

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: P979246

Luminaire Tested: PRLX-CYL2-X-935-10L-MD-U-S-X-X-WHTE

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979246
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-935-10L-MD-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, MEDIUM OPTIC
1000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

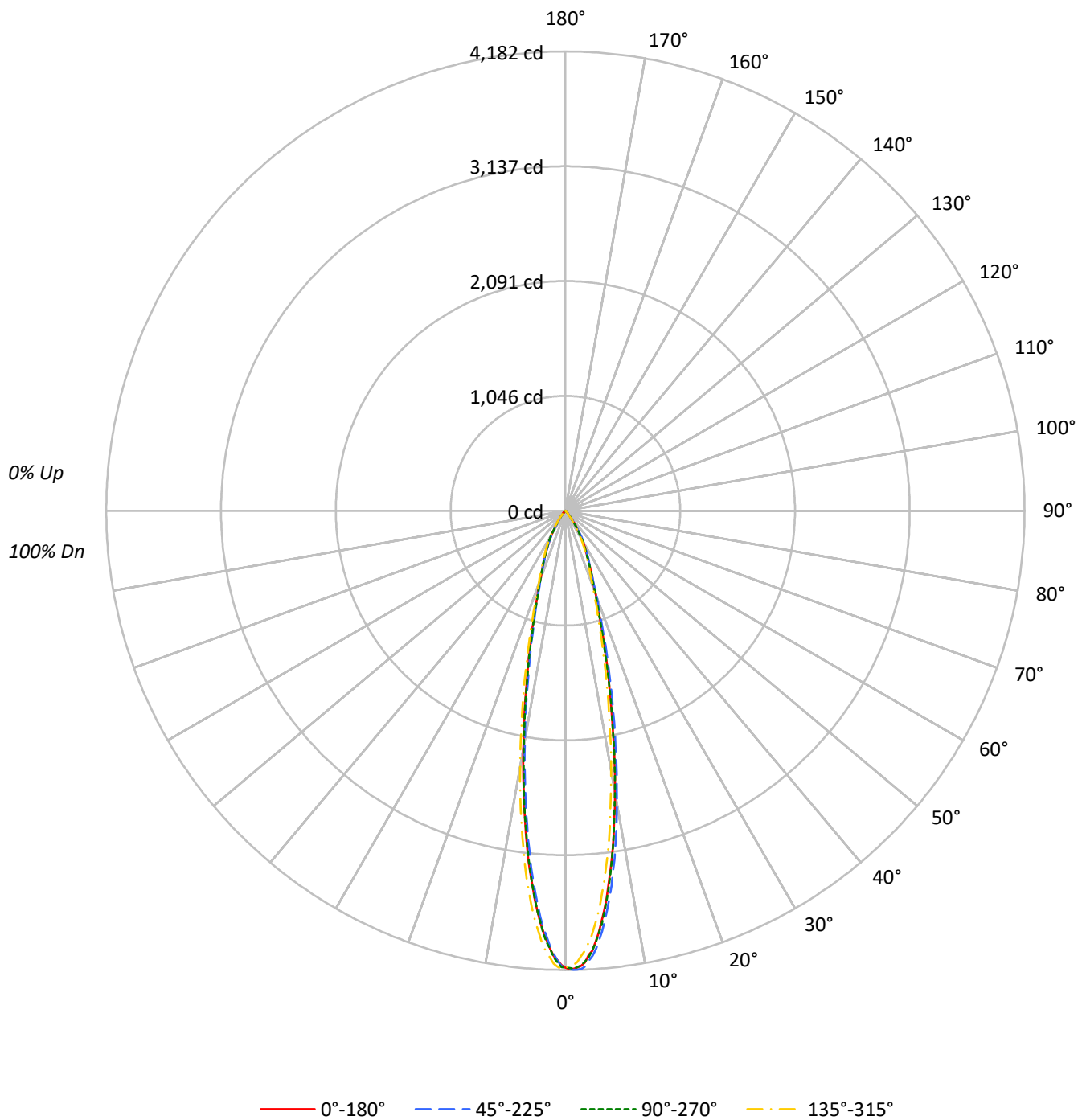
Lumens per Lamp: N/A
Luminaire Lumens: 1002.4 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

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: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-MD-U-S-X-X-WHTE

Luminous Intensity Polar Plot



TEST NUMBER: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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°	1292625	1292625	1292625	1292625
5°	1174931	1181015	1073295	1072609
10°	819714	819462	698253	689764
15°	473175	470505	388302	382285
20°	265665	261961	223134	221977
25°	168535	165792	143880	147001
30°	110023	107583	86482	89533
35°	55807	51672	37521	38697
40°	19554	17160	13225	13063
45°	7559	6856	6153	6065
50°	4931	4690	4545	4496
55°	4335	4009	3955	4118
60°	4289	3916	3791	4102
65°	4486	3897	3677	4118
70°	4725	4089	3635	4361
75°	5283	4323	3722	4563
80°	5727	4295	2506	3758
85°	1426	1426	1070	1070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7559 cd/sqm

