

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: P1428127

Luminaire Tested: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428127
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-125U-125D-L840-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 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

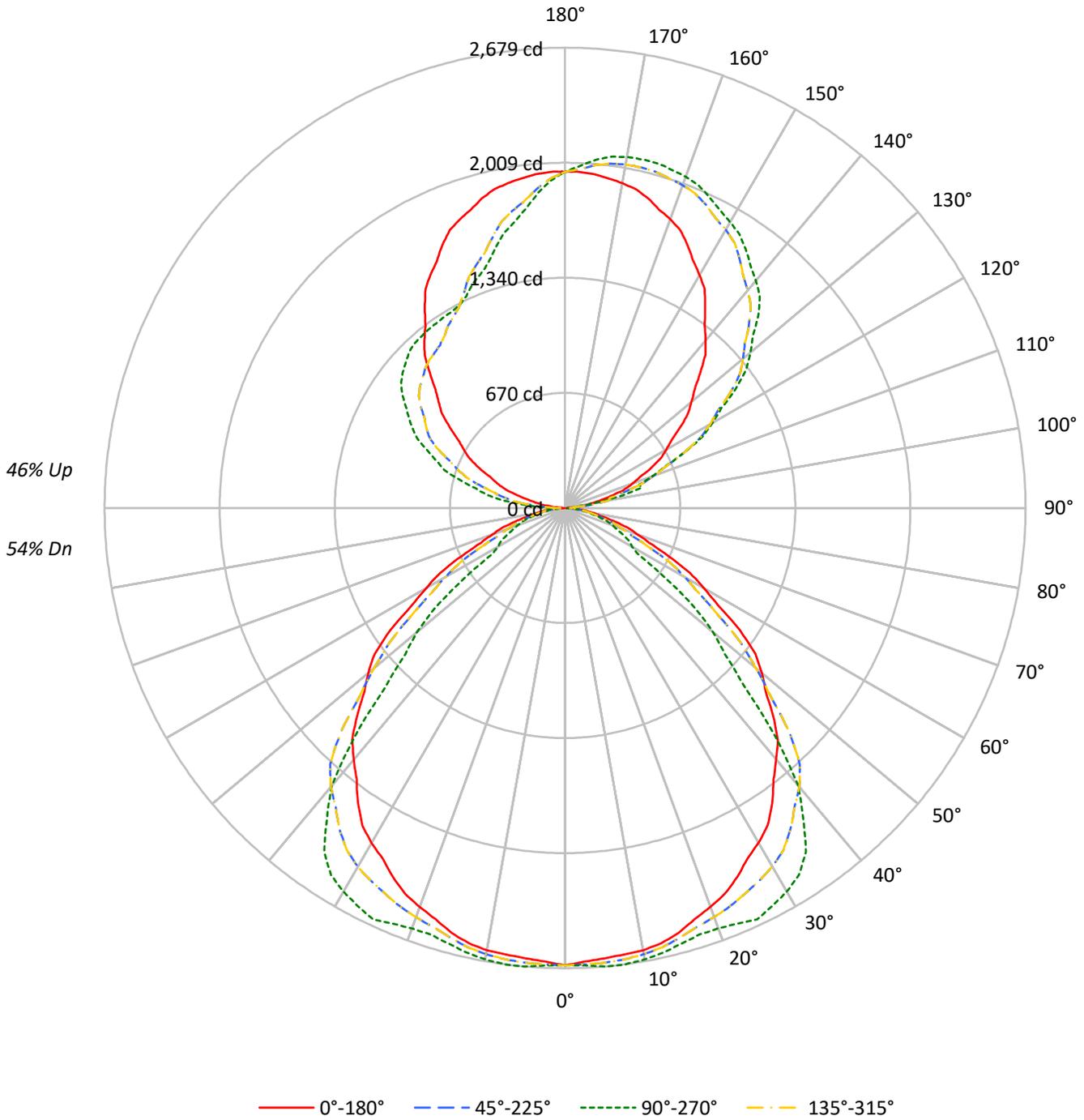
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12426.3 lumens
Efficiency: N/A
Efficacy: 133.3 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): 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

TEST NUMBER: P1428127
CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428127

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	91	88	92	88	85	82	76	74	72	64	63	61	54	53	52	47
2	91	84	78	73	84	78	73	69	67	63	60	57	54	52	48	46	44	40
3	83	74	67	61	77	69	63	58	60	55	51	51	47	45	43	40	38	34
4	76	66	58	52	71	61	55	49	53	48	44	46	42	39	39	36	33	30
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26
6	65	53	45	39	60	50	42	37	43	38	33	37	33	30	32	28	26	23
7	60	48	40	34	56	45	38	33	39	34	30	34	30	26	29	26	23	21
8	56	43	36	31	52	41	34	29	36	30	26	31	27	23	27	23	21	18
9	52	40	32	27	48	37	31	26	33	27	24	29	24	21	25	21	19	17
10	48	36	29	24	45	34	28	23	30	25	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	42988	42988	42988	42988
5°	42651	43426	42651	43426
10°	42867	43744	42867	43744
15°	42764	43845	42764	43845
20°	42458	44731	42458	44731
25°	42217	47081	42217	47081
30°	41977	48064	41977	48064
35°	41383	48152	41383	48152
40°	40279	44490	40279	44490
45°	39072	33866	39072	33866
50°	37539	28208	37539	28208
55°	34938	20281	34938	20281
60°	30082	14541	30082	14541
65°	25375	14300	25375	14300
70°	21125	13685	21125	13685
75°	17910	12819	17910	12819
80°	15174	11511	15174	11511
85°	11986	6261	11986	6261

