

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: P995682

Luminaire Tested: 8SLSTPSLC-HI-5000K

Issue Date: 6/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P995682
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-HI-5000K
Description: 8' Selectable CCT and Lumen LED Striplight
Light Source: -
Ballast/Driver: -

Summary

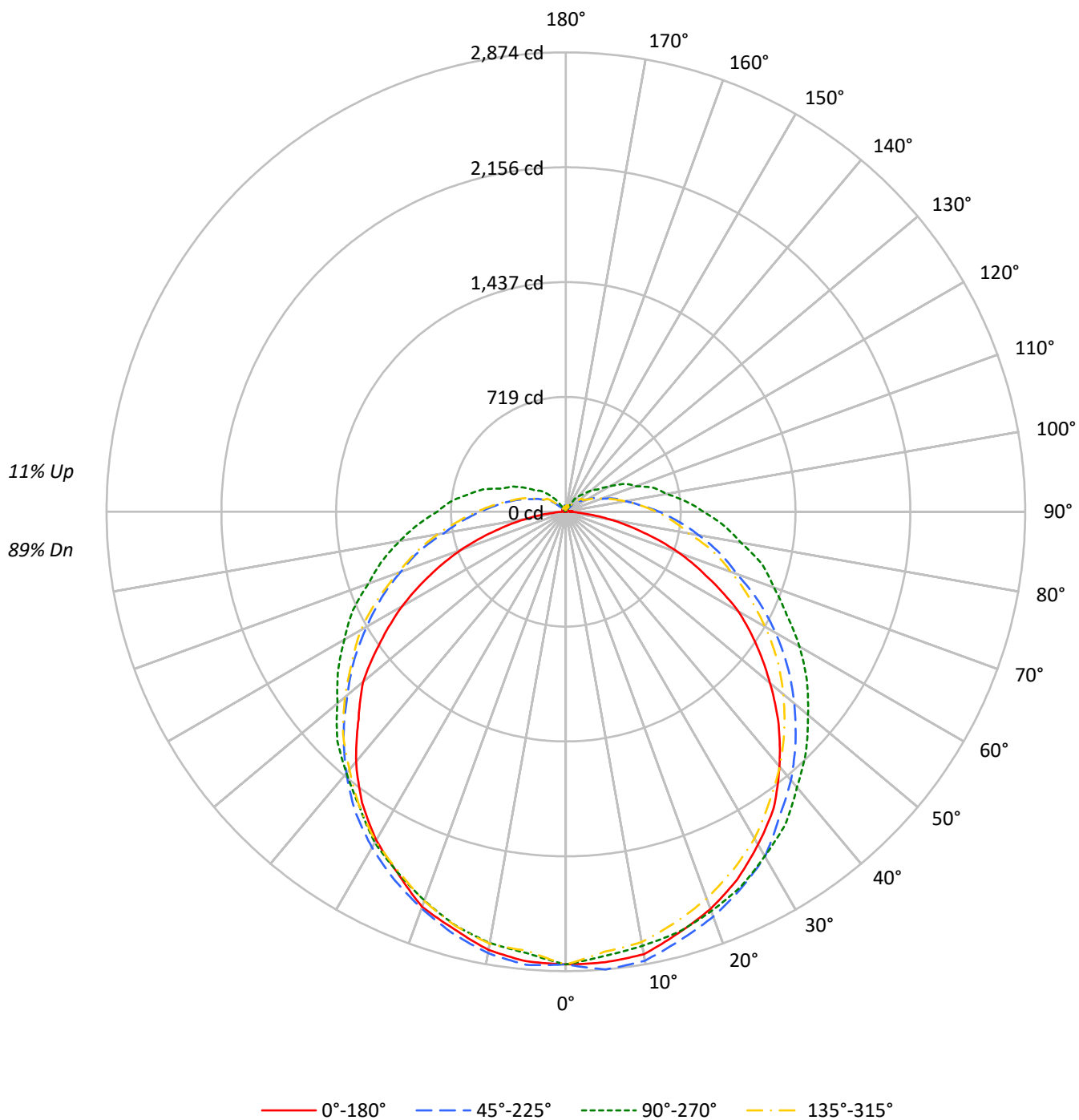
Lumens per Lamp: N/A
Luminaire Lumens: 10692.0 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.21' x L: 7.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 86
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

