

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: P979229

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

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979229
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-NF-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, NARROW FLOOD OPTIC
1000 LUMENS
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

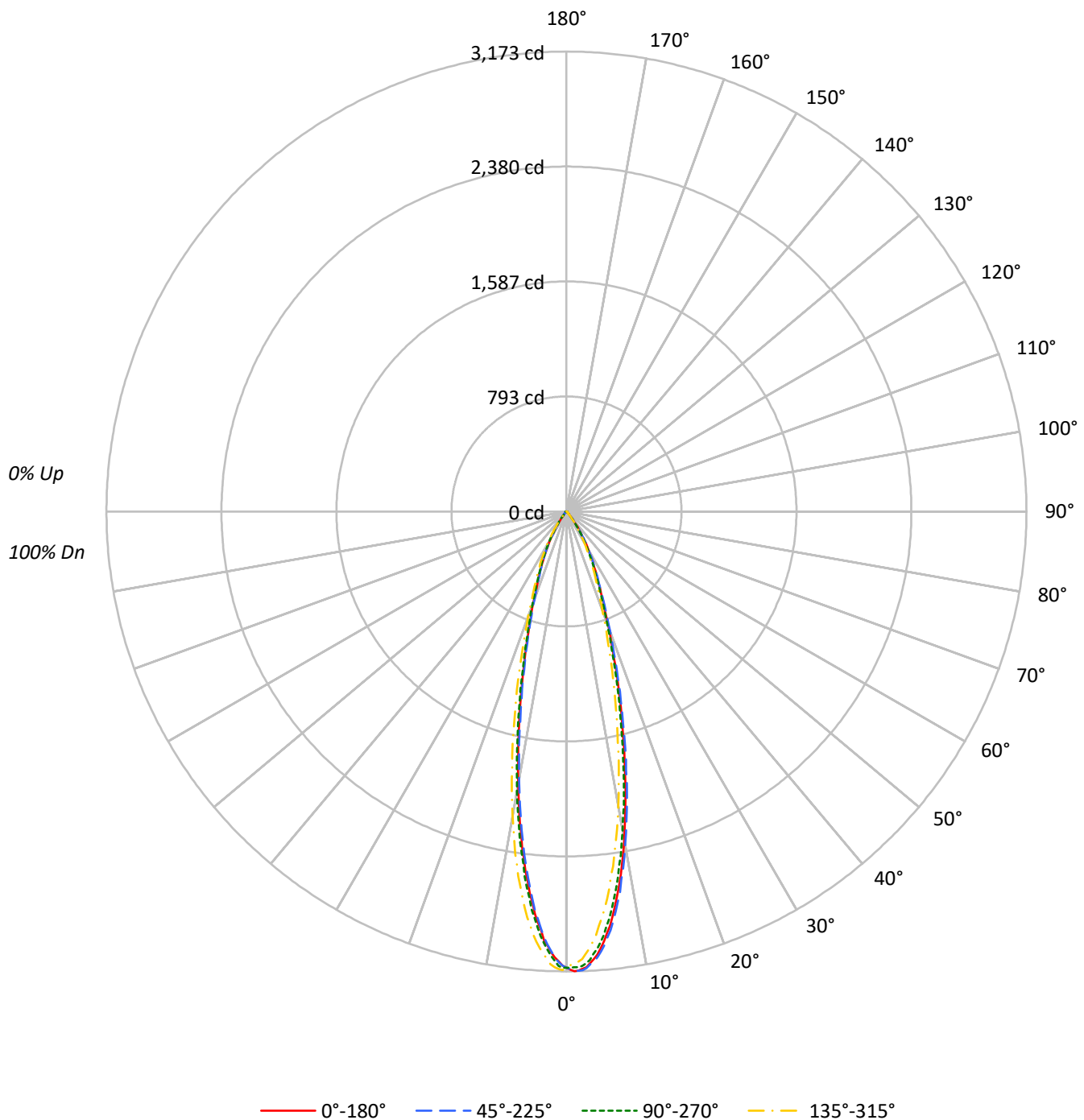
Lumens per Lamp: N/A
Luminaire Lumens: 924.1 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.47
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

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: P979229

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

Luminous Intensity Polar Plot



TEST NUMBER: P979229

CATALOG NUMBER: PRLX-CYL2-X-927-10L-NF-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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	101	96	93	104	99	95	92	97	94	91		94	92	90		92
4	102	96	91	88	100	95	91	87	93	89	86		91	88	85		89
5	98	91	87	83	97	91	86	83	89	85	82		87	84	82		86
6	95	88	83	79	93	87	82	79	86	82	79		84	81	78		83
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		78
9	86	78	73	70	85	77	73	70	77	73	70		76	72	70		75
10	83	75	71	68	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	978434	978434	978434	978434
5°	927704	915662	844941	859073
10°	723782	706268	604183	619141
15°	475331	460982	372987	385406
20°	281572	271717	218604	227169
25°	171552	163871	135102	141000
30°	108480	98970	76614	83683
35°	54100	46968	31413	36724
40°	18418	16795	11278	12698
45°	7384	7384	5933	6197
50°	5173	5125	4690	4738
55°	4551	4335	4172	4280
60°	4413	4040	3978	4289
65°	4486	3897	3897	4412
70°	4725	3907	3998	4634
75°	5283	4082	4082	5043
80°	5727	3937	2684	4295
85°	1426	1426	1070	1070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7735 cd/sqm

