

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: PrentaLux

Report Number: P979238

Luminaire Tested: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979238
TEST IS SCALED FROM (LM79-2019)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 4/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, MEDIUM OPTIC
1000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

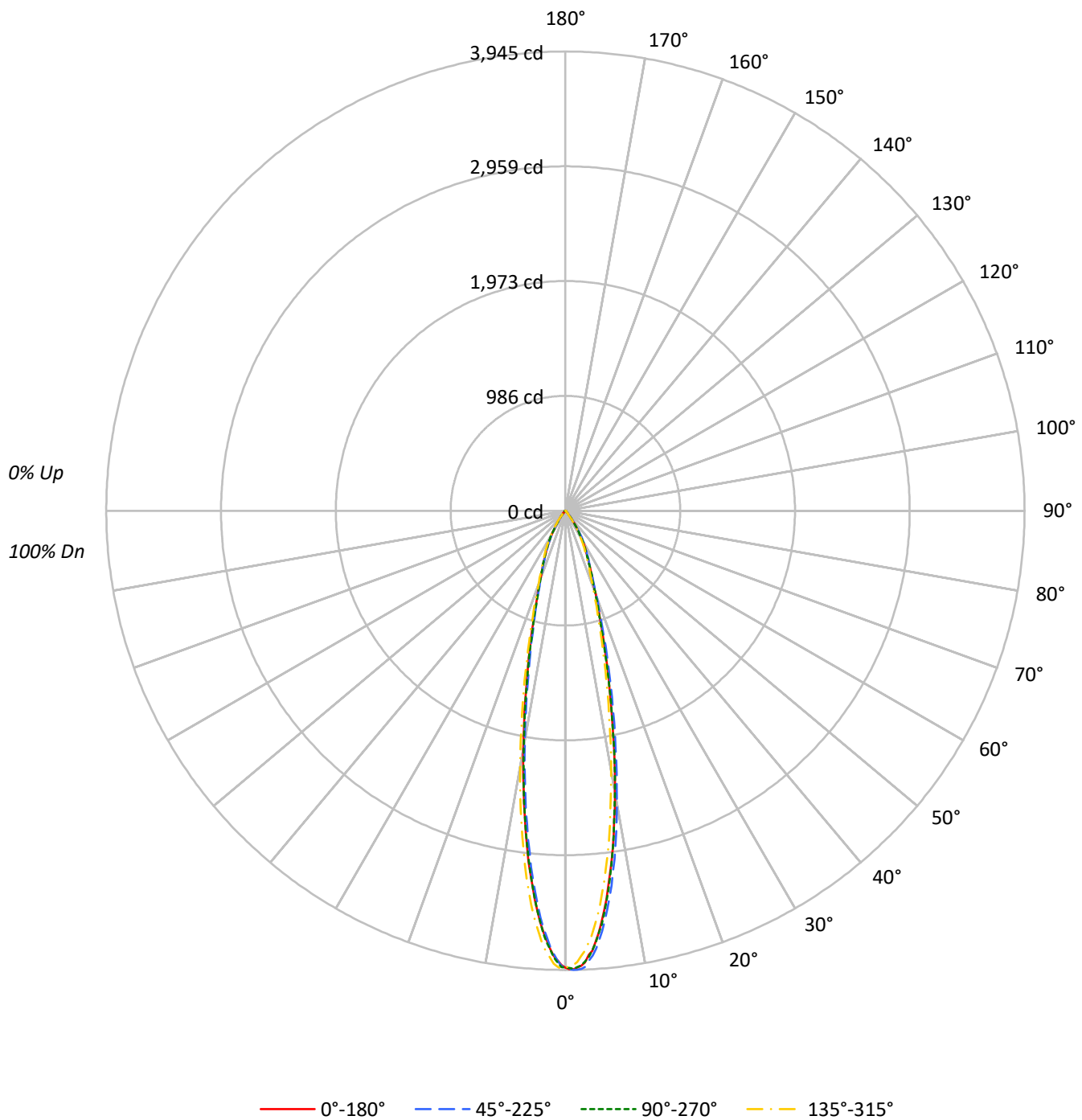
Lumens per Lamp: N/A
Luminaire Lumens: 945.7 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

Input Watts (W): 9.5
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: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

Luminous Intensity Polar Plot



TEST NUMBER: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	112	110	108	112	110	108	107	106	105	103		102	101	100		99
2	110	106	103	100	108	105	102	99	101	99	97		99	97	95		96
3	106	101	97	94	104	100	96	93	97	94	92		95	92	90		93
4	102	96	92	89	101	95	91	88	93	90	87		91	89	86		90
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		87
6	95	89	84	81	94	88	83	80	86	83	80		85	82	79		84
7	92	85	81	77	91	85	80	77	83	80	77		82	79	76		81
8	89	82	77	74	88	82	77	74	81	77	74		80	76	74		79
9	87	79	75	72	86	79	74	72	78	74	71		77	74	71		76
10	84	77	72	69	83	76	72	69	76	72	69		75	71	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	1219469	1219469	1219469	1219469
5°	1108422	1114162	1012557	1011902
10°	773295	773074	658744	650729
15°	446375	443897	366327	360633
20°	250650	247145	210501	209410
25°	159002	156396	135754	138703
30°	103815	101482	81602	84473
35°	52658	48751	35396	36497
40°	18418	16187	12454	12333
45°	7120	6461	5801	5713
50°	4690	4400	4255	4255
55°	4118	3793	3739	3901
60°	4040	3667	3543	3854
65°	4191	3677	3456	3897
70°	4452	3816	3453	4089
75°	4923	4082	3482	4323
80°	5369	3937	2327	3579
85°	1426	1426	1070	1070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7120 cd/sqm

