

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: P979230

Luminaire Tested: PRLX-CYL2-X-927-10L-MD-U-S-X-X-WHTE

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979230
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-927-10L-MD-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, MEDIUM OPTIC
1000 LUMENS
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

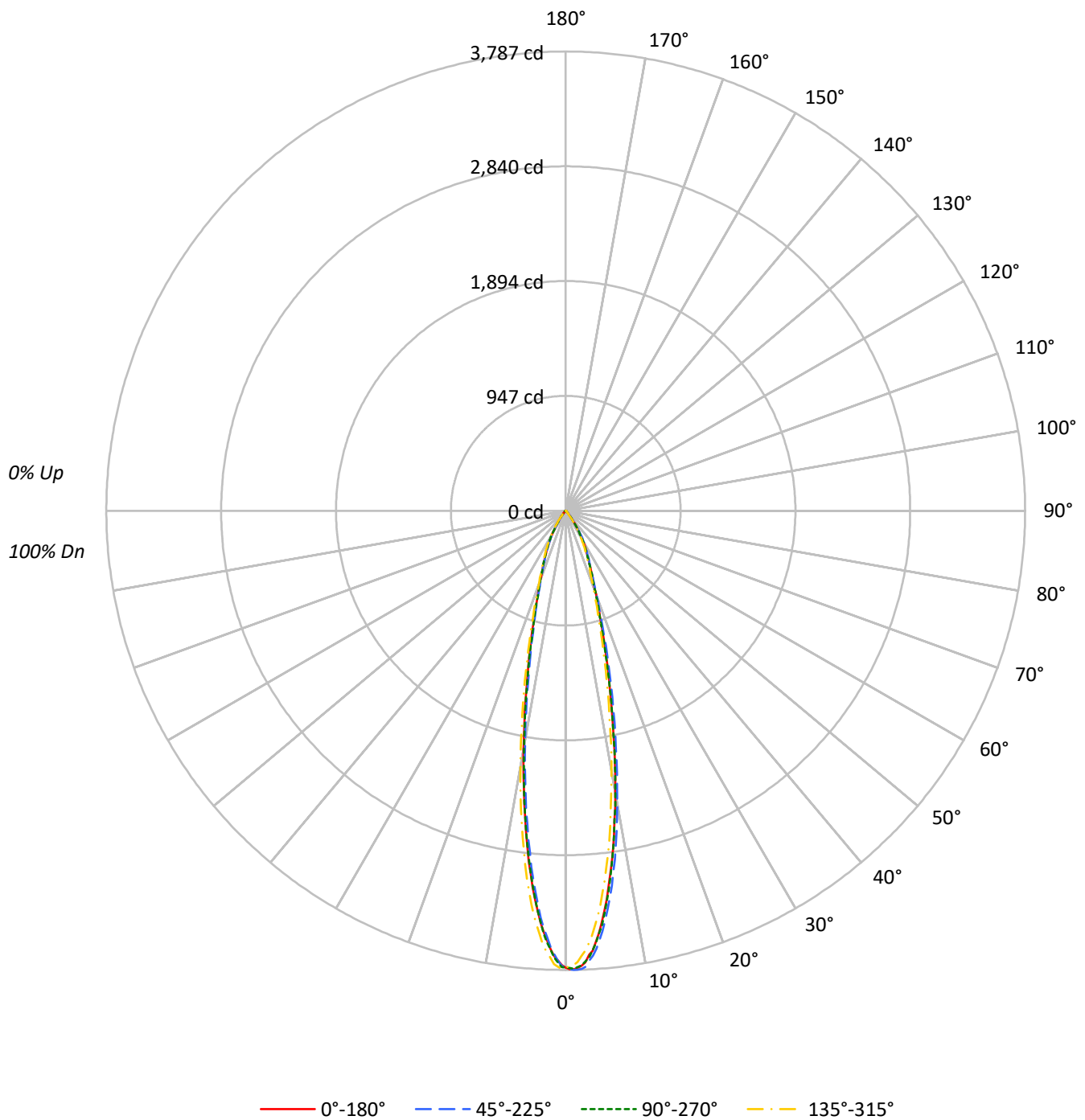
Lumens per Lamp: N/A
Luminaire Lumens: 907.8 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

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: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-MD-U-S-X-X-WHTE

Luminous Intensity Polar Plot



TEST NUMBER: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-MD-U-S-X-X-WHITE

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°	1170678	1170678	1170678	1170678
5°	1064092	1069583	972033	971409
10°	742369	742148	632394	624695
15°	428519	426138	351656	346219
20°	240596	237256	202101	201043
25°	152624	150155	130302	133148
30°	99652	97427	78337	81100
35°	50572	46816	33993	35055
40°	17688	15538	11968	11805
45°	6812	6197	5582	5494
50°	4496	4255	4110	4110
55°	3901	3630	3576	3739
60°	3916	3543	3418	3667
65°	4044	3530	3309	3750
70°	4271	3725	3362	3907
75°	4803	3962	3362	4203
80°	5190	3758	2148	3400
85°	1426	1426	713	1070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6812 cd/sqm