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 42744 cd/sqm



TEST NUMBER: P1428127

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.5	2.0
10°-20°	733.7	5.9
20°-30°	1149.5	9.3
30°-40°	1418.0	11.4
40°-50°	1335.0	10.7
50°-60°	945.3	7.6
60°-70°	538.6	4.3
70°-80°	266.6	2.1
80°-90°	73.3	0.6
90°-100°	155.7	1.3
100°-110°	454.1	3.7
110°-120°	741.1	6.0
120°-130°	940.4	7.6
130°-140°	1006.2	8.1
140°-150°	939.6	7.6
150°-160°	773.1	6.2
160°-170°	518.5	4.2
170°-180°	184.1	1.5
0°-30°	2136.8	17.2
0°-40°	3554.8	28.6
0°-60°	5835.1	47.0
0°-90°	6713.6	54.0
90°-120°	1350.9	10.9
90°-150°	4237.0	34.1
90°-180°	5713.0	46.0
0°-180°	12426.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2662	2662	2662	2662	2662	
5°	2632	2679	2632	2679	2632	251
15°	2558	2623	2558	2623	2558	721
25°	2370	2643	2370	2643	2370	1092
35°	2100	2443	2100	2443	2100	1309
45°	1711	1483	1711	1483	1711	1317
55°	1241	720	1241	720	1241	1095
65°	664	374	664	374	664	667
75°	287	206	287	206	287	311
85°	65	34	65	34	65	76
90°	6	44	6	85	6	8
95°	61	46	61	267	61	74
105°	288	462	288	636	288	307
115°	553	767	553	945	553	545
125°	818	1215	818	1158	818	732
135°	1113	1591	1113	1283	1113	860
145°	1421	1834	1421	1310	1421	889
155°	1688	1992	1688	1360	1688	776
165°	1866	2077	1866	1565	1866	525
175°	1951	2034	1951	1836	1951	185
180°	1956	1956	1956	1956	1956	



TEST NUMBER: P1428127

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2642.3	2659.3	2676.3	2672.3	2661.3	2656.8	2658.8	2660.8	2662.8	2664.8	2662.8
5°	2631.6	2652.8	2674.1	2671.0	2659.7	2655.3	2657.8	2661.9	2670.7	2679.4	2670.7
7.5°	2621.4	2643.2	2665.0	2662.1	2651.1	2647.8	2652.0	2657.9	2668.7	2679.4	2668.7
10°	2614.7	2633.4	2652.2	2649.4	2639.4	2637.5	2643.8	2650.6	2659.4	2668.2	2659.4
12.5°	2594.4	2612.2	2629.9	2627.6	2618.6	2618.2	2626.5	2634.6	2642.4	2650.1	2642.4
15°	2558.4	2574.6	2590.9	2591.2	2586.2	2589.3	2600.6	2610.6	2616.9	2623.1	2616.9
17.5°	2509.4	2529.2	2548.9	2553.5	2553.0	2560.8	2576.8	2590.4	2596.9	2603.4	2596.9
20°	2471.1	2494.9	2518.7	2526.5	2529.0	2540.2	2560.3	2578.4	2590.9	2603.4	2590.9
22.5°	2430.6	2458.4	2486.1	2496.5	2501.0	2518.2	2548.3	2576.2	2597.7	2619.2	2597.7
25°	2369.8	2397.3	2424.9	2444.9	2462.4	2493.0	2536.8	2577.8	2610.3	2642.8	2610.3
27.5°	2298.9	2326.2	2353.4	2387.8	2424.6	2467.6	2516.9	2560.3	2586.1	2611.9	2586.1
30°	2251.6	2277.9	2304.1	2343.5	2387.3	2434.9	2486.1	2530.6	2554.3	2578.1	2554.3
32.5°	2193.1	2220.3	2247.6	2289.5	2336.3	2387.3	2442.6	2489.5	2511.3	2533.1	2511.3
35°	2099.6	2125.9	2152.2	2200.9	2257.2	2314.2	2371.7	2418.0	2430.5	2443.0	2430.5
37.5°	1992.1	2021.9	2051.7	2106.4	2169.4	2217.1	2249.4	2273.7	2274.5	2275.2	2274.5
40°	1911.1	1949.8	1988.6	2043.3	2103.4	2136.5	2142.8	2143.4	2127.1	2110.9	2127.1
42.5°	1832.2	1882.0	1931.8	1975.8	2017.8	2026.4	2001.7	1965.0	1892.7	1820.4	1892.7
45°	1711.2	1770.0	1828.8	1855.7	1872.0	1816.9	1690.6	1583.3	1533.3	1483.2	1533.3
47.5°	1582.3	1640.4	1698.4	1691.0	1661.7	1578.4	1441.0	1329.4	1294.9	1260.3	1294.9
50°	1494.5	1549.5	1604.6	1564.9	1493.6	1399.7	1283.4	1188.0	1155.5	1123.0	1155.5
52.5°	1395.4	1444.5	1493.5	1433.5	1337.2	1238.4	1137.1	1048.7	999.2	949.6	999.2
55°	1241.2	1275.0	1308.7	1243.1	1144.3	1035.4	916.6	815.6	768.0	720.5	768.0
57.5°	1055.4	1079.2	1103.0	1051.3	974.5	866.3	726.7	608.7	555.4	502.1	555.4
60°	931.6	950.4	969.1	922.2	853.4	750.2	612.6	502.9	476.6	450.3	476.6
62.5°	819.0	835.8	852.5	803.6	732.8	640.6	527.1	439.6	430.3	421.1	430.3
65°	664.2	680.5	696.7	645.5	571.7	499.7	429.7	376.8	375.6	374.3	375.6
67.5°	528.6	546.3	564.1	515.8	445.5	392.3	356.3	328.9	327.4	325.9	327.4
70°	447.5	466.3	485.0	440.0	373.7	330.5	310.5	294.9	292.4	289.9	292.4
72.5°	380.0	397.7	415.5	376.2	317.9	282.3	269.3	259.1	257.6	256.1	257.6
75°	287.1	300.8	314.6	286.1	243.6	219.2	213.0	208.0	206.7	205.5	206.7
77.5°	208.3	217.0	225.8	207.1	179.4	163.9	160.6	157.9	156.6	155.4	156.6
80°	163.2	167.0	170.7	157.6	138.8	128.8	127.6	126.3	125.1	123.8	125.1
82.5°	122.7	121.5	120.2	112.6	102.8	97.3	96.1	94.6	92.3	90.1	92.3
85°	64.7	62.2	59.7	57.2	54.7	51.0	46.0	41.3	37.5	33.8	37.5
87.5°	21.5	23.0	25.0	22.8	19.0	16.4	15.4	15.1	15.5	15.5	15.5
90°	5.9	13.8	23.7	31.6	37.5	39.5	39.5	41.5	43.5	43.5	43.5
92.5°	21.7	34.4	34.8	34.8	42.3	45.9	49.0	49.4	51.4	51.4	51.4
95°	61.3	67.2	100.8	98.8	67.2	53.4	45.5	45.5	45.5	45.5	45.5
97.5°	117.0	125.7	131.2	175.9	185.8	179.4	146.2	122.9	109.9	104.0	109.9
100°	166.0	170.0	181.8	183.8	233.2	280.6	256.9	227.3	217.4	211.5	217.4
102.5°	215.0	217.4	235.6	243.9	255.3	282.2	364.4	355.3	348.6	347.4	348.6
105°	288.5	290.5	324.1	339.9	347.8	347.8	345.9	385.4	448.6	462.5	448.6
107.5°	367.2	376.3	415.8	458.1	467.2	469.6	459.3	453.4	451.0	452.6	451.0
110°	421.0	434.8	482.2	535.6	549.4	553.4	549.4	543.5	539.5	539.5	539.5



