

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: P1428150

Luminaire Tested: SQ2W-PP3-K-150U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428150  
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-125D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM 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**

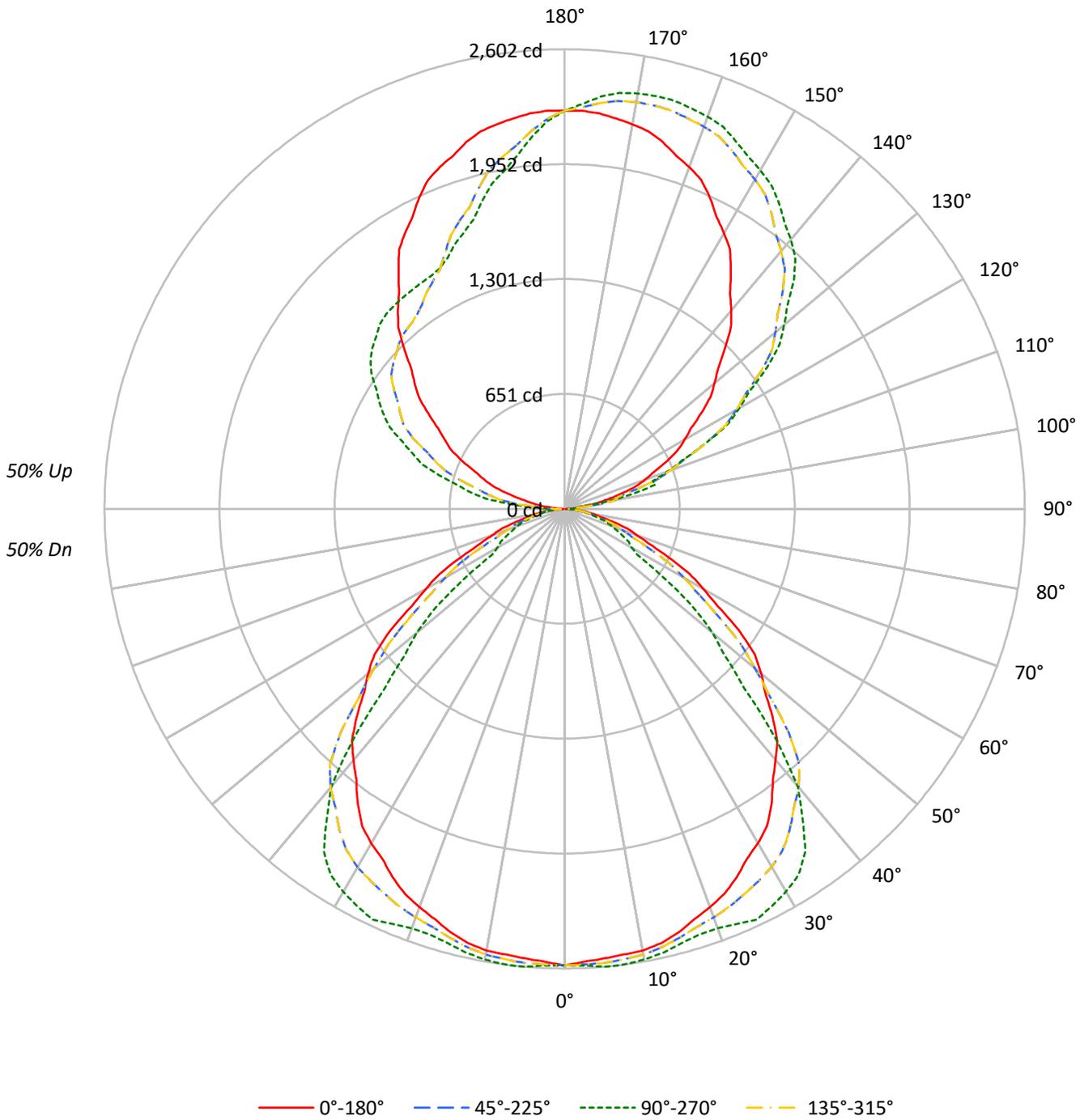
Lumens per Lamp: N/A  
Luminaire Lumens: 13100.7 lumens  
Efficiency: N/A  
Efficacy: 125.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 104.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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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CATALOG NUMBER: SQ2W-PP3-K-150U-125D-L835-UNV-STD-W-WM-4