TEST NUMBER: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-MD-U-S-X-X-WHTE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.8	30.3
10°-20°	375.6	37.5
20°-30°	211.9	21.1
30°-40°	80.7	8.0
40°-50°	13.5	1.3
50°-60°	6.9	0.7
60°-70°	5.5	0.5
70°-80°	3.9	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°	891.3	88.9
0°-40°	972.0	97.0
0°-60°	992.4	99.0
0°-90°	1002.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4159	4159	4159	4159	4159	
5°	3766	3786	3440	3438	3766	320
15°	1471	1462	1207	1188	1474	412
25°	492	484	420	429	492	230
35°	147	136	99	102	146	95
45°	17	16	14	14	17	16
55°	8	7	7	8	8	7
65°	6	5	5	6	6	6
75°	4	4	3	4	4	5
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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°	4159.4	4159.4	4159.4	4159.4	4159.4	4159.4	4159.4	4159.4	4159.4	4159.4	4159.4
0.5°	4175.8	4181.8	4175.8	4161.6	4163.9	4148.9	4148.2	4143.0	4137.7	4131.8	4145.2
1°	4174.4	4192.3	4181.8	4174.4	4171.4	4150.4	4136.2	4118.3	4092.9	4085.4	4096.6
1.5°	4163.1	4184.8	4181.8	4181.1	4157.9	4133.3	4110.1	4069.7	4055.5	4033.1	4035.4
2°	4148.2	4168.4	4173.6	4155.7	4144.5	4100.4	4057.0	4024.1	3995.0	3970.3	3973.3
2.5°	4117.6	4144.5	4154.2	4138.5	4109.3	4065.2	4015.9	3960.6	3918.8	3900.1	3886.6
3°	4049.6	4097.4	4103.4	4089.9	4069.7	4015.9	3952.4	3892.6	3840.3	3806.7	3804.4
3.5°	4013.7	4040.6	4057.8	4042.8	4009.9	3943.4	3880.7	3811.2	3760.4	3732.0	3711.8
4°	3930.7	3983.0	3997.2	3976.3	3944.2	3880.7	3793.2	3719.3	3653.5	3607.2	3601.2
4.5°	3854.5	3904.6	3921.0	3908.3	3860.5	3791.0	3701.3	3631.8	3555.6	3508.5	3487.6
5°	3766.3	3820.9	3842.6	3826.9	3785.8	3695.3	3608.7	3522.0	3440.5	3400.2	3374.8
5.5°	3667.7	3729.0	3752.1	3726.7	3675.2	3598.2	3492.1	3403.9	3326.9	3265.6	3255.9
6°	3559.3	3630.3	3649.8	3634.1	3576.5	3486.8	3388.2	3294.0	3207.4	3155.8	3127.4
6.5°	3449.5	3528.7	3548.1	3525.7	3465.9	3371.8	3268.6	3173.7	3081.8	3023.5	3006.3
7°	3338.1	3406.9	3439.8	3414.4	3343.4	3257.4	3148.3	3049.7	2954.8	2899.5	2876.3
7.5°	3217.8	3298.5	3319.5	3291.8	3229.8	3130.4	3028.0	2921.1	2833.0	2769.5	2749.3
8°	3096.8	3176.7	3205.1	3179.0	3106.5	2999.6	2905.5	2791.1	2705.9	2650.6	2625.2
8.5°	2976.4	3051.9	3075.1	3054.2	2983.2	2883.0	2765.0	2670.1	2575.9	2513.1	2487.7
9°	2846.4	2921.1	2960.0	2922.6	2849.4	2758.2	2650.6	2540.0	2452.6	2397.3	2371.9
9.5°	2726.1	2798.6	2829.2	2797.1	2725.4	2627.5	2519.9	2424.2	2330.8	2265.8	2244.1
10°	2597.6	2671.6	2700.7	2673.8	2596.8	2498.2	2394.3	2292.7	2212.7	2152.9	2126.8
10.5°	2469.8	2549.0	2571.4	2543.8	2475.8	2386.1	2279.2	2173.1	2088.7	2027.4	2012.4
11°	2341.3	2412.2	2448.1	2418.2	2338.3	2245.6	2153.7	2057.3	1969.9	1919.0	1898.1
11.5°	2220.2	2297.9	2327.8	2288.9	2218.0	2129.0	2030.4	1940.0	1861.5	1805.4	1783.0
12°	2103.6	2173.1	2195.5	2167.1	2098.4	2011.7	1916.0	1828.6	1746.4	1699.3	1674.7
12.5°	1982.6	2052.1	2079.7	2055.0	1984.8	1900.4	1809.2	1718.8	1655.2	1605.2	1582.0
13°	1875.7	1946.7	1969.1	1938.5	1868.2	1789.8	1706.8	1617.9	1555.9	1504.3	1483.4
13.5°	1771.1	1839.1	1858.5	1825.6	1760.6	1685.1	1604.4	1523.0	1457.2	1417.6	1399.7
14°	1665.0	1727.0	1749.4	1722.5	1661.2	1588.7	1505.0	1431.8	1373.5	1335.4	1313.0
14.5°	1566.3	1618.6	1644.0	1615.6	1555.9	1490.1	1412.4	1342.1	1287.6	1250.2	1230.8
15°	1470.7	1529.0	1549.1	1522.2	1462.4	1399.7	1328.7	1262.9	1206.9	1174.0	1157.5
15.5°	1385.5	1441.5	1454.2	1427.3	1373.5	1309.2	1250.2	1187.4	1138.1	1103.7	1088.8
16°	1298.8	1348.9	1366.8	1339.9	1291.3	1232.3	1172.5	1113.5	1070.1	1039.5	1024.5
16.5°	1218.8	1264.4	1281.6	1256.9	1210.6	1156.8	1097.0	1045.5	1007.3	978.9	963.3
17°	1145.6	1191.2	1200.9	1180.7	1137.4	1084.3	1029.0	984.2	946.8	921.4	908.0
17.5°	1077.6	1117.2	1128.4	1106.0	1065.6	1018.6	972.2	925.1	890.8	866.9	854.9
18°	1012.6	1048.4	1058.9	1040.2	1000.6	954.3	913.2	871.3	837.7	819.0	810.1
18.5°	953.5	990.2	997.6	981.2	943.1	899.7	857.1	822.8	793.6	777.2	768.2
19°	898.2	931.1	937.1	920.7	890.0	851.9	813.8	778.7	753.3	736.1	727.3
19.5°	849.7	877.3	884.8	868.3	840.0	803.3	769.0	735.1	712.6	699.2	691.7
20°	803.3	828.0	833.2	818.3	792.1	760.0	728.3	697.7	674.7	662.0	657.3
20.5°	760.0	783.9	784.7	774.2	746.5	715.5	688.2	661.2	640.2	630.0	624.4
21°	718.6	738.8	742.9	730.7	707.0	679.9	654.0	627.5	607.8	599.0	594.8
21.5°	681.5	700.7	705.0	692.0	672.6	645.2	620.0	597.3	580.8	571.1	569.2
22°	648.5	667.2	667.9	658.3	639.0	615.0	593.2	568.7	554.0	546.2	543.1

