

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: P995681

Luminaire Tested: 8SLSTPSLC-HI-4000K

Issue Date: 6/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P995681
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-4000K
Description: 8' Selectable CCT and Lumen LED Striplight
Light Source: -
Ballast/Driver: -

Summary

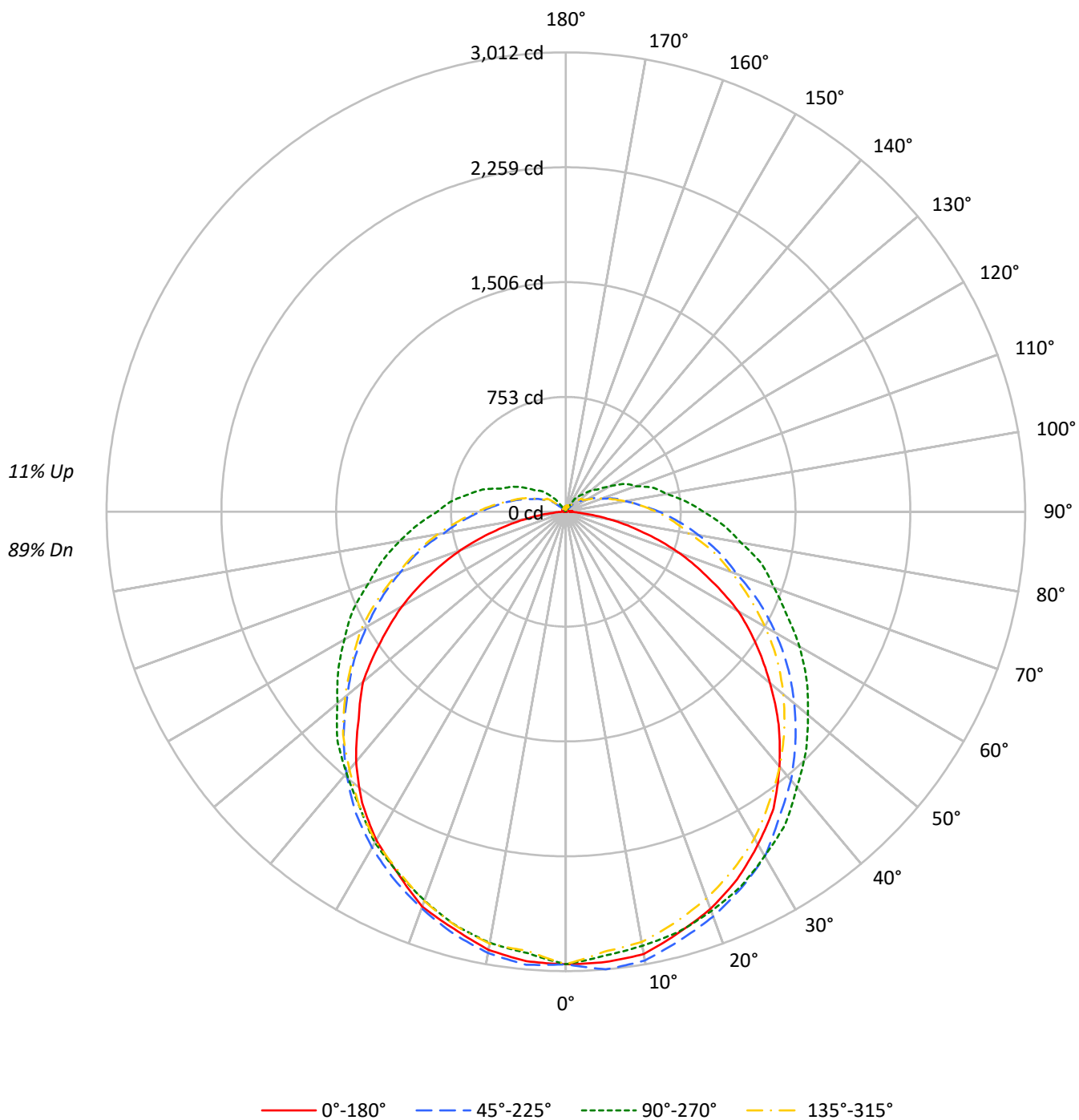
Lumens per Lamp: N/A
Luminaire Lumens: 11202.0 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.28 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.21' x L: 7.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 84
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-4000K

