

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: P979237

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

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979237
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-NF-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, NARROW FLOOD OPTIC
1000 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

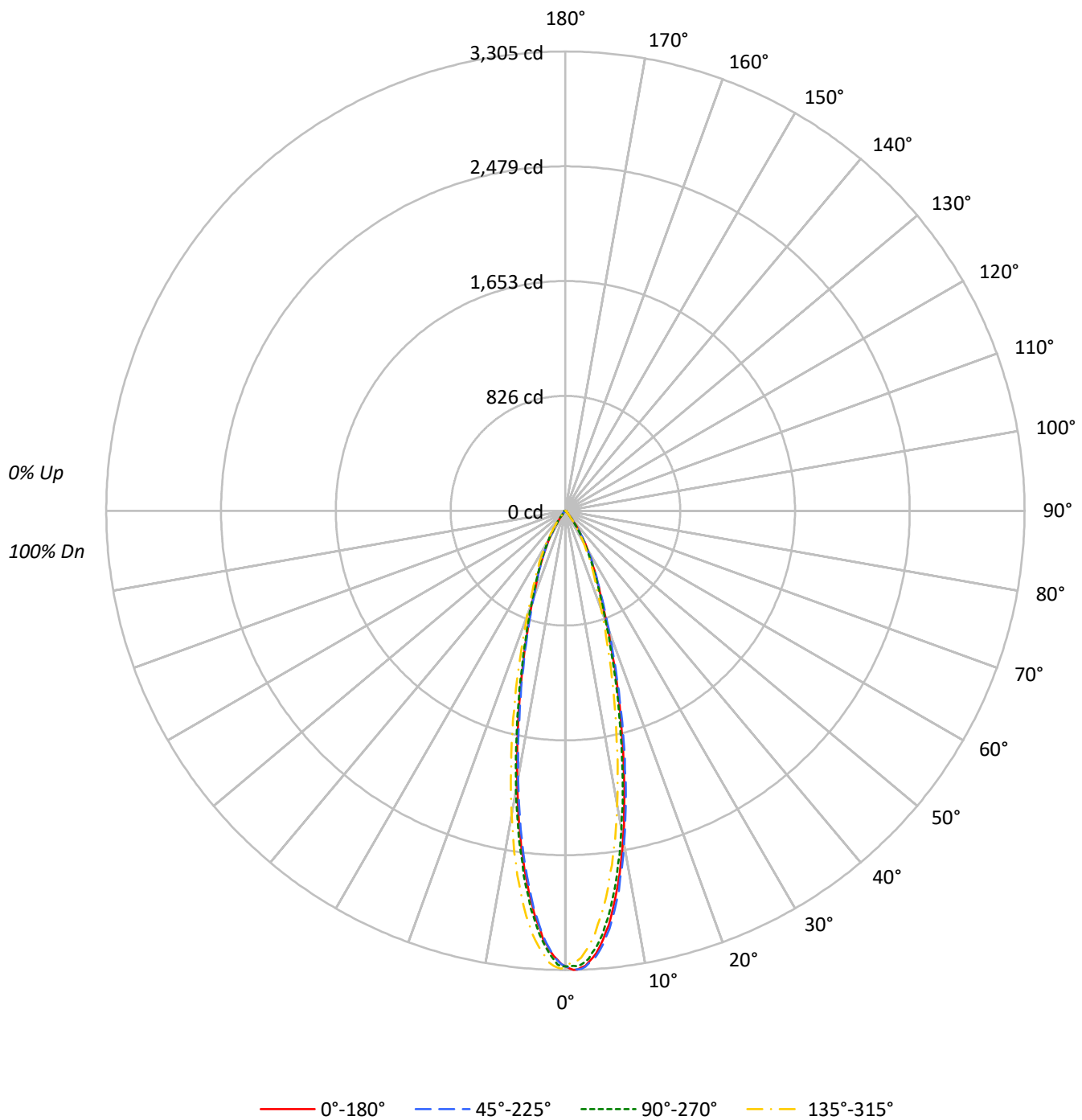
Lumens per Lamp: N/A
Luminaire Lumens: 962.6 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.47
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

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: P979237

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

Luminous Intensity Polar Plot



TEST NUMBER: P979237

CATALOG NUMBER: PRLX-CYL2-X-930-10L-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°	1019208	1019208	1019208	1019208
5°	966355	953815	880161	894886
10°	753951	735711	629365	644954
15°	495150	480189	388527	401461
20°	293313	283060	227698	236661
25°	178685	170729	140726	146898
30°	113001	103097	79808	87164
35°	56338	48902	32741	38242
40°	19189	17485	11724	13225
45°	7691	7647	6197	6461
50°	5415	5318	4883	4931
55°	4714	4551	4335	4497
60°	4599	4164	4164	4475
65°	4706	4044	4118	4559
70°	4997	4089	4180	4816
75°	5403	4203	4203	5283
80°	5906	3937	2863	4474
85°	1783	1426	1070	1070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8087 cd/sqm