TEST NUMBER: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.6	30.3
10°-20°	354.4	37.5
20°-30°	199.9	21.1
30°-40°	76.1	8.0
40°-50°	12.7	1.3
50°-60°	6.5	0.7
60°-70°	5.2	0.5
70°-80°	3.7	0.4
80°-90°	0.6	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	840.9	88.9
0°-40°	917.0	97.0
0°-60°	936.2	99.0
0°-90°	945.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	945.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3924	3924	3924	3924	3924	
5°	3553	3572	3246	3244	3552	302
15°	1387	1380	1139	1121	1391	388
25°	464	456	396	404	464	217
35°	139	128	93	96	138	90
45°	16	15	13	13	16	15
55°	8	7	7	7	8	7
65°	6	5	5	5	6	6
75°	4	3	3	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	3924.0	3924.0	3924.0	3924.0	3924.0	3924.0	3924.0	3924.0	3924.0	3924.0	3924.0
0.5°	3939.5	3945.1	3939.5	3926.1	3928.2	3914.1	3913.4	3908.5	3903.5	3897.9	3910.6
1°	3938.1	3955.0	3945.1	3938.1	3935.2	3915.5	3902.1	3885.2	3861.2	3854.2	3864.7
1.5°	3927.5	3947.9	3945.1	3944.4	3922.6	3899.3	3877.4	3839.4	3826.0	3804.8	3806.9
2°	3913.4	3932.4	3937.4	3920.4	3909.9	3868.3	3827.4	3796.4	3768.9	3745.6	3748.4
2.5°	3884.5	3909.9	3919.0	3904.2	3876.7	3835.1	3788.6	3736.4	3697.0	3679.3	3666.6
3°	3820.3	3865.5	3871.1	3858.4	3839.4	3788.6	3728.7	3672.3	3622.9	3591.2	3589.1
3.5°	3786.5	3811.9	3828.1	3814.0	3783.0	3720.2	3661.0	3595.4	3547.5	3520.7	3501.7
4°	3708.2	3757.6	3771.0	3751.2	3720.9	3661.0	3578.5	3508.7	3446.7	3403.0	3397.3
4.5°	3636.3	3683.6	3699.1	3687.1	3642.0	3576.4	3491.8	3426.2	3354.3	3309.9	3290.2
5°	3553.1	3604.6	3625.1	3610.2	3571.5	3486.2	3404.4	3322.6	3245.8	3207.7	3183.7
5.5°	3460.1	3517.9	3539.7	3515.8	3467.1	3394.5	3294.4	3211.2	3138.6	3080.8	3071.6
6°	3357.9	3424.8	3443.2	3428.4	3374.1	3289.5	3196.4	3107.6	3025.8	2977.2	2950.4
6.5°	3254.2	3329.0	3347.3	3326.1	3269.7	3180.9	3083.6	2994.1	2907.4	2852.4	2836.2
7°	3149.2	3214.0	3245.1	3221.1	3154.1	3073.0	2970.1	2877.1	2787.5	2735.4	2713.5
7.5°	3035.7	3111.8	3131.6	3105.5	3047.0	2953.2	2856.6	2755.8	2672.6	2612.7	2593.7
8°	2921.5	2996.9	3023.7	2999.0	2930.6	2829.8	2741.0	2633.1	2552.8	2500.6	2476.6
8.5°	2808.0	2879.2	2901.0	2881.3	2814.3	2719.8	2608.5	2518.9	2430.1	2370.9	2346.9
9°	2685.3	2755.8	2792.5	2757.2	2688.1	2602.1	2500.6	2396.3	2313.8	2261.6	2237.6
9.5°	2571.8	2640.2	2669.1	2638.8	2571.1	2478.7	2377.2	2287.0	2198.9	2137.5	2117.1
10°	2450.5	2520.3	2547.8	2522.5	2449.8	2356.8	2258.8	2162.9	2087.5	2031.1	2006.4
10.5°	2330.0	2404.7	2425.9	2399.8	2335.6	2251.0	2150.2	2050.1	1970.4	1912.6	1898.5
11°	2208.7	2275.7	2309.5	2281.3	2205.9	2118.5	2031.8	1940.8	1858.4	1810.4	1790.7
11.5°	2094.5	2167.8	2196.0	2159.4	2092.4	2008.5	1915.5	1830.2	1756.1	1703.3	1682.1
12°	1984.5	2050.1	2071.3	2044.5	1979.6	1897.8	1807.6	1725.1	1647.6	1603.1	1579.9
12.5°	1870.3	1935.9	1962.0	1938.7	1872.5	1792.8	1706.8	1621.5	1561.6	1514.3	1492.5
13°	1769.5	1836.5	1857.6	1828.7	1762.5	1688.4	1610.2	1526.3	1467.8	1419.1	1399.4
13.5°	1670.8	1735.0	1753.3	1722.3	1661.0	1589.8	1513.6	1436.8	1374.7	1337.4	1320.4
14°	1570.7	1629.2	1650.4	1625.0	1567.2	1498.8	1419.8	1350.8	1295.8	1259.8	1238.7
14.5°	1477.7	1527.0	1551.0	1524.2	1467.8	1405.7	1332.4	1266.2	1214.7	1179.4	1161.1
15°	1387.4	1442.4	1461.4	1436.1	1379.7	1320.4	1253.5	1191.4	1138.6	1107.5	1092.0
15.5°	1307.0	1359.9	1371.9	1346.5	1295.8	1235.1	1179.4	1120.2	1073.7	1041.3	1027.2
16°	1225.3	1272.5	1289.4	1264.0	1218.2	1162.5	1106.1	1050.4	1009.5	980.6	966.5
16.5°	1149.8	1192.8	1209.1	1185.8	1142.1	1091.3	1034.9	986.3	950.3	923.5	908.7
17°	1080.7	1123.8	1132.9	1113.9	1073.0	1022.9	970.8	928.5	893.2	869.3	856.6
17.5°	1016.6	1054.0	1064.5	1043.4	1005.3	960.9	917.2	872.8	840.3	817.8	806.5
18°	955.3	989.1	999.0	981.3	944.0	900.3	861.5	822.0	790.3	772.7	764.2
18.5°	899.6	934.1	941.2	925.7	889.7	848.8	808.6	776.2	748.7	733.2	724.7
19°	847.4	878.4	884.1	868.5	839.6	803.7	767.7	734.6	710.6	694.4	686.2
19.5°	801.6	827.7	834.7	819.2	792.4	757.9	725.4	693.5	672.3	659.6	652.5
20°	757.9	781.1	786.1	772.0	747.3	717.0	687.1	658.2	636.5	624.5	620.1
20.5°	717.0	739.5	740.2	730.4	704.3	675.0	649.2	623.8	604.0	594.3	589.0
21°	677.9	697.0	700.8	689.3	667.0	641.4	616.9	592.0	573.4	565.0	561.2
21.5°	642.9	661.0	665.1	652.8	634.5	608.7	584.9	563.5	547.9	538.8	537.0
22°	611.8	629.4	630.0	621.0	602.8	580.2	559.6	536.5	522.7	515.3	512.4