TEST NUMBER: P979229

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.1	26.7
10°-20°	362.9	39.3
20°-30°	208.6	22.6
30°-40°	74.4	8.0
40°-50°	13.4	1.5
50°-60°	7.3	0.8
60°-70°	5.7	0.6
70°-80°	4.0	0.4
80°-90°	0.7	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°	818.7	88.6
0°-40°	893.0	96.6
0°-60°	913.8	98.9
0°-90°	924.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3148	3148	3148	3148	3148	
5°	2974	2935	2708	2754	2981	262
15°	1477	1433	1159	1198	1482	405
25°	500	478	394	411	501	236
35°	143	124	83	97	143	93
45°	17	17	14	14	17	15
55°	8	8	8	8	8	8
65°	6	5	5	6	6	6
75°	4	3	3	4	4	5
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P979229

CATALOG NUMBER: PRLX-CYL2-X-927-10L-NF-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°	3148.4	3148.4	3148.4	3148.4	3148.4	3148.4	3148.4	3148.4	3148.4	3148.4	3148.4
0.5°	3163.3	3164.7	3159.2	3151.1	3147.7	3140.3	3129.5	3132.2	3131.5	3133.5	3131.5
1°	3172.8	3172.8	3167.4	3156.5	3145.7	3143.0	3124.1	3118.0	3103.1	3106.5	3110.5
1.5°	3170.8	3168.0	3170.1	3152.5	3147.1	3128.8	3108.5	3088.9	3078.0	3071.3	3078.0
2°	3157.2	3166.0	3167.4	3146.4	3137.6	3108.5	3088.9	3059.8	3040.8	3027.9	3036.7
2.5°	3147.1	3159.9	3152.5	3139.6	3121.3	3082.8	3055.0	3023.9	2996.8	2987.3	2989.4
3°	3122.7	3136.9	3128.8	3118.0	3098.3	3059.8	3018.5	2979.9	2961.6	2946.1	2941.3
3.5°	3093.6	3110.5	3114.6	3087.5	3057.1	3023.2	2972.5	2935.9	2891.9	2884.5	2883.1
4°	3065.2	3085.5	3080.1	3057.1	3025.2	2977.2	2931.8	2874.3	2837.8	2820.2	2818.8
4.5°	3023.2	3042.2	3043.5	3023.9	2986.0	2935.2	2866.9	2824.2	2786.3	2762.6	2760.6
5°	2973.8	3006.3	3002.2	2976.5	2935.2	2877.7	2812.7	2756.6	2708.5	2692.9	2682.8
5.5°	2921.7	2954.9	2950.8	2929.1	2879.7	2816.1	2753.8	2687.5	2646.2	2616.5	2613.8
6°	2874.3	2902.1	2906.1	2872.3	2824.2	2755.2	2686.8	2618.5	2564.3	2541.3	2541.3
6.5°	2807.3	2845.9	2844.5	2816.1	2757.2	2692.9	2618.5	2544.7	2500.1	2464.2	2456.7
7°	2747.1	2781.6	2780.2	2751.8	2691.6	2617.1	2530.5	2468.9	2407.3	2385.0	2384.3
7.5°	2679.4	2720.0	2715.9	2684.8	2623.2	2546.1	2470.3	2388.4	2333.6	2301.8	2296.3
8°	2608.3	2648.3	2653.7	2615.8	2552.8	2473.7	2383.6	2307.8	2246.9	2221.2	2219.9
8.5°	2531.9	2568.4	2568.4	2533.2	2468.9	2395.8	2309.2	2226.6	2175.2	2131.2	2133.9
9°	2453.4	2494.6	2499.4	2468.2	2397.2	2308.5	2223.9	2146.8	2079.8	2053.4	2046.6
9.5°	2375.5	2421.5	2421.5	2382.3	2309.2	2232.0	2142.0	2062.2	1999.2	1967.4	1966.1
10°	2293.6	2333.6	2336.9	2295.7	2238.1	2149.5	2063.5	1975.5	1914.6	1881.5	1882.8
10.5°	2214.4	2251.0	2259.1	2219.9	2144.7	2062.8	1977.6	1897.0	1833.4	1803.0	1794.2
11°	2129.2	2167.8	2169.8	2135.3	2068.9	1983.7	1888.9	1814.5	1750.9	1714.3	1712.9
11.5°	2040.5	2087.2	2086.5	2052.0	1986.4	1900.4	1811.8	1728.5	1668.3	1633.1	1634.4
12°	1956.6	1999.9	2008.0	1968.1	1899.7	1815.1	1730.5	1646.6	1586.4	1560.0	1556.6
12.5°	1876.1	1909.9	1920.0	1882.1	1813.8	1733.3	1645.3	1567.4	1511.3	1479.5	1475.4
13°	1790.8	1828.7	1831.4	1794.8	1738.0	1650.7	1563.4	1487.6	1435.5	1401.0	1395.5
13.5°	1708.2	1750.9	1754.2	1725.1	1660.8	1576.2	1491.6	1416.5	1359.7	1330.6	1329.9
14°	1629.7	1673.7	1674.4	1641.9	1578.3	1505.9	1420.6	1346.1	1287.9	1263.6	1260.2
14.5°	1549.8	1589.1	1597.2	1561.3	1503.8	1428.0	1348.8	1279.1	1227.0	1199.3	1195.2
15°	1477.4	1509.2	1513.3	1486.9	1432.8	1352.2	1276.4	1208.7	1159.3	1131.6	1129.6
15.5°	1401.0	1436.8	1440.9	1413.1	1355.6	1283.9	1206.7	1145.1	1093.0	1069.3	1062.6
16°	1328.5	1361.7	1364.4	1339.4	1285.2	1216.9	1143.1	1081.5	1034.1	1012.5	1009.1
16.5°	1256.1	1290.0	1296.7	1267.6	1216.2	1153.2	1082.2	1023.3	980.0	958.3	953.6
17°	1188.4	1221.6	1227.0	1203.3	1153.2	1090.3	1023.3	967.8	924.5	904.9	901.5
17.5°	1126.9	1154.6	1156.0	1137.0	1091.7	1028.7	965.8	913.7	871.7	853.4	849.4
18°	1065.3	1091.7	1096.4	1072.0	1026.0	972.5	910.3	859.5	823.7	806.7	804.7
18.5°	1005.0	1031.4	1036.2	1013.2	970.5	919.8	861.6	814.9	775.6	760.7	760.0
19°	948.2	974.6	978.0	960.4	921.8	869.0	814.9	770.2	735.7	720.8	718.7
19.5°	900.1	925.8	929.9	908.9	870.3	823.0	771.5	728.9	699.8	684.9	684.2
20°	851.4	871.7	877.8	857.5	821.6	776.3	728.2	688.3	661.0	646.3	647.7
20.5°	802.7	825.7	827.0	811.5	778.3	735.0	689.6	652.8	623.7	612.5	613.6
21°	761.4	778.3	781.0	768.2	735.0	696.4	653.7	619.4	593.3	582.2	582.2
21.5°	720.1	735.7	738.4	725.5	694.4	657.4	617.6	585.9	563.5	550.8	552.4
22°	682.2	698.4	699.1	684.2	655.9	621.8	584.9	555.2	533.6	524.4	525.2