TEST NUMBER: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-MD-U-S-X-X-WHTE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.1	30.3
10°-20°	340.2	37.5
20°-30°	191.9	21.1
30°-40°	73.1	8.0
40°-50°	12.2	1.3
50°-60°	6.3	0.7
60°-70°	4.9	0.5
70°-80°	3.5	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°	807.2	88.9
0°-40°	880.3	97.0
0°-60°	898.8	99.0
0°-90°	907.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	907.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3767	3767	3767	3767	3767	
5°	3411	3429	3116	3114	3410	290
15°	1332	1324	1093	1076	1335	373
25°	445	438	380	388	445	208
35°	133	123	90	92	132	86
45°	16	14	13	12	16	14
55°	7	7	7	7	7	7
65°	6	5	4	5	6	5
75°	4	3	3	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-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°	3767.0	3767.0	3767.0	3767.0	3767.0	3767.0	3767.0	3767.0	3767.0	3767.0	3767.0
0.5°	3781.9	3787.3	3781.9	3769.0	3771.1	3757.5	3756.9	3752.1	3747.4	3742.0	3754.2
1°	3780.5	3796.8	3787.3	3780.5	3777.8	3758.9	3746.0	3729.8	3706.8	3700.0	3710.2
1.5°	3770.4	3790.0	3787.3	3786.6	3765.7	3743.3	3722.3	3685.8	3672.9	3652.6	3654.7
2°	3756.9	3775.1	3779.9	3763.6	3753.5	3713.5	3674.3	3644.5	3618.1	3595.8	3598.5
2.5°	3729.1	3753.5	3762.3	3748.1	3721.7	3681.7	3637.1	3587.0	3549.1	3532.2	3520.0
3°	3667.5	3710.8	3716.3	3704.1	3685.8	3637.1	3579.5	3525.4	3478.0	3447.6	3445.5
3.5°	3635.0	3659.4	3675.0	3661.4	3631.7	3571.4	3514.6	3451.6	3405.6	3379.9	3361.6
4°	3559.9	3607.3	3620.1	3601.2	3572.1	3514.6	3435.4	3368.4	3308.8	3266.9	3261.4
4.5°	3490.9	3536.2	3551.1	3539.6	3496.3	3433.4	3352.1	3289.2	3220.2	3177.5	3158.6
5°	3411.0	3460.4	3480.1	3465.8	3428.6	3346.7	3268.2	3189.7	3115.9	3079.4	3056.4
5.5°	3321.7	3377.2	3398.2	3375.1	3328.5	3258.7	3162.6	3082.8	3013.1	2957.6	2948.8
6°	3223.5	3287.8	3305.4	3291.2	3239.1	3157.9	3068.6	2983.3	2904.8	2858.1	2832.4
6.5°	3124.1	3195.8	3213.4	3193.1	3138.9	3053.7	2960.3	2874.3	2791.1	2738.3	2722.7
7°	3023.2	3085.5	3115.3	3092.3	3028.0	2950.1	2851.3	2762.0	2676.0	2625.9	2605.0
7.5°	2914.3	2987.3	3006.3	2981.3	2925.1	2835.1	2742.4	2645.6	2565.7	2508.2	2489.9
8°	2804.6	2877.0	2902.7	2879.1	2813.4	2716.6	2631.4	2527.8	2450.7	2400.6	2377.6
8.5°	2695.7	2764.0	2785.0	2766.0	2701.7	2611.1	2504.1	2418.2	2332.9	2276.0	2253.0
9°	2577.9	2645.6	2680.8	2646.9	2580.6	2498.0	2400.6	2300.4	2221.2	2171.1	2148.1
9.5°	2468.9	2534.6	2562.3	2533.2	2468.3	2379.6	2282.1	2195.5	2110.9	2052.0	2032.4
10°	2352.5	2419.5	2445.9	2421.6	2351.8	2262.5	2168.4	2076.4	2004.0	1949.8	1926.1
10.5°	2236.8	2308.5	2328.8	2303.8	2242.2	2161.0	2064.2	1968.1	1891.6	1836.1	1822.6
11°	2120.4	2184.7	2217.2	2190.1	2117.7	2033.8	1950.5	1863.2	1784.0	1738.0	1719.0
11.5°	2010.7	2081.1	2108.2	2073.0	2008.7	1928.2	1838.8	1756.9	1685.9	1635.1	1614.8
12°	1905.2	1968.1	1988.4	1962.7	1900.4	1821.9	1735.3	1656.1	1581.7	1539.0	1516.7
12.5°	1795.5	1858.5	1883.5	1861.2	1797.6	1721.1	1638.5	1556.6	1499.1	1453.7	1432.8
13°	1698.7	1763.0	1783.3	1755.6	1692.0	1620.9	1545.8	1465.2	1409.1	1362.4	1343.4
13.5°	1604.0	1665.6	1683.2	1653.4	1594.5	1526.2	1453.1	1379.3	1319.7	1283.9	1267.6
14°	1507.9	1564.1	1584.4	1560.0	1504.5	1438.9	1363.1	1296.7	1243.9	1209.4	1189.1
14.5°	1418.6	1465.9	1488.9	1463.2	1409.1	1349.5	1279.1	1215.5	1166.1	1132.3	1114.7
15°	1331.9	1384.7	1403.0	1378.6	1324.5	1267.6	1203.3	1143.8	1093.0	1063.2	1048.3
15.5°	1254.8	1305.5	1317.0	1292.7	1243.9	1185.7	1132.3	1075.4	1030.8	999.6	986.1
16°	1176.3	1221.6	1237.8	1213.5	1169.5	1116.0	1061.9	1008.4	969.2	941.4	927.9
16.5°	1103.8	1145.1	1160.7	1138.4	1096.4	1047.7	993.5	946.8	912.3	886.6	872.4
17°	1037.5	1078.8	1087.6	1069.3	1030.1	982.0	931.9	891.3	857.5	834.5	822.3
17.5°	975.9	1011.8	1022.0	1001.6	965.1	922.5	880.5	837.9	806.7	785.1	774.2
18°	917.0	949.5	959.0	942.1	906.2	864.3	827.0	789.1	758.7	741.8	733.6
18.5°	863.6	896.7	903.5	888.6	854.1	814.9	776.3	745.1	718.8	703.9	695.7
19°	813.5	843.3	848.7	833.8	806.1	771.5	737.0	705.2	682.2	666.6	658.7
19.5°	769.5	794.6	801.3	786.4	760.7	727.5	696.4	665.8	645.4	633.2	626.4
20°	727.5	749.9	754.6	741.1	717.4	688.3	659.6	631.9	611.1	599.6	595.3
20.5°	688.3	710.0	710.6	701.2	676.1	648.0	623.3	598.8	579.8	570.5	565.5
21°	650.8	669.1	672.8	661.8	640.3	615.7	592.3	568.3	550.5	542.4	538.7
21.5°	617.2	634.6	638.5	626.7	609.1	584.3	561.5	541.0	526.0	517.2	515.5
22°	587.3	604.2	604.8	596.2	578.7	557.0	537.2	515.0	501.8	494.7	491.9