TEST NUMBER: P1428127

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	473.1	493.3	547.0	608.3	631.6	643.5	634.8	630.4	626.5	629.7	626.5
115°	553.4	583.0	654.2	717.4	764.8	770.8	768.8	768.8	766.8	766.8	766.8
117.5°	627.7	675.1	754.9	828.5	883.4	899.2	907.1	904.8	902.4	906.3	902.4
120°	679.8	735.2	826.1	909.1	962.5	986.2	994.1	990.1	994.1	990.1	994.1
122.5°	735.2	803.2	892.5	978.7	1041.5	1068.4	1077.9	1078.7	1079.5	1077.1	1079.5
125°	818.2	901.2	1005.9	1094.9	1160.1	1191.7	1199.6	1201.6	1205.5	1215.4	1205.5
127.5°	902.0	996.1	1111.1	1196.9	1263.7	1302.0	1314.2	1318.6	1326.9	1331.2	1326.9
130°	960.5	1067.2	1183.8	1264.8	1330.1	1371.6	1393.3	1399.2	1409.1	1407.1	1409.1
132.5°	1022.1	1133.6	1251.8	1336.0	1396.5	1441.1	1459.7	1476.7	1480.3	1483.0	1480.3
135°	1112.7	1233.2	1351.8	1434.8	1492.1	1535.6	1559.3	1575.1	1585.0	1590.9	1585.0
137.5°	1207.9	1335.2	1449.0	1522.9	1580.7	1618.2	1645.1	1661.7	1672.0	1676.7	1672.0
140°	1272.7	1395.3	1505.9	1583.0	1634.4	1672.0	1695.7	1715.4	1727.3	1727.3	1727.3
142.5°	1334.4	1455.4	1562.9	1639.9	1685.0	1719.4	1744.7	1759.7	1773.1	1773.1	1773.1
145°	1421.0	1541.5	1640.3	1717.4	1755.0	1786.6	1814.3	1826.1	1834.0	1834.0	1834.0
147.5°	1511.5	1618.2	1708.3	1782.2	1813.9	1851.0	1872.7	1882.2	1892.1	1887.8	1892.1
150°	1565.2	1664.1	1751.0	1820.2	1851.8	1887.4	1909.1	1917.0	1926.9	1921.0	1926.9
152.5°	1617.4	1711.5	1790.5	1855.0	1881.8	1917.4	1942.3	1950.2	1956.9	1952.6	1956.9
155°	1687.8	1770.8	1843.9	1903.2	1926.9	1960.5	1984.2	1994.1	2002.0	1992.1	2002.0
157.5°	1750.6	1822.2	1885.8	1940.3	1965.6	1994.5	2016.6	2028.9	2036.8	2032.4	2036.8
160°	1788.6	1853.8	1911.1	1962.5	1986.2	2011.9	2035.6	2049.4	2057.3	2051.4	2057.3
162.5°	1820.2	1879.1	1933.2	1979.9	2000.4	2022.9	2051.4	2063.7	2071.6	2064.1	2071.6
165°	1865.6	1913.1	1960.5	2000.0	2017.8	2035.6	2065.2	2079.1	2085.0	2077.1	2085.0
167.5°	1900.0	1936.4	1974.7	2008.7	2021.8	2039.2	2068.8	2080.3	2087.8	2077.9	2087.8
170°	1919.0	1950.6	1984.2	2011.9	2021.8	2037.6	2067.2	2077.1	2083.0	2073.1	2083.0
172.5°	1934.8	1958.5	1985.8	2010.3	2015.4	2028.1	2056.2	2066.0	2070.4	2062.1	2070.4
175°	1950.6	1964.5	1984.2	2000.0	1998.0	2006.0	2029.7	2037.6	2045.5	2033.6	2045.5
177.5°	1958.1	1964.5	1970.8	1980.3	1973.9	1973.9	1991.3	1996.1	1997.7	1991.3	1997.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1428127