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CATALOG NUMBER: 8SLSTPSLC-HI-5000K

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
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°	17888	17888	17888	17888
5°	17898	16261	17863	16165
10°	17945	15039	17773	14939
15°	17714	14042	17551	13815
20°	17611	13110	17509	12756
25°	17471	12306	17159	11837
30°	17275	11507	17041	11056
35°	17160	10849	16829	10213
40°	16774	10090	16473	9573
45°	16385	9490	15957	9036
50°	15884	8870	15780	8367
55°	15461	8349	14987	7893
60°	15060	7809	14282	7404
65°	13972	7246	13236	7004
70°	13008	6830	12027	6480
75°	11200	6559	10029	6139
80°	9024	6062	7802	5755
85°	5168	5786	4524	5420

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16385 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.9	2.5
10°-20°	768.8	7.2
20°-30°	1171.6	11.0
30°-40°	1433.1	13.4
40°-50°	1526.6	14.3
50°-60°	1456.8	13.6
60°-70°	1253.7	11.7
70°-80°	965.5	9.0
80°-90°	674.1	6.3
90°-100°	458.9	4.3
100°-110°	305.4	2.9
110°-120°	191.6	1.8
120°-130°	113.7	1.1
130°-140°	59.0	0.6
140°-150°	23.2	0.2
150°-160°	12.7	0.1
160°-170°	7.5	0.1
170°-180°	1.9	0.0
0°-30°	2208.2	20.7
0°-40°	3641.3	34.1
0°-60°	6624.8	62.0
0°-90°	9518.1	89.0
90°-120°	955.9	8.9
90°-150°	1151.7	10.8
90°-180°	1174.0	11.0
0°-180°	10692.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2832	2832	2832	2832	2832	
5°	2829	2788	2823	2772	2829	269
15°	2728	2722	2703	2678	2728	771
25°	2538	2589	2492	2490	2538	1169
35°	2267	2392	2223	2252	2267	1413
45°	1883	2124	1834	2023	1883	1451
55°	1457	1841	1413	1740	1457	1305
65°	988	1524	936	1473	988	985
75°	505	1272	452	1190	505	541
85°	93	992	82	930	93	124
90°	23	862	9	804	23	25
95°	41	752	1	724	41	14
105°	5	574	12	538	5	6
115°	10	414	20	372	10	12
125°	14	243	11	231	14	12
135°	18	155	10	153	18	12
145°	15	101	15	12	15	8
155°	10	7	5	21	10	4
165°	12	28	16	36	12	3
175°	17	8	9	23	17	1
180°	17	17	17	17	17	