TEST NUMBER: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	583.0	598.7	598.3	590.2	573.6	551.1	532.8	512.0	498.7	492.5	490.1
23°	554.6	571.1	570.1	561.6	545.9	525.1	507.9	488.3	475.0	469.0	468.6
23.5°	530.3	545.2	545.0	535.1	521.4	503.3	483.4	466.7	453.6	449.6	448.5
24°	506.4	519.4	520.0	511.2	496.9	478.7	462.0	445.1	433.6	430.5	428.6
24.5°	483.3	497.3	497.5	488.0	475.4	457.8	442.7	425.0	414.3	411.2	410.2
25°	463.7	477.4	476.9	466.4	456.1	437.0	423.6	406.0	395.9	391.8	391.6
25.5°	444.6	457.3	456.6	447.0	437.0	420.2	404.2	388.3	377.6	374.3	374.0
26°	426.3	437.6	439.3	428.1	416.8	399.9	385.6	370.2	359.5	356.9	357.6
26.5°	405.9	418.7	421.3	408.6	398.2	381.9	368.8	352.8	342.6	338.3	339.9
27°	388.7	401.4	403.7	390.8	380.8	366.0	351.9	335.4	324.6	321.1	322.7
27.5°	371.6	385.0	385.8	373.3	363.6	347.1	334.7	318.3	308.7	304.2	304.4
28°	356.0	368.4	370.5	356.9	347.2	332.3	317.8	301.9	290.9	287.6	287.8
28.5°	338.7	352.7	356.1	341.3	330.4	316.0	301.2	285.6	275.4	271.8	271.8
29°	322.8	335.1	339.8	325.8	314.1	299.2	286.0	270.6	259.1	254.9	255.9
29.5°	307.3	319.0	323.7	309.8	299.1	284.5	269.8	254.8	243.2	238.6	239.4
30°	289.3	303.1	306.7	293.1	282.8	266.4	253.7	237.7	227.4	222.6	223.3
30.5°	273.8	286.4	290.1	276.6	266.1	251.1	238.2	223.6	212.2	207.0	207.1
31°	259.5	269.8	274.2	260.1	249.7	236.6	220.7	206.4	196.6	191.5	191.3
31.5°	242.2	252.2	256.6	244.1	233.1	217.8	205.5	190.0	180.8	176.0	175.8
32°	226.7	236.9	240.3	227.8	217.3	203.2	191.1	177.4	166.2	162.3	161.7
32.5°	210.2	220.6	223.8	212.3	201.0	188.2	174.5	161.8	152.2	148.4	147.9
33°	193.6	204.0	206.2	196.3	186.2	172.7	161.4	148.2	139.5	135.3	134.7
33.5°	180.1	187.7	190.8	180.8	170.9	158.9	147.9	136.3	126.5	122.7	122.4
34°	165.5	172.2	174.6	165.3	155.9	144.0	131.8	122.0	114.6	110.8	110.6
34.5°	151.4	157.2	159.1	151.5	142.3	130.4	121.0	110.5	104.1	100.1	99.8
35°	138.8	143.3	144.1	137.9	128.5	118.2	109.4	100.0	93.3	90.3	89.5
35.5°	125.1	129.9	129.5	124.6	116.5	106.0	96.7	88.4	83.9	80.8	79.5
36°	113.4	117.1	116.7	111.6	105.3	95.7	87.1	79.7	75.3	72.4	71.6
36.5°	102.4	104.6	104.1	100.5	92.9	85.2	77.9	71.3	67.2	64.5	63.8
37°	91.5	93.3	92.4	89.3	83.2	75.4	68.1	63.1	60.1	57.6	56.8
37.5°	81.8	82.9	81.8	79.4	74.2	67.0	60.8	56.3	53.4	51.2	50.5
38°	72.8	73.1	71.9	69.8	64.3	58.7	53.6	49.7	47.0	45.5	44.9
38.5°	64.9	64.7	63.3	61.6	57.4	52.3	47.2	44.3	42.5	40.7	40.1
39°	57.6	57.3	55.6	54.5	51.2	46.2	41.9	39.4	37.9	36.5	35.9
39.5°	51.0	50.8	49.0	48.2	44.6	40.6	37.4	35.2	33.8	32.7	32.2
40°	45.4	45.2	43.3	42.4	39.9	36.7	33.5	31.7	30.7	29.7	29.2
40.5°	40.3	39.8	38.1	37.3	35.6	32.6	29.7	28.4	27.8	26.7	26.3
41°	35.9	35.1	33.6	33.0	31.0	29.1	27.0	25.7	24.8	24.2	23.9
41.5°	31.7	31.2	29.9	29.4	27.7	26.1	24.3	23.3	22.7	22.0	21.7
42°	28.3	27.8	26.6	26.2	24.9	23.3	21.9	21.0	20.6	20.0	19.7
42.5°	25.6	25.0	23.9	23.4	22.3	21.2	20.1	19.3	18.7	18.3	18.0
43°	22.9	22.5	21.5	21.1	20.3	19.3	18.4	17.6	17.2	16.8	16.5
43.5°	20.9	20.4	19.5	19.2	18.7	17.8	16.9	16.3	15.9	15.6	15.3
44°	19.1	18.7	18.0	17.6	17.0	16.5	15.8	15.2	14.9	14.6	14.3
44.5°	17.5	17.3	16.6	16.2	15.7	15.3	14.6	14.2	14.0	13.7	13.5