### 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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	98	94	90	87	91	87	84	81	74	71	69	62	60	59	50	49	48	43				
2	90	83	77	72	83	77	72	67	65	61	58	55	52	50	45	43	41	37				
3	82	73	66	60	76	68	62	57	58	53	49	49	45	42	40	38	36	32				
4	75	65	57	51	69	60	54	48	52	47	42	44	40	37	36	33	31	28				
5	69	58	50	44	64	54	47	42	46	41	37	39	35	32	33	30	27	24				
6	64	52	44	39	59	49	42	36	42	36	32	36	31	28	30	27	24	21				
7	59	47	39	34	55	44	37	32	38	32	28	32	28	25	27	24	22	19				
8	55	43	35	30	51	40	33	28	35	29	25	30	25	22	25	22	19	17				
9	51	39	32	27	47	37	30	25	32	26	23	27	23	20	23	20	17	15				
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	41743	41743	41743	41743
5°	41416	42168	41416	42168
10°	41626	42477	41626	42477
15°	41525	42577	41525	42577
20°	41229	43437	41229	43437
25°	40995	45718	40995	45718
30°	40762	46673	40762	46673
35°	40185	46758	40185	46758
40°	39112	43203	39112	43203
45°	37942	32887	37942	32887
50°	36451	27391	36451	27391
55°	33928	19696	33928	19696
60°	29211	14121	29211	14121
65°	24641	13887	24641	13887
70°	20516	13289	20516	13289
75°	17392	12445	17392	12445
80°	14737	11185	14737	11185
85°	11652	6076	11652	6076