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2660.8	2658.8	2656.8	2661.3	2672.3	2676.3	2659.3	2642.3	2659.3	2676.3	2672.3
5°	2661.9	2657.8	2655.3	2659.7	2671.0	2674.1	2652.8	2631.6	2652.8	2674.1	2671.0
7.5°	2657.9	2652.0	2647.8	2651.1	2662.1	2665.0	2643.2	2621.4	2643.2	2665.0	2662.1
10°	2650.6	2643.8	2637.5	2639.4	2649.4	2652.2	2633.4	2614.7	2633.4	2652.2	2649.4
12.5°	2634.6	2626.5	2618.2	2618.6	2627.6	2629.9	2612.2	2594.4	2612.2	2629.9	2627.6
15°	2610.6	2600.6	2589.3	2586.2	2591.2	2590.9	2574.6	2558.4	2574.6	2590.9	2591.2
17.5°	2590.4	2576.8	2560.8	2553.0	2553.5	2548.9	2529.2	2509.4	2529.2	2548.9	2553.5
20°	2578.4	2560.3	2540.2	2529.0	2526.5	2518.7	2494.9	2471.1	2494.9	2518.7	2526.5
22.5°	2576.2	2548.3	2518.2	2501.0	2496.5	2486.1	2458.4	2430.6	2458.4	2486.1	2496.5
25°	2577.8	2536.8	2493.0	2462.4	2444.9	2424.9	2397.3	2369.8	2397.3	2424.9	2444.9
27.5°	2560.3	2516.9	2467.6	2424.6	2387.8	2353.4	2326.2	2298.9	2326.2	2353.4	2387.8
30°	2530.6	2486.1	2434.9	2387.3	2343.5	2304.1	2277.9	2251.6	2277.9	2304.1	2343.5
32.5°	2489.5	2442.6	2387.3	2336.3	2289.5	2247.6	2220.3	2193.1	2220.3	2247.6	2289.5
35°	2418.0	2371.7	2314.2	2257.2	2200.9	2152.2	2125.9	2099.6	2125.9	2152.2	2200.9
37.5°	2273.7	2249.4	2217.1	2169.4	2106.4	2051.7	2021.9	1992.1	2021.9	2051.7	2106.4
40°	2143.4	2142.8	2136.5	2103.4	2043.3	1988.6	1949.8	1911.1	1949.8	1988.6	2043.3
42.5°	1965.0	2001.7	2026.4	2017.8	1975.8	1931.8	1882.0	1832.2	1882.0	1931.8	1975.8
45°	1583.3	1690.6	1816.9	1872.0	1855.7	1828.8	1770.0	1711.2	1770.0	1828.8	1855.7
47.5°	1329.4	1441.0	1578.4	1661.7	1691.0	1698.4	1640.4	1582.3	1640.4	1698.4	1691.0
50°	1188.0	1283.4	1399.7	1493.6	1564.9	1604.6	1549.5	1494.5	1549.5	1604.6	1564.9
52.5°	1048.7	1137.1	1238.4	1337.2	1433.5	1493.5	1444.5	1395.4	1444.5	1493.5	1433.5
55°	815.6	916.6	1035.4	1144.3	1243.1	1308.7	1275.0	1241.2	1275.0	1308.7	1243.1
57.5°	608.7	726.7	866.3	974.5	1051.3	1103.0	1079.2	1055.4	1079.2	1103.0	1051.3
60°	502.9	612.6	750.2	853.4	922.2	969.1	950.4	931.6	950.4	969.1	922.2
62.5°	439.6	527.1	640.6	732.8	803.6	852.5	835.8	819.0	835.8	852.5	803.6
65°	376.8	429.7	499.7	571.7	645.5	696.7	680.5	664.2	680.5	696.7	645.5
67.5°	328.9	356.3	392.3	445.5	515.8	564.1	546.3	528.6	546.3	564.1	515.8
70°	294.9	310.5	330.5	373.7	440.0	485.0	466.3	447.5	466.3	485.0	440.0
72.5°	259.1	269.3	282.3	317.9	376.2	415.5	397.7	380.0	397.7	415.5	376.2
75°	208.0	213.0	219.2	243.6	286.1	314.6	300.8	287.1	300.8	314.6	286.1
77.5°	157.9	160.6	163.9	179.4	207.1	225.8	217.0	208.3	217.0	225.8	207.1
80°	126.3	127.6	128.8	138.8	157.6	170.7	167.0	163.2	167.0	170.7	157.6
82.5°	94.6	96.1	97.3	102.8	112.6	120.2	121.5	122.7	121.5	120.2	112.6
85°	41.3	46.0	51.0	54.7	57.2	59.7	62.2	64.7	62.2	59.7	57.2
87.5°	15.1	15.4	16.4	19.0	22.8	25.0	23.0	21.5	23.0	24.6	23.6
90°	41.5	39.5	39.5	37.5	31.6	23.7	13.8	5.9	13.8	21.7	35.6
92.5°	49.4	49.0	45.9	42.3	34.8	34.8	34.4	21.7	37.5	53.4	76.7
95°	45.5	45.5	53.4	67.2	98.8	100.8	67.2	61.3	87.0	122.5	154.2
97.5°	122.9	146.2	179.4	185.8	175.9	131.2	125.7	117.0	159.3	194.5	245.5
100°	227.3	256.9	280.6	233.2	183.8	181.8	170.0	166.0	211.5	245.1	294.5
102.5°	355.3	364.4	282.2	255.3	243.9	235.6	217.4	215.0	260.5	306.7	348.2
105°	385.4	345.9	347.8	347.8	339.9	324.1	290.5	288.5	339.9	393.3	444.7
107.5°	453.4	459.3	469.6	467.2	458.1	415.8	376.3	367.2	413.4	477.5	534.0
110°	543.5	549.4	553.4	549.4	535.6	482.2	434.8	421.0	462.5	529.7	590.9



