

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: METALUX

Report Number: P995688

Luminaire Tested: 8SLSTPSLC-MED-5000K

Issue Date: 6/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P995688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (KYZ-A250506112-02-001)
Test Lab:
Issue Date: 6/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8SLSTPSLC-MED-5000K
Description: 8' Selectable CCT and Lumen LED Striplight
Light Source: -
Ballast/Driver: -

Summary

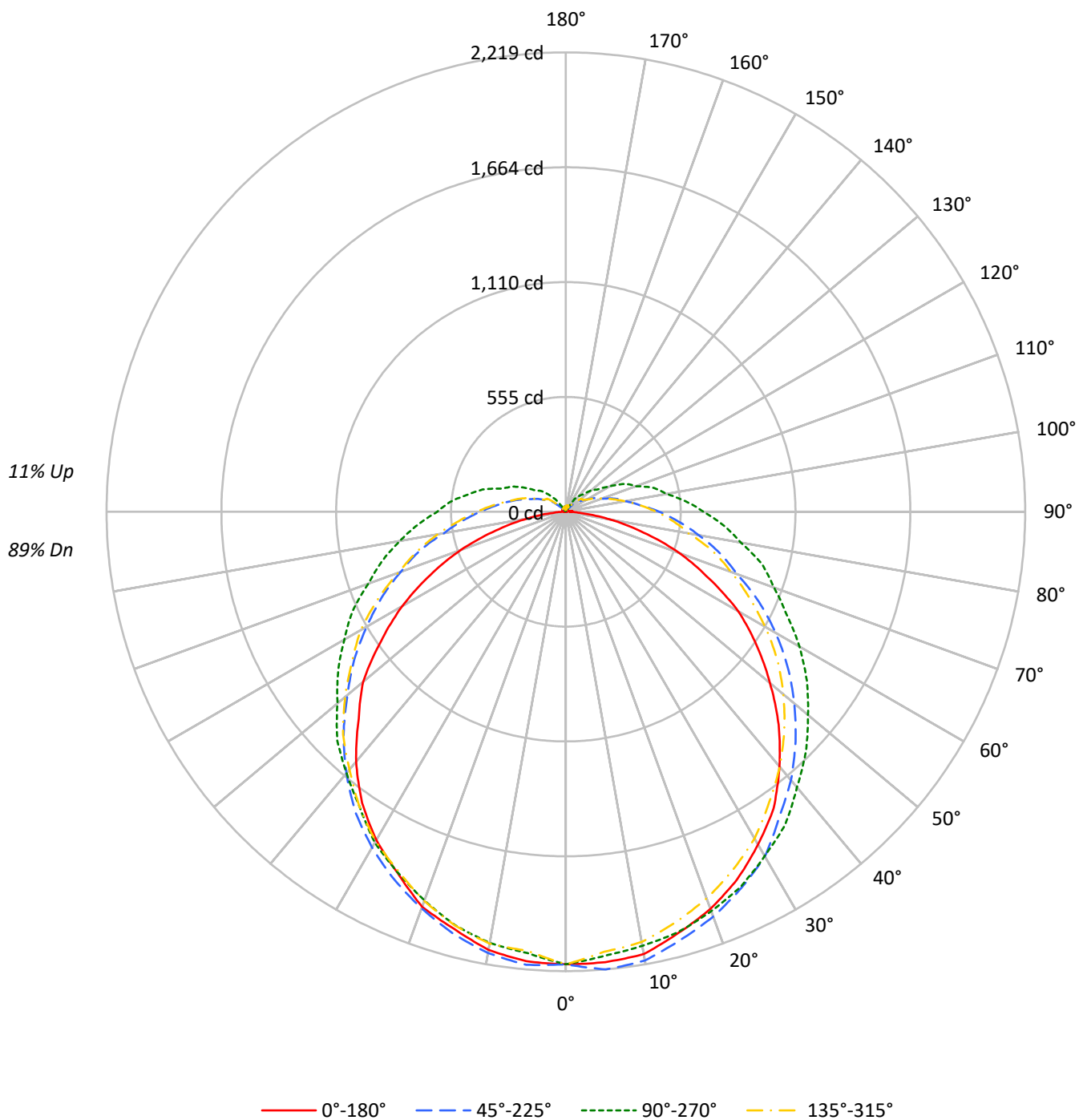
Lumens per Lamp: N/A
Luminaire Lumens: 8254.0 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.21' x L: 7.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 65
Input Voltage (V): NR
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: P995688