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 41506 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.2	1.9
10°-20°	712.5	5.4
20°-30°	1116.2	8.5
30°-40°	1377.0	10.5
40°-50°	1296.3	9.9
50°-60°	917.9	7.0
60°-70°	523.0	4.0
70°-80°	258.9	2.0
80°-90°	72.6	0.6
90°-100°	179.4	1.4
100°-110°	523.0	4.0
110°-120°	853.6	6.5
120°-130°	1083.1	8.3
130°-140°	1158.9	8.8
140°-150°	1082.2	8.3
150°-160°	890.5	6.8
160°-170°	597.2	4.6
170°-180°	212.1	1.6
0°-30°	2074.9	15.8
0°-40°	3451.9	26.3
0°-60°	5666.2	43.3
0°-90°	6520.7	49.8
90°-120°	1556.0	11.9
90°-150°	4880.2	37.3
90°-180°	6580.0	50.2
0°-180°	13100.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2585	2585	2585	2585	2585	
5°	2555	2602	2555	2602	2555	243
15°	2484	2547	2484	2547	2484	700
25°	2301	2566	2301	2566	2301	1060
35°	2039	2372	2039	2372	2039	1272
45°	1662	1440	1662	1440	1662	1279
55°	1205	700	1205	700	1205	1063
65°	645	364	645	364	645	648
75°	279	200	279	200	279	302
85°	63	33	63	33	63	74
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°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2565.8	2582.3	2598.8	2594.9	2584.2	2579.9	2581.8	2583.7	2585.7	2587.6	2585.7
5°	2555.4	2576.0	2596.7	2593.6	2582.7	2578.5	2580.9	2584.8	2593.3	2601.8	2593.3
7.5°	2545.5	2566.7	2587.8	2585.1	2574.4	2571.1	2575.2	2581.0	2591.4	2601.8	2591.4
10°	2539.0	2557.2	2575.4	2572.7	2563.0	2561.2	2567.2	2573.9	2582.4	2590.9	2582.4
12.5°	2519.3	2536.6	2553.8	2551.6	2542.8	2542.4	2550.5	2558.4	2565.9	2573.4	2565.9
15°	2484.3	2500.1	2515.9	2516.2	2511.4	2514.4	2525.3	2535.0	2541.1	2547.2	2541.1
17.5°	2436.8	2456.0	2475.2	2479.6	2479.1	2486.6	2502.2	2515.4	2521.7	2528.1	2521.7
20°	2399.6	2422.7	2445.8	2453.4	2455.8	2466.7	2486.1	2503.8	2515.9	2528.1	2515.9
22.5°	2360.2	2387.2	2414.2	2424.2	2428.6	2445.3	2474.5	2501.6	2522.5	2543.4	2522.5
25°	2301.2	2327.9	2354.7	2374.1	2391.1	2420.9	2463.4	2503.2	2534.7	2566.3	2534.7
27.5°	2232.3	2258.8	2285.3	2318.7	2354.4	2396.2	2444.1	2486.2	2511.2	2536.3	2511.2
30°	2186.4	2211.9	2237.4	2275.7	2318.2	2364.4	2414.2	2457.3	2480.4	2503.5	2480.4
32.5°	2129.6	2156.1	2182.5	2223.2	2268.7	2318.2	2371.9	2417.5	2438.6	2459.7	2438.6
35°	2038.8	2064.3	2089.9	2137.2	2191.9	2247.2	2303.0	2348.0	2360.1	2372.3	2360.1
37.5°	1934.4	1963.3	1992.3	2045.4	2106.6	2152.9	2184.2	2207.9	2208.7	2209.4	2208.7
40°	1855.7	1893.4	1931.0	1984.2	2042.5	2074.7	2080.7	2081.4	2065.6	2049.8	2065.6
42.5°	1779.2	1827.5	1875.9	1918.6	1959.4	1967.8	1943.7	1908.1	1837.9	1767.7	1837.9
45°	1661.7	1718.8	1775.9	1802.0	1817.8	1764.3	1641.6	1537.5	1488.9	1440.3	1488.9
47.5°	1536.5	1592.9	1649.2	1642.0	1613.6	1532.7	1399.3	1290.9	1257.4	1223.9	1257.4
50°	1451.2	1504.7	1558.1	1519.6	1450.3	1359.2	1246.3	1153.6	1122.1	1090.5	1122.1
52.5°	1355.0	1402.7	1450.3	1392.0	1298.5	1202.5	1104.1	1018.3	970.2	922.1	970.2
55°	1205.3	1238.1	1270.9	1207.1	1111.1	1005.5	890.1	792.0	745.8	699.7	745.8
57.5°	1024.9	1048.0	1071.0	1020.9	946.3	841.2	705.7	591.1	539.3	487.6	539.3
60°	904.6	922.9	941.1	895.5	828.7	728.5	594.9	488.3	462.8	437.3	462.8
62.5°	795.3	811.6	827.9	780.4	711.6	622.1	511.8	426.8	417.8	408.9	417.8
65°	645.0	660.8	676.6	626.8	555.1	485.3	417.2	365.9	364.7	363.5	364.7
67.5°	513.3	530.5	547.8	500.9	432.6	381.0	346.0	319.4	317.9	316.5	317.9
70°	434.6	452.8	471.0	427.3	362.9	321.0	301.5	286.4	283.9	281.5	283.9