TEST NUMBER: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-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°	559.7	574.7	574.3	566.6	550.6	529.0	511.4	491.5	478.8	472.8	470.5
23°	532.4	548.3	547.3	539.1	524.0	504.1	487.6	468.7	456.0	450.2	449.9
23.5°	509.1	523.4	523.2	513.7	500.6	483.2	464.1	448.0	435.4	431.6	430.6
24°	486.1	498.7	499.2	490.7	477.0	459.5	443.6	427.3	416.3	413.2	411.5
24.5°	464.0	477.4	477.6	468.5	456.4	439.5	425.0	408.0	397.7	394.8	393.8
25°	445.1	458.3	457.8	447.7	437.9	419.5	406.7	389.8	380.0	376.1	376.0
25.5°	426.9	439.0	438.4	429.1	419.5	403.4	388.1	372.8	362.5	359.4	359.0
26°	409.3	420.1	421.8	411.0	400.1	383.9	370.2	355.4	345.2	342.7	343.3
26.5°	389.7	401.9	404.4	392.3	382.3	366.6	354.0	338.7	328.9	324.7	326.3
27°	373.1	385.4	387.5	375.2	365.5	351.3	337.8	321.9	311.7	308.3	309.8
27.5°	356.7	369.6	370.4	358.4	349.0	333.2	321.3	305.6	296.4	292.0	292.2
28°	341.8	353.7	355.7	342.7	333.3	319.0	305.1	289.9	279.3	276.1	276.3
28.5°	325.2	338.6	341.8	327.6	317.2	303.4	289.2	274.2	264.4	260.9	260.9
29°	309.9	321.7	326.2	312.7	301.6	287.2	274.6	259.8	248.7	244.7	245.7
29.5°	295.0	306.2	310.8	297.4	287.1	273.1	259.0	244.6	233.5	229.1	229.8
30°	277.7	291.0	294.5	281.3	271.5	255.8	243.5	228.1	218.3	213.7	214.3
30.5°	262.9	274.9	278.5	265.5	255.4	241.1	228.7	214.7	203.7	198.7	198.8
31°	249.1	259.0	263.3	249.7	239.7	227.1	211.9	198.2	188.8	183.9	183.7
31.5°	232.5	242.2	246.4	234.3	223.8	209.1	197.3	182.4	173.6	168.9	168.8
32°	217.6	227.4	230.6	218.7	208.6	195.1	183.4	170.3	159.5	155.8	155.3
32.5°	201.8	211.8	214.8	203.8	193.0	180.6	167.5	155.3	146.1	142.5	142.0
33°	185.8	195.8	198.0	188.4	178.7	165.8	154.9	142.3	133.9	129.9	129.3
33.5°	172.9	180.2	183.2	173.5	164.1	152.5	142.0	130.8	121.5	117.8	117.5
34°	158.8	165.3	167.6	158.7	149.7	138.2	126.6	117.2	110.0	106.4	106.2
34.5°	145.3	150.9	152.8	145.4	136.6	125.1	116.1	106.1	100.0	96.1	95.8
35°	133.3	137.6	138.3	132.4	123.4	113.5	105.0	96.0	89.6	86.7	86.0
35.5°	120.1	124.7	124.3	119.6	111.9	101.8	92.8	84.9	80.5	77.6	76.3
36°	108.8	112.4	112.1	107.1	101.0	91.8	83.7	76.5	72.3	69.5	68.8
36.5°	98.3	100.4	99.9	96.4	89.2	81.8	74.8	68.5	64.5	61.9	61.3
37°	87.8	89.5	88.7	85.7	79.9	72.3	65.4	60.5	57.7	55.3	54.5
37.5°	78.6	79.6	78.6	76.2	71.2	64.4	58.4	54.0	51.3	49.2	48.5
38°	69.8	70.2	69.0	67.0	61.7	56.3	51.4	47.7	45.2	43.7	43.1
38.5°	62.3	62.1	60.8	59.1	55.1	50.2	45.3	42.5	40.8	39.0	38.5
39°	55.3	55.0	53.4	52.3	49.2	44.4	40.2	37.8	36.4	35.0	34.4
39.5°	49.0	48.7	47.0	46.2	42.9	39.0	35.9	33.8	32.4	31.4	30.9
40°	43.6	43.4	41.6	40.7	38.3	35.3	32.1	30.5	29.5	28.5	28.0
40.5°	38.7	38.2	36.5	35.8	34.2	31.3	28.6	27.2	26.7	25.7	25.2
41°	34.5	33.7	32.3	31.7	29.8	27.9	25.9	24.7	23.8	23.2	22.9
41.5°	30.5	29.9	28.7	28.2	26.6	25.0	23.3	22.4	21.8	21.1	20.9
42°	27.1	26.7	25.5	25.2	23.9	22.3	21.0	20.1	19.8	19.2	18.9
42.5°	24.5	24.0	22.9	22.5	21.4	20.3	19.3	18.5	17.9	17.6	17.3
43°	22.0	21.6	20.6	20.3	19.5	18.6	17.6	16.9	16.5	16.1	15.8
43.5°	20.0	19.6	18.8	18.4	17.9	17.1	16.2	15.6	15.3	15.0	14.7
44°	18.3	18.0	17.3	16.9	16.3	15.8	15.1	14.6	14.3	14.0	13.8
44.5°	16.8	16.6	16.0	15.6	15.1	14.7	14.1	13.6	13.4	13.2	12.9