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°	18742	18742	18742	18742
5°	18752	17037	18715	16936
10°	18800	15757	18621	15652
15°	18558	14712	18388	14474
20°	18451	13735	18345	13364
25°	18304	12893	17978	12402
30°	18099	12055	17854	11583
35°	17978	11367	17633	10700
40°	17574	10572	17259	10030
45°	17166	9943	16718	9467
50°	16641	9293	16532	8766
55°	16198	8747	15701	8269
60°	15779	8181	14963	7756
65°	14637	7591	13868	7338
70°	13629	7156	12600	6789
75°	11735	6872	10508	6431
80°	9457	6351	8175	6030
85°	5417	6062	4740	5679

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17166 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.7	2.5
10°-20°	805.4	7.2
20°-30°	1227.5	11.0
30°-40°	1501.5	13.4
40°-50°	1599.4	14.3
50°-60°	1526.3	13.6
60°-70°	1313.5	11.7
70°-80°	1011.6	9.0
80°-90°	706.2	6.3
90°-100°	480.8	4.3
100°-110°	320.0	2.9
110°-120°	200.7	1.8
120°-130°	119.1	1.1
130°-140°	61.8	0.6
140°-150°	24.3	0.2
150°-160°	13.3	0.1
160°-170°	7.9	0.1
170°-180°	2.0	0.0
0°-30°	2313.6	20.7
0°-40°	3815.0	34.1
0°-60°	6940.8	62.0
0°-90°	9972.1	89.0
90°-120°	1001.5	8.9
90°-150°	1206.7	10.8
90°-180°	1230.0	11.0
0°-180°	11202.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2967	2967	2967	2967	2967	
5°	2964	2922	2958	2904	2964	282
15°	2858	2852	2832	2806	2858	808
25°	2659	2712	2611	2609	2659	1225
35°	2375	2506	2329	2359	2375	1480
45°	1973	2226	1921	2119	1973	1520
55°	1527	1928	1480	1823	1527	1367
65°	1035	1597	981	1544	1035	1032
75°	529	1332	474	1247	529	567
85°	98	1040	85	974	98	130
90°	24	903	10	843	24	26
95°	43	788	1	759	43	15
105°	5	601	12	564	5	6
115°	11	434	21	389	11	13
125°	14	254	12	242	14	13
135°	18	162	11	160	18	13
145°	16	105	16	13	16	9
155°	11	8	5	22	11	4
165°	13	30	17	38	13	4
175°	18	9	10	24	18	2
180°	18	18	18	18	18	

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CATALOG NUMBER: 8SLSTPSLC-HI-4000K

CANDELA DISTRIBUTION (FULL):