72.5°	369.0	386.2	403.5	365.3	308.7	274.1	261.5	251.6	250.2	248.7	250.2
75°	278.8	292.1	305.5	277.9	236.6	212.9	206.8	201.9	200.7	199.5	200.7
77.5°	202.2	210.7	219.2	201.2	174.2	159.1	156.0	153.3	152.1	150.9	152.1
80°	158.5	162.2	165.8	153.0	134.8	125.1	123.9	122.7	121.5	120.3	121.5
82.5°	119.2	117.9	116.7	109.3	99.8	94.5	93.3	91.8	89.6	87.5	89.6
85°	62.9	60.4	58.0	55.6	53.1	49.5	44.6	40.1	36.4	32.8	36.4
87.5°	21.0	22.9	25.1	23.3	19.8	17.4	16.4	16.1	16.6	16.6	16.6
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°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2583.7	2581.8	2579.9	2584.2	2594.9	2598.8	2582.3	2565.8	2582.3	2598.8	2594.9
5°	2584.8	2580.9	2578.5	2582.7	2593.6	2596.7	2576.0	2555.4	2576.0	2596.7	2593.6
7.5°	2581.0	2575.2	2571.1	2574.4	2585.1	2587.8	2566.7	2545.5	2566.7	2587.8	2585.1
10°	2573.9	2567.2	2561.2	2563.0	2572.7	2575.4	2557.2	2539.0	2557.2	2575.4	2572.7
12.5°	2558.4	2550.5	2542.4	2542.8	2551.6	2553.8	2536.6	2519.3	2536.6	2553.8	2551.6
15°	2535.0	2525.3	2514.4	2511.4	2516.2	2515.9	2500.1	2484.3	2500.1	2515.9	2516.2
17.5°	2515.4	2502.2	2486.6	2479.1	2479.6	2475.2	2456.0	2436.8	2456.0	2475.2	2479.6
20°	2503.8	2486.1	2466.7	2455.8	2453.4	2445.8	2422.7	2399.6	2422.7	2445.8	2453.4
22.5°	2501.6	2474.5	2445.3	2428.6	2424.2	2414.2	2387.2	2360.2	2387.2	2414.2	2424.2
25°	2503.2	2463.4	2420.9	2391.1	2374.1	2354.7	2327.9	2301.2	2327.9	2354.7	2374.1
27.5°	2486.2	2444.1	2396.2	2354.4	2318.7	2285.3	2258.8	2232.3	2258.8	2285.3	2318.7
30°	2457.3	2414.2	2364.4	2318.2	2275.7	2237.4	2211.9	2186.4	2211.9	2237.4	2275.7
32.5°	2417.5	2371.9	2318.2	2268.7	2223.2	2182.5	2156.1	2129.6	2156.1	2182.5	2223.2
35°	2348.0	2303.0	2247.2	2191.9	2137.2	2089.9	2064.3	2038.8	2064.3	2089.9	2137.2
37.5°	2207.9	2184.2	2152.9	2106.6	2045.4	1992.3	1963.3	1934.4	1963.3	1992.3	2045.4
40°	2081.4	2080.7	2074.7	2042.5	1984.2	1931.0	1893.4	1855.7	1893.4	1931.0	1984.2
42.5°	1908.1	1943.7	1967.8	1959.4	1918.6	1875.9	1827.5	1779.2	1827.5	1875.9	1918.6
45°	1537.5	1641.6	1764.3	1817.8	1802.0	1775.9	1718.8	1661.7	1718.8	1775.9	1802.0
47.5°	1290.9	1399.3	1532.7	1613.6	1642.0	1649.2	1592.9	1536.5	1592.9	1649.2	1642.0
50°	1153.6	1246.3	1359.2	1450.3	1519.6	1558.1	1504.7	1451.2	1504.7	1558.1	1519.6
52.5°	1018.3	1104.1	1202.5	1298.5	1392.0	1450.3	1402.7	1355.0	1402.7	1450.3	1392.0
55°	792.0	890.1	1005.5	1111.1	1207.1	1270.9	1238.1	1205.3	1238.1	1270.9	1207.1
57.5°	591.1	705.7	841.2	946.3	1020.9	1071.0	1048.0	1024.9	1048.0	1071.0	1020.9
60°	488.3	594.9	728.5	828.7	895.5	941.1	922.9	904.6	922.9	941.1	895.5
62.5°	426.8	511.8	622.1	711.6	780.4	827.9	811.6	795.3	811.6	827.9	780.4
65°	365.9	417.2	485.3	555.1	626.8	676.6	660.8	645.0	660.8	676.6	626.8
67.5°	319.4	346.0	381.0	432.6	500.9	547.8	530.5	513.3	530.5	547.8	500.9
70°	286.4	301.5	321.0	362.9	427.3	471.0	452.8	434.6	452.8	471.0	427.3
72.5°	251.6	261.5	274.1	308.7	365.3	403.5	386.2	369.0	386.2	403.5	365.3
75°	201.9	206.8	212.9	236.6	277.9	305.5	292.1	278.8	292.1	305.5	277.9
77.5°	153.3	156.0	159.1	174.2	201.2	219.2	210.7	202.2	210.7	219.2	201.2
80°	122.7	123.9	125.1	134.8	153.0	165.8	162.2	158.5	162.2	165.8	153.0
82.5°	91.8	93.3	94.5	99.8	109.3	116.7	117.9	119.2	117.9	116.7	109.3
85°	40.1	44.6	49.5	53.1	55.6	58.0	60.4	62.9	60.4	58.0	55.6
87.5°	16.1	16.4	17.4	19.8	23.3	25.1	22.9	21.0	22.9	24.7	24.2
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: P1428150