TEST NUMBER: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-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°	15.5	15.3	14.8	14.5	14.1	13.8	13.3	12.9	12.7	12.4	12.2
45.5°	14.4	14.3	13.8	13.5	13.2	12.9	12.6	12.2	12.0	11.8	11.6
46°	13.4	13.3	12.8	12.6	12.4	12.2	11.9	11.6	11.4	11.2	11.0
46.5°	12.6	12.5	12.2	11.9	11.8	11.6	11.4	11.1	10.9	10.7	10.5
47°	11.9	11.8	11.5	11.3	11.1	11.0	10.9	10.6	10.4	10.3	10.1
47.5°	11.3	11.2	10.9	10.8	10.6	10.5	10.4	10.2	10.0	9.9	9.7
48°	10.8	10.7	10.5	10.3	10.2	10.1	10.0	9.8	9.6	9.5	9.4
48.5°	10.3	10.3	10.0	9.8	9.8	9.7	9.6	9.4	9.3	9.2	9.1
49°	9.9	9.8	9.6	9.5	9.4	9.4	9.3	9.1	9.0	8.9	8.8
49.5°	9.6	9.5	9.3	9.1	9.1	9.0	9.0	8.8	8.7	8.6	8.5
50°	9.3	9.2	9.0	8.8	8.8	8.8	8.7	8.6	8.5	8.4	8.3
50.5°	9.0	8.9	8.7	8.5	8.5	8.5	8.4	8.3	8.2	8.1	8.1
51°	8.7	8.6	8.4	8.3	8.2	8.2	8.2	8.0	8.0	8.0	7.9
51.5°	8.5	8.4	8.2	8.0	8.0	8.0	8.0	7.8	7.8	7.7	7.7
52°	8.2	8.1	8.0	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.5
52.5°	8.0	7.9	7.8	7.6	7.5	7.6	7.6	7.4	7.4	7.4	7.3
53°	7.8	7.7	7.6	7.4	7.3	7.4	7.3	7.3	7.2	7.2	7.2
53.5°	7.7	7.6	7.4	7.2	7.2	7.2	7.2	7.1	7.1	7.0	7.0
54°	7.5	7.4	7.3	7.1	7.0	7.0	7.0	6.9	6.9	6.9	6.9
54.5°	7.4	7.3	7.1	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.7
55°	7.2	7.1	7.0	6.8	6.7	6.7	6.7	6.6	6.6	6.6	6.6
55.5°	7.1	7.0	6.8	6.7	6.6	6.6	6.6	6.5	6.5	6.5	6.5
56°	7.0	6.9	6.7	6.6	6.5	6.5	6.4	6.4	6.4	6.4	6.4
56.5°	6.9	6.8	6.6	6.4	6.3	6.3	6.3	6.3	6.2	6.3	6.3
57°	6.8	6.7	6.5	6.3	6.2	6.2	6.2	6.1	6.1	6.1	6.2
57.5°	6.7	6.6	6.4	6.2	6.1	6.1	6.1	6.0	6.0	6.0	6.1
58°	6.6	6.5	6.3	6.1	6.0	6.0	6.0	5.9	5.9	5.9	6.0
58.5°	6.5	6.4	6.2	6.0	5.9	5.9	5.8	5.8	5.8	5.8	5.9
59°	6.4	6.3	6.1	6.0	5.8	5.8	5.7	5.7	5.7	5.7	5.8
59.5°	6.3	6.2	6.0	5.8	5.7	5.7	5.6	5.6	5.6	5.6	5.7
60°	6.3	6.1	6.0	5.8	5.7	5.6	5.5	5.5	5.5	5.5	5.6
60.5°	6.2	6.1	5.9	5.7	5.6	5.5	5.4	5.4	5.4	5.4	5.5
61°	6.1	6.0	5.8	5.6	5.5	5.4	5.3	5.3	5.3	5.3	5.4
61.5°	6.0	5.9	5.7	5.5	5.4	5.3	5.2	5.2	5.2	5.2	5.3
62°	5.9	5.8	5.6	5.4	5.3	5.2	5.1	5.1	5.1	5.1	5.2
62.5°	5.9	5.7	5.5	5.4	5.2	5.1	5.0	5.0	5.0	5.0	5.1
63°	5.8	5.7	5.5	5.3	5.1	5.0	4.9	4.9	4.9	4.9	5.0
63.5°	5.7	5.6	5.4	5.2	5.1	4.9	4.8	4.8	4.8	4.9	4.9
64°	5.6	5.5	5.3	5.1	5.0	4.9	4.8	4.7	4.7	4.8	4.9
64.5°	5.6	5.4	5.2	5.1	4.9	4.8	4.7	4.6	4.6	4.7	4.8
65°	5.5	5.4	5.2	5.0	4.8	4.7	4.6	4.5	4.5	4.6	4.7
65.5°	5.4	5.3	5.1	4.9	4.7	4.6	4.5	4.4	4.4	4.5	4.6
66°	5.3	5.2	5.0	4.8	4.7	4.5	4.4	4.3	4.3	4.4	4.5
66.5°	5.2	5.1	4.9	4.7	4.6	4.4	4.3	4.2	4.3	4.3	4.5
67°	5.2	5.1	4.9	4.7	4.5	4.3	4.2	4.2	4.2	4.2	4.4