TEST NUMBER: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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°	618.0	634.6	634.1	625.6	608.0	584.2	564.7	542.7	528.6	522.1	519.5
23°	587.9	605.4	604.3	595.3	578.6	556.7	538.3	517.6	503.4	497.1	496.7
23.5°	562.1	577.9	577.7	567.2	552.7	533.5	512.4	494.7	480.8	476.5	475.4
24°	536.8	550.6	551.2	541.9	526.7	507.4	489.8	471.8	459.7	456.3	454.4
24.5°	512.3	527.1	527.4	517.3	504.0	485.3	469.2	450.5	439.2	435.9	434.8
25°	491.5	506.1	505.5	494.3	483.5	463.2	449.0	430.4	419.6	415.3	415.1
25.5°	471.3	484.8	484.0	473.8	463.2	445.4	428.5	411.6	400.2	396.8	396.4
26°	451.9	463.8	465.7	453.8	441.8	423.9	408.8	392.4	381.1	378.4	379.1
26.5°	430.3	443.8	446.6	433.1	422.1	404.8	390.9	373.9	363.1	358.5	360.3
27°	412.0	425.5	427.9	414.3	403.6	387.9	373.0	355.5	344.1	340.4	342.0
27.5°	393.9	408.1	409.0	395.7	385.4	367.9	354.8	337.4	327.2	322.5	322.7
28°	377.4	390.5	392.8	378.4	368.0	352.3	336.9	320.1	308.4	304.8	305.1
28.5°	359.1	373.9	377.5	361.8	350.3	335.0	319.3	302.7	291.9	288.1	288.1
29°	342.2	355.2	360.2	345.3	333.0	317.1	303.2	286.8	274.6	270.1	271.3
29.5°	325.7	338.1	343.2	328.4	317.0	301.5	286.0	270.1	257.8	253.0	253.8
30°	306.6	321.3	325.1	310.6	299.8	282.4	268.9	251.9	241.0	235.9	236.7
30.5°	290.2	303.5	307.5	293.2	282.0	266.2	252.5	237.0	224.9	219.4	219.5
31°	275.1	286.0	290.7	275.7	264.7	250.8	234.0	218.8	208.4	203.0	202.8
31.5°	256.7	267.4	272.0	258.7	247.1	230.9	217.8	201.4	191.7	186.5	186.4
32°	240.3	251.1	254.7	241.4	230.3	215.4	202.5	188.1	176.1	172.0	171.4
32.5°	222.8	233.8	237.2	225.1	213.1	199.5	185.0	171.5	161.3	157.3	156.8
33°	205.2	216.2	218.6	208.0	197.4	183.1	171.1	157.1	147.9	143.4	142.7
33.5°	190.9	199.0	202.3	191.6	181.1	168.4	156.8	144.5	134.1	130.1	129.7
34°	175.4	182.5	185.1	175.2	165.3	152.6	139.7	129.4	121.5	117.5	117.2
34.5°	160.4	166.6	168.7	160.6	150.9	138.2	128.2	117.2	110.4	106.1	105.8
35°	147.1	151.9	152.7	146.2	136.2	125.3	116.0	106.0	98.9	95.7	94.9
35.5°	132.6	137.7	137.3	132.0	123.5	112.4	102.5	93.7	88.9	85.6	84.3
36°	120.2	124.1	123.8	118.3	111.6	101.4	92.4	84.5	79.8	76.7	75.9
36.5°	108.6	110.9	110.3	106.5	98.5	90.3	82.6	75.6	71.2	68.4	67.7
37°	97.0	98.9	97.9	94.7	88.2	79.9	72.2	66.9	63.8	61.0	60.2
37.5°	86.8	87.9	86.8	84.1	78.6	71.1	64.5	59.7	56.6	54.3	53.5
38°	77.1	77.5	76.2	74.0	68.1	62.2	56.8	52.6	49.9	48.2	47.6
38.5°	68.8	68.6	67.1	65.3	60.9	55.4	50.1	47.0	45.0	43.1	42.5
39°	61.1	60.7	58.9	57.8	54.3	49.0	44.4	41.7	40.2	38.7	38.0
39.5°	54.1	53.8	51.9	51.1	47.3	43.1	39.6	37.3	35.8	34.7	34.1
40°	48.2	47.9	46.0	45.0	42.3	38.9	35.5	33.7	32.6	31.4	30.9
40.5°	42.7	42.2	40.3	39.6	37.8	34.6	31.5	30.1	29.5	28.3	27.9
41°	38.1	37.2	35.6	35.0	32.9	30.8	28.6	27.3	26.3	25.6	25.3
41.5°	33.6	33.1	31.7	31.1	29.4	27.7	25.8	24.7	24.0	23.3	23.1
42°	30.0	29.5	28.2	27.8	26.4	24.7	23.2	22.2	21.8	21.2	20.9
42.5°	27.1	26.5	25.3	24.8	23.7	22.5	21.3	20.4	19.8	19.4	19.1
43°	24.3	23.8	22.8	22.4	21.5	20.5	19.5	18.7	18.2	17.8	17.4
43.5°	22.1	21.6	20.7	20.4	19.8	18.9	17.9	17.3	16.9	16.5	16.2
44°	20.3	19.9	19.1	18.7	18.0	17.5	16.7	16.1	15.7	15.5	15.2
44.5°	18.5	18.3	17.6	17.2	16.6	16.2	15.5	15.0	14.8	14.5	14.3