TEST NUMBER: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	16.2	16.0	15.4	15.1	14.7	14.4	13.9	13.4	13.2	13.0	12.7
45.5°	15.0	14.9	14.4	14.1	13.8	13.4	13.1	12.7	12.5	12.3	12.1
46°	14.0	13.9	13.4	13.2	12.9	12.7	12.4	12.1	11.9	11.7	11.5
46.5°	13.2	13.0	12.7	12.4	12.3	12.1	11.9	11.5	11.3	11.2	11.0
47°	12.4	12.3	12.0	11.7	11.6	11.5	11.3	11.0	10.9	10.7	10.5
47.5°	11.7	11.7	11.4	11.2	11.1	11.0	10.8	10.6	10.4	10.3	10.1
48°	11.3	11.2	10.9	10.7	10.6	10.6	10.4	10.2	10.0	9.9	9.8
48.5°	10.8	10.7	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.4
49°	10.3	10.2	10.0	9.9	9.8	9.8	9.7	9.5	9.4	9.3	9.2
49.5°	10.0	9.9	9.7	9.5	9.4	9.4	9.4	9.2	9.1	9.0	8.9
50°	9.7	9.6	9.4	9.2	9.1	9.1	9.1	8.9	8.8	8.7	8.6
50.5°	9.3	9.3	9.1	8.9	8.8	8.8	8.8	8.6	8.6	8.5	8.4
51°	9.1	9.0	8.8	8.6	8.6	8.6	8.5	8.4	8.3	8.3	8.2
51.5°	8.8	8.7	8.5	8.4	8.3	8.3	8.3	8.2	8.1	8.1	8.0
52°	8.6	8.4	8.3	8.1	8.1	8.1	8.1	8.0	7.9	7.8	7.8
52.5°	8.3	8.2	8.1	7.9	7.8	7.9	7.9	7.7	7.7	7.7	7.6
53°	8.2	8.1	7.9	7.7	7.6	7.7	7.6	7.6	7.5	7.5	7.5
53.5°	8.0	7.9	7.7	7.6	7.5	7.5	7.5	7.4	7.4	7.3	7.3
54°	7.9	7.7	7.6	7.4	7.3	7.3	7.3	7.2	7.2	7.2	7.2
54.5°	7.7	7.6	7.4	7.2	7.1	7.1	7.2	7.1	7.1	7.0	7.0
55°	7.6	7.4	7.3	7.1	7.0	7.0	7.0	6.9	6.9	6.9	6.9
55.5°	7.4	7.3	7.1	7.0	6.9	6.9	6.9	6.8	6.8	6.8	6.8
56°	7.3	7.2	7.0	6.8	6.7	6.7	6.7	6.6	6.6	6.6	6.7
56.5°	7.2	7.1	6.9	6.7	6.6	6.6	6.6	6.5	6.5	6.5	6.5
57°	7.1	7.0	6.8	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4
57.5°	7.0	6.8	6.6	6.5	6.4	6.3	6.3	6.3	6.3	6.3	6.3
58°	6.9	6.7	6.5	6.4	6.3	6.2	6.2	6.2	6.1	6.2	6.2
58.5°	6.8	6.6	6.5	6.3	6.1	6.1	6.1	6.0	6.0	6.1	6.1
59°	6.7	6.6	6.4	6.2	6.1	6.0	6.0	5.9	5.9	6.0	6.0
59.5°	6.6	6.5	6.3	6.1	6.0	5.9	5.8	5.8	5.8	5.9	5.9
60°	6.5	6.4	6.2	6.0	5.9	5.8	5.8	5.7	5.7	5.8	5.8
60.5°	6.4	6.3	6.1	5.9	5.8	5.7	5.6	5.6	5.6	5.7	5.7
61°	6.3	6.2	6.0	5.8	5.7	5.6	5.6	5.5	5.5	5.6	5.6
61.5°	6.3	6.1	5.9	5.7	5.6	5.5	5.4	5.4	5.4	5.5	5.5
62°	6.2	6.0	5.8	5.7	5.5	5.4	5.3	5.3	5.3	5.3	5.4
62.5°	6.1	6.0	5.8	5.6	5.4	5.3	5.2	5.2	5.2	5.2	5.3
63°	6.0	5.9	5.7	5.5	5.4	5.2	5.1	5.1	5.1	5.2	5.2
63.5°	5.9	5.8	5.6	5.4	5.3	5.1	5.0	5.0	5.0	5.1	5.2
64°	5.9	5.7	5.5	5.3	5.2	5.1	5.0	4.9	4.9	5.0	5.1
64.5°	5.8	5.7	5.4	5.3	5.1	5.0	4.9	4.8	4.8	4.9	5.0
65°	5.7	5.6	5.4	5.2	5.0	4.9	4.8	4.7	4.7	4.8	4.9
65.5°	5.6	5.5	5.3	5.1	4.9	4.8	4.7	4.6	4.6	4.7	4.8
66°	5.6	5.4	5.2	5.0	4.9	4.7	4.6	4.5	4.5	4.6	4.7
66.5°	5.5	5.3	5.1	4.9	4.8	4.6	4.5	4.4	4.4	4.5	4.6
67°	5.4	5.3	5.1	4.9	4.7	4.5	4.4	4.3	4.3	4.4	4.5