CATALOG NUMBER: 8SLSTPSLC-MED-5000K

Luminous Intensity Polar Plot



TEST NUMBER: P995688

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92
1	104	98	93	88	100	95	90	86	88	85	81	83	80	77	77	75	73
2	94	84	77	70	90	82	75	69	76	70	65	71	66	62	66	63	59
3	85	73	65	58	81	71	63	56	66	60	54	62	56	52	58	53	49
4	77	65	55	48	74	63	54	47	59	51	45	55	49	44	52	46	42
5	71	58	48	41	68	56	47	40	52	45	39	49	43	38	46	41	36
6	65	52	42	36	63	50	41	35	47	40	34	44	38	33	42	36	32
7	61	47	38	31	58	45	37	31	43	35	30	40	34	29	38	32	28
8	56	42	34	28	54	41	33	27	39	32	27	37	30	26	35	29	25
9	53	39	31	25	51	38	30	24	36	29	24	34	28	23	32	27	22
10	49	36	28	22	47	35	27	22	33	26	22	31	25	21	30	24	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13809	13809	13809	13809
5°	13817	12553	13790	12479
10°	13853	11610	13721	11533
15°	13674	10840	13548	10664
20°	13595	10120	13517	9847
25°	13487	9500	13247	9138
30°	13337	8883	13156	8535
35°	13246	8375	12992	7884
40°	12949	7789	12717	7390
45°	12648	7326	12318	6976
50°	12262	6847	12182	6459
55°	11936	6445	11569	6093
60°	11626	6028	11026	5716
65°	10786	5593	10218	5407
70°	10043	5273	9284	5002
75°	8646	5064	7743	4739
80°	6968	4680	6024	4443
85°	3991	4466	3491	4185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12648 cd/sqm

TEST NUMBER: P995688

CATALOG NUMBER: 8SLSTPSLC-MED-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.8	2.5
10°-20°	593.5	7.2
20°-30°	904.4	11.0
30°-40°	1106.3	13.4
40°-50°	1178.5	14.3
50°-60°	1124.7	13.6
60°-70°	967.8	11.7
70°-80°	745.4	9.0
80°-90°	520.4	6.3
90°-100°	354.2	4.3
100°-110°	235.8	2.9
110°-120°	147.9	1.8
120°-130°	87.7	1.1
130°-140°	45.5	0.6
140°-150°	17.9	0.2
150°-160°	9.8	0.1
160°-170°	5.8	0.1
170°-180°	1.5	0.0
0°-30°	1704.7	20.7
0°-40°	2811.0	34.1
0°-60°	5114.2	62.0
0°-90°	7347.8	89.0
90°-120°	737.9	8.9
90°-150°	889.1	10.8
90°-180°	906.0	11.0
0°-180°	8254.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2186	2186	2186	2186	2186	
5°	2184	2153	2180	2140	2184	208
15°	2106	2102	2086	2068	2106	595
25°	1959	1998	1924	1922	1959	902
35°	1750	1846	1716	1738	1750	1091
45°	1454	1640	1416	1562	1454	1120
55°	1125	1421	1090	1343	1125	1007
65°	763	1177	723	1137	763	761
75°	390	982	349	919	390	418
85°	72	766	63	718	72	95
90°	18	665	7	621	18	19
95°	32	581	1	559	32	11
105°	4	443	9	416	4	5
115°	8	320	16	287	8	9
125°	10	188	9	178	10	9
135°	14	120	8	118	14	10
145°	12	78	11	10	12	6
155°	8	6	4	16	8	3
165°	10	22	13	28	10	3
175°	13	6	7	18	13	1
180°	13	13	13	13	13	

