3	1322.3	1322.3	1326.1	1337.6	1358.7
157.5°	1430.5	1400.9	1383.7	1374.5	1371.8	1367.5	1371.8	1374.5	1383.7	1400.9	1430.5
160°	1479.6	1447.0	1429.7	1414.4	1408.6	1402.9	1408.6	1414.4	1429.7	1447.0	1479.6
162.5°	1525.7	1494.6	1475.8	1462.0	1456.2	1447.4	1456.2	1462.0	1475.8	1494.6	1525.7
165°	1600.5	1567.9	1546.8	1535.3	1527.6	1519.9	1527.6	1535.3	1546.8	1567.9	1600.5
167.5°	1675.4	1639.7	1625.9	1612.8	1605.5	1591.7	1605.5	1612.8	1625.9	1639.7	1675.4
170°	1721.4	1688.8	1681.1	1669.6	1656.2	1640.8	1656.2	1669.6	1681.1	1688.8	1721.4
172.5°	1761.3	1739.5	1731.8	1720.3	1716.1	1703.8	1716.1	1720.3	1731.8	1739.5	1761.3
175°	1819.3	1802.0	1802.0	1800.1	1794.4	1782.8	1794.4	1800.1	1802.0	1802.0	1819.3
177.5°	1867.7	1858.5	1864.6	1864.6	1863.1	1852.3	1863.1	1864.6	1864.6	1858.5	1867.7
180°	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1427958

CATALOG NUMBER: SQ2W-PH1-K-125U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2872.4	2872.4	2872.4	2872.4
2.5°	2873.9	2893.1	2879.5	2865.9
5°	2818.7	2875.5	2876.7	2877.9
7.5°	2673.8	2750.1	2787.8	2825.4
10°	2579.1	2665.3	2722.4	2779.5
12.5°	2493.8	2588.3	2678.4	2768.6
15°	2370.4	2466.4	2602.5	2738.5
17.5°	2261.7	2346.0	2492.5	2639.0
20°	2201.9	2280.0	2424.5	2569.0
22.5°	2148.0	2217.0	2363.5	2510.0
25°	2051.6	2102.0	2267.2	2432.4
27.5°	1962.1	1994.5	2167.0	2339.5
30°	1903.1	1928.9	2101.4	2273.9
32.5°	1835.3	1853.8	2032.2	2210.5
35°	1748.2	1762.8	1948.7	2134.5
37.5°	1649.7	1656.3	1855.5	2054.7
40°	1579.7	1580.0	1788.9	1997.8
42.5°	1512.6	1518.8	1727.7	1936.6
45°	1402.0	1409.9	1627.4	1844.8
47.5°	1320.4	1322.1	1529.3	1736.6
50°	1270.9	1262.4	1457.9	1653.5
52.5°	1223.5	1200.9	1386.7	1572.6
55°	1150.6	1099.6	1278.1	1456.7
57.5°	1031.4	996.0	1164.9	1333.7
60°	933.8	929.2	1093.2	1257.2
62.5°	841.2	863.9	1020.1	1176.3
65°	717.0	759.8	901.9	1044.0
67.5°	602.9	650.8	774.7	898.6
70°	529.3	579.4	688.7	798.0
72.5°	452.0	503.4	597.1	690.9
75°	338.0	387.8	463.1	538.4
77.5°	239.0	279.4	334.3	389.2
80°	174.9	212.6	253.9	295.2
82.5°	122.4	146.5	177.1	207.7
85°	58.3	63.8	78.3	92.9
87.5°	22.2	22.0	21.4	20.8
90°	34.5	21.1	13.4	5.8
92.5°	74.5	51.8	36.5	21.1
95°	149.7	119.0	84.4	59.5
97.5°	238.4	188.8	154.7	113.6
100°	285.9	238.0	205.3	161.2
102.5°	338.1	297.8	252.9	208.8
105°	431.8	381.9	330.1	280.2
107.5°	518.5	463.7	401.5	356.6
110°	573.8	514.3	449.1	408.8