TEST NUMBER: P979229

CATALOG NUMBER: PRLX-CYL2-X-927-10L-NF-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°	645.1	661.5	662.0	647.9	621.8	590.7	556.3	528.0	507.6	498.7	499.5
23°	615.3	626.1	627.2	614.5	590.0	559.0	527.8	502.0	483.8	474.6	476.1
23.5°	582.2	591.4	594.6	582.0	559.2	530.9	500.4	476.7	459.5	450.3	453.1
24°	552.9	563.8	565.0	552.7	529.3	504.5	476.0	452.2	436.0	429.2	432.1
24.5°	526.0	534.3	535.3	524.2	502.7	479.6	452.1	429.0	415.2	408.2	411.1
25°	500.3	507.7	506.2	496.9	477.9	454.9	429.7	408.2	394.0	387.5	389.4
25.5°	477.1	483.2	483.4	471.2	453.0	432.3	407.7	388.1	374.5	367.8	370.0
26°	455.4	461.1	460.2	448.2	429.9	410.7	387.3	368.4	355.4	348.6	352.2
26.5°	431.5	436.7	436.3	425.4	408.2	389.7	366.6	348.1	335.9	329.7	333.1
27°	410.3	414.0	414.4	404.3	387.7	367.5	346.9	329.1	317.3	311.1	314.2
27.5°	393.0	394.8	393.1	384.2	366.8	348.5	329.1	309.8	298.7	293.3	296.7
28°	373.8	376.0	374.3	364.1	348.3	329.7	310.5	291.6	281.5	275.2	279.4
28.5°	354.4	356.9	355.6	343.6	328.7	311.3	290.6	273.5	264.1	257.2	262.3
29°	336.8	338.4	337.2	324.9	310.4	293.2	273.4	256.6	246.8	240.7	245.0
29.5°	319.9	320.1	319.0	307.9	292.8	275.0	256.2	239.8	229.8	224.4	228.1
30°	302.3	303.6	301.2	290.5	275.8	257.2	239.3	222.9	213.5	208.5	211.6
30.5°	284.7	287.1	284.2	273.1	258.7	240.6	223.3	206.4	198.4	193.0	196.3
31°	268.3	270.2	266.5	255.4	241.5	223.9	206.9	190.3	182.6	176.9	181.2
31.5°	251.2	252.4	249.1	237.9	223.7	207.7	191.3	175.0	167.2	161.8	165.9
32°	235.0	235.6	233.0	222.0	208.2	192.2	175.6	160.4	152.4	147.9	151.9
32.5°	217.7	218.9	216.7	205.6	192.5	176.6	160.5	146.0	138.5	134.5	138.1
33°	202.0	202.9	200.9	189.8	178.2	161.6	146.6	133.1	125.5	121.6	125.1
33.5°	186.6	188.1	185.6	175.3	163.3	148.2	133.8	121.4	114.1	110.5	113.2
34°	171.6	173.1	170.2	161.0	148.8	135.4	122.1	109.4	103.1	99.9	101.9
34.5°	157.6	158.6	156.1	146.7	136.0	123.2	110.5	98.5	92.5	90.0	91.6
35°	142.6	144.3	141.8	133.5	123.8	111.1	99.5	88.6	82.8	80.3	82.0
35.5°	129.1	130.6	128.4	121.1	112.1	99.9	89.5	79.3	73.8	71.6	73.2
36°	116.5	118.2	116.1	109.7	100.9	89.5	79.9	70.8	66.0	63.8	65.5
36.5°	104.3	106.1	103.8	98.1	90.2	80.4	71.6	63.4	58.8	56.8	58.0
37°	93.1	95.1	93.0	87.6	80.6	72.1	64.1	56.6	52.7	50.8	51.6
37.5°	83.1	85.1	83.2	78.7	72.2	64.2	57.1	50.7	47.1	45.6	46.1
38°	73.9	75.7	74.2	70.3	64.6	57.9	51.3	45.2	42.0	40.8	41.2
38.5°	65.7	67.4	66.2	63.3	58.0	51.8	45.8	40.6	37.6	36.6	37.0
39°	58.2	59.9	58.6	56.0	51.5	46.3	41.1	36.7	33.8	33.0	33.2
39.5°	51.4	53.1	52.0	49.8	46.2	41.5	37.2	33.1	30.6	29.9	29.9
40°	45.4	47.2	46.5	44.4	41.4	37.2	33.4	30.0	27.8	27.1	27.2
40.5°	40.1	41.8	41.2	39.5	37.1	33.5	30.2	27.1	25.3	24.6	24.7
41°	35.6	37.1	36.6	35.3	33.3	30.3	27.4	24.7	23.1	22.5	22.6
41.5°	31.7	33.3	33.1	31.7	30.0	27.5	24.9	22.4	21.1	20.7	20.8
42°	28.3	29.5	29.3	28.3	27.2	25.0	22.8	20.6	19.4	19.0	19.1
42.5°	25.4	26.6	26.6	25.9	24.7	22.9	20.8	19.0	17.9	17.7	17.7
43°	23.1	24.2	24.2	23.7	22.7	21.1	19.3	17.6	16.7	16.5	16.6
43.5°	21.1	22.0	22.1	21.8	20.9	19.5	17.9	16.5	15.7	15.5	15.6
44°	19.5	20.4	20.5	20.2	19.4	18.0	16.7	15.5	14.9	14.7	14.7
44.5°	18.1	18.8	18.9	18.6	18.0	16.9	15.7	14.7	14.2	14.0	14.0

