

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: P1427982

Luminaire Tested: SQ2W-PH1-K-150U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427982
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-150U-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 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

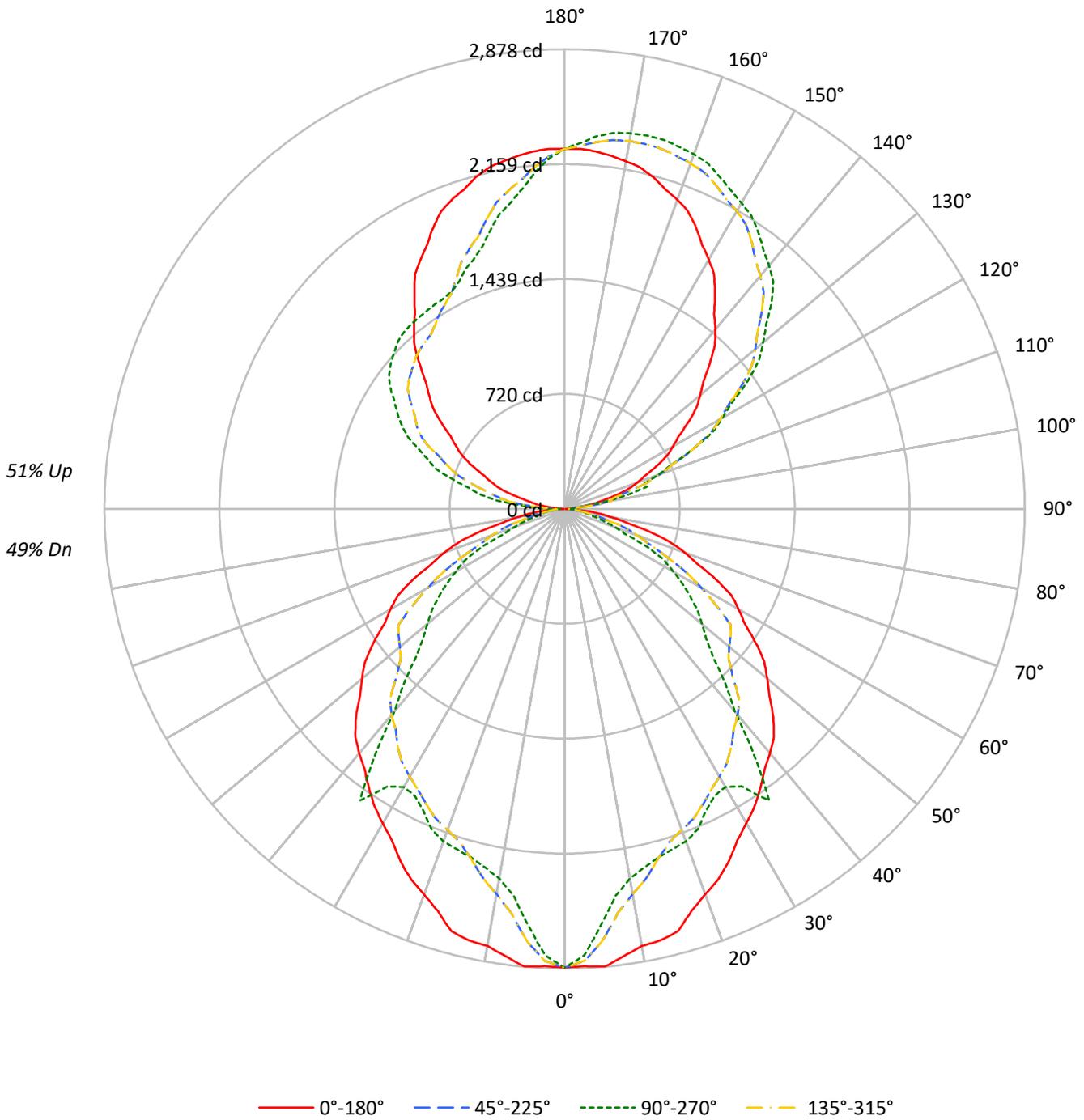
Lumens per Lamp: N/A
Luminaire Lumens: 12940.4 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 104.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	49
1	98	94	90	86	90	86	83	80	73	71	68	61	59	57	49	48	47	42
2	89	82	76	71	82	76	70	66	64	60	57	53	51	48	44	42	40	35
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	39	36	34	30
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	29	26
5	68	57	49	43	63	53	46	40	45	40	35	38	34	30	31	28	26	22
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	28	25	23	20
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	24	20	18	16
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	15	13