TEST NUMBER: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-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°	5.1	5.0	4.8	4.6	4.4	4.3	4.1	4.1	4.1	4.2	4.3
68°	5.0	4.9	4.7	4.5	4.3	4.2	4.1	4.0	4.0	4.1	4.2
68.5°	5.0	4.8	4.6	4.5	4.3	4.1	4.0	3.9	3.9	4.0	4.1
69°	4.9	4.8	4.6	4.4	4.2	4.0	3.9	3.8	3.8	3.9	4.0
69.5°	4.8	4.7	4.5	4.3	4.1	3.9	3.8	3.7	3.8	3.8	4.0
70°	4.7	4.6	4.4	4.2	4.1	3.9	3.7	3.7	3.7	3.8	3.9
70.5°	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.6	3.6	3.7	3.8
71°	4.6	4.5	4.3	4.1	3.9	3.7	3.6	3.5	3.5	3.6	3.7
71.5°	4.5	4.4	4.2	4.0	3.8	3.6	3.5	3.4	3.4	3.5	3.6
72°	4.4	4.3	4.1	3.9	3.7	3.5	3.4	3.3	3.3	3.4	3.5
72.5°	4.4	4.3	4.1	3.9	3.7	3.5	3.3	3.3	3.3	3.3	3.5
73°	4.3	4.2	4.0	3.8	3.6	3.4	3.3	3.2	3.2	3.3	3.4
73.5°	4.2	4.1	3.9	3.7	3.5	3.3	3.2	3.1	3.1	3.2	3.3
74°	4.1	4.0	3.9	3.6	3.4	3.3	3.1	3.0	3.0	3.1	3.2
74.5°	4.1	4.0	3.8	3.6	3.4	3.2	3.0	2.9	2.9	3.0	3.1
75°	4.0	3.9	3.7	3.5	3.3	3.1	2.9	2.8	2.8	2.9	3.0
75.5°	3.9	3.8	3.6	3.4	3.2	3.0	2.8	2.8	2.7	2.8	2.9
76°	3.8	3.7	3.5	3.3	3.1	2.9	2.8	2.7	2.6	2.7	2.8
76.5°	3.7	3.6	3.5	3.3	3.0	2.8	2.7	2.6	2.5	2.6	2.7
77°	3.6	3.6	3.4	3.2	2.9	2.7	2.6	2.5	2.4	2.5	2.6
77.5°	3.5	3.5	3.3	3.1	2.8	2.6	2.4	2.3	2.3	2.3	2.5
78°	3.4	3.3	3.2	2.9	2.7	2.5	2.3	2.2	2.1	2.2	2.3
78.5°	3.3	3.2	3.1	2.8	2.6	2.4	2.2	2.0	2.0	2.0	2.1
79°	3.2	3.1	3.0	2.7	2.5	2.2	2.0	1.9	1.8	1.8	1.9
79.5°	3.0	3.0	2.8	2.6	2.3	2.1	1.9	1.6	1.5	1.6	1.7
80°	2.9	2.8	2.7	2.4	2.1	1.8	1.6	1.4	1.2	1.3	1.4
80.5°	2.7	2.6	2.5	2.2	1.9	1.6	1.3	1.1	1.0	1.0	1.1
81°	2.4	2.4	2.3	2.0	1.6	1.3	1.0	0.8	0.7	0.7	0.8
81.5°	2.1	2.1	2.0	1.7	1.3	1.1	0.7	0.6	0.6	0.5	0.6
82°	1.7	1.8	1.6	1.3	1.1	0.7	0.5	0.5	0.5	0.4	0.4
82.5°	1.3	1.4	1.3	1.0	0.7	0.5	0.5	0.4	0.4	0.4	0.4
83°	0.9	1.0	0.9	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4
83.5°	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3
84°	0.5	0.5	0.5	0.4	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	0.3	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	0.2	0.2	0.2
85.5°	0.3	0.4	0.4	0.3	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	0.1	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: P979230
CATALOG NUMBER: PRLX-CYL2-X-927-10L-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: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3767.0	3767.0	3767.0	3767.0	3767.0	3767.0
0.5°	3750.8	3764.3	3768.4	3780.5	3777.2	3781.2
1°	3714.9	3725.7	3747.4	3760.9	3771.1	3787.3
1.5°	3673.6	3684.4	3705.4	3738.6	3761.6	3773.8
2°	3602.5	3619.5	3655.3	3685.8	3727.8	3758.2
2.5°	3528.1	3557.9	3601.9	3635.7	3687.1	3720.3
3°	3455.0	3491.6	3524.0	3583.6	3631.7	3685.8
3.5°	3354.8	3400.9	3463.1	3506.4	3577.5	3624.9
4°	3266.2	3310.2	3358.9	3428.6	3498.3	3568.7
4.5°	3184.3	3212.7	3280.4	3346.0	3426.6	3488.8
5°	3068.6	3113.9	3174.1	3251.3	3331.8	3410.3
5.5°	2959.6	3009.0	3067.2	3153.2	3241.8	3319.7
6°	2852.0	2901.4	2966.4	3055.0	3143.0	3232.3
6.5°	2731.5	2777.5	2850.0	2945.4	3039.5	3127.4
7°	2617.8	2663.8	2745.7	2826.9	2931.2	3030.0
7.5°	2501.4	2548.1	2628.6	2717.3	2823.6	2917.0
8°	2386.4	2434.4	2506.2	2609.0	2708.5	2808.7
8.5°	2268.6	2317.3	2388.4	2488.6	2595.5	2693.6
9°	2161.0	2205.0	2281.5	2378.2	2478.4	2578.6
9.5°	2045.3	2090.6	2166.4	2267.9	2374.9	2467.6
10°	1937.0	1979.6	2056.1	2147.5	2248.3	2354.6
10.5°	1829.4	1875.4	1943.7	2037.1	2142.7	2238.8
11°	1725.1	1761.7	1836.8	1930.9	2030.4	2123.1
11.5°	1622.3	1665.6	1730.6	1818.5	1921.4	2012.1
12°	1525.5	1566.8	1632.4	1721.1	1813.8	1901.8
12.5°	1437.5	1475.4	1537.0	1619.6	1713.6	1800.3
13°	1352.2	1383.4	1444.9	1527.5	1615.5	1700.8
13.5°	1269.7	1300.8	1357.0	1438.9	1522.8	1600.6
14°	1193.9	1227.0	1279.8	1350.9	1428.7	1504.5
14.5°	1120.1	1145.8	1200.6	1266.3	1346.1	1419.9
15°	1051.7	1076.1	1121.4	1189.8	1266.3	1335.3
15.5°	991.5	1015.9	1062.6	1118.1	1189.1	1251.4
16°	929.9	951.6	994.9	1049.7	1112.6	1175.6
16.5°	878.5	895.4	934.6	987.4	1048.3	1104.5
17°	827.7	844.6	880.5	926.5	984.7	1036.8
17.5°	777.6	797.3	827.7	873.7	921.8	975.3
18°	735.0	751.9	782.4	821.6	872.4	917.0
18.5°	697.8	710.6	737.7	775.6	824.3	863.6
19°	660.8	673.9	700.5	733.0	775.6	812.8
19.5°	629.3	640.4	661.4	694.4	732.3	768.2
20°	597.1	607.9	630.4	658.5	693.7	726.2
20.5°	567.6	577.3	595.3	623.3	655.5	684.2
21°	539.1	551.7	568.8	593.5	622.9	650.2
21.5°	517.1	527.0	542.0	565.9	591.5	615.7
22°	495.5	502.4	518.7	540.6	564.9	586.9