TEST NUMBER: P979229

CATALOG NUMBER: PRLX-CYL2-X-927-10L-NF-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°	16.8	17.5	17.6	17.3	16.8	15.8	14.8	13.9	13.5	13.3	13.3
45.5°	15.7	16.3	16.5	16.2	15.7	14.9	14.1	13.3	12.9	12.8	12.7
46°	14.8	15.3	15.4	15.2	14.8	14.1	13.4	12.7	12.4	12.3	12.2
46.5°	14.1	14.5	14.6	14.4	14.0	13.5	12.8	12.2	11.9	11.8	11.7
47°	13.4	13.7	13.8	13.7	13.3	12.8	12.3	11.8	11.5	11.4	11.4
47.5°	12.8	13.1	13.2	13.1	12.7	12.3	11.8	11.3	11.1	11.0	11.0
48°	12.3	12.5	12.7	12.5	12.2	11.8	11.4	11.0	10.8	10.7	10.7
48.5°	11.9	12.1	12.2	12.0	11.7	11.4	11.0	10.6	10.5	10.4	10.4
49°	11.4	11.6	11.7	11.6	11.3	11.0	10.7	10.3	10.2	10.1	10.1
49.5°	11.1	11.2	11.3	11.2	10.9	10.6	10.3	10.0	9.9	9.8	9.8
50°	10.7	10.8	10.9	10.8	10.6	10.3	10.1	9.8	9.7	9.6	9.6
50.5°	10.4	10.5	10.5	10.4	10.2	10.0	9.8	9.5	9.4	9.4	9.4
51°	10.1	10.2	10.2	10.1	9.9	9.7	9.5	9.3	9.2	9.1	9.2
51.5°	9.8	9.9	9.9	9.8	9.6	9.4	9.2	9.0	9.0	8.9	9.0
52°	9.6	9.6	9.6	9.5	9.3	9.2	9.0	8.8	8.7	8.7	8.8
52.5°	9.3	9.3	9.3	9.3	9.1	8.9	8.8	8.6	8.5	8.5	8.6
53°	9.1	9.1	9.1	9.0	8.8	8.7	8.6	8.4	8.4	8.4	8.4
53.5°	8.9	8.9	8.9	8.8	8.6	8.5	8.4	8.2	8.2	8.2	8.2
54°	8.7	8.7	8.7	8.5	8.4	8.3	8.2	8.1	8.1	8.0	8.1
54.5°	8.6	8.5	8.5	8.3	8.2	8.1	8.0	7.9	7.9	7.9	8.0
55°	8.4	8.3	8.3	8.2	8.0	7.9	7.8	7.7	7.7	7.8	7.8
55.5°	8.2	8.2	8.1	8.0	7.8	7.7	7.7	7.6	7.6	7.6	7.7
56°	8.1	8.0	7.9	7.8	7.6	7.6	7.5	7.4	7.4	7.5	7.6
56.5°	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.3	7.3	7.3	7.4
57°	7.8	7.7	7.6	7.4	7.3	7.2	7.2	7.1	7.2	7.2	7.3
57.5°	7.7	7.5	7.4	7.3	7.2	7.1	7.1	7.0	7.0	7.1	7.2
58°	7.5	7.4	7.3	7.2	7.0	7.0	6.9	6.9	6.9	7.0	7.1
58.5°	7.4	7.3	7.2	7.0	6.9	6.8	6.8	6.7	6.8	6.9	7.0
59°	7.3	7.2	7.0	6.9	6.8	6.7	6.6	6.6	6.7	6.8	6.9
59.5°	7.2	7.1	6.9	6.7	6.6	6.5	6.5	6.5	6.5	6.6	6.8
60°	7.1	6.9	6.8	6.6	6.5	6.4	6.4	6.3	6.4	6.5	6.7
60.5°	7.0	6.8	6.7	6.5	6.4	6.3	6.3	6.2	6.3	6.4	6.5
61°	6.9	6.7	6.5	6.4	6.2	6.2	6.1	6.1	6.2	6.3	6.4
61.5°	6.8	6.6	6.4	6.2	6.1	6.0	6.0	6.0	6.1	6.2	6.4
62°	6.7	6.5	6.3	6.1	6.0	5.9	5.9	5.9	6.0	6.1	6.3
62.5°	6.6	6.4	6.2	6.0	5.9	5.8	5.8	5.8	5.9	6.0	6.2
63°	6.5	6.3	6.1	5.9	5.8	5.7	5.7	5.7	5.8	5.9	6.1
63.5°	6.4	6.2	6.0	5.8	5.6	5.6	5.6	5.6	5.7	5.8	6.0
64°	6.3	6.1	5.9	5.7	5.5	5.5	5.5	5.4	5.6	5.7	5.9
64.5°	6.2	6.0	5.8	5.6	5.4	5.4	5.3	5.3	5.4	5.6	5.8
65°	6.1	5.9	5.7	5.5	5.3	5.3	5.2	5.2	5.3	5.5	5.7
65.5°	6.0	5.8	5.6	5.3	5.2	5.1	5.1	5.2	5.2	5.4	5.6
66°	5.9	5.7	5.5	5.2	5.1	5.0	5.0	5.0	5.1	5.3	5.5
66.5°	5.8	5.6	5.4	5.2	5.0	4.9	4.9	4.9	5.0	5.2	5.4
67°	5.8	5.5	5.3	5.1	4.9	4.8	4.8	4.8	5.0	5.1	5.3