CATALOG NUMBER: SQ2W-PP3-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: P1428150

CATALOG NUMBER: SQ2W-PP3-K-150U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2584.2	2579.9	2581.8	2583.7	2585.7	2587.6	2585.7	2583.7	2581.8	2579.9	2584.2
5°	2582.7	2578.5	2580.9	2584.8	2593.3	2601.8	2593.3	2584.8	2580.9	2578.5	2582.7
7.5°	2574.4	2571.1	2575.2	2581.0	2591.4	2601.8	2591.4	2581.0	2575.2	2571.1	2574.4
10°	2563.0	2561.2	2567.2	2573.9	2582.4	2590.9	2582.4	2573.9	2567.2	2561.2	2563.0
12.5°	2542.8	2542.4	2550.5	2558.4	2565.9	2573.4	2565.9	2558.4	2550.5	2542.4	2542.8
15°	2511.4	2514.4	2525.3	2535.0	2541.1	2547.2	2541.1	2535.0	2525.3	2514.4	2511.4
17.5°	2479.1	2486.6	2502.2	2515.4	2521.7	2528.1	2521.7	2515.4	2502.2	2486.6	2479.1
20°	2455.8	2466.7	2486.1	2503.8	2515.9	2528.1	2515.9	2503.8	2486.1	2466.7	2455.8
22.5°	2428.6	2445.3	2474.5	2501.6	2522.5	2543.4	2522.5	2501.6	2474.5	2445.3	2428.6
25°	2391.1	2420.9	2463.4	2503.2	2534.7	2566.3	2534.7	2503.2	2463.4	2420.9	2391.1
27.5°	2354.4	2396.2	2444.1	2486.2	2511.2	2536.3	2511.2	2486.2	2444.1	2396.2	2354.4
30°	2318.2	2364.4	2414.2	2457.3	2480.4	2503.5	2480.4	2457.3	2414.2	2364.4	2318.2
32.5°	2268.7	2318.2	2371.9	2417.5	2438.6	2459.7	2438.6	2417.5	2371.9	2318.2	2268.7
35°	2191.9	2247.2	2303.0	2348.0	2360.1	2372.3	2360.1	2348.0	2303.0	2247.2	2191.9
37.5°	2106.6	2152.9	2184.2	2207.9	2208.7	2209.4	2208.7	2207.9	2184.2	2152.9	2106.6
40°	2042.5	2074.7	2080.7	2081.4	2065.6	2049.8	2065.6	2081.4	2080.7	2074.7	2042.5
42.5°	1959.4	1967.8	1943.7	1908.1	1837.9	1767.7	1837.9	1908.1	1943.7	1967.8	1959.4
45°	1817.8	1764.3	1641.6	1537.5	1488.9	1440.3	1488.9	1537.5	1641.6	1764.3	1817.8
47.5°	1613.6	1532.7	1399.3	1290.9	1257.4	1223.9	1257.4	1290.9	1399.3	1532.7	1613.6
50°	1450.3	1359.2	1246.3	1153.6	1122.1	1090.5	1122.1	1153.6	1246.3	1359.2	1450.3
52.5°	1298.5	1202.5	1104.1	1018.3	970.2	922.1	970.2	1018.3	1104.1	1202.5	1298.5
55°	1111.1	1005.5	890.1	792.0	745.8	699.7	745.8	890.1	1005.5	1111.1	1111.1
57.5°	946.3	841.2	705.7	591.1	539.3	487.6	539.3	705.7	841.2	946.3	946.3
60°	828.7	728.5	594.9	488.3	462.8	437.3	462.8	594.9	728.5	828.7	828.7
62.5°	711.6	622.1	511.8	426.8	417.8	408.9	417.8	511.8	622.1	711.6	711.6
65°	555.1	485.3	417.2	365.9	364.7	363.5	364.7	417.2	485.3	555.1	555.1
67.5°	432.6	381.0	346.0	319.4	317.9	316.5	317.9	346.0	381.0	432.6	432.6
70°	362.9	321.0	301.5	286.4	283.9	281.5	283.9	301.5	321.0	362.9	362.9
72.5°	308.7	274.1	261.5	251.6	250.2	248.7	250.2	261.5	274.1	308.7	308.7
75°	236.6	212.9	206.8	201.9	200.7	199.5	200.7	206.8	212.9	236.6	236.6
77.5°	174.2	159.1	156.0	153.3	152.1	150.9	152.1	156.0	159.1	174.2	174.2
80°	134.8	125.1	123.9	122.7	121.5	120.3	121.5	123.9	125.1	134.8	134.8
82.5°	99.8	94.5	93.3	91.8	89.6	87.5	89.6	93.3	94.5	99.8	99.8
85°	53.1	49.5	44.6	40.1	36.4	32.8	36.4	44.6	49.5	53.1	53.1
87.5°	21.6	21.9	24.1	25.2	27.0	26.1	27.0	24.1	21.9	21.6	21.6
90°	52.4	68.3	84.2	93.3	102.4	97.9	102.4	84.2	68.3	52.4	52.4
92.5°	105.2	132.0	151.6	168.0	175.3	174.4	175.3	151.6	132.0	105.2	105.2
95°	211.7	243.6	275.4	298.2	311.9	307.3	311.9	275.4	243.6	211.7	211.7
97.5°	326.4	369.2	404.7	426.1	439.8	448.9	439.8	404.7	369.2	326.4	326.4
100°	402.9	443.9	484.9	509.9	532.7	541.8	532.7	484.9	443.9	402.9	402.9
102.5°	464.8	518.5	563.2	590.0	609.1	618.2	609.1	563.2	518.5	464.8	464.8
105°	566.8	623.7	671.5	705.7	726.1	733.0	726.1	671.5	623.7	566.8	566.8
107.5°	668.8	727.5	771.7	809.5	834.5	849.1	834.5	771.7	727.5	668.8	668.8
110°	748.9	796.7	844.5	878.7	903.7	912.8	903.7	844.5	796.7	748.9	748.9