TEST NUMBER: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-MD-U-S-X-X-WHITE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	473.5	480.9	496.2	516.4	537.6	559.3
23°	452.9	461.2	473.8	493.0	513.1	532.5
23.5°	433.8	442.0	454.3	471.9	489.3	509.6
24°	414.9	423.0	433.6	452.2	468.7	486.5
24.5°	397.7	404.7	416.5	433.2	448.8	465.4
25°	380.6	388.3	398.3	415.8	430.2	445.1
25.5°	363.7	371.3	383.3	398.8	411.4	425.7
26°	346.3	355.0	364.7	382.3	394.8	408.4
26.5°	328.8	338.3	348.7	364.8	377.9	390.9
27°	313.2	321.9	331.4	347.3	360.1	373.4
27.5°	298.0	305.0	316.7	332.4	344.1	356.3
28°	281.3	290.3	300.3	318.0	329.9	341.8
28.5°	265.3	274.2	284.6	302.2	313.8	326.0
29°	249.1	258.5	268.8	286.3	298.3	309.9
29.5°	233.5	242.8	253.7	269.4	283.1	294.7
30°	217.7	226.0	238.0	254.5	267.3	280.4
30.5°	202.4	211.4	222.0	239.0	252.0	264.4
31°	187.7	194.1	205.8	222.2	236.5	247.8
31.5°	172.0	179.6	190.8	207.2	220.9	232.3
32°	157.8	166.5	175.9	191.7	205.5	216.8
32.5°	144.2	151.1	161.7	176.6	190.8	202.2
33°	131.2	137.5	148.6	163.1	176.8	187.8
33.5°	119.4	125.6	135.3	148.2	161.8	173.2
34°	107.8	112.4	122.8	134.7	148.8	159.3
34.5°	97.1	102.3	110.9	123.2	135.9	145.5
35°	87.1	92.4	99.5	110.0	123.0	132.3
35.5°	78.0	81.7	89.5	98.8	111.5	120.6
36°	69.8	73.6	80.1	90.7	100.5	108.9
36.5°	62.1	65.6	71.3	78.9	89.4	97.8
37°	55.0	57.8	63.9	70.0	80.4	88.0
37.5°	49.1	51.4	56.4	63.4	71.7	78.2
38°	43.6	45.7	49.6	55.8	62.8	69.1
38.5°	38.8	40.6	44.7	49.1	56.4	62.0
39°	34.5	36.3	39.6	44.4	50.3	54.7
39.5°	30.9	32.4	35.0	39.4	44.2	48.6
40°	27.9	29.1	31.7	35.1	39.8	43.7
40.5°	25.3	26.2	28.3	31.6	35.3	38.5
41°	22.9	23.8	25.4	28.2	31.2	34.1
41.5°	20.7	21.6	23.2	25.4	28.1	30.5
42°	18.9	19.7	20.9	22.8	25.3	27.0
42.5°	17.3	17.9	19.1	20.8	22.7	24.3
43°	15.8	16.4	17.6	19.0	20.7	22.0
43.5°	14.7	15.2	16.1	17.5	18.8	20.0
44°	13.7	14.1	15.0	16.0	17.2	18.3
44.5°	12.9	13.2	14.0	14.9	15.9	16.8