TEST NUMBER: P1428127

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	630.4	634.8	643.5	631.6	608.3	547.0	493.3	473.1	514.6	583.4	646.3
115°	768.8	768.8	770.8	764.8	717.4	654.2	583.0	553.4	588.9	652.2	721.4
117.5°	904.8	907.1	899.2	883.4	828.5	754.9	675.1	627.7	655.7	722.5	793.7
120°	990.1	994.1	986.2	962.5	909.1	826.1	735.2	679.8	701.6	766.8	838.0
122.5°	1078.7	1077.9	1068.4	1041.5	978.7	892.5	803.2	735.2	744.3	804.8	874.3
125°	1201.6	1199.6	1191.7	1160.1	1094.9	1005.9	901.2	818.2	806.3	857.7	928.9
127.5°	1318.6	1314.2	1302.0	1263.7	1196.9	1111.1	996.1	902.0	875.5	907.9	973.1
130°	1399.2	1393.3	1371.6	1330.1	1264.8	1183.8	1067.2	960.5	922.9	942.7	1000.0
132.5°	1476.7	1459.7	1441.1	1396.5	1336.0	1251.8	1133.6	1022.1	970.4	979.1	1023.7
135°	1575.1	1559.3	1535.6	1492.1	1434.8	1351.8	1233.2	1112.7	1041.5	1033.6	1059.3
137.5°	1661.7	1645.1	1618.2	1580.7	1522.9	1449.0	1335.2	1207.9	1118.2	1091.7	1101.6
140°	1715.4	1695.7	1672.0	1634.4	1583.0	1505.9	1395.3	1272.7	1172.0	1134.4	1128.5
142.5°	1759.7	1744.7	1719.4	1685.0	1639.9	1562.9	1455.4	1334.4	1227.3	1178.7	1164.8
145°	1826.1	1814.3	1786.6	1755.0	1717.4	1640.3	1541.5	1421.0	1314.2	1251.0	1221.4
147.5°	1882.2	1872.7	1851.0	1813.9	1782.2	1708.3	1618.2	1511.5	1402.0	1323.7	1285.4
150°	1917.0	1909.1	1887.4	1851.8	1820.2	1751.0	1664.1	1565.2	1460.5	1377.5	1328.1
152.5°	1950.2	1942.3	1917.4	1881.8	1855.0	1790.5	1711.5	1617.4	1511.1	1428.1	1377.1
155°	1994.1	1984.2	1960.5	1926.9	1903.2	1843.9	1770.8	1687.8	1596.9	1509.9	1452.6
157.5°	2028.9	2016.6	1994.5	1965.6	1940.3	1885.8	1822.2	1750.6	1671.2	1588.2	1529.7
160°	2049.4	2035.6	2011.9	1986.2	1962.5	1911.1	1853.8	1788.6	1715.4	1640.3	1577.1
162.5°	2063.7	2051.4	2022.9	2000.4	1979.9	1933.2	1879.1	1820.2	1755.0	1689.3	1630.8
165°	2079.1	2065.2	2035.6	2017.8	2000.0	1960.5	1913.1	1865.6	1810.3	1756.9	1709.5
167.5°	2080.3	2068.8	2039.2	2021.8	2008.7	1974.7	1936.4	1900.0	1856.9	1815.0	1775.5
170°	2077.1	2067.2	2037.6	2021.8	2011.9	1984.2	1950.6	1919.0	1885.4	1849.8	1818.2
172.5°	2066.0	2056.2	2028.1	2015.4	2010.3	1985.8	1958.5	1934.8	1906.0	1879.9	1854.6
175°	2037.6	2029.7	2006.0	1998.0	2000.0	1984.2	1964.5	1950.6	1932.8	1917.0	1903.2
177.5°	1996.1	1991.3	1973.9	1973.9	1980.3	1970.8	1964.5	1958.1	1950.2	1945.5	1940.7
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5