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	627.5	566.5	499.7	459.4
115°	700.5	633.3	571.9	537.3
117.5°	770.7	701.6	636.8	609.5
120°	813.7	744.6	681.3	660.2
122.5°	849.0	781.5	722.7	713.9
125°	902.0	832.9	783.0	794.5
127.5°	945.0	881.6	850.2	875.9
130°	971.1	915.4	896.2	932.7
132.5°	994.1	950.7	942.3	992.6
135°	1028.6	1003.7	1011.4	1080.5
137.5°	1069.7	1060.1	1085.8	1173.0
140°	1095.8	1101.6	1138.0	1235.9
142.5°	1131.1	1144.5	1191.8	1295.8
145°	1186.0	1214.8	1276.2	1379.8
147.5°	1248.2	1285.4	1361.4	1467.7
150°	1289.6	1337.6	1418.2	1519.9
152.5°	1337.2	1386.7	1467.3	1570.6
155°	1410.5	1466.2	1550.6	1638.9
157.5°	1485.4	1542.2	1622.8	1699.9
160°	1531.4	1592.8	1665.8	1736.8
162.5°	1583.6	1640.4	1704.2	1767.5
165°	1660.0	1706.1	1757.9	1811.6
167.5°	1724.1	1762.5	1803.2	1845.0
170°	1765.6	1796.3	1830.8	1863.4
172.5°	1800.9	1825.4	1850.8	1878.8
175°	1848.1	1861.5	1876.9	1894.1
177.5°	1884.6	1889.2	1893.8	1901.4
180°	1899.9	1899.9	1899.9	1899.9



TEST NUMBER: P1427958
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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	20.52	21.40	21.45	22.35	23.57	19.34	20.23	20.27	21.18	22.40
	3H	22.69	23.49	23.63	24.44	25.69	20.40	21.19	21.34	22.14	23.39
	4H	23.51	24.26	24.46	25.22	26.47	20.64	21.39	21.60	22.35	23.61
	6H	23.98	24.67	24.94	25.63	26.90	20.79	21.47	21.75	22.44	23.71
	8H	24.13	24.79	25.10	25.77	27.03	20.84	21.50	21.82	22.48	23.75
	12H	24.19	24.81	25.17	25.79	27.08	20.86	21.48	21.83	22.46	23.75
4H	2H	20.95	21.70	21.92	22.66	23.92	20.03	20.78	20.99	21.74	23.00
	3H	23.21	23.83	24.18	24.82	26.09	21.26	21.89	22.23	22.88	24.15
	4H	24.08	24.65	25.06	25.63	26.93	21.56	22.13	22.54	23.11	24.40
	6H	24.64	25.13	25.64	26.14	27.43	21.76	22.25	22.75	23.25	24.54
	8H	24.85	25.30	25.84	26.30	27.61	21.85	22.30	22.84	23.30	24.61
	12H	24.93	25.34	25.94	26.36	27.67	21.87	22.28	22.88	23.30	24.61
8H	4H	24.11	24.56	25.10	25.56	26.87	21.79	22.24	22.78	23.24	24.55
	6H	24.74	25.11	25.76	26.16	27.46	22.06	22.43	23.08	23.47	24.78
	8H	25.00	25.33	26.03	26.36	27.68	22.20	22.54	23.23	23.56	24.89
	12H	25.13	25.43	26.16	26.45	27.82	22.27	22.56	23.30	23.58	24.95
12H	4H	24.06	24.47	25.07	25.49	26.80	21.78	22.20	22.80	23.21	24.52
	6H	24.71	25.05	25.74	26.08	27.40	22.09	22.42	23.12	23.45	24.78
	8H	24.99	25.28	26.02	26.30	27.67	22.26	22.55	23.29	23.57	24.94