TEST NUMBER: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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°	17.2	16.9	16.3	16.0	15.6	15.2	14.7	14.3	14.0	13.7	13.5
45.5°	15.9	15.8	15.2	14.9	14.6	14.2	13.9	13.5	13.3	13.0	12.8
46°	14.8	14.7	14.2	14.0	13.7	13.5	13.1	12.8	12.6	12.4	12.2
46.5°	13.9	13.8	13.4	13.1	13.0	12.9	12.6	12.2	12.0	11.9	11.6
47°	13.1	13.0	12.7	12.4	12.3	12.2	12.0	11.7	11.5	11.4	11.1
47.5°	12.4	12.4	12.1	11.9	11.7	11.6	11.5	11.2	11.1	10.9	10.8
48°	11.9	11.8	11.5	11.3	11.3	11.2	11.0	10.8	10.6	10.5	10.4
48.5°	11.4	11.3	11.0	10.9	10.8	10.7	10.6	10.4	10.3	10.2	10.0
49°	11.0	10.9	10.6	10.5	10.4	10.4	10.3	10.1	9.9	9.8	9.7
49.5°	10.6	10.5	10.3	10.1	10.0	10.0	9.9	9.8	9.7	9.5	9.4
50°	10.2	10.2	9.9	9.7	9.7	9.7	9.6	9.5	9.4	9.3	9.1
50.5°	9.9	9.8	9.6	9.4	9.4	9.4	9.3	9.2	9.1	9.0	8.9
51°	9.6	9.5	9.3	9.1	9.1	9.1	9.0	8.9	8.8	8.8	8.7
51.5°	9.3	9.2	9.0	8.9	8.8	8.8	8.8	8.7	8.6	8.5	8.5
52°	9.1	9.0	8.8	8.6	8.5	8.6	8.6	8.4	8.4	8.3	8.3
52.5°	8.8	8.7	8.6	8.4	8.3	8.3	8.3	8.2	8.2	8.1	8.1
53°	8.7	8.5	8.4	8.2	8.1	8.1	8.1	8.0	8.0	7.9	7.9
53.5°	8.5	8.4	8.2	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.7
54°	8.3	8.2	8.0	7.8	7.7	7.7	7.7	7.7	7.6	7.6	7.6
54.5°	8.2	8.0	7.8	7.7	7.6	7.6	7.6	7.5	7.5	7.5	7.5
55°	8.0	7.9	7.7	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.3
55.5°	7.9	7.7	7.6	7.4	7.3	7.3	7.3	7.2	7.2	7.2	7.2
56°	7.7	7.6	7.4	7.2	7.1	7.1	7.1	7.0	7.0	7.0	7.1
56.5°	7.6	7.5	7.3	7.1	7.0	7.0	7.0	6.9	6.9	6.9	6.9
57°	7.5	7.4	7.2	7.0	6.9	6.8	6.8	6.8	6.8	6.8	6.8
57.5°	7.4	7.2	7.0	6.9	6.8	6.7	6.7	6.7	6.6	6.7	6.7
58°	7.3	7.2	6.9	6.7	6.6	6.6	6.6	6.5	6.5	6.5	6.6
58.5°	7.2	7.0	6.9	6.6	6.5	6.5	6.4	6.4	6.4	6.4	6.5
59°	7.1	7.0	6.8	6.6	6.4	6.4	6.3	6.3	6.3	6.3	6.4
59.5°	7.0	6.9	6.7	6.5	6.3	6.3	6.2	6.1	6.2	6.2	6.3
60°	6.9	6.8	6.6	6.4	6.3	6.2	6.1	6.0	6.1	6.1	6.2
60.5°	6.8	6.7	6.5	6.3	6.1	6.0	6.0	5.9	6.0	6.0	6.1
61°	6.7	6.6	6.4	6.2	6.0	5.9	5.9	5.8	5.8	5.9	6.0
61.5°	6.7	6.5	6.3	6.1	6.0	5.8	5.8	5.7	5.7	5.8	5.9
62°	6.6	6.4	6.2	6.0	5.9	5.7	5.7	5.6	5.6	5.7	5.8
62.5°	6.5	6.3	6.1	5.9	5.8	5.6	5.6	5.5	5.5	5.6	5.7
63°	6.4	6.2	6.0	5.8	5.7	5.6	5.4	5.4	5.4	5.5	5.6
63.5°	6.3	6.2	6.0	5.7	5.6	5.5	5.3	5.3	5.3	5.4	5.5
64°	6.2	6.1	5.9	5.6	5.5	5.4	5.3	5.2	5.2	5.3	5.4
64.5°	6.1	6.0	5.8	5.6	5.4	5.3	5.1	5.1	5.1	5.2	5.3
65°	6.1	5.9	5.7	5.5	5.3	5.2	5.0	5.0	5.0	5.1	5.2
65.5°	6.0	5.8	5.6	5.4	5.2	5.1	4.9	4.9	4.9	5.0	5.1
66°	5.9	5.7	5.5	5.3	5.1	5.0	4.9	4.8	4.8	4.9	5.0
66.5°	5.8	5.7	5.4	5.2	5.1	4.9	4.7	4.7	4.7	4.8	4.9
67°	5.7	5.6	5.4	5.2	5.0	4.8	4.6	4.6	4.6	4.7	4.8