TEST NUMBER: P1428127

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5	2662.5
2.5°	2661.3	2656.8	2658.8	2660.8	2662.8	2664.8	2662.8	2660.8	2658.8	2656.8	2661.3
5°	2659.7	2655.3	2657.8	2661.9	2670.7	2679.4	2670.7	2661.9	2657.8	2655.3	2659.7
7.5°	2651.1	2647.8	2652.0	2657.9	2668.7	2679.4	2668.7	2657.9	2652.0	2647.8	2651.1
10°	2639.4	2637.5	2643.8	2650.6	2659.4	2668.2	2659.4	2650.6	2643.8	2637.5	2639.4
12.5°	2618.6	2618.2	2626.5	2634.6	2642.4	2650.1	2642.4	2634.6	2626.5	2618.2	2618.6
15°	2586.2	2589.3	2600.6	2610.6	2616.9	2623.1	2616.9	2610.6	2600.6	2589.3	2586.2
17.5°	2553.0	2560.8	2576.8	2590.4	2596.9	2603.4	2596.9	2590.4	2576.8	2560.8	2553.0
20°	2529.0	2540.2	2560.3	2578.4	2590.9	2603.4	2590.9	2578.4	2560.3	2540.2	2529.0
22.5°	2501.0	2518.2	2548.3	2576.2	2597.7	2619.2	2597.7	2576.2	2548.3	2518.2	2501.0
25°	2462.4	2493.0	2536.8	2577.8	2610.3	2642.8	2610.3	2577.8	2536.8	2493.0	2462.4
27.5°	2424.6	2467.6	2516.9	2560.3	2586.1	2611.9	2586.1	2560.3	2516.9	2467.6	2424.6
30°	2387.3	2434.9	2486.1	2530.6	2554.3	2578.1	2554.3	2530.6	2486.1	2434.9	2387.3
32.5°	2336.3	2387.3	2442.6	2489.5	2511.3	2533.1	2511.3	2489.5	2442.6	2387.3	2336.3
35°	2257.2	2314.2	2371.7	2418.0	2430.5	2443.0	2430.5	2418.0	2371.7	2314.2	2257.2
37.5°	2169.4	2217.1	2249.4	2273.7	2274.5	2275.2	2274.5	2273.7	2249.4	2217.1	2169.4
40°	2103.4	2136.5	2142.8	2143.4	2127.1	2110.9	2127.1	2143.4	2142.8	2136.5	2103.4
42.5°	2017.8	2026.4	2001.7	1965.0	1892.7	1820.4	1892.7	1965.0	2001.7	2026.4	2017.8
45°	1872.0	1816.9	1690.6	1583.3	1533.3	1483.2	1533.3	1583.3	1690.6	1816.9	1872.0
47.5°	1661.7	1578.4	1441.0	1329.4	1294.9	1260.3	1294.9	1329.4	1441.0	1578.4	1661.7
50°	1493.6	1399.7	1283.4	1188.0	1155.5	1123.0	1155.5	1188.0	1283.4	1399.7	1493.6
52.5°	1337.2	1238.4	1137.1	1048.7	999.2	949.6	999.2	1048.7	1137.1	1238.4	1337.2
55°	1144.3	1035.4	916.6	815.6	768.0	720.5	768.0	815.6	916.6	1035.4	1144.3
57.5°	974.5	866.3	726.7	608.7	555.4	502.1	555.4	608.7	726.7	866.3	974.5
60°	853.4	750.2	612.6	502.9	476.6	450.3	476.6	502.9	612.6	750.2	853.4
62.5°	732.8	640.6	527.1	439.6	430.3	421.1	430.3	439.6	527.1	640.6	732.8
65°	571.7	499.7	429.7	376.8	375.6	374.3	375.6	376.8	429.7	499.7	571.7
67.5°	445.5	392.3	356.3	328.9	327.4	325.9	327.4	328.9	356.3	392.3	445.5
70°	373.7	330.5	310.5	294.9	292.4	289.9	292.4	294.9	310.5	330.5	373.7
72.5°	317.9	282.3	269.3	259.1	257.6	256.1	257.6	259.1	269.3	282.3	317.9
75°	243.6	219.2	213.0	208.0	206.7	205.5	206.7	208.0	213.0	219.2	243.6
77.5°	179.4	163.9	160.6	157.9	156.6	155.4	156.6	157.9	160.6	163.9	179.4
80°	138.8	128.8	127.6	126.3	125.1	123.8	125.1	126.3	127.6	128.8	138.8
82.5°	102.8	97.3	96.1	94.6	92.3	90.1	92.3	94.6	96.1	97.3	102.8
85°	54.7	51.0	46.0	41.3	37.5	33.8	37.5	41.3	46.0	51.0	54.7
87.5°	20.6	20.4	22.1	23.0	24.5	23.8	24.5	23.0	22.1	20.4	20.6
90°	45.5	59.3	73.1	81.0	88.9	85.0	88.9	81.0	73.1	59.3	45.5
92.5°	91.3	114.6	131.6	145.9	152.2	151.4	152.2	145.9	131.6	114.6	91.3
95°	183.8	211.5	239.1	258.9	270.8	266.8	270.8	258.9	239.1	211.5	183.8
97.5°	283.4	320.6	351.4	370.0	381.8	389.7	381.8	370.0	351.4	320.6	283.4
100°	349.8	385.4	421.0	442.7	462.5	470.4	462.5	442.7	421.0	385.4	349.8
102.5°	403.6	450.2	488.9	512.3	528.9	536.8	528.9	512.3	488.9	450.2	403.6
105°	492.1	541.5	583.0	612.7	630.4	636.4	630.4	612.7	583.0	541.5	492.1
107.5°	580.6	631.6	670.0	702.8	724.5	737.2	724.5	702.8	670.0	631.6	580.6
110°	650.2	691.7	733.2	762.9	784.6	792.5	784.6	762.9	733.2	691.7	650.2