TEST NUMBER: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	5.3	5.2	5.0	4.8	4.6	4.4	4.3	4.2	4.3	4.3	4.5
68°	5.2	5.1	4.9	4.7	4.5	4.4	4.2	4.2	4.2	4.3	4.4
68.5°	5.2	5.0	4.8	4.6	4.4	4.3	4.1	4.1	4.1	4.2	4.3
69°	5.1	5.0	4.8	4.6	4.4	4.2	4.1	4.0	4.0	4.1	4.2
69.5°	5.0	4.9	4.7	4.5	4.3	4.1	4.0	3.9	3.9	4.0	4.1
70°	4.9	4.8	4.6	4.4	4.2	4.0	3.9	3.8	3.8	3.9	4.0
70.5°	4.9	4.7	4.5	4.3	4.1	4.0	3.8	3.7	3.7	3.8	3.9
71°	4.8	4.7	4.5	4.3	4.0	3.9	3.7	3.6	3.6	3.7	3.9
71.5°	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.6	3.6	3.6	3.8
72°	4.6	4.5	4.3	4.1	3.9	3.7	3.5	3.5	3.5	3.6	3.7
72.5°	4.5	4.5	4.2	4.0	3.8	3.6	3.5	3.4	3.4	3.5	3.6
73°	4.5	4.4	4.2	4.0	3.8	3.6	3.4	3.3	3.3	3.4	3.5
73.5°	4.4	4.3	4.1	3.9	3.7	3.5	3.3	3.2	3.2	3.3	3.4
74°	4.3	4.2	4.0	3.8	3.6	3.4	3.2	3.2	3.1	3.2	3.3
74.5°	4.2	4.1	3.9	3.7	3.5	3.3	3.2	3.1	3.0	3.1	3.2
75°	4.1	4.1	3.9	3.6	3.4	3.2	3.1	3.0	2.9	3.0	3.2
75.5°	4.1	4.0	3.8	3.6	3.3	3.1	3.0	2.9	2.8	2.9	3.1
76°	4.0	3.9	3.7	3.5	3.2	3.0	2.9	2.8	2.7	2.8	2.9
76.5°	3.9	3.8	3.6	3.4	3.1	2.9	2.8	2.7	2.6	2.7	2.8
77°	3.8	3.7	3.5	3.3	3.0	2.8	2.7	2.6	2.5	2.6	2.7
77.5°	3.7	3.6	3.4	3.2	2.9	2.7	2.5	2.4	2.4	2.4	2.6
78°	3.6	3.5	3.3	3.1	2.8	2.6	2.4	2.3	2.2	2.3	2.4
78.5°	3.4	3.4	3.2	3.0	2.7	2.5	2.3	2.1	2.1	2.1	2.2
79°	3.3	3.2	3.1	2.8	2.6	2.3	2.1	2.0	1.9	1.9	2.0
79.5°	3.2	3.1	2.9	2.7	2.4	2.2	1.9	1.7	1.6	1.6	1.8
80°	3.0	2.9	2.8	2.5	2.2	1.9	1.7	1.4	1.3	1.3	1.5
80.5°	2.8	2.8	2.6	2.3	2.0	1.7	1.4	1.2	1.0	1.0	1.1
81°	2.5	2.5	2.4	2.1	1.7	1.4	1.1	0.8	0.7	0.7	0.8
81.5°	2.2	2.2	2.1	1.7	1.4	1.1	0.8	0.6	0.6	0.6	0.6
82°	1.8	1.9	1.7	1.4	1.1	0.7	0.6	0.5	0.5	0.5	0.5
82.5°	1.4	1.5	1.3	1.1	0.7	0.5	0.5	0.4	0.4	0.4	0.4
83°	1.0	1.0	0.9	0.7	0.5	0.5	0.4	0.4	0.4	0.4	0.4
83.5°	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3
84°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3
84.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
85°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
85.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2
86°	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
86.5°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
87°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
88°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
88.5°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
89°	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0
89.5°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0