TEST NUMBER: P995688

CATALOG NUMBER: 8SLSTPSLC-MED-5000K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9
5°	2183.9	2202.9	2148.0	2219.0	2211.9	2187.3	2152.7	2162.2	2168.4	2133.3	2177.7
10°	2169.7	2166.5	2120.6	2201.1	2183.5	2162.2	2129.0	2147.1	2138.5	2110.1	2157.4
15°	2105.8	2132.9	2095.0	2140.9	2142.8	2136.6	2101.5	2099.3	2091.6	2052.4	2108.6
20°	2041.9	2057.6	2032.0	2081.2	2093.5	2094.4	2053.3	2046.6	2031.1	1987.6	2022.2
25°	1959.0	1973.8	1951.9	2005.5	2008.9	2014.5	1998.4	1956.8	1957.2	1909.3	1931.6
30°	1856.5	1872.0	1852.2	1923.5	1930.6	1929.3	1920.7	1894.2	1880.0	1822.3	1846.0
35°	1749.8	1752.3	1767.0	1797.7	1829.4	1848.3	1846.4	1809.0	1786.3	1713.0	1707.8
40°	1605.5	1614.1	1642.4	1692.1	1714.9	1733.8	1737.1	1714.9	1672.3	1607.3	1587.2
45°	1453.6	1463.5	1519.9	1569.0	1606.4	1644.9	1640.0	1609.4	1571.5	1492.5	1452.7
50°	1287.4	1307.8	1375.9	1440.4	1493.8	1516.6	1527.0	1501.4	1450.3	1371.3	1291.7
55°	1125.1	1143.6	1237.7	1308.7	1363.6	1413.3	1420.9	1383.0	1324.4	1246.7	1141.2
60°	962.8	979.2	1065.9	1169.5	1237.3	1298.8	1303.5	1280.3	1187.1	1110.9	1003.0
65°	763.0	828.3	918.3	1029.1	1107.2	1197.0	1176.6	1156.3	1082.0	976.1	845.3
70°	583.7	647.0	762.0	878.9	1001.6	1069.3	1069.8	1052.6	972.7	848.7	716.6
75°	389.6	491.8	628.7	769.1	886.6	957.0	981.7	942.8	841.6	734.2	572.3
80°	220.6	309.5	492.3	652.2	766.9	834.5	858.2	838.8	729.3	602.5	463.0
85°	71.9	213.5	379.7	546.3	669.8	752.7	765.9	720.9	647.9	520.7	342.7
90°	17.6	122.5	286.9	451.0	567.6	642.9	665.1	640.8	558.1	435.5	263.2
95°	31.8	87.0	225.8	360.3	489.3	550.4	580.9	565.5	478.1	359.7	216.8
100°	2.4	36.0	166.2	293.0	410.3	475.7	494.2	490.5	411.3	289.7	157.1
105°	3.7	51.2	115.4	246.2	336.6	419.9	443.0	410.3	336.0	233.3	103.7
110°	7.7	26.5	77.1	180.8	287.8	348.0	361.2	346.5	283.5	187.0	88.0
115°	8.0	21.9	77.7	156.1	221.1	284.1	319.6	268.8	212.9	151.5	79.9
120°	13.6	23.2	60.1	120.7	192.6	204.5	246.5	228.2	174.3	117.5	65.7
125°	10.5	19.8	56.8	94.1	135.8	179.5	187.5	181.4	149.0	99.9	47.8
130°	7.1	23.7	37.9	70.6	125.5	159.5	160.4	149.6	118.8	98.4	25.6
135°	13.6	20.9	28.9	56.4	103.7	118.8	119.7	121.2	99.4	72.5	20.4
140°	15.7	19.4	20.4	28.0	67.2	92.8	99.0	84.8	86.7	42.6	22.8
145°	11.8	22.8	33.6	18.5	35.1	72.5	77.7	81.4	54.0	14.2	30.3
150°	0.0	20.4	37.9	23.2	21.3	16.1	23.7	21.3	12.3	26.5	40.7
155°	8.0	7.1	32.1	23.2	25.6	11.4	5.6	18.9	17.6	28.0	31.8
160°	8.6	9.0	12.3	14.8	26.5	26.9	29.9	42.6	27.5	32.1	12.3
165°	9.5	16.6	10.5	13.6	29.3	15.7	21.9	34.0	22.2	12.3	22.8
170°	9.5	17.9	3.7	5.2	14.8	10.8	26.9	17.6	24.1	15.7	10.8
175°	13.3	18.5	13.3	11.8	24.7	19.8	6.5	1.5	14.2	30.8	0.0
180°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4