TEST NUMBER: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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°	5.6	5.5	5.3	5.1	4.9	4.7	4.6	4.5	4.5	4.6	4.7
68°	5.5	5.4	5.2	5.0	4.8	4.6	4.5	4.4	4.4	4.5	4.6
68.5°	5.5	5.3	5.1	4.9	4.7	4.5	4.4	4.3	4.3	4.4	4.5
69°	5.4	5.3	5.1	4.8	4.6	4.4	4.3	4.2	4.2	4.3	4.5
69.5°	5.3	5.2	5.0	4.7	4.6	4.4	4.2	4.1	4.1	4.2	4.4
70°	5.2	5.1	4.9	4.7	4.5	4.3	4.1	4.0	4.0	4.1	4.3
70.5°	5.1	5.0	4.8	4.6	4.4	4.2	4.0	4.0	4.0	4.0	4.2
71°	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.9	3.9	3.9	4.1
71.5°	5.0	4.9	4.7	4.4	4.2	4.0	3.9	3.8	3.8	3.9	4.0
72°	4.9	4.8	4.6	4.3	4.1	3.9	3.8	3.7	3.7	3.8	3.9
72.5°	4.8	4.7	4.5	4.3	4.1	3.9	3.7	3.6	3.6	3.7	3.8
73°	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.5	3.5	3.6	3.7
73.5°	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.4	3.4	3.5	3.6
74°	4.6	4.5	4.3	4.0	3.8	3.6	3.4	3.3	3.3	3.4	3.5
74.5°	4.5	4.4	4.2	3.9	3.7	3.5	3.3	3.2	3.2	3.3	3.4
75°	4.4	4.3	4.1	3.9	3.6	3.4	3.2	3.1	3.1	3.2	3.3
75.5°	4.3	4.2	4.0	3.8	3.5	3.3	3.1	3.1	3.0	3.1	3.2
76°	4.2	4.1	3.9	3.7	3.4	3.2	3.0	2.9	2.9	3.0	3.1
76.5°	4.1	4.0	3.8	3.6	3.3	3.1	2.9	2.8	2.8	2.8	3.0
77°	4.0	3.9	3.7	3.5	3.2	3.0	2.8	2.7	2.7	2.7	2.9
77.5°	3.9	3.8	3.6	3.4	3.1	2.9	2.7	2.6	2.5	2.6	2.7
78°	3.8	3.7	3.5	3.3	3.0	2.8	2.6	2.4	2.4	2.4	2.6
78.5°	3.6	3.6	3.4	3.1	2.9	2.6	2.4	2.2	2.2	2.2	2.4
79°	3.5	3.4	3.3	3.0	2.7	2.5	2.3	2.1	2.0	2.0	2.2
79.5°	3.4	3.3	3.1	2.9	2.6	2.3	2.0	1.8	1.7	1.7	1.9
80°	3.2	3.1	3.0	2.7	2.4	2.0	1.8	1.5	1.4	1.4	1.6
80.5°	3.0	2.9	2.8	2.5	2.1	1.8	1.5	1.2	1.1	1.1	1.2
81°	2.7	2.7	2.5	2.2	1.8	1.5	1.2	0.9	0.8	0.8	0.8
81.5°	2.3	2.4	2.2	1.8	1.5	1.2	0.8	0.6	0.6	0.6	0.6
82°	1.9	2.0	1.8	1.5	1.2	0.8	0.6	0.5	0.5	0.5	0.5
82.5°	1.5	1.6	1.4	1.1	0.8	0.6	0.5	0.5	0.4	0.4	0.4
83°	1.0	1.1	1.0	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.4
83.5°	0.6	0.7	0.6	0.5	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	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
85°	0.4	0.4	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	0.4	0.3	0.3	0.3	0.2	0.2	0.2
86°	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
86.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
87°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.2
87.5°	0.2	0.3	0.3	0.3	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	0.1
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: P979246
CATALOG NUMBER: PRLX-CYL2-X-935-10L-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: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	4159.4	4159.4	4159.4	4159.4	4159.4	4159.4
0.5°	4141.5	4156.4	4160.9	4174.4	4170.6	4175.1
1°	4101.9	4113.8	4137.7	4152.7	4163.9	4181.8
1.5°	4056.3	4068.2	4091.4	4128.0	4153.4	4166.9
2°	3977.8	3996.5	4036.1	4069.7	4116.1	4149.7
2.5°	3895.6	3928.5	3977.1	4014.4	4071.2	4107.8
3°	3814.9	3855.3	3891.1	3956.9	4009.9	4069.7
3.5°	3704.3	3755.1	3823.9	3871.7	3950.2	4002.5
4°	3606.4	3655.0	3708.8	3785.8	3862.7	3940.5
4.5°	3516.0	3547.4	3622.1	3694.6	3783.5	3852.3
5°	3388.2	3438.3	3504.8	3590.0	3678.9	3765.6
5.5°	3267.9	3322.4	3386.7	3481.6	3579.5	3665.4
6°	3149.1	3203.6	3275.4	3373.3	3470.4	3569.0
6.5°	3016.1	3066.9	3146.8	3252.2	3356.1	3453.2
7°	2890.5	2941.3	3031.7	3121.4	3236.5	3345.6
7.5°	2762.0	2813.5	2902.5	3000.4	3117.7	3220.8
8°	2634.9	2688.0	2767.2	2880.8	2990.6	3101.2
8.5°	2504.9	2558.7	2637.2	2747.8	2865.9	2974.2
9°	2386.1	2434.7	2519.1	2626.0	2736.6	2847.2
9.5°	2258.3	2308.4	2392.1	2504.2	2622.2	2724.6
10°	2138.7	2185.8	2270.3	2371.1	2482.5	2599.8
10.5°	2019.9	2070.7	2146.2	2249.3	2365.9	2472.0
11°	1904.8	1945.2	2028.1	2132.0	2241.9	2344.2
11.5°	1791.3	1839.1	1910.8	2008.0	2121.6	2221.7
12°	1684.4	1730.0	1802.5	1900.4	2002.7	2099.9
12.5°	1587.2	1629.1	1697.1	1788.3	1892.1	1987.8
13°	1493.1	1527.5	1595.5	1686.6	1783.8	1877.9
13.5°	1401.9	1436.3	1498.3	1588.7	1681.4	1767.3
14°	1318.2	1354.8	1413.1	1491.6	1577.5	1661.2
14.5°	1236.8	1265.2	1325.7	1398.2	1486.4	1567.8
15°	1161.3	1188.2	1238.3	1313.7	1398.2	1474.4
15.5°	1094.8	1121.7	1173.2	1234.5	1313.0	1381.7
16°	1026.8	1050.7	1098.5	1159.0	1228.5	1298.0
16.5°	970.0	988.7	1032.0	1090.3	1157.5	1219.6
17°	913.9	932.6	972.2	1023.0	1087.3	1144.8
17.5°	858.6	880.3	913.9	964.7	1017.8	1076.8
18°	811.6	830.2	863.9	907.2	963.3	1012.6
18.5°	770.5	784.7	814.5	856.4	910.2	953.5
19°	729.7	744.1	773.4	809.3	856.4	897.5
19.5°	694.9	707.2	730.3	766.7	808.6	848.2
20°	659.3	671.2	696.0	727.1	766.0	801.8
20.5°	626.7	637.4	657.3	688.3	723.8	755.5
21°	595.2	609.2	628.1	655.4	687.8	717.9
21.5°	571.0	581.9	598.4	624.9	653.1	679.9
22°	547.2	554.8	572.7	596.9	623.8	648.0