TEST NUMBER: P979238
CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3924.0	3924.0	3924.0	3924.0	3924.0	3924.0
0.5°	3907.0	3921.1	3925.4	3938.1	3934.5	3938.8
1°	3869.7	3881.0	3903.5	3917.6	3928.2	3945.1
1.5°	3826.7	3838.0	3859.8	3894.4	3918.3	3931.0
2°	3752.7	3770.3	3807.6	3839.4	3883.1	3914.8
2.5°	3675.1	3706.1	3752.0	3787.2	3840.8	3875.3
3°	3599.0	3637.0	3670.9	3732.9	3783.0	3839.4
3.5°	3494.6	3542.6	3607.4	3652.5	3726.6	3775.9
4°	3402.3	3448.1	3498.9	3571.5	3644.1	3717.4
4.5°	3317.0	3346.6	3417.1	3485.5	3569.4	3634.2
5°	3196.4	3243.7	3306.4	3386.8	3470.7	3552.4
5.5°	3082.9	3134.4	3195.0	3284.5	3376.9	3458.0
6°	2970.8	3022.3	3090.0	3182.3	3274.0	3367.0
6.5°	2845.3	2893.3	2968.7	3068.1	3166.1	3257.8
7°	2726.9	2774.8	2860.1	2944.7	3053.3	3156.2
7.5°	2605.6	2654.3	2738.2	2830.5	2941.2	3038.5
8°	2485.8	2535.8	2610.6	2717.7	2821.4	2925.7
8.5°	2363.1	2413.9	2487.9	2592.2	2703.6	2805.9
9°	2251.0	2296.9	2376.5	2477.3	2581.7	2686.0
9.5°	2130.5	2177.7	2256.7	2362.4	2473.8	2570.4
10°	2017.7	2062.1	2141.8	2236.9	2342.0	2452.7
10.5°	1905.6	1953.5	2024.7	2122.0	2232.0	2332.1
11°	1797.0	1835.1	1913.3	2011.3	2115.0	2211.6
11.5°	1689.9	1735.0	1802.7	1894.3	2001.5	2095.9
12°	1589.0	1632.0	1700.4	1792.8	1889.4	1981.0
12.5°	1497.4	1536.9	1601.0	1687.0	1785.0	1875.3
13°	1408.6	1441.0	1505.2	1591.2	1682.8	1771.6
13.5°	1322.6	1355.0	1413.5	1498.8	1586.2	1667.3
14°	1243.6	1278.1	1333.1	1407.2	1488.2	1567.2
14.5°	1166.8	1193.5	1250.7	1319.0	1402.2	1479.1
15°	1095.6	1120.9	1168.2	1239.4	1319.0	1390.9
15.5°	1032.8	1058.2	1106.8	1164.6	1238.7	1303.5
16°	968.7	991.2	1036.3	1093.4	1159.0	1224.6
16.5°	915.1	932.7	973.6	1028.6	1092.0	1150.5
17°	862.2	879.8	917.2	965.1	1025.8	1080.0
17.5°	810.0	830.5	862.2	910.1	960.2	1015.9
18°	765.6	783.2	815.0	855.9	908.7	955.3
18.5°	726.8	740.2	768.4	807.9	858.7	899.6
19°	688.4	702.0	729.7	763.5	807.9	846.7
19.5°	655.6	667.1	689.0	723.3	762.8	800.2
20°	621.9	633.2	656.6	686.0	722.6	756.5
20.5°	591.2	601.4	620.1	649.3	682.9	712.7
21°	561.5	574.7	592.5	618.3	648.9	677.3
21.5°	538.7	549.0	564.6	589.5	616.2	641.4
22°	516.2	523.4	540.3	563.1	588.5	611.4