	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°	150°
0°	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7
5°	2963.9	2989.7	2915.2	3011.5	3001.9	2968.5	2921.6	2934.5	2942.9	2895.2	2955.5
10°	2944.6	2940.3	2878.0	2987.2	2963.4	2934.5	2889.4	2914.0	2902.3	2863.8	2927.9
15°	2857.9	2894.7	2843.2	2905.6	2908.1	2899.8	2852.1	2849.1	2838.7	2785.4	2861.7
20°	2771.2	2792.5	2757.8	2824.5	2841.2	2842.5	2786.7	2777.6	2756.5	2697.5	2744.4
25°	2658.7	2678.7	2649.1	2721.8	2726.4	2734.0	2712.2	2655.7	2656.2	2591.3	2621.4
30°	2519.5	2540.6	2513.7	2610.5	2620.2	2618.4	2606.7	2570.8	2551.5	2473.2	2505.4
35°	2374.8	2378.1	2398.1	2439.7	2482.8	2508.4	2505.9	2455.2	2424.2	2324.9	2317.8
40°	2178.9	2190.5	2229.1	2296.5	2327.4	2353.0	2357.6	2327.4	2269.6	2181.4	2154.0
45°	1972.8	1986.2	2062.8	2129.4	2180.1	2232.4	2225.8	2184.2	2132.7	2025.5	1971.5
50°	1747.2	1774.8	1867.4	1954.8	2027.3	2058.2	2072.4	2037.7	1968.2	1861.0	1753.0
55°	1526.9	1552.0	1679.8	1776.1	1850.6	1918.1	1928.4	1877.0	1797.4	1692.0	1548.7
60°	1306.7	1329.0	1446.6	1587.3	1679.3	1762.7	1769.0	1737.6	1611.1	1507.7	1361.2
65°	1035.4	1124.2	1246.3	1396.7	1502.6	1624.5	1596.9	1569.3	1468.4	1324.7	1147.2
70°	792.1	878.0	1034.2	1192.9	1359.4	1451.1	1451.9	1428.6	1320.1	1151.8	972.6
75°	528.8	667.4	853.2	1043.8	1203.2	1298.8	1332.3	1279.5	1142.2	996.4	776.6
80°	299.4	420.0	668.2	885.1	1040.8	1132.5	1164.7	1138.4	989.8	817.7	628.4
85°	97.6	289.7	515.3	741.4	909.0	1021.5	1039.5	978.4	879.3	706.7	465.1
90°	23.8	166.3	389.3	612.1	770.3	872.5	902.6	869.7	757.4	591.1	357.1
95°	43.1	118.1	306.5	489.0	664.1	747.0	788.3	767.5	648.9	488.2	294.3
100°	3.3	48.9	225.6	397.7	556.9	645.6	670.7	665.6	558.2	393.1	213.2
105°	5.1	69.5	156.6	334.1	456.8	569.8	601.2	556.9	456.0	316.6	140.7
110°	10.4	36.0	104.7	245.4	390.6	472.2	490.2	470.2	384.8	253.7	119.4
115°	10.9	29.7	105.4	211.9	300.1	385.5	433.7	364.8	289.0	205.6	108.5
120°	18.5	31.4	81.6	163.7	261.3	277.6	334.6	309.7	236.5	159.4	89.2
125°	14.2	26.9	77.1	127.8	184.3	243.6	254.5	246.1	202.3	135.6	64.9
130°	9.6	32.2	51.5	95.8	170.3	216.5	217.7	203.0	161.2	133.6	34.7
135°	18.5	28.4	39.3	76.5	140.7	161.2	162.5	164.5	134.8	98.3	27.6
140°	21.3	26.4	27.6	38.0	91.3	126.0	134.3	115.1	117.6	57.8	30.9
145°	16.0	30.9	45.6	25.1	47.7	98.3	105.4	110.5	73.3	19.3	41.1
150°	0.0	27.6	51.5	31.4	28.9	21.8	32.2	28.9	16.7	36.0	55.3
155°	10.9	9.6	43.6	31.4	34.7	15.5	7.6	25.6	23.8	38.0	43.1
160°	11.7	12.2	16.7	20.0	36.0	36.5	40.6	57.8	37.3	43.6	16.7
165°	12.9	22.6	14.2	18.5	39.8	21.3	29.7	46.1	30.2	16.7	30.9
170°	12.9	24.3	5.1	7.1	20.0	14.7	36.5	23.8	32.7	21.3	14.7
175°	18.0	25.1	18.0	16.0	33.5	26.9	8.9	2.0	19.3	41.8	0.0
180°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3

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CANDELA DISTRIBUTION (continued):