TEST NUMBER: P995688

CATALOG NUMBER: 8SLSTPSLC-MED-5000K

CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9	2185.9
5°	2157.0	2179.6	2198.6	2164.1	2196.8	2200.5	2197.7	2140.0	2166.9	2162.6	2128.6
10°	2145.6	2149.0	2159.2	2121.9	2164.5	2169.3	2175.5	2114.8	2136.6	2143.7	2118.7
15°	2078.4	2086.4	2117.2	2070.0	2108.6	2119.6	2119.6	2067.5	2095.0	2080.8	2068.8
20°	2034.9	2030.2	2043.4	2008.9	2038.2	2042.5	2067.9	1997.9	2043.4	2039.1	2000.7
25°	1936.4	1924.1	1936.4	1936.4	1961.1	1976.6	1996.6	1922.2	1973.4	1959.6	1914.6
30°	1846.4	1831.3	1835.6	1842.3	1872.5	1881.0	1919.4	1845.5	1890.5	1874.4	1837.4
35°	1726.3	1716.2	1713.0	1740.9	1772.1	1777.9	1818.0	1738.1	1794.9	1764.6	1738.1
40°	1576.7	1576.7	1583.2	1624.5	1649.2	1682.2	1725.4	1648.1	1696.8	1665.6	1625.5
45°	1444.7	1415.7	1412.3	1480.1	1518.4	1559.7	1602.7	1561.6	1591.8	1546.8	1522.2
50°	1277.5	1279.0	1253.4	1317.7	1376.9	1437.9	1480.5	1440.4	1474.9	1443.7	1391.6
55°	1110.3	1090.5	1084.0	1176.3	1248.6	1329.6	1358.0	1343.2	1359.9	1341.0	1259.6
60°	935.3	913.1	930.1	1030.0	1110.0	1206.5	1247.2	1235.9	1221.1	1194.2	1144.0
65°	766.9	722.8	763.0	877.1	981.7	1076.9	1121.7	1137.4	1118.9	1080.1	1003.0
70°	578.4	539.6	594.5	716.1	848.7	946.2	999.2	1014.9	1003.9	952.3	860.4
75°	412.2	348.9	433.5	585.0	732.7	826.8	893.7	918.7	892.2	852.0	745.0
80°	281.1	190.7	290.2	456.3	598.8	723.7	785.2	814.7	791.0	723.2	628.1
85°	180.4	62.9	179.9	339.0	500.7	626.6	687.3	717.6	695.3	636.7	518.8
90°	97.5	7.1	115.4	264.7	411.8	523.0	607.7	621.0	603.1	530.1	427.9
95°	67.2	0.6	66.7	185.5	339.4	452.9	520.2	559.0	533.4	458.1	352.6
100°	41.6	17.0	41.6	147.2	280.7	383.4	443.6	479.1	450.7	380.6	284.1
105°	37.0	9.0	38.8	119.7	228.2	310.6	377.3	415.6	385.7	328.0	239.1
110°	27.5	4.3	19.8	88.9	178.4	275.5	311.9	326.1	323.7	267.5	192.2
115°	22.2	15.7	0.0	78.6	146.2	219.1	251.4	286.9	271.7	214.0	137.3
120°	17.0	19.8	18.5	44.1	107.0	178.4	205.8	233.8	205.8	183.2	117.5
125°	26.0	8.6	30.8	13.6	98.1	153.9	178.4	178.0	179.5	148.1	109.8
130°	15.7	2.4	32.7	7.7	43.5	112.2	141.6	157.1	147.7	120.3	64.8
135°	19.8	8.0	19.4	23.2	18.9	70.6	124.9	117.9	125.5	88.9	12.3
140°	8.0	6.5	21.3	19.4	14.2	10.8	34.6	75.6	45.9	1.5	9.0
145°	28.9	11.4	26.5	35.5	18.5	24.7	19.8	9.5	23.2	0.6	2.8
150°	22.2	0.0	17.9	37.4	21.3	10.5	4.3	3.7	0.0	8.6	17.9
155°	20.4	3.7	33.6	35.1	22.2	41.1	25.6	16.1	26.0	29.9	23.2
160°	22.2	10.8	17.6	30.8	32.7	28.9	35.5	31.2	24.7	28.9	23.7
165°	28.4	12.7	9.0	28.0	26.5	26.5	22.8	28.0	20.4	26.5	9.5
170°	15.7	15.7	26.9	15.7	31.2	24.7	30.8	17.6	17.0	14.8	17.6
175°	11.4	7.1	17.0	12.7	18.5	15.1	21.9	17.9	19.4	13.6	28.0
180°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4