TEST NUMBER: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	522.9	531.0	547.9	570.2	593.6	617.6
23°	500.1	509.3	523.2	544.4	566.6	588.0
23.5°	478.9	488.1	501.6	521.1	540.3	562.7
24°	458.1	467.1	478.8	499.3	517.5	537.2
24.5°	439.1	446.8	459.9	478.3	495.6	513.8
25°	420.2	428.7	439.8	459.1	475.0	491.5
25.5°	401.6	410.0	423.2	440.4	454.3	470.0
26°	382.4	392.0	402.7	422.1	435.9	450.9
26.5°	363.0	373.6	385.0	402.8	417.2	431.6
27°	345.8	355.5	365.9	383.5	397.6	412.3
27.5°	329.0	336.8	349.7	367.0	379.9	393.4
28°	310.6	320.5	331.6	351.1	364.3	377.5
28.5°	292.9	302.8	314.2	333.7	346.4	360.0
29°	275.0	285.4	296.8	316.1	329.4	342.2
29.5°	257.8	268.1	280.1	297.4	312.6	325.4
30°	240.3	249.5	262.7	281.0	295.2	309.6
30.5°	223.4	233.5	245.1	263.9	278.3	292.0
31°	207.2	214.3	227.3	245.3	261.2	273.7
31.5°	190.0	198.3	210.7	228.7	243.9	256.5
32°	174.3	183.8	194.2	211.6	226.9	239.4
32.5°	159.2	166.9	178.5	195.0	210.7	223.2
33°	144.8	151.8	164.1	180.1	195.2	207.4
33.5°	131.8	138.7	149.4	163.7	178.7	191.2
34°	119.0	124.1	135.6	148.8	164.3	175.9
34.5°	107.2	113.0	122.5	136.0	150.1	160.7
35°	96.2	102.0	109.9	121.4	135.8	146.1
35.5°	86.2	90.2	98.8	109.1	123.1	133.2
36°	77.1	81.2	88.4	100.1	111.0	120.2
36.5°	68.5	72.5	78.7	87.1	98.7	108.0
37°	60.7	63.8	70.6	77.3	88.8	97.1
37.5°	54.2	56.8	62.2	70.0	79.1	86.3
38°	48.1	50.4	54.7	61.6	69.4	76.3
38.5°	42.8	44.8	49.3	54.2	62.3	68.5
39°	38.1	40.1	43.7	49.0	55.5	60.4
39.5°	34.1	35.8	38.6	43.5	48.8	53.6
40°	30.8	32.2	35.0	38.8	43.9	48.2
40.5°	27.9	29.0	31.3	34.9	39.0	42.5
41°	25.2	26.3	28.0	31.1	34.4	37.6
41.5°	22.9	23.8	25.6	28.0	31.1	33.7
42°	20.8	21.7	23.1	25.2	27.9	29.8
42.5°	19.0	19.8	21.1	23.0	25.1	26.8
43°	17.5	18.1	19.4	21.0	22.8	24.3
43.5°	16.2	16.8	17.8	19.3	20.8	22.1
44°	15.1	15.6	16.5	17.7	19.0	20.2
44.5°	14.2	14.6	15.4	16.4	17.5	18.5