TEST NUMBER: P979229

CATALOG NUMBER: PRLX-CYL2-X-927-10L-NF-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°	5.7	5.4	5.2	5.0	4.8	4.7	4.7	4.8	4.9	5.0	5.2
68°	5.6	5.4	5.1	4.8	4.7	4.6	4.6	4.7	4.8	4.9	5.1
68.5°	5.5	5.3	5.0	4.8	4.6	4.5	4.5	4.5	4.7	4.8	5.0
69°	5.4	5.2	4.9	4.7	4.5	4.5	4.4	4.5	4.6	4.7	5.0
69.5°	5.3	5.1	4.8	4.6	4.4	4.3	4.3	4.4	4.5	4.6	4.9
70°	5.2	5.0	4.7	4.5	4.3	4.2	4.2	4.3	4.4	4.6	4.8
70.5°	5.1	4.9	4.6	4.4	4.2	4.2	4.1	4.2	4.3	4.5	4.7
71°	5.1	4.8	4.6	4.3	4.1	4.1	4.0	4.1	4.2	4.4	4.6
71.5°	5.0	4.8	4.5	4.2	4.0	4.0	3.9	4.0	4.1	4.3	4.5
72°	4.9	4.7	4.4	4.1	4.0	3.9	3.9	3.9	4.0	4.2	4.4
72.5°	4.8	4.6	4.3	4.0	3.9	3.8	3.8	3.8	3.9	4.1	4.3
73°	4.7	4.5	4.2	4.0	3.8	3.7	3.7	3.7	3.8	4.0	4.2
73.5°	4.6	4.4	4.1	3.9	3.7	3.6	3.6	3.6	3.7	3.9	4.1
74°	4.5	4.3	4.1	3.8	3.6	3.5	3.5	3.5	3.6	3.8	4.0
74.5°	4.4	4.2	4.0	3.7	3.5	3.4	3.4	3.4	3.5	3.7	3.9
75°	4.4	4.1	3.9	3.6	3.4	3.3	3.3	3.3	3.4	3.6	3.8
75.5°	4.3	4.1	3.8	3.5	3.3	3.2	3.2	3.2	3.3	3.4	3.7
76°	4.2	4.0	3.7	3.4	3.2	3.1	3.0	3.1	3.2	3.3	3.5
76.5°	4.1	3.9	3.6	3.3	3.1	3.0	2.9	3.0	3.0	3.2	3.4
77°	4.0	3.8	3.5	3.2	3.0	2.9	2.8	2.8	2.9	3.0	3.2
77.5°	3.9	3.7	3.4	3.1	2.9	2.7	2.7	2.7	2.7	2.9	3.1
78°	3.7	3.5	3.3	3.0	2.8	2.6	2.6	2.5	2.6	2.7	2.9
78.5°	3.6	3.4	3.2	2.9	2.6	2.5	2.4	2.4	2.4	2.5	2.7
79°	3.5	3.3	3.0	2.7	2.5	2.3	2.2	2.2	2.1	2.2	2.5
79.5°	3.3	3.1	2.9	2.6	2.3	2.2	2.0	1.9	1.9	1.9	2.1
80°	3.2	3.0	2.7	2.4	2.2	1.9	1.8	1.6	1.5	1.5	1.7
80.5°	3.0	2.8	2.6	2.2	1.9	1.7	1.5	1.3	1.1	1.1	1.3
81°	2.7	2.6	2.3	2.0	1.7	1.4	1.2	1.0	0.8	0.8	0.9
81.5°	2.4	2.3	2.0	1.7	1.4	1.1	0.8	0.7	0.6	0.6	0.6
82°	2.0	1.9	1.7	1.4	1.1	0.8	0.7	0.5	0.5	0.5	0.5
82.5°	1.6	1.5	1.3	1.0	0.7	0.6	0.5	0.5	0.4	0.4	0.4
83°	1.1	1.1	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.4
83.5°	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4
84°	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3
84.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3
85°	0.4	0.5	0.4	0.4	0.4	0.4	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	0.3	0.2	0.2	0.2
86°	0.4	0.4	0.4	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	0.2
87.5°	0.3	0.3	0.3	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°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
89.5°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0