TEST NUMBER: P995682

CATALOG NUMBER: 8SLSTPSLC-HI-5000K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6
5°	2829.0	2853.6	2782.5	2874.4	2865.2	2833.3	2788.5	2800.9	2808.9	2763.4	2821.0
10°	2810.6	2806.5	2746.9	2851.2	2828.5	2800.9	2757.8	2781.3	2770.2	2733.4	2794.6
15°	2727.8	2762.9	2713.8	2773.3	2775.7	2767.7	2722.3	2719.4	2709.4	2658.6	2731.5
20°	2645.1	2665.4	2632.3	2695.9	2711.9	2713.1	2659.8	2651.1	2631.0	2574.7	2619.4
25°	2537.7	2556.8	2528.5	2597.9	2602.3	2609.5	2588.7	2534.8	2535.2	2473.3	2502.1
30°	2404.8	2424.9	2399.3	2491.7	2500.9	2499.2	2488.1	2453.7	2435.3	2360.6	2391.3
35°	2266.7	2269.8	2289.0	2328.6	2369.8	2394.2	2391.8	2343.4	2313.9	2219.0	2212.3
40°	2079.7	2090.8	2127.6	2191.9	2221.5	2245.9	2250.2	2221.5	2166.3	2082.1	2056.0
45°	1883.0	1895.8	1968.9	2032.5	2080.9	2130.7	2124.4	2084.8	2035.6	1933.3	1881.8
50°	1667.7	1694.0	1782.3	1865.8	1935.0	1964.5	1978.1	1944.9	1878.6	1776.3	1673.2
55°	1457.4	1481.4	1603.3	1695.2	1766.4	1830.7	1840.6	1791.5	1715.6	1614.9	1478.2
60°	1247.2	1268.5	1380.7	1515.0	1602.8	1682.4	1688.5	1658.5	1537.7	1439.0	1299.2
65°	988.3	1073.0	1189.6	1333.1	1434.2	1550.6	1524.2	1497.8	1401.5	1264.4	1095.0
70°	756.0	838.1	987.1	1138.5	1297.5	1385.1	1385.8	1363.5	1260.0	1099.4	928.3
75°	504.7	637.0	814.4	996.3	1148.5	1239.7	1271.6	1221.3	1090.2	951.0	741.3
80°	285.7	400.9	637.7	844.8	993.4	1081.0	1111.7	1086.5	944.8	780.5	599.8
85°	93.1	276.5	491.9	707.7	867.6	975.0	992.2	933.9	839.3	674.5	444.0
90°	22.7	158.7	371.6	584.3	735.2	832.7	861.5	830.1	722.9	564.2	340.9
95°	41.1	112.7	292.5	466.7	633.9	713.0	752.4	732.6	619.4	466.0	280.9
100°	3.1	46.7	215.3	379.6	531.5	616.2	640.2	635.3	532.7	375.2	203.5
105°	4.8	66.3	149.5	318.9	436.0	543.9	573.9	531.5	435.2	302.2	134.3
110°	9.9	34.4	99.9	234.2	372.8	450.7	467.9	448.8	367.3	242.2	114.0
115°	10.4	28.3	100.6	202.3	286.5	368.0	414.0	348.1	275.8	196.2	103.5
120°	17.7	30.0	77.9	156.3	249.4	264.9	319.4	295.6	225.7	152.2	85.2
125°	13.5	25.6	73.5	121.9	175.9	232.5	242.9	234.9	193.1	129.4	61.9
130°	9.2	30.7	49.1	91.5	162.6	206.6	207.8	193.8	153.9	127.5	33.1
135°	17.7	27.1	37.5	73.1	134.3	153.9	155.1	157.0	128.7	93.9	26.4
140°	20.3	25.2	26.4	36.3	87.1	120.2	128.2	109.8	112.3	55.2	29.5
145°	15.2	29.5	43.5	24.0	45.5	93.9	100.6	105.5	69.9	18.4	39.2
150°	0.0	26.4	49.1	30.0	27.6	20.8	30.7	27.6	16.0	34.4	52.7
155°	10.4	9.2	41.6	30.0	33.1	14.8	7.3	24.4	22.7	36.3	41.1
160°	11.1	11.6	16.0	19.1	34.4	34.8	38.7	55.2	35.6	41.6	16.0
165°	12.3	21.5	13.5	17.7	38.0	20.3	28.3	44.0	28.8	16.0	29.5
170°	12.3	23.2	4.8	6.8	19.1	14.0	34.8	22.7	31.2	20.3	14.0
175°	17.2	24.0	17.2	15.2	31.9	25.6	8.5	1.9	18.4	39.9	0.0
180°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4