TEST NUMBER: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	493.3	501.0	516.9	537.9	560.0	582.6
23°	471.8	480.4	493.6	513.6	534.5	554.7
23.5°	451.8	460.4	473.2	491.6	509.7	530.9
24°	432.2	440.6	451.7	471.0	488.2	506.7
24.5°	414.3	421.5	433.9	451.3	467.5	484.8
25°	396.4	404.5	414.9	433.1	448.1	463.7
25.5°	378.9	386.8	399.2	415.4	428.6	443.4
26°	360.7	369.8	379.9	398.2	411.2	425.4
26.5°	342.5	352.4	363.2	380.0	393.6	407.2
27°	326.3	335.4	345.2	361.8	375.1	388.9
27.5°	310.4	317.7	329.9	346.2	358.4	371.2
28°	293.1	302.4	312.8	331.2	343.7	356.1
28.5°	276.4	285.7	296.4	314.8	326.8	339.6
29°	259.4	269.2	280.0	298.2	310.8	322.8
29.5°	243.2	252.9	264.2	280.6	294.9	307.0
30°	226.7	235.4	247.9	265.1	278.5	292.1
30.5°	210.8	220.2	231.2	249.0	262.5	275.4
31°	195.5	202.2	214.4	231.4	246.4	258.2
31.5°	179.2	187.0	198.7	215.8	230.1	242.0
32°	164.4	173.4	183.2	199.7	214.0	225.8
32.5°	150.2	157.4	168.4	183.9	198.7	210.6
33°	136.6	143.2	154.8	169.9	184.1	195.6
33.5°	124.4	130.8	140.9	154.4	168.6	180.4
34°	112.3	117.1	127.9	140.4	155.0	166.0
34.5°	101.1	106.6	115.5	128.3	141.6	151.6
35°	90.7	96.2	103.6	114.6	128.1	137.8
35.5°	81.3	85.1	93.2	102.9	116.1	125.6
36°	72.8	76.6	83.4	94.5	104.7	113.4
36.5°	64.7	68.4	74.2	82.2	93.1	101.9
37°	57.3	60.2	66.6	73.0	83.8	91.6
37.5°	51.1	53.6	58.7	66.0	74.7	81.4
38°	45.4	47.6	51.6	58.1	65.5	72.0
38.5°	40.4	42.3	46.5	51.2	58.8	64.6
39°	35.9	37.8	41.2	46.2	52.4	57.0
39.5°	32.2	33.7	36.5	41.0	46.1	50.6
40°	29.1	30.4	33.0	36.6	41.5	45.5
40.5°	26.3	27.3	29.5	32.9	36.8	40.1
41°	23.8	24.8	26.5	29.3	32.5	35.5
41.5°	21.6	22.5	24.2	26.4	29.3	31.8
42°	19.6	20.5	21.8	23.8	26.3	28.2
42.5°	18.0	18.7	19.9	21.7	23.7	25.3
43°	16.5	17.1	18.3	19.8	21.5	22.9
43.5°	15.3	15.8	16.8	18.2	19.6	20.8
44°	14.3	14.7	15.6	16.7	18.0	19.0
44.5°	13.4	13.8	14.6	15.5	16.5	17.5

TEST NUMBER: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	12.6	13.0	13.6	14.5	15.3	16.1
45.5°	12.0	12.3	12.9	13.6	14.3	15.0
46°	11.4	11.7	12.3	12.9	13.4	14.0
46.5°	11.0	11.2	11.7	12.2	12.7	13.2
47°	10.5	10.7	11.1	11.6	12.0	12.4
47.5°	10.1	10.3	10.7	11.1	11.5	11.8
48°	9.7	10.0	10.3	10.7	11.0	11.2
48.5°	9.4	9.6	10.0	10.3	10.5	10.8
49°	9.1	9.3	9.7	10.0	10.2	10.3
49.5°	8.9	9.1	9.3	9.7	9.8	10.0
50°	8.6	8.8	9.1	9.4	9.5	9.6
50.5°	8.4	8.6	8.9	9.2	9.2	9.3
51°	8.2	8.4	8.7	8.9	9.0	9.1
51.5°	8.0	8.2	8.5	8.7	8.8	8.8
52°	7.8	8.0	8.3	8.5	8.6	8.6
52.5°	7.7	7.9	8.1	8.3	8.3	8.3
53°	7.5	7.7	7.9	8.1	8.1	8.1
53.5°	7.3	7.6	7.8	8.0	8.0	8.0
54°	7.2	7.4	7.7	7.8	7.9	7.8
54.5°	7.1	7.3	7.5	7.7	7.7	7.7
55°	7.0	7.2	7.4	7.6	7.6	7.6
55.5°	6.9	7.1	7.3	7.5	7.5	7.4
56°	6.7	6.9	7.2	7.4	7.3	7.3
56.5°	6.6	6.8	7.1	7.3	7.2	7.2
57°	6.5	6.7	7.0	7.1	7.1	7.1
57.5°	6.4	6.6	6.9	7.0	7.0	7.0
58°	6.3	6.6	6.8	6.9	6.9	6.9
58.5°	6.2	6.5	6.7	6.9	6.8	6.8
59°	6.1	6.4	6.6	6.8	6.7	6.7
59.5°	6.0	6.3	6.5	6.7	6.6	6.6
60°	6.0	6.2	6.4	6.6	6.6	6.5
60.5°	5.9	6.1	6.4	6.5	6.5	6.4
61°	5.8	6.0	6.3	6.4	6.4	6.3
61.5°	5.7	5.9	6.2	6.3	6.3	6.3
62°	5.6	5.8	6.1	6.2	6.2	6.2
62.5°	5.5	5.7	6.0	6.2	6.2	6.1
63°	5.4	5.7	5.9	6.1	6.1	6.0
63.5°	5.3	5.6	5.8	6.0	6.0	5.9
64°	5.2	5.5	5.8	5.9	5.9	5.9
64.5°	5.2	5.4	5.7	5.8	5.8	5.8
65°	5.1	5.3	5.6	5.8	5.8	5.7
65.5°	5.0	5.2	5.5	5.7	5.7	5.6
66°	4.9	5.2	5.4	5.6	5.6	5.6
66.5°	4.8	5.1	5.3	5.5	5.5	5.5
67°	4.7	5.0	5.2	5.4	5.4	5.4