TEST NUMBER: P979229
CATALOG NUMBER: PRLX-CYL2-X-927-10L-NF-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: P979229

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3148.4	3148.4	3148.4	3148.4	3148.4	3148.4
0.5°	3147.7	3147.7	3152.5	3164.7	3166.0	3162.0
1°	3118.0	3134.9	3139.6	3156.5	3163.3	3162.0
1.5°	3085.5	3101.0	3119.3	3145.0	3145.7	3168.7
2°	3048.9	3067.2	3095.0	3124.7	3141.6	3159.2
2.5°	3006.3	3026.6	3061.1	3088.2	3122.7	3141.0
3°	2952.8	2983.3	3021.9	3057.7	3095.0	3122.7
3.5°	2904.8	2934.6	2973.8	3017.1	3061.1	3098.3
4°	2841.8	2877.0	2923.0	2974.5	3025.2	3059.1
4.5°	2779.6	2812.7	2868.2	2929.8	2981.3	3019.8
5°	2708.5	2753.8	2806.6	2869.6	2930.5	2981.3
5.5°	2635.4	2676.0	2741.0	2812.7	2877.0	2921.0
6°	2564.3	2609.0	2670.6	2746.4	2824.2	2875.0
6.5°	2482.5	2535.2	2605.6	2682.8	2752.5	2812.7
7°	2406.0	2449.3	2523.7	2608.3	2689.6	2746.4
7.5°	2323.4	2375.5	2448.6	2538.6	2620.5	2682.8
8°	2242.2	2296.3	2373.5	2460.8	2548.1	2610.4
8.5°	2163.0	2207.7	2291.6	2389.1	2466.2	2539.3
9°	2073.0	2130.5	2205.0	2305.1	2396.5	2461.5
9.5°	1991.8	2044.6	2130.5	2219.2	2315.3	2376.2
10°	1908.5	1962.0	2041.9	2141.4	2229.3	2301.8
10.5°	1824.6	1877.4	1957.3	2058.1	2150.2	2216.5
11°	1740.7	1795.5	1879.4	1974.9	2061.5	2132.6
11.5°	1660.2	1711.6	1794.2	1887.6	1981.6	2045.3
12°	1581.0	1635.1	1712.3	1805.7	1894.3	1964.0
12.5°	1497.7	1551.9	1627.7	1724.5	1809.1	1876.1
13°	1424.6	1472.7	1549.8	1644.6	1731.2	1796.2
13.5°	1352.9	1403.0	1475.4	1564.1	1649.3	1712.3
14°	1285.2	1327.2	1404.3	1491.6	1572.9	1631.1
14.5°	1219.6	1267.6	1331.2	1416.5	1498.4	1556.6
15°	1151.9	1197.9	1261.5	1340.7	1421.9	1481.5
15.5°	1087.6	1128.2	1193.9	1274.4	1348.2	1405.7
16°	1029.4	1070.0	1132.3	1204.0	1278.5	1328.5
16.5°	973.2	1014.5	1070.7	1141.7	1209.4	1260.9
17°	919.8	959.7	1011.1	1078.1	1146.5	1195.9
17.5°	871.0	904.2	952.9	1019.9	1082.9	1129.6
18°	823.0	854.1	901.5	962.4	1021.3	1068.0
18.5°	777.0	806.1	855.5	910.3	964.4	1007.1
19°	735.0	763.4	807.4	858.2	911.6	952.9
19.5°	696.4	726.2	764.1	811.5	864.3	902.8
20°	661.7	686.9	723.5	769.5	816.9	855.5
20.5°	628.1	649.8	684.2	730.3	771.5	806.1
21°	593.1	617.0	649.1	689.0	728.9	762.1
21.5°	562.6	584.7	615.0	651.2	687.6	720.1
22°	536.4	554.8	582.8	618.5	651.3	683.6