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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6	2831.6
5°	2794.1	2823.4	2848.1	2803.3	2845.6	2850.5	2846.9	2772.1	2806.9	2801.4	2757.3
10°	2779.4	2783.7	2797.0	2748.6	2803.8	2810.1	2818.1	2739.4	2767.7	2776.9	2744.5
15°	2692.3	2702.7	2742.6	2681.4	2731.5	2745.7	2745.7	2678.2	2713.8	2695.4	2679.9
20°	2635.9	2629.8	2647.0	2602.3	2640.2	2645.8	2678.7	2588.0	2647.0	2641.5	2591.6
25°	2508.4	2492.4	2508.4	2508.4	2540.3	2560.4	2586.3	2490.0	2556.3	2538.4	2480.1
30°	2391.8	2372.2	2377.7	2386.5	2425.6	2436.5	2486.4	2390.6	2448.9	2428.1	2380.2
35°	2236.2	2223.1	2219.0	2255.1	2295.5	2303.0	2355.0	2251.5	2325.0	2285.8	2251.5
40°	2042.4	2042.4	2050.9	2104.4	2136.3	2179.1	2235.0	2134.8	2198.0	2157.6	2105.6
45°	1871.4	1833.9	1829.5	1917.3	1966.9	2020.4	2076.0	2022.8	2062.0	2003.7	1971.8
50°	1654.8	1656.8	1623.6	1706.9	1783.5	1862.7	1917.8	1865.8	1910.6	1870.2	1802.7
55°	1438.3	1412.7	1404.2	1523.7	1617.3	1722.3	1759.1	1740.0	1761.5	1737.1	1631.6
60°	1211.6	1182.8	1204.8	1334.3	1437.8	1562.9	1615.6	1600.9	1581.8	1546.9	1481.9
65°	993.4	936.3	988.3	1136.1	1271.6	1395.0	1453.1	1473.4	1449.4	1399.1	1299.2
70°	749.3	699.0	770.1	927.6	1099.4	1225.6	1294.4	1314.7	1300.4	1233.6	1114.6
75°	534.0	451.9	561.5	757.7	949.1	1071.0	1157.7	1190.1	1155.7	1103.7	965.1
80°	364.1	247.0	376.0	591.0	775.6	937.5	1017.1	1055.3	1024.6	936.8	813.6
85°	233.7	81.5	233.0	439.1	648.6	811.7	890.3	929.5	900.7	824.8	672.1
90°	126.3	9.2	149.5	342.8	533.5	677.4	787.3	804.4	781.2	686.6	554.3
95°	87.1	0.7	86.4	240.2	439.6	586.7	673.8	724.1	691.0	593.5	456.8
100°	54.0	22.0	54.0	190.6	363.6	496.7	574.6	620.6	583.8	493.1	368.0
105°	47.9	11.6	50.3	155.1	295.6	402.3	488.7	538.3	499.6	424.8	309.7
110°	35.6	5.6	25.6	115.2	231.0	356.9	404.0	422.4	419.3	346.5	249.0
115°	28.8	20.3	0.0	101.9	189.4	283.8	325.6	371.6	352.0	277.3	177.8
120°	22.0	25.6	24.0	57.1	138.6	231.0	266.6	302.9	266.6	237.3	152.2
125°	33.6	11.1	39.9	17.7	127.0	199.4	231.0	230.6	232.5	191.9	142.3
130°	20.3	3.1	42.3	9.9	56.4	145.4	183.4	203.5	191.4	155.8	84.0
135°	25.6	10.4	25.2	30.0	24.4	91.5	161.9	152.7	162.6	115.2	16.0
140°	10.4	8.5	27.6	25.2	18.4	14.0	44.8	98.0	59.5	1.9	11.6
145°	37.5	14.8	34.4	46.0	24.0	31.9	25.6	12.3	30.0	0.7	3.6
150°	28.8	0.0	23.2	48.4	27.6	13.5	5.6	4.8	0.0	11.1	23.2
155°	26.4	4.8	43.5	45.5	28.8	53.2	33.1	20.8	33.6	38.7	30.0
160°	28.8	14.0	22.7	39.9	42.3	37.5	46.0	40.4	31.9	37.5	30.7
165°	36.8	16.5	11.6	36.3	34.4	34.4	29.5	36.3	26.4	34.4	12.3
170°	20.3	20.3	34.8	20.3	40.4	31.9	39.9	22.7	22.0	19.1	22.7
175°	14.8	9.2	22.0	16.5	24.0	19.6	28.3	23.2	25.2	17.7	36.3
180°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4