TEST NUMBER: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	13.4	13.8	14.5	15.4	16.2	17.1
45.5°	12.7	13.1	13.7	14.4	15.1	15.9
46°	12.1	12.4	13.0	13.6	14.2	14.8
46.5°	11.6	11.9	12.4	13.0	13.5	14.0
47°	11.2	11.4	11.8	12.3	12.8	13.1
47.5°	10.7	11.0	11.3	11.8	12.2	12.5
48°	10.3	10.6	10.9	11.3	11.6	11.9
48.5°	10.0	10.2	10.6	10.9	11.2	11.4
49°	9.7	9.9	10.2	10.6	10.8	11.0
49.5°	9.4	9.6	9.9	10.3	10.4	10.6
50°	9.1	9.3	9.7	10.0	10.1	10.2
50.5°	8.9	9.1	9.4	9.7	9.8	9.9
51°	8.7	8.9	9.2	9.5	9.5	9.6
51.5°	8.5	8.7	9.0	9.2	9.3	9.3
52°	8.3	8.5	8.8	9.0	9.1	9.1
52.5°	8.1	8.3	8.6	8.8	8.8	8.8
53°	7.9	8.2	8.4	8.6	8.6	8.6
53.5°	7.8	8.0	8.3	8.5	8.5	8.5
54°	7.6	7.9	8.1	8.3	8.3	8.3
54.5°	7.5	7.7	8.0	8.2	8.2	8.2
55°	7.4	7.6	7.9	8.0	8.0	8.0
55.5°	7.3	7.5	7.7	7.9	7.9	7.8
56°	7.2	7.4	7.6	7.8	7.8	7.7
56.5°	7.0	7.2	7.5	7.7	7.7	7.6
57°	6.9	7.2	7.4	7.6	7.6	7.5
57.5°	6.8	7.0	7.3	7.5	7.4	7.4
58°	6.7	6.9	7.2	7.4	7.3	7.3
58.5°	6.6	6.9	7.1	7.3	7.2	7.2
59°	6.5	6.8	7.0	7.2	7.1	7.1
59.5°	6.4	6.7	6.9	7.1	7.0	7.0
60°	6.3	6.6	6.8	7.0	7.0	6.9
60.5°	6.2	6.5	6.7	6.9	6.9	6.8
61°	6.1	6.4	6.6	6.8	6.8	6.7
61.5°	6.0	6.3	6.5	6.7	6.7	6.6
62°	5.9	6.2	6.5	6.6	6.6	6.5
62.5°	5.8	6.1	6.4	6.5	6.5	6.5
63°	5.7	6.0	6.3	6.4	6.4	6.4
63.5°	5.6	5.9	6.2	6.4	6.4	6.3
64°	5.6	5.8	6.1	6.3	6.3	6.2
64.5°	5.5	5.7	6.0	6.2	6.2	6.1
65°	5.4	5.6	5.9	6.1	6.1	6.0
65.5°	5.3	5.6	5.8	6.0	6.0	6.0
66°	5.2	5.5	5.7	5.9	5.9	5.9
66.5°	5.1	5.4	5.7	5.8	5.9	5.8
67°	5.0	5.3	5.5	5.8	5.8	5.7