TEST NUMBER: P979237

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.4	26.7
10°-20°	378.1	39.3
20°-30°	217.3	22.6
30°-40°	77.5	8.1
40°-50°	14.0	1.5
50°-60°	7.6	0.8
60°-70°	5.9	0.6
70°-80°	4.1	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°	852.8	88.6
0°-40°	930.3	96.6
0°-60°	951.9	98.9
0°-90°	962.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	962.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3280	3280	3280	3280	3280	
5°	3098	3058	2821	2869	3106	273
15°	1539	1492	1208	1248	1543	422
25°	521	498	410	428	522	246
35°	148	129	86	101	149	97
45°	18	17	14	15	18	16
55°	9	8	8	8	9	8
65°	6	6	6	6	6	6
75°	4	4	4	4	4	5
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P979237

CATALOG NUMBER: PRLX-CYL2-X-930-10L-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°	3279.6	3279.6	3279.6	3279.6	3279.6	3279.6	3279.6	3279.6	3279.6	3279.6	3279.6
0.5°	3295.1	3296.5	3290.9	3282.4	3278.9	3271.1	3259.9	3262.7	3262.0	3264.1	3262.0
1°	3305.0	3305.0	3299.3	3288.1	3276.8	3274.0	3254.2	3247.9	3232.4	3235.9	3240.1
1.5°	3302.9	3300.0	3302.2	3283.8	3278.2	3259.2	3238.0	3217.6	3206.3	3199.2	3206.3
2°	3288.8	3297.9	3299.3	3277.5	3268.3	3238.0	3217.6	3187.2	3167.5	3154.1	3163.3
2.5°	3278.2	3291.6	3283.8	3270.4	3251.4	3211.2	3182.3	3149.9	3121.7	3111.8	3113.9
3°	3252.8	3267.6	3259.2	3247.9	3227.4	3187.2	3144.2	3104.1	3085.0	3068.8	3063.9
3.5°	3222.5	3240.1	3244.4	3216.2	3184.4	3149.2	3096.3	3058.2	3012.4	3004.7	3003.2
4°	3192.9	3214.0	3208.4	3184.4	3151.3	3101.2	3054.0	2994.1	2956.0	2937.7	2936.3
4.5°	3149.2	3168.9	3170.3	3149.9	3110.4	3057.5	2986.3	2941.9	2902.4	2877.8	2875.6
5°	3097.7	3131.6	3127.3	3100.5	3057.5	2997.6	2929.9	2871.4	2821.4	2805.1	2794.6
5.5°	3043.4	3078.0	3073.7	3051.2	2999.7	2933.5	2868.6	2799.5	2756.5	2725.5	2722.7
6°	2994.1	3023.0	3027.2	2992.0	2941.9	2870.0	2798.8	2727.6	2671.2	2647.2	2647.2
6.5°	2924.3	2964.5	2963.1	2933.5	2872.1	2805.1	2727.6	2650.8	2604.2	2566.9	2559.1
7°	2861.5	2897.5	2896.1	2866.5	2803.7	2726.2	2635.9	2571.8	2507.6	2484.4	2483.7
7.5°	2791.0	2833.3	2829.1	2796.7	2732.5	2652.2	2573.2	2487.9	2430.8	2397.7	2392.0
8°	2717.0	2758.6	2764.3	2724.8	2659.2	2576.7	2483.0	2404.0	2340.6	2313.8	2312.4
8.5°	2637.4	2675.4	2675.4	2638.8	2571.8	2495.7	2405.4	2319.4	2265.8	2220.0	2222.8
9°	2555.6	2598.6	2603.5	2571.1	2497.1	2404.7	2316.6	2236.2	2166.4	2138.9	2131.9
9.5°	2474.5	2522.4	2522.4	2481.6	2405.4	2325.0	2231.3	2148.1	2082.5	2049.4	2048.0
10°	2389.2	2430.8	2434.3	2391.3	2331.4	2239.0	2149.5	2057.9	1994.4	1959.9	1961.3
10.5°	2306.7	2344.8	2353.2	2312.4	2234.1	2148.8	2060.0	1976.1	1909.8	1878.1	1868.9
11°	2217.9	2258.1	2260.2	2224.2	2155.1	2066.3	1967.6	1890.1	1823.8	1785.7	1784.3
11.5°	2125.5	2174.2	2173.5	2137.5	2069.1	1979.6	1887.3	1800.5	1737.8	1701.1	1702.5
12°	2038.1	2083.2	2091.7	2050.1	1978.9	1890.8	1802.7	1715.2	1652.5	1625.0	1621.5
12.5°	1954.2	1989.5	2000.0	1960.6	1889.4	1805.5	1713.8	1632.8	1574.2	1541.1	1536.9
13°	1865.4	1904.9	1907.7	1869.6	1810.4	1719.5	1628.5	1549.6	1495.3	1459.3	1453.7
13.5°	1779.4	1823.8	1827.3	1797.0	1730.0	1641.9	1553.8	1475.5	1416.3	1386.0	1385.3
14°	1697.6	1743.4	1744.1	1710.3	1644.0	1568.6	1479.8	1402.2	1341.6	1316.2	1312.7
14.5°	1614.4	1655.3	1663.8	1626.4	1566.5	1487.5	1405.0	1332.4	1278.1	1249.2	1245.0
15°	1539.0	1572.1	1576.4	1548.9	1492.5	1408.6	1329.6	1259.1	1207.6	1178.7	1176.6
15.5°	1459.3	1496.7	1500.9	1472.0	1412.1	1337.4	1257.0	1192.8	1138.6	1113.9	1106.8
16°	1383.9	1418.4	1421.3	1395.2	1338.8	1267.6	1190.7	1126.6	1077.2	1054.7	1051.1
16.5°	1308.5	1343.7	1350.8	1320.4	1266.9	1201.3	1127.3	1065.9	1020.8	998.3	993.3
17°	1238.0	1272.5	1278.1	1253.5	1201.3	1135.7	1065.9	1008.1	963.0	942.6	939.0
17.5°	1173.8	1202.7	1204.1	1184.4	1137.1	1071.6	1006.0	951.7	908.0	889.0	884.8
18°	1109.6	1137.1	1142.1	1116.7	1068.8	1013.1	948.2	895.3	858.0	840.3	838.2
18.5°	1046.9	1074.4	1079.3	1055.4	1011.0	958.1	897.4	848.8	807.9	792.4	791.7
19°	987.7	1015.2	1018.7	1000.4	960.2	905.2	848.8	802.3	766.3	750.8	748.7
19.5°	937.6	964.4	968.7	946.8	906.6	857.3	803.7	759.3	729.0	713.4	712.7
20°	886.9	908.0	914.4	893.2	855.9	808.6	758.6	717.0	688.5	673.2	674.7
20.5°	836.1	860.1	861.5	845.3	810.7	765.6	718.4	680.0	649.6	638.0	639.2
21°	793.1	810.7	813.6	800.2	765.6	725.4	680.9	645.2	618.0	606.4	606.4
21.5°	750.1	766.3	769.1	755.7	723.3	684.8	643.4	610.3	587.0	573.7	575.4
22°	710.6	727.5	728.3	712.7	683.2	647.7	609.3	578.3	555.9	546.2	547.1