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	2.0
10°-20°	664.8	5.1
20°-30°	974.7	7.5
30°-40°	1180.2	9.1
40°-50°	1160.6	9.0
50°-60°	1009.5	7.8
60°-70°	702.1	5.4
70°-80°	333.0	2.6
80°-90°	82.7	0.6
90°-100°	179.4	1.4
100°-110°	523.0	4.0
110°-120°	853.6	6.6
120°-130°	1083.1	8.4
130°-140°	1158.9	9.0
140°-150°	1082.2	8.4
150°-160°	890.5	6.9
160°-170°	597.2	4.6
170°-180°	212.1	1.6
0°-30°	1892.3	14.6
0°-40°	3072.5	23.7
0°-60°	5242.6	40.5
0°-90°	6360.5	49.2
90°-120°	1556.0	12.0
90°-150°	4880.2	37.7
90°-180°	6580.0	50.8
0°-180°	12940.4	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°	7	50	7	98	7	8
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°	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°	21.0	21.9	23.2	22.6	21.0	20.0	20.0	20.5	20.9	20.9	20.9
90°	6.8	15.9	27.3	36.4	43.3	45.5	45.5	47.8	50.1	50.1	50.1
92.5°	25.0	39.6	40.1	40.1	48.7	52.8	56.5	56.9	59.2	59.2	59.2
95°	70.6	77.4	116.1	113.8	77.4	61.5	52.4	52.4	52.4	52.4	52.4
97.5°	134.8	144.8	151.1	202.6	214.0	206.7	168.4	141.6	126.6	119.7	126.6
100°	191.2	195.8	209.4	211.7	268.6	323.2	295.9	261.8	250.4	243.6	250.4
102.5°	247.7	250.4	271.3	280.9	294.1	325.1	419.8	409.3	401.5	400.2	401.5
105°	332.3	334.6	373.3	391.5	400.6	400.6	398.4	443.9	516.7	532.7	516.7
107.5°	422.9	433.4	478.9	527.7	538.1	540.9	529.0	522.2	519.5	521.3	519.5
110°	484.9	500.8	555.4	616.9	632.8	637.4	632.8	626.0	621.4	621.4	621.4



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CANDELA DISTRIBUTION (continued):

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

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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	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°	20.5	20.0	20.0	21.0	22.6	23.2	21.9	21.0	21.9	22.7	23.5
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: P1427982

CATALOG NUMBER: SQ2W-PH1-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: P1427982

CATALOG NUMBER: SQ2W-PH1-K-150U-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°	22.9	24.6	27.8	29.6	31.4	30.5	31.4	29.6	27.8	24.6	22.9
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: P1427982

CATALOG NUMBER: SQ2W-PH1-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: P1427982

CATALOG NUMBER: SQ2W-PH1-K-150U-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°	23.5	22.7	21.9	21.0
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



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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: P1427982
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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	20.13	20.97	21.09	21.95	23.24	18.95	19.80	19.92	20.78	22.06
	3H	22.30	23.06	23.28	24.05	25.35	20.00	20.76	20.98	21.75	23.06
	4H	23.11	23.83	24.10	24.82	26.14	20.25	20.96	21.24	21.96	23.27
	6H	23.58	24.24	24.58	25.24	26.56	20.39	21.05	21.39	22.05	23.37
	8H	23.73	24.36	24.74	25.37	26.70	20.45	21.07	21.45	22.09	23.41
	12H	23.79	24.39	24.80	25.39	26.74	20.46	21.05	21.47	22.06	23.41
4H	2H	20.56	21.28	21.56	22.27	23.58	19.64	20.35	20.63	21.35	22.66
	3H	22.81	23.41	23.82	24.43	25.76	20.87	21.46	21.87	22.48	23.81
	4H	23.68	24.23	24.70	25.24	26.59	21.16	21.70	22.17	22.72	24.07
	6H	24.24	24.71	25.27	25.75	27.10	21.35	21.82	22.38	22.86	24.21
	8H	24.44	24.88	25.47	25.91	27.27	21.44	21.88	22.47	22.91	24.27
	12H	24.53	24.92	25.57	25.97	27.34	21.47	21.86	22.51	22.91	24.28
8H	4H	23.70	24.14	24.73	25.17	26.53	21.38	21.82	22.41	22.85	24.21
	6H	24.33	24.69	25.38	25.77	27.13	21.65	22.01	22.70	23.08	24.45
	8H	24.60	24.91	25.65	25.97	27.35	21.80	22.12	22.86	23.17	24.55
	12H	24.73	25.01	25.79	26.06	27.48	21.86	22.14	22.92	23.19	24.62
12H	4H	23.66	24.05	24.70	25.10	26.46	21.38	21.77	22.42	22.82	24.19
	6H	24.31	24.63	25.37	25.68	27.06	21.69	22.00	22.74	23.06	24.44
	8H	24.58	24.86	25.64	25.91	27.33	21.85	22.13	22.91	23.18	24.60