TEST NUMBER: P979229

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	511.5	528.3	555.0	589.9	618.8	646.4
23°	486.2	503.0	527.6	560.2	587.5	613.7
23.5°	461.8	477.3	502.2	531.8	556.9	583.4
24°	438.8	454.7	477.7	508.0	528.5	553.5
24.5°	418.1	432.4	453.8	485.1	503.2	527.2
25°	399.2	411.2	432.9	462.8	479.6	501.0
25.5°	379.1	391.1	412.0	442.1	457.4	476.7
26°	360.3	373.0	391.9	423.5	435.9	454.3
26.5°	340.9	354.9	371.8	403.8	414.8	433.0
27°	322.7	334.6	353.5	384.9	394.8	412.0
27.5°	305.0	316.9	335.8	367.0	376.0	393.4
28°	287.8	300.1	317.8	350.4	357.8	374.1
28.5°	270.4	282.7	300.1	333.7	339.5	354.3
29°	254.1	265.8	282.8	316.0	322.1	337.6
29.5°	236.9	249.5	266.1	299.1	306.0	320.3
30°	220.3	233.2	249.6	281.6	288.5	302.1
30.5°	204.7	217.1	233.8	264.6	271.5	285.5
31°	189.4	201.8	217.9	247.4	254.7	268.1
31.5°	173.9	186.4	201.7	229.9	238.4	251.8
32°	159.4	171.4	185.9	213.1	221.7	235.3
32.5°	145.3	157.1	171.1	196.4	205.2	218.3
33°	132.2	143.9	156.7	180.2	189.3	202.0
33.5°	120.0	131.2	143.3	164.9	174.7	186.8
34°	108.4	119.2	130.7	148.6	159.9	171.8
34.5°	97.9	107.7	118.2	134.3	145.4	157.4
35°	87.4	96.8	106.4	120.6	132.1	143.1
35.5°	78.0	86.4	95.6	107.5	118.9	129.5
36°	69.9	77.2	85.5	95.6	106.8	116.8
36.5°	62.0	69.1	76.5	84.5	95.6	105.0
37°	55.2	61.5	68.0	74.9	85.3	93.7
37.5°	49.3	54.8	60.6	65.8	75.8	83.2
38°	43.8	48.8	53.9	58.0	67.2	73.8
38.5°	39.1	43.5	47.9	51.3	59.6	65.9
39°	35.3	39.0	42.5	45.2	52.7	58.2
39.5°	31.7	34.9	38.0	40.1	46.7	51.6
40°	28.6	31.3	33.9	35.5	41.3	45.7
40.5°	25.9	28.1	30.4	31.6	36.6	40.4
41°	23.5	25.4	27.4	28.2	32.6	35.7
41.5°	21.5	23.1	24.8	25.4	29.0	31.8
42°	19.8	21.1	22.6	23.2	26.1	28.2
42.5°	18.3	19.5	20.7	21.2	23.5	25.4
43°	17.0	18.0	19.2	19.6	21.5	23.1
43.5°	15.9	16.9	17.9	18.2	19.8	21.2
44°	15.1	15.8	16.7	17.1	18.4	19.5
44.5°	14.3	14.9	15.7	16.1	17.3	18.1

TEST NUMBER: P979229

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	13.5	14.1	14.8	15.1	16.0	16.8
45.5°	12.9	13.4	14.0	14.4	15.1	15.7
46°	12.4	12.7	13.3	13.7	14.3	14.8
46.5°	11.9	12.2	12.7	13.0	13.6	14.1
47°	11.5	11.7	12.2	12.5	13.0	13.4
47.5°	11.1	11.3	11.8	12.1	12.4	12.8
48°	10.8	11.0	11.3	11.6	12.0	12.3
48.5°	10.4	10.6	11.0	11.2	11.6	11.8
49°	10.1	10.3	10.6	10.9	11.2	11.4
49.5°	9.9	10.0	10.3	10.6	10.9	11.0
50°	9.6	9.8	10.1	10.3	10.5	10.7
50.5°	9.4	9.5	9.8	10.0	10.2	10.4
51°	9.2	9.3	9.5	9.8	9.9	10.1
51.5°	9.0	9.1	9.3	9.5	9.7	9.8
52°	8.8	8.9	9.1	9.3	9.5	9.5
52.5°	8.6	8.7	8.9	9.1	9.3	9.3
53°	8.5	8.5	8.7	8.9	9.0	9.1
53.5°	8.3	8.4	8.6	8.8	8.9	8.9
54°	8.1	8.2	8.4	8.6	8.7	8.7
54.5°	8.0	8.1	8.3	8.5	8.5	8.5
55°	7.9	7.9	8.1	8.3	8.4	8.4
55.5°	7.7	7.8	8.0	8.1	8.2	8.2
56°	7.6	7.7	7.9	8.0	8.1	8.1
56.5°	7.5	7.6	7.8	7.9	8.0	7.9
57°	7.4	7.5	7.7	7.8	7.8	7.8
57.5°	7.3	7.4	7.6	7.7	7.7	7.6
58°	7.2	7.3	7.4	7.6	7.6	7.5
58.5°	7.1	7.2	7.3	7.5	7.5	7.4
59°	7.0	7.1	7.2	7.3	7.3	7.3
59.5°	6.9	7.0	7.1	7.2	7.2	7.2
60°	6.8	6.9	7.1	7.1	7.1	7.1
60.5°	6.7	6.8	6.9	7.0	7.0	7.0
61°	6.6	6.7	6.8	6.9	6.9	6.9
61.5°	6.5	6.6	6.8	6.8	6.8	6.8
62°	6.4	6.5	6.7	6.7	6.7	6.7
62.5°	6.3	6.4	6.6	6.7	6.7	6.6
63°	6.2	6.3	6.5	6.6	6.6	6.5
63.5°	6.1	6.2	6.4	6.5	6.5	6.4
64°	6.0	6.1	6.3	6.4	6.4	6.3
64.5°	5.9	6.0	6.2	6.3	6.3	6.2
65°	5.8	6.0	6.1	6.2	6.2	6.1
65.5°	5.7	5.9	6.1	6.1	6.1	6.0
66°	5.6	5.8	6.0	6.0	6.0	5.9
66.5°	5.6	5.7	5.9	5.9	5.9	5.8
67°	5.5	5.6	5.8	5.9	5.8	5.8