TEST NUMBER: P995688
 CATALOG NUMBER: 8SLSTPSLC-MED-5000K

CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2185.9	2185.9	2185.9
5°	2186.3	2166.5	2183.9
10°	2147.1	2147.1	2169.7
15°	2095.9	2113.9	2105.8
20°	2038.2	2044.4	2041.9
25°	1962.4	1962.4	1959.0
30°	1862.5	1867.3	1856.5
35°	1760.3	1755.6	1749.8
40°	1619.3	1622.7	1605.5
45°	1490.6	1492.8	1453.6
50°	1344.7	1332.0	1287.4
55°	1191.4	1168.6	1125.1
60°	1045.2	982.2	962.8
65°	900.2	816.0	763.0
70°	746.0	655.6	583.7
75°	598.2	466.2	389.6
80°	473.3	327.0	220.6
85°	371.1	193.1	71.9
90°	286.3	124.0	17.6
95°	212.5	62.6	31.8
100°	157.6	40.2	2.4
105°	115.0	37.0	3.7
110°	84.8	22.8	7.7
115°	82.4	26.0	8.0
120°	52.5	21.9	13.6
125°	16.6	31.8	10.5
130°	4.7	8.0	7.1
135°	26.0	18.5	13.6
140°	26.5	17.0	15.7
145°	24.1	28.4	11.8
150°	16.6	24.7	0.0
155°	26.5	17.6	8.0
160°	13.6	12.3	8.6
165°	22.2	17.9	9.5
170°	22.8	10.5	9.5
175°	6.5	9.0	13.3
180°	13.4	13.4	13.4

TEST NUMBER: P995688
CATALOG NUMBER: 8SLSTPSLC-MED-5000K

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	16.55	18.03	17.07	18.55	19.13	19.69	21.16	20.21	21.69	22.26
	3H	17.93	19.28	18.46	19.82	20.43	22.42	23.77	22.95	24.30	24.92
	4H	18.34	19.63	18.90	20.18	20.80	23.80	25.08	24.35	25.63	26.26
	6H	18.57	19.76	19.14	20.33	20.97	25.24	26.44	25.81	27.00	27.65
	8H	18.60	19.75	19.18	20.34	20.98	26.01	27.15	26.59	27.74	28.39
	12H	18.61	19.71	19.19	20.29	20.96	26.86	27.96	27.45	28.54	29.22
4H	2H	17.54	18.82	18.10	19.37	20.00	19.99	21.28	20.55	21.83	22.45
	3H	19.16	20.26	19.73	20.85	21.50	22.92	24.02	23.49	24.61	25.26
	4H	19.71	20.72	20.30	21.32	22.00	24.44	25.45	25.03	26.05	26.72
	6H	20.05	20.94	20.65	21.56	22.25	26.06	26.95	26.67	27.58	28.27
	8H	20.12	20.96	20.73	21.59	22.29	26.92	27.77	27.54	28.39	29.09
	12H	20.15	20.92	20.79	21.57	22.28	27.89	28.66	28.53	29.31	30.02
8H	4H	20.52	21.36	21.13	21.98	22.69	24.58	25.42	25.19	26.04	26.74
	6H	21.05	21.77	21.70	22.44	23.14	26.33	27.05	26.98	27.71	28.42
	8H	21.23	21.87	21.88	22.54	23.26	27.31	27.96	27.97	28.63	29.35
	12H	21.33	21.91	21.98	22.57	23.35	28.44	29.02	29.10	29.68	30.46
12H	4H	20.76	21.52	21.39	22.17	22.88	24.57	25.34	25.21	25.99	26.70
	6H	21.41	22.06	22.06	22.73	23.45	26.35	27.00	27.00	27.67	28.39
	8H	21.68	22.26	22.34	22.92	23.71	27.38	27.96	28.04	28.62	29.41