TEST NUMBER: P1428127

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	708.7	754.9	796.5	826.1	851.0	862.1	851.0	826.1	796.5	754.9	708.7
115°	790.5	851.8	889.3	917.0	934.8	944.7	934.8	917.0	889.3	851.8	790.5
117.5°	858.5	922.5	963.6	985.0	993.3	1000.4	993.3	985.0	963.6	922.5	858.5
120°	901.2	960.5	1007.9	1035.6	1045.5	1049.4	1045.5	1035.6	1007.9	960.5	901.2
122.5°	940.7	996.8	1042.7	1076.7	1092.9	1096.9	1092.9	1076.7	1042.7	996.8	940.7
125°	996.1	1049.4	1096.9	1130.4	1148.2	1158.1	1148.2	1130.4	1096.9	1049.4	996.1
127.5°	1044.3	1102.0	1145.5	1175.9	1193.3	1201.2	1193.3	1175.9	1145.5	1102.0	1044.3
130°	1071.2	1130.4	1173.9	1207.5	1223.3	1231.2	1223.3	1207.5	1173.9	1130.4	1071.2
132.5°	1091.7	1154.2	1199.2	1229.7	1247.1	1255.0	1247.1	1229.7	1199.2	1154.2	1091.7
135°	1116.6	1181.8	1229.3	1258.9	1274.7	1282.6	1274.7	1258.9	1229.3	1181.8	1116.6
137.5°	1138.4	1197.6	1247.1	1278.3	1292.5	1297.6	1292.5	1278.3	1247.1	1197.6	1138.4
140°	1154.2	1205.5	1255.0	1284.6	1300.4	1302.4	1300.4	1284.6	1255.0	1205.5	1154.2
142.5°	1174.7	1215.0	1258.1	1287.8	1303.6	1307.1	1303.6	1287.8	1258.1	1215.0	1174.7
145°	1211.5	1235.2	1264.8	1292.5	1306.3	1310.3	1306.3	1292.5	1264.8	1235.2	1211.5
147.5°	1257.7	1265.2	1280.6	1298.8	1312.3	1315.0	1312.3	1298.8	1280.6	1265.2	1257.7
150°	1292.5	1290.5	1296.5	1308.3	1320.2	1318.2	1320.2	1308.3	1296.5	1290.5	1292.5
152.5°	1332.0	1320.6	1320.2	1325.7	1331.2	1330.8	1331.2	1325.7	1320.2	1320.6	1332.0
155°	1399.2	1377.5	1365.6	1361.7	1361.7	1359.7	1361.7	1361.7	1365.6	1377.5	1399.2
157.5°	1473.1	1442.7	1424.9	1415.4	1412.7	1408.3	1412.7	1415.4	1424.9	1442.7	1473.1
160°	1523.7	1490.1	1472.3	1456.5	1450.6	1444.7	1450.6	1456.5	1472.3	1490.1	1523.7
162.5°	1571.2	1539.1	1519.8	1505.6	1499.6	1490.5	1499.6	1505.6	1519.8	1539.1	1571.2
165°	1648.2	1614.6	1592.9	1581.0	1573.1	1565.2	1573.1	1581.0	1592.9	1614.6	1648.2
167.5°	1725.3	1688.6	1674.3	1660.9	1653.4	1639.1	1653.4	1660.9	1674.3	1688.6	1725.3
170°	1772.7	1739.2	1731.2	1719.4	1705.6	1689.7	1705.6	1719.4	1731.2	1739.2	1772.7
172.5°	1813.9	1791.3	1783.4	1771.6	1767.2	1754.6	1767.2	1771.6	1783.4	1791.3	1813.9
175°	1873.5	1855.8	1855.8	1853.8	1847.8	1836.0	1847.8	1853.8	1855.8	1855.8	1873.5
177.5°	1923.3	1913.9	1920.2	1920.2	1918.6	1907.5	1918.6	1920.2	1920.2	1913.9	1923.3
180°	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5	1956.5