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CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2831.6	2831.6	2831.6
5°	2832.1	2806.5	2829.0
10°	2781.3	2781.3	2810.6
15°	2715.0	2738.2	2727.8
20°	2640.2	2648.2	2645.1
25°	2542.0	2542.0	2537.7
30°	2412.6	2418.9	2404.8
35°	2280.2	2274.2	2266.7
40°	2097.6	2101.9	2079.7
45°	1930.9	1933.8	1883.0
50°	1741.9	1725.5	1667.7
55°	1543.3	1513.8	1457.4
60°	1353.9	1272.3	1247.2
65°	1166.1	1057.0	988.3
70°	966.3	849.2	756.0
75°	774.9	603.9	504.7
80°	613.1	423.6	285.7
85°	480.7	250.2	93.1
90°	370.9	160.6	22.7
95°	275.3	81.0	41.1
100°	204.2	52.0	3.1
105°	149.0	47.9	4.8
110°	109.8	29.5	9.9
115°	106.7	33.6	10.4
120°	68.0	28.3	17.7
125°	21.5	41.1	13.5
130°	6.0	10.4	9.2
135°	33.6	24.0	17.7
140°	34.4	22.0	20.3
145°	31.2	36.8	15.2
150°	21.5	31.9	0.0
155°	34.4	22.7	10.4
160°	17.7	16.0	11.1
165°	28.8	23.2	12.3
170°	29.5	13.5	12.3
175°	8.5	11.6	17.2
180°	17.4	17.4	17.4

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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	17.45	18.92	17.97	19.45	20.02	20.58	22.06	21.11	22.59	23.16
	3H	18.83	20.18	19.36	20.71	21.33	23.32	24.67	23.85	25.20	25.82
	4H	19.24	20.53	19.80	21.08	21.70	24.70	25.98	25.25	26.53	27.15
	6H	19.47	20.66	20.03	21.22	21.87	26.14	27.34	26.71	27.90	28.55
	8H	19.50	20.65	20.08	21.24	21.88	26.91	28.05	27.49	28.64	29.29
	12H	19.51	20.61	20.09	21.19	21.86	27.76	28.86	28.35	29.44	30.12
4H	2H	18.44	19.72	19.00	20.27	20.90	20.89	22.17	21.45	22.73	23.35
	3H	20.06	21.16	20.63	21.75	22.40	23.82	24.92	24.39	25.51	26.16
	4H	20.61	21.62	21.20	22.22	22.90	25.34	26.35	25.92	26.94	27.62
	6H	20.95	21.84	21.55	22.46	23.15	26.96	27.85	27.57	28.48	29.17
	8H	21.02	21.86	21.63	22.49	23.19	27.82	28.66	28.44	29.29	29.99
	12H	21.05	21.82	21.69	22.47	23.18	28.79	29.56	29.43	30.21	30.92
8H	4H	21.42	22.26	22.03	22.88	23.59	25.48	26.32	26.09	26.94	27.64
	6H	21.95	22.67	22.60	23.33	24.04	27.23	27.95	27.88	28.61	29.32
	8H	22.12	22.77	22.78	23.44	24.16	28.21	28.86	28.86	29.53	30.25
	12H	22.23	22.81	22.88	23.47	24.25	29.34	29.92	30.00	30.58	31.36
12H	4H	21.65	22.42	22.29	23.07	23.78	25.47	26.24	26.11	26.89	27.60
	6H	22.31	22.96	22.96	23.63	24.35	27.25	27.90	27.90	28.57	29.29
	8H	22.58	23.16	23.24	23.82	24.61	28.28	28.86	28.94	29.52	30.31