TEST NUMBER: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	12.1	12.5	13.1	13.9	14.7	15.5
45.5°	11.5	11.8	12.4	13.0	13.7	14.4
46°	11.0	11.2	11.8	12.3	12.9	13.4
46.5°	10.5	10.8	11.2	11.7	12.2	12.6
47°	10.1	10.3	10.7	11.1	11.6	11.9
47.5°	9.7	9.9	10.3	10.7	11.0	11.3
48°	9.3	9.6	9.9	10.3	10.5	10.8
48.5°	9.0	9.2	9.6	9.9	10.1	10.3
49°	8.8	9.0	9.3	9.6	9.8	9.9
49.5°	8.5	8.7	9.0	9.3	9.4	9.6
50°	8.3	8.5	8.8	9.1	9.2	9.2
50.5°	8.1	8.3	8.5	8.8	8.8	9.0
51°	7.9	8.1	8.3	8.6	8.6	8.7
51.5°	7.7	7.9	8.1	8.3	8.4	8.4
52°	7.5	7.7	7.9	8.2	8.2	8.2
52.5°	7.3	7.5	7.8	8.0	8.0	8.0
53°	7.2	7.4	7.6	7.8	7.8	7.8
53.5°	7.1	7.3	7.5	7.7	7.7	7.7
54°	6.9	7.1	7.4	7.5	7.5	7.5
54.5°	6.8	7.0	7.2	7.4	7.4	7.4
55°	6.7	6.9	7.1	7.3	7.3	7.3
55.5°	6.6	6.8	7.0	7.2	7.2	7.1
56°	6.5	6.7	6.9	7.1	7.0	7.0
56.5°	6.4	6.6	6.8	7.0	6.9	6.9
57°	6.3	6.5	6.7	6.9	6.8	6.8
57.5°	6.2	6.4	6.6	6.8	6.7	6.7
58°	6.1	6.3	6.5	6.7	6.6	6.6
58.5°	6.0	6.2	6.4	6.6	6.5	6.5
59°	5.9	6.1	6.3	6.5	6.5	6.4
59.5°	5.8	6.0	6.2	6.4	6.4	6.3
60°	5.7	5.9	6.2	6.3	6.3	6.3
60.5°	5.6	5.9	6.1	6.2	6.2	6.2
61°	5.5	5.8	6.0	6.2	6.1	6.1
61.5°	5.4	5.7	5.9	6.1	6.1	6.0
62°	5.4	5.6	5.8	6.0	6.0	5.9
62.5°	5.3	5.5	5.8	5.9	5.9	5.9
63°	5.2	5.4	5.7	5.8	5.8	5.8
63.5°	5.1	5.4	5.6	5.8	5.8	5.7
64°	5.0	5.3	5.5	5.7	5.7	5.6
64.5°	5.0	5.2	5.4	5.6	5.6	5.5
65°	4.9	5.1	5.4	5.5	5.5	5.5
65.5°	4.8	5.0	5.3	5.4	5.5	5.4
66°	4.7	5.0	5.2	5.4	5.4	5.3
66.5°	4.6	4.9	5.1	5.3	5.3	5.3
67°	4.5	4.8	5.0	5.2	5.2	5.2