TEST NUMBER: P979229

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	5.4	5.5	5.7	5.8	5.8	5.7
68°	5.3	5.4	5.6	5.7	5.7	5.6
68.5°	5.2	5.4	5.5	5.6	5.6	5.5
69°	5.1	5.3	5.5	5.5	5.5	5.4
69.5°	5.0	5.2	5.4	5.4	5.4	5.3
70°	4.9	5.1	5.3	5.4	5.3	5.2
70.5°	4.8	5.0	5.2	5.3	5.2	5.1
71°	4.8	4.9	5.1	5.2	5.2	5.1
71.5°	4.7	4.8	5.0	5.1	5.1	5.0
72°	4.6	4.8	4.9	5.0	5.0	4.9
72.5°	4.5	4.7	4.9	4.9	4.9	4.8
73°	4.4	4.6	4.8	4.8	4.8	4.7
73.5°	4.3	4.5	4.7	4.8	4.7	4.6
74°	4.2	4.4	4.6	4.7	4.6	4.5
74.5°	4.1	4.3	4.5	4.6	4.6	4.4
75°	4.0	4.2	4.4	4.5	4.5	4.4
75.5°	3.9	4.1	4.3	4.4	4.4	4.3
76°	3.7	4.0	4.2	4.3	4.3	4.2
76.5°	3.6	3.8	4.1	4.2	4.2	4.1
77°	3.5	3.7	3.9	4.1	4.1	4.0
77.5°	3.3	3.6	3.8	3.9	4.0	3.9
78°	3.1	3.4	3.7	3.8	3.8	3.7
78.5°	3.0	3.3	3.5	3.7	3.7	3.6
79°	2.7	3.0	3.3	3.5	3.6	3.5
79.5°	2.4	2.8	3.1	3.3	3.4	3.3
80°	2.0	2.4	2.9	3.1	3.2	3.2
80.5°	1.6	2.0	2.5	2.8	3.0	3.0
81°	1.2	1.6	2.1	2.5	2.7	2.7
81.5°	0.8	1.1	1.6	2.0	2.3	2.4
82°	0.5	0.7	1.1	1.5	1.8	2.0
82.5°	0.5	0.5	0.7	1.0	1.4	1.6
83°	0.4	0.5	0.5	0.7	0.9	1.1
83.5°	0.4	0.4	0.5	0.5	0.6	0.7
84°	0.3	0.4	0.4	0.5	0.5	0.5
84.5°	0.3	0.4	0.4	0.4	0.5	0.5
85°	0.3	0.3	0.4	0.4	0.4	0.4
85.5°	0.3	0.3	0.3	0.4	0.4	0.4
86°	0.2	0.3	0.3	0.3	0.4	0.4
86.5°	0.2	0.2	0.3	0.3	0.3	0.3
87°	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.1	0.2	0.2	0.2	0.3	0.3
88°	0.1	0.1	0.2	0.2	0.2	0.2
88.5°	0.1	0.1	0.1	0.2	0.2	0.2
89°	0.1	0.1	0.1	0.1	0.2	0.2
89.5°	0.0	0.1	0.1	0.1	0.1	0.2



TEST NUMBER: P979229
CATALOG NUMBER: PRLX-CYL2-X-927-10L-NF-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: P979229

CATALOG NUMBER: PRLX-CYL2-X-927-10L-NF-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	7.80	8.73	8.17	9.04	9.36	7.41	8.34	7.78	8.65	8.97
	3H	10.00	10.82	10.38	11.15	11.52	9.24	10.06	9.63	10.39	10.76
	4H	11.03	11.79	11.44	12.14	12.53	10.08	10.83	10.49	11.19	11.58
	6H	12.00	12.69	12.42	13.07	13.46	10.75	11.44	11.17	11.82	12.22
	8H	12.22	12.87	12.66	13.26	13.67	10.83	11.47	11.27	11.87	12.28
	12H	12.19	12.80	12.62	13.19	13.62	10.79	11.41	11.23	11.79	12.22
4H	2H	8.39	9.14	8.79	9.49	9.88	7.95	8.70	8.36	9.06	9.45
	3H	10.84	11.45	11.25	11.86	12.27	10.04	10.65	10.45	11.06	11.47
	4H	12.04	12.59	12.48	13.02	13.47	11.02	11.57	11.46	12.00	12.45
	6H	13.16	13.63	13.64	14.08	14.56	11.83	12.30	12.31	12.75	13.23
	8H	13.41	13.84	13.89	14.30	14.77	11.92	12.35	12.40	12.81	13.28
	12H	13.38	13.75	13.87	14.24	14.72	11.88	12.26	12.38	12.75	13.23
8H	4H	12.43	12.87	12.91	13.32	13.79	11.39	11.83	11.87	12.28	12.75
	6H	13.71	14.05	14.22	14.55	15.04	12.32	12.66	12.83	13.17	13.65
	8H	13.98	14.28	14.51	14.81	15.30	12.43	12.73	12.96	13.25	13.75
	12H	13.97	14.23	14.50	14.73	15.31	12.42	12.68	12.95	13.18	13.76
12H	4H	12.45	12.82	12.94	13.31	13.79	11.41	11.79	11.91	12.28	12.75
	6H	13.74	14.04	14.27	14.56	15.06	12.35	12.66	12.89	13.18	13.68
	8H	14.03	14.29	14.55	14.79	15.37	12.49	12.75	13.01	13.25	13.83

END OF REPORT