	165°	180°	195°	210°	225°	240°	255°	270°	285°	300°	315°
0°	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7	2966.7
5°	2927.4	2958.1	2983.9	2937.0	2981.4	2986.5	2982.6	2904.3	2940.8	2935.0	2888.9
10°	2911.9	2916.5	2930.4	2879.7	2937.5	2944.1	2952.5	2870.1	2899.8	2909.4	2875.4
15°	2820.7	2831.6	2873.4	2809.3	2861.7	2876.7	2876.7	2806.0	2843.2	2824.0	2807.8
20°	2761.6	2755.3	2773.3	2726.4	2766.2	2772.0	2806.5	2711.4	2773.3	2767.4	2715.2
25°	2628.0	2611.3	2628.0	2628.0	2661.5	2682.5	2709.7	2608.8	2678.2	2659.5	2598.4
30°	2505.9	2485.3	2491.2	2500.3	2541.3	2552.8	2605.0	2504.6	2565.7	2543.9	2493.7
35°	2342.9	2329.2	2324.9	2362.6	2405.0	2412.8	2467.3	2358.8	2435.9	2394.8	2358.8
40°	2139.8	2139.8	2148.7	2204.7	2238.2	2283.1	2341.6	2236.7	2302.8	2260.5	2206.0
45°	1960.6	1921.3	1916.8	2008.8	2060.8	2116.8	2175.1	2119.3	2160.4	2099.3	2065.8
50°	1733.8	1735.8	1701.1	1788.3	1868.6	1951.5	2009.3	1954.8	2001.7	1959.4	1888.6
55°	1506.9	1480.0	1471.2	1596.4	1694.5	1804.5	1843.0	1823.0	1845.6	1820.0	1709.4
60°	1269.4	1239.2	1262.3	1397.9	1506.4	1637.5	1692.7	1677.2	1657.2	1620.7	1552.5
65°	1040.8	981.0	1035.4	1190.3	1332.3	1461.5	1522.4	1543.7	1518.6	1465.9	1361.2
70°	785.0	732.3	806.8	971.8	1151.8	1284.1	1356.1	1377.4	1362.4	1292.5	1167.8
75°	559.4	473.5	588.3	793.9	994.4	1122.1	1212.9	1246.8	1210.9	1156.4	1011.1
80°	381.5	258.8	393.9	619.2	812.6	982.2	1065.6	1105.7	1073.5	981.5	852.4
85°	244.9	85.4	244.1	460.1	679.6	850.4	932.8	973.9	943.7	864.1	704.2
90°	132.3	9.6	156.6	359.2	558.9	709.7	824.8	842.8	818.5	719.4	580.7
95°	91.3	0.8	90.5	251.7	460.6	614.7	705.9	758.7	723.9	621.8	478.6
100°	56.5	23.1	56.5	199.7	381.0	520.4	602.0	650.2	611.6	516.6	385.5
105°	50.2	12.2	52.7	162.5	309.7	421.5	512.0	564.0	523.4	445.1	324.4
110°	37.3	5.8	26.9	120.7	242.1	373.9	423.3	442.6	439.3	363.0	260.8
115°	30.2	21.3	0.0	106.7	198.5	297.3	341.2	389.3	368.8	290.5	186.3
120°	23.1	26.9	25.1	59.8	145.2	242.1	279.3	317.4	279.3	248.7	159.4
125°	35.2	11.7	41.8	18.5	133.1	208.9	242.1	241.6	243.6	201.0	149.0
130°	21.3	3.3	44.4	10.4	59.1	152.3	192.1	213.2	200.5	163.2	88.0
135°	26.9	10.9	26.4	31.4	25.6	95.8	169.6	159.9	170.3	120.7	16.7
140°	10.9	8.9	28.9	26.4	19.3	14.7	46.9	102.7	62.4	2.0	12.2
145°	39.3	15.5	36.0	48.2	25.1	33.5	26.9	12.9	31.4	0.8	3.8
150°	30.2	0.0	24.3	50.7	28.9	14.2	5.8	5.1	0.0	11.7	24.3
155°	27.6	5.1	45.6	47.7	30.2	55.8	34.7	21.8	35.2	40.6	31.4
160°	30.2	14.7	23.8	41.8	44.4	39.3	48.2	42.3	33.5	39.3	32.2
165°	38.5	17.2	12.2	38.0	36.0	36.0	30.9	38.0	27.6	36.0	12.9
170°	21.3	21.3	36.5	21.3	42.3	33.5	41.8	23.8	23.1	20.0	23.8
175°	15.5	9.6	23.1	17.2	25.1	20.5	29.7	24.3	26.4	18.5	38.0
180°	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3