TEST NUMBER: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	4.5	4.7	5.0	5.1	5.2	5.1
68°	4.4	4.6	4.9	5.0	5.1	5.0
68.5°	4.3	4.5	4.8	5.0	5.0	4.9
69°	4.2	4.5	4.7	4.9	4.9	4.9
69.5°	4.1	4.4	4.6	4.8	4.8	4.8
70°	4.1	4.3	4.6	4.7	4.8	4.7
70.5°	4.0	4.2	4.5	4.7	4.7	4.7
71°	3.9	4.1	4.4	4.6	4.6	4.6
71.5°	3.8	4.1	4.3	4.5	4.6	4.5
72°	3.8	4.0	4.2	4.4	4.5	4.4
72.5°	3.7	3.9	4.2	4.3	4.4	4.4
73°	3.6	3.8	4.1	4.2	4.3	4.3
73.5°	3.5	3.7	4.0	4.2	4.2	4.2
74°	3.4	3.6	3.9	4.1	4.2	4.1
74.5°	3.3	3.5	3.8	4.0	4.1	4.1
75°	3.2	3.5	3.7	3.9	4.0	4.0
75.5°	3.1	3.4	3.6	3.8	3.9	3.9
76°	3.0	3.3	3.5	3.7	3.8	3.8
76.5°	2.9	3.2	3.4	3.6	3.7	3.7
77°	2.8	3.0	3.3	3.5	3.6	3.6
77.5°	2.7	2.9	3.2	3.4	3.5	3.5
78°	2.5	2.8	3.1	3.3	3.4	3.4
78.5°	2.4	2.6	2.9	3.2	3.3	3.3
79°	2.2	2.5	2.7	3.0	3.1	3.2
79.5°	1.9	2.2	2.6	2.8	3.0	3.0
80°	1.6	1.9	2.3	2.6	2.8	2.9
80.5°	1.3	1.6	2.0	2.3	2.6	2.7
81°	0.9	1.2	1.7	2.0	2.3	2.4
81.5°	0.7	0.9	1.2	1.6	1.9	2.1
82°	0.5	0.6	0.9	1.2	1.5	1.7
82.5°	0.4	0.5	0.6	0.8	1.1	1.3
83°	0.4	0.4	0.4	0.5	0.7	0.9
83.5°	0.3	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	0.2	0.3	0.3	0.3	0.3
86°	0.2	0.2	0.2	0.3	0.3	0.3
86.5°	0.2	0.2	0.2	0.2	0.3	0.3
87°	0.1	0.2	0.2	0.2	0.2	0.3
87.5°	0.1	0.1	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	0.1
89.5°	0.0	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P979230
CATALOG NUMBER: PRLX-CYL2-X-927-10L-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: P979230

CATALOG NUMBER: PRLX-CYL2-X-927-10L-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	6.94	7.86	7.31	8.18	8.49	6.38	7.30	6.74	7.61	7.93
	3H	9.24	10.05	9.62	10.39	10.76	8.48	9.29	8.86	9.62	9.99
	4H	10.35	11.10	10.75	11.45	11.84	9.44	10.19	9.85	10.55	10.94
	6H	11.33	12.01	11.75	12.39	12.79	10.23	10.91	10.65	11.29	11.69
	8H	11.53	12.17	11.97	12.56	12.98	10.31	10.95	10.75	11.35	11.76
	12H	11.49	12.11	11.93	12.49	12.92	10.27	10.89	10.71	11.27	11.70
4H	2H	7.56	8.31	7.97	8.67	9.06	6.99	7.74	7.40	8.09	8.48
	3H	10.11	10.72	10.53	11.14	11.54	9.33	9.94	9.75	10.35	10.76
	4H	11.38	11.92	11.82	12.35	12.80	10.44	10.99	10.88	11.42	11.87
	6H	12.51	12.98	12.99	13.43	13.91	11.36	11.83	11.84	12.28	12.76
	8H	12.73	13.17	13.21	13.62	14.10	11.46	11.89	11.94	12.34	12.82
	12H	12.70	13.07	13.19	13.56	14.04	11.42	11.80	11.92	12.29	12.76
8H	4H	11.77	12.20	12.25	12.66	13.13	10.84	11.28	11.32	11.73	12.20
	6H	13.06	13.40	13.57	13.90	14.39	11.89	12.23	12.40	12.73	13.22
	8H	13.31	13.61	13.84	14.13	14.63	12.00	12.30	12.54	12.83	13.33
	12H	13.29	13.55	13.82	14.05	14.63	11.99	12.25	12.52	12.75	13.33
12H	4H	11.79	12.16	12.28	12.65	13.13	10.87	11.24	11.36	11.73	12.21
	6H	13.09	13.39	13.62	13.91	14.41	11.92	12.22	12.46	12.75	13.24
	8H	13.36	13.61	13.88	14.11	14.69	12.06	12.32	12.59	12.82	13.40

END OF REPORT