TEST NUMBER: P1428127

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2662.5	2662.5	2662.5	2662.5
2.5°	2672.3	2676.3	2659.3	2642.3
5°	2671.0	2674.1	2652.8	2631.6
7.5°	2662.1	2665.0	2643.2	2621.4
10°	2649.4	2652.2	2633.4	2614.7
12.5°	2627.6	2629.9	2612.2	2594.4
15°	2591.2	2590.9	2574.6	2558.4
17.5°	2553.5	2548.9	2529.2	2509.4
20°	2526.5	2518.7	2494.9	2471.1
22.5°	2496.5	2486.1	2458.4	2430.6
25°	2444.9	2424.9	2397.3	2369.8
27.5°	2387.8	2353.4	2326.2	2298.9
30°	2343.5	2304.1	2277.9	2251.6
32.5°	2289.5	2247.6	2220.3	2193.1
35°	2200.9	2152.2	2125.9	2099.6
37.5°	2106.4	2051.7	2021.9	1992.1
40°	2043.3	1988.6	1949.8	1911.1
42.5°	1975.8	1931.8	1882.0	1832.2
45°	1855.7	1828.8	1770.0	1711.2
47.5°	1691.0	1698.4	1640.4	1582.3
50°	1564.9	1604.6	1549.5	1494.5
52.5°	1433.5	1493.5	1444.5	1395.4
55°	1243.1	1308.7	1275.0	1241.2
57.5°	1051.3	1103.0	1079.2	1055.4
60°	922.2	969.1	950.4	931.6
62.5°	803.6	852.5	835.8	819.0
65°	645.5	696.7	680.5	664.2
67.5°	515.8	564.1	546.3	528.6
70°	440.0	485.0	466.3	447.5
72.5°	376.2	415.5	397.7	380.0
75°	286.1	314.6	300.8	287.1
77.5°	207.1	225.8	217.0	208.3
80°	157.6	170.7	167.0	163.2
82.5°	112.6	120.2	121.5	122.7
85°	57.2	59.7	62.2	64.7
87.5°	23.6	24.6	23.0	21.5
90°	35.6	21.7	13.8	5.9
92.5°	76.7	53.4	37.5	21.7
95°	154.2	122.5	87.0	61.3
97.5°	245.5	194.5	159.3	117.0
100°	294.5	245.1	211.5	166.0
102.5°	348.2	306.7	260.5	215.0
105°	444.7	393.3	339.9	288.5
107.5°	534.0	477.5	413.4	367.2
110°	590.9	529.7	462.5	421.0



TEST NUMBER: P1428127

CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	646.3	583.4	514.6	473.1
115°	721.4	652.2	588.9	553.4
117.5°	793.7	722.5	655.7	627.7
120°	838.0	766.8	701.6	679.8
122.5°	874.3	804.8	744.3	735.2
125°	928.9	857.7	806.3	818.2
127.5°	973.1	907.9	875.5	902.0
130°	1000.0	942.7	922.9	960.5
132.5°	1023.7	979.1	970.4	1022.1
135°	1059.3	1033.6	1041.5	1112.7
137.5°	1101.6	1091.7	1118.2	1207.9
140°	1128.5	1134.4	1172.0	1272.7
142.5°	1164.8	1178.7	1227.3	1334.4
145°	1221.4	1251.0	1314.2	1421.0
147.5°	1285.4	1323.7	1402.0	1511.5
150°	1328.1	1377.5	1460.5	1565.2
152.5°	1377.1	1428.1	1511.1	1617.4
155°	1452.6	1509.9	1596.9	1687.8
157.5°	1529.7	1588.2	1671.2	1750.6
160°	1577.1	1640.3	1715.4	1788.6
162.5°	1630.8	1689.3	1755.0	1820.2
165°	1709.5	1756.9	1810.3	1865.6
167.5°	1775.5	1815.0	1856.9	1900.0
170°	1818.2	1849.8	1885.4	1919.0
172.5°	1854.6	1879.9	1906.0	1934.8
175°	1903.2	1917.0	1932.8	1950.6
177.5°	1940.7	1945.5	1950.2	1958.1
180°	1956.5	1956.5	1956.5	1956.5

TEST NUMBER: P1428127
 CATALOG NUMBER: SQ2W-PP3-K-125U-125D-L840-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	20.89	21.75	21.82	22.69	23.91	16.66	17.52	17.59	18.47	19.68
	3H	21.95	22.72	22.89	23.67	24.91	17.97	18.74	18.91	19.69	20.93
	4H	22.32	23.05	23.27	24.00	25.25	18.53	19.26	19.48	20.21	21.46
	6H	22.51	23.18	23.48	24.14	25.40	18.89	19.56	19.86	20.52	21.78
	8H	22.57	23.21	23.55	24.19	25.45	19.02	19.66	19.99	20.64	21.89
	12H	22.60	23.20	23.57	24.17	25.46	19.06	19.66	20.03	20.63	21.92
4H	2H	21.01	21.74	21.97	22.69	23.94	17.57	18.30	18.53	19.25	20.50
	3H	22.30	22.91	23.27	23.89	25.15	18.99	19.60	19.96	20.58	21.84
	4H	22.81	23.36	23.79	24.34	25.63	19.61	20.16	20.59	21.14	22.43
	6H	23.13	23.60	24.12	24.60	25.89	20.06	20.53	21.05	21.54	22.82
	8H	23.24	23.68	24.23	24.67	25.97	20.23	20.67	21.22	21.67	22.97
	12H	23.28	23.68	24.29	24.69	26.00	20.28	20.68	21.29	21.69	23.00
8H	4H	22.83	23.27	23.82	24.27	25.57	19.92	20.37	20.92	21.36	22.66
	6H	23.24	23.61	24.26	24.65	25.94	20.48	20.85	21.50	21.89	23.18
	8H	23.42	23.74	24.45	24.77	26.09	20.73	21.05	21.76	22.08	23.39
	12H	23.52	23.80	24.55	24.82	26.18	20.83	21.12	21.86	22.13	23.50
12H	4H	22.79	23.19	23.80	24.20	25.50	19.94	20.33	20.95	21.35	22.65
	6H	23.24	23.56	24.26	24.58	25.90	20.55	20.87	21.57	21.90	23.21
	8H	23.43	23.72	24.46	24.73	26.10	20.82	21.11	21.85	22.13	23.49