TEST NUMBER: P1428150

CATALOG NUMBER: SQ2W-PP3-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: P1428150

CATALOG NUMBER: SQ2W-PP3-K-150U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2585.4	2585.4	2585.4	2585.4
2.5°	2594.9	2598.8	2582.3	2565.8
5°	2593.6	2596.7	2576.0	2555.4
7.5°	2585.1	2587.8	2566.7	2545.5
10°	2572.7	2575.4	2557.2	2539.0
12.5°	2551.6	2553.8	2536.6	2519.3
15°	2516.2	2515.9	2500.1	2484.3
17.5°	2479.6	2475.2	2456.0	2436.8
20°	2453.4	2445.8	2422.7	2399.6
22.5°	2424.2	2414.2	2387.2	2360.2
25°	2374.1	2354.7	2327.9	2301.2
27.5°	2318.7	2285.3	2258.8	2232.3
30°	2275.7	2237.4	2211.9	2186.4
32.5°	2223.2	2182.5	2156.1	2129.6
35°	2137.2	2089.9	2064.3	2038.8
37.5°	2045.4	1992.3	1963.3	1934.4
40°	1984.2	1931.0	1893.4	1855.7
42.5°	1918.6	1875.9	1827.5	1779.2
45°	1802.0	1775.9	1718.8	1661.7
47.5°	1642.0	1649.2	1592.9	1536.5
50°	1519.6	1558.1	1504.7	1451.2
52.5°	1392.0	1450.3	1402.7	1355.0
55°	1207.1	1270.9	1238.1	1205.3
57.5°	1020.9	1071.0	1048.0	1024.9
60°	895.5	941.1	922.9	904.6
62.5°	780.4	827.9	811.6	795.3
65°	626.8	676.6	660.8	645.0
67.5°	500.9	547.8	530.5	513.3
70°	427.3	471.0	452.8	434.6
72.5°	365.3	403.5	386.2	369.0
75°	277.9	305.5	292.1	278.8
77.5°	201.2	219.2	210.7	202.2
80°	153.0	165.8	162.2	158.5
82.5°	109.3	116.7	117.9	119.2
85°	55.6	58.0	60.4	62.9
87.5°	24.2	24.7	22.9	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