TEST NUMBER: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	4.7	4.9	5.2	5.3	5.4	5.3
68°	4.6	4.8	5.1	5.3	5.3	5.2
68.5°	4.5	4.7	5.0	5.2	5.2	5.1
69°	4.4	4.7	4.9	5.1	5.1	5.1
69.5°	4.3	4.6	4.8	5.0	5.0	5.0
70°	4.2	4.5	4.8	4.9	5.0	4.9
70.5°	4.2	4.4	4.7	4.8	4.9	4.8
71°	4.1	4.3	4.6	4.8	4.8	4.8
71.5°	4.0	4.2	4.5	4.7	4.7	4.7
72°	3.9	4.1	4.4	4.6	4.7	4.6
72.5°	3.8	4.0	4.3	4.5	4.6	4.5
73°	3.7	4.0	4.3	4.4	4.5	4.5
73.5°	3.6	3.9	4.2	4.3	4.4	4.4
74°	3.5	3.8	4.1	4.3	4.3	4.3
74.5°	3.4	3.7	4.0	4.2	4.3	4.2
75°	3.4	3.6	3.9	4.1	4.2	4.1
75.5°	3.3	3.5	3.8	4.0	4.1	4.0
76°	3.2	3.4	3.7	3.9	4.0	4.0
76.5°	3.0	3.3	3.6	3.8	3.9	3.9
77°	2.9	3.2	3.5	3.7	3.8	3.8
77.5°	2.8	3.0	3.3	3.5	3.7	3.7
78°	2.6	2.9	3.2	3.4	3.5	3.6
78.5°	2.5	2.7	3.0	3.3	3.4	3.4
79°	2.3	2.6	2.9	3.1	3.3	3.3
79.5°	2.0	2.3	2.7	2.9	3.1	3.2
80°	1.7	2.0	2.4	2.7	2.9	3.0
80.5°	1.3	1.7	2.1	2.4	2.7	2.8
81°	1.0	1.3	1.7	2.1	2.4	2.5
81.5°	0.7	0.9	1.3	1.7	2.0	2.2
82°	0.5	0.6	0.9	1.3	1.6	1.8
82.5°	0.4	0.5	0.6	0.9	1.2	1.4
83°	0.4	0.4	0.4	0.6	0.8	0.9
83.5°	0.4	0.4	0.4	0.4	0.5	0.6
84°	0.3	0.3	0.4	0.4	0.4	0.5
84.5°	0.3	0.3	0.3	0.4	0.4	0.4
85°	0.3	0.3	0.3	0.3	0.4	0.4
85.5°	0.2	0.3	0.3	0.3	0.3	0.4
86°	0.2	0.2	0.3	0.3	0.3	0.3
86.5°	0.2	0.2	0.2	0.3	0.3	0.3
87°	0.2	0.2	0.2	0.2	0.2	0.3
87.5°	0.1	0.2	0.2	0.2	0.2	0.2
88°	0.1	0.1	0.1	0.2	0.2	0.2
88.5°	0.1	0.1	0.1	0.1	0.2	0.2
89°	0.1	0.1	0.1	0.1	0.1	0.2
89.5°	0.0	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P979238
CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P979238

CATALOG NUMBER: PRLX-CYL2-X-930-10L-MD-U-S-X-X-WHTE

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	7.07	7.99	7.43	8.30	8.62	6.52	7.45	6.89	7.76	8.07
	3H	9.37	10.18	9.75	10.52	10.89	8.59	9.40	8.98	9.74	10.11
	4H	10.47	11.22	10.88	11.58	11.97	9.57	10.32	9.98	10.67	11.06
	6H	11.48	12.16	11.90	12.54	12.93	10.35	11.04	10.77	11.41	11.81
	8H	11.68	12.32	12.12	12.72	13.13	10.44	11.08	10.88	11.48	11.89
	12H	11.64	12.26	12.08	12.64	13.07	10.40	11.01	10.84	11.40	11.83
4H	2H	7.69	8.44	8.10	8.80	9.19	7.13	7.88	7.54	8.24	8.63
	3H	10.25	10.86	10.66	11.27	11.68	9.46	10.07	9.87	10.48	10.89
	4H	11.52	12.07	11.96	12.49	12.94	10.58	11.12	11.02	11.55	12.00
	6H	12.67	13.13	13.14	13.58	14.06	11.50	11.97	11.97	12.42	12.90
	8H	12.89	13.33	13.37	13.78	14.25	11.60	12.03	12.08	12.48	12.96
	12H	12.86	13.23	13.35	13.72	14.20	11.56	11.93	12.06	12.42	12.90
8H	4H	11.91	12.35	12.39	12.80	13.27	10.97	11.40	11.45	11.86	12.33
	6H	13.21	13.55	13.72	14.05	14.54	12.02	12.36	12.54	12.87	13.35
	8H	13.47	13.77	14.00	14.29	14.79	12.14	12.44	12.68	12.97	13.46
	12H	13.45	13.71	13.98	14.21	14.79	12.13	12.39	12.66	12.89	13.47
12H	4H	11.93	12.30	12.42	12.79	13.27	11.00	11.37	11.49	11.86	12.34
	6H	13.24	13.54	13.78	14.07	14.56	12.06	12.36	12.60	12.89	13.38
	8H	13.52	13.77	14.04	14.27	14.86	12.21	12.46	12.73	12.96	13.54

END OF REPORT