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CANDELA DISTRIBUTION (continued):

	330°	345°	360°
0°	2966.7	2966.7	2966.7
5°	2967.2	2940.3	2963.9
10°	2914.0	2914.0	2944.6
15°	2844.5	2868.8	2857.9
20°	2766.2	2774.5	2771.2
25°	2663.3	2663.3	2658.7
30°	2527.7	2534.3	2519.5
35°	2389.0	2382.7	2374.8
40°	2197.6	2202.2	2178.9
45°	2023.0	2026.0	1972.8
50°	1825.0	1807.8	1747.2
55°	1616.9	1586.0	1526.9
60°	1418.5	1333.0	1306.7
65°	1221.8	1107.4	1035.4
70°	1012.4	889.7	792.1
75°	811.9	632.7	528.8
80°	642.3	443.8	299.4
85°	503.7	262.1	97.6
90°	388.6	168.3	23.8
95°	288.5	84.9	43.1
100°	213.9	54.5	3.3
105°	156.1	50.2	5.1
110°	115.1	30.9	10.4
115°	111.8	35.2	10.9
120°	71.2	29.7	18.5
125°	22.6	43.1	14.2
130°	6.3	10.9	9.6
135°	35.2	25.1	18.5
140°	36.0	23.1	21.3
145°	32.7	38.5	16.0
150°	22.6	33.5	0.0
155°	36.0	23.8	10.9
160°	18.5	16.7	11.7
165°	30.2	24.3	12.9
170°	30.9	14.2	12.9
175°	8.9	12.2	18.0
180°	18.3	18.3	18.3

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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	17.61	19.09	18.13	19.61	20.19	20.75	22.23	21.27	22.75	23.33
	3H	18.99	20.34	19.53	20.88	21.49	23.48	24.83	24.01	25.36	25.98
	4H	19.40	20.69	19.96	21.24	21.86	24.86	26.14	25.41	26.69	27.32
	6H	19.63	20.82	20.20	21.39	22.03	26.31	27.50	26.88	28.07	28.71
	8H	19.66	20.81	20.25	21.40	22.04	27.07	28.22	27.65	28.80	29.45
	12H	19.67	20.77	20.26	21.35	22.03	27.92	29.02	28.51	29.60	30.28
4H	2H	18.60	19.88	19.16	20.43	21.06	21.05	22.34	21.61	22.89	23.51
	3H	20.22	21.32	20.79	21.91	22.56	23.98	25.08	24.55	25.67	26.32
	4H	20.77	21.78	21.36	22.38	23.06	25.50	26.51	26.09	27.11	27.78
	6H	21.11	22.00	21.72	22.63	23.31	27.12	28.02	27.73	28.64	29.33
	8H	21.18	22.02	21.80	22.65	23.35	27.98	28.83	28.60	29.45	30.15
	12H	21.21	21.98	21.85	22.63	23.34	28.95	29.72	29.59	30.37	31.08
8H	4H	21.58	22.42	22.19	23.04	23.75	25.64	26.48	26.25	27.10	27.81
	6H	22.12	22.83	22.76	23.50	24.20	27.39	28.11	28.04	28.78	29.48
	8H	22.29	22.93	22.94	23.61	24.33	28.37	29.02	29.03	29.69	30.41
	12H	22.39	22.97	23.05	23.63	24.41	29.50	30.08	30.16	30.74	31.52
12H	4H	21.82	22.58	22.45	23.23	23.94	25.63	26.40	26.27	27.05	27.76
	6H	22.47	23.12	23.13	23.79	24.51	27.41	28.06	28.07	28.73	29.45
	8H	22.74	23.32	23.40	23.99	24.77	28.44	29.02	29.10	29.68	30.47