TEST NUMBER: P1428150

CATALOG NUMBER: SQ2W-PP3-K-150U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	744.4	672.0	592.8	545.0
115°	830.9	751.2	678.3	637.4
117.5°	914.2	832.2	755.3	723.0
120°	965.2	883.2	808.1	783.1
122.5°	1007.0	926.9	857.3	846.8
125°	1069.9	987.9	928.7	942.4
127.5°	1120.9	1045.7	1008.4	1038.9
130°	1151.8	1085.8	1063.0	1106.3
132.5°	1179.1	1127.7	1117.7	1177.3
135°	1220.1	1190.5	1199.6	1281.6
137.5°	1268.8	1257.4	1287.9	1391.3
140°	1299.8	1306.6	1349.9	1466.0
142.5°	1341.7	1357.6	1413.6	1537.0
145°	1406.8	1440.9	1513.8	1636.7
147.5°	1480.5	1524.7	1614.8	1740.9
150°	1529.7	1586.6	1682.2	1802.8
152.5°	1586.1	1644.9	1740.5	1862.9
155°	1673.1	1739.1	1839.3	1944.0
157.5°	1761.9	1829.3	1924.9	2016.4
160°	1816.5	1889.3	1975.8	2060.1
162.5°	1878.4	1945.8	2021.4	2096.5
165°	1969.0	2023.7	2085.1	2148.8
167.5°	2045.0	2090.6	2138.8	2188.5
170°	2094.2	2130.6	2171.6	2210.3
172.5°	2136.1	2165.2	2195.3	2228.5
175°	2192.1	2208.0	2226.2	2246.7
177.5°	2235.3	2240.8	2246.3	2255.4
180°	2253.6	2253.6	2253.6	2253.6



TEST NUMBER: P1428150  
 CATALOG NUMBER: SQ2W-PP3-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	20.40	21.22	21.36	22.20	23.48	16.17	17.00	17.13	17.97	19.25
	3H	21.45	22.19	22.43	23.18	24.48	17.47	18.21	18.45	19.20	20.50
	4H	21.82	22.52	22.81	23.51	24.82	18.03	18.73	19.02	19.72	21.03
	6H	22.01	22.66	23.01	23.65	24.97	18.39	19.04	19.39	20.03	21.35
	8H	22.07	22.69	23.08	23.70	25.01	18.52	19.13	19.53	20.14	21.46
	12H	22.09	22.68	23.11	23.68	25.02	18.55	19.14	19.57	20.14	21.48
4H	2H	20.51	21.21	21.51	22.20	23.51	17.07	17.77	18.07	18.76	20.07
	3H	21.80	22.38	22.81	23.40	24.72	18.49	19.07	19.50	20.09	21.41
	4H	22.31	22.84	23.32	23.85	25.19	19.11	19.64	20.13	20.65	22.00
	6H	22.62	23.08	23.65	24.11	25.45	19.56	20.01	20.58	21.05	22.39
	8H	22.73	23.16	23.76	24.18	25.54	19.73	20.15	20.75	21.18	22.53
	12H	22.77	23.16	23.82	24.20	25.56	19.77	20.16	20.82	21.20	22.56
8H	4H	22.33	22.75	23.35	23.78	25.13	19.42	19.84	20.44	20.87	22.23
	6H	22.74	23.09	23.79	24.16	25.51	19.98	20.33	21.03	21.40	22.75
	8H	22.92	23.23	23.97	24.28	25.65	20.23	20.53	21.28	21.59	22.96
	12H	23.01	23.29	24.07	24.33	25.75	20.32	20.60	21.38	21.64	23.06
12H	4H	22.28	22.67	23.33	23.71	25.07	19.43	19.81	20.47	20.85	22.22
	6H	22.73	23.04	23.79	24.09	25.47	20.04	20.35	21.10	21.41	22.78
	8H	22.92	23.20	23.98	24.24	25.66	20.32	20.59	21.38	21.64	23.05