TEST NUMBER: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	4.9	5.2	5.5	5.7	5.7	5.6
68°	4.8	5.1	5.4	5.6	5.6	5.5
68.5°	4.7	5.0	5.3	5.5	5.5	5.5
69°	4.7	4.9	5.2	5.4	5.4	5.4
69.5°	4.6	4.8	5.1	5.3	5.3	5.3
70°	4.5	4.8	5.0	5.2	5.3	5.2
70.5°	4.4	4.7	5.0	5.1	5.2	5.1
71°	4.3	4.6	4.9	5.1	5.1	5.1
71.5°	4.2	4.5	4.8	5.0	5.0	5.0
72°	4.1	4.4	4.7	4.9	4.9	4.9
72.5°	4.1	4.3	4.6	4.8	4.8	4.8
73°	3.9	4.2	4.5	4.7	4.8	4.7
73.5°	3.9	4.1	4.4	4.6	4.7	4.6
74°	3.8	4.0	4.3	4.5	4.6	4.6
74.5°	3.7	3.9	4.2	4.4	4.5	4.5
75°	3.6	3.8	4.1	4.3	4.4	4.4
75.5°	3.5	3.7	4.0	4.2	4.3	4.3
76°	3.4	3.6	3.9	4.1	4.2	4.2
76.5°	3.2	3.5	3.8	4.0	4.1	4.1
77°	3.1	3.4	3.7	3.9	4.0	4.0
77.5°	2.9	3.2	3.5	3.8	3.9	3.9
78°	2.8	3.1	3.4	3.6	3.8	3.8
78.5°	2.6	2.9	3.2	3.5	3.6	3.6
79°	2.4	2.7	3.0	3.3	3.5	3.5
79.5°	2.1	2.5	2.8	3.1	3.3	3.3
80°	1.8	2.1	2.6	2.9	3.1	3.2
80.5°	1.4	1.8	2.2	2.6	2.8	3.0
81°	1.0	1.3	1.8	2.2	2.5	2.7
81.5°	0.7	0.9	1.4	1.8	2.1	2.3
82°	0.5	0.7	1.0	1.3	1.7	1.9
82.5°	0.5	0.5	0.6	0.9	1.2	1.5
83°	0.4	0.4	0.5	0.6	0.8	1.0
83.5°	0.4	0.4	0.4	0.5	0.5	0.7
84°	0.3	0.4	0.4	0.4	0.5	0.5
84.5°	0.3	0.3	0.4	0.4	0.4	0.5
85°	0.3	0.3	0.3	0.4	0.4	0.4
85.5°	0.3	0.3	0.3	0.3	0.4	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	0.3	0.3
87.5°	0.1	0.2	0.2	0.2	0.2	0.2
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	0.1	0.2
89.5°	0.0	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P979246
CATALOG NUMBER: PRLX-CYL2-X-935-10L-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: P979246

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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	7.27	8.19	7.64	8.51	8.82	6.72	7.64	7.09	7.95	8.27
	3H	9.58	10.40	9.97	10.73	11.10	8.79	9.60	9.17	9.94	10.31
	4H	10.70	11.45	11.11	11.80	12.19	9.76	10.51	10.17	10.86	11.25
	6H	11.69	12.37	12.11	12.75	13.15	10.57	11.25	10.99	11.63	12.03
	8H	11.90	12.54	12.33	12.93	13.34	10.66	11.30	11.10	11.70	12.11
	12H	11.86	12.47	12.30	12.86	13.29	10.62	11.23	11.06	11.62	12.05
4H	2H	7.90	8.65	8.31	9.00	9.39	7.32	8.07	7.73	8.43	8.82
	3H	10.45	11.07	10.87	11.48	11.88	9.64	10.25	10.06	10.66	11.07
	4H	11.73	12.27	12.16	12.70	13.15	10.77	11.31	11.21	11.74	12.19
	6H	12.87	13.34	13.35	13.79	14.27	11.71	12.18	12.19	12.63	13.11
	8H	13.10	13.53	13.58	13.98	14.46	11.82	12.25	12.29	12.70	13.18
	12H	13.07	13.44	13.56	13.93	14.41	11.78	12.15	12.27	12.64	13.12
8H	4H	12.12	12.55	12.59	13.00	13.48	11.16	11.59	11.64	12.04	12.52
	6H	13.41	13.75	13.92	14.26	14.74	12.24	12.58	12.75	13.08	13.57
	8H	13.67	13.97	14.20	14.49	14.99	12.36	12.66	12.90	13.18	13.68
	12H	13.66	13.91	14.18	14.41	14.99	12.35	12.61	12.87	13.11	13.69
12H	4H	12.14	12.51	12.63	13.00	13.47	11.19	11.56	11.68	12.05	12.53
	6H	13.44	13.74	13.98	14.27	14.77	12.28	12.58	12.81	13.10	13.60
	8H	13.72	13.98	14.24	14.48	15.06	12.42	12.68	12.95	13.18	13.76