TEST NUMBER: P979237

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	672.0	689.1	689.6	674.9	647.7	615.3	579.5	550.0	528.7	519.4	520.3
23°	641.0	652.2	653.3	640.1	614.5	582.3	549.7	523.0	503.9	494.4	496.0
23.5°	606.5	616.0	619.4	606.2	582.5	553.1	521.3	496.6	478.6	469.0	472.0
24°	576.0	587.3	588.5	575.8	551.4	525.6	495.8	471.1	454.2	447.0	450.1
24.5°	547.9	556.5	557.6	546.0	523.6	499.6	470.9	446.9	432.5	425.2	428.2
25°	521.1	528.8	527.3	517.6	497.9	473.9	447.6	425.2	410.4	403.6	405.6
25.5°	497.0	503.3	503.6	490.8	471.8	450.3	424.7	404.3	390.1	383.1	385.4
26°	474.4	480.3	479.4	466.9	447.8	427.8	403.4	383.8	370.2	363.1	366.9
26.5°	449.4	454.9	454.5	443.2	425.2	405.9	381.9	362.6	349.9	343.4	347.0
27°	427.4	431.2	431.7	421.2	403.9	382.8	361.4	342.8	330.5	324.0	327.3
27.5°	409.4	411.2	409.5	400.2	382.1	363.1	342.8	322.7	311.1	305.5	309.1
28°	389.4	391.7	389.9	379.3	362.8	343.4	323.4	303.8	293.2	286.6	291.1
28.5°	369.1	371.8	370.4	357.9	342.4	324.3	302.7	284.9	275.1	267.9	273.3
29°	350.9	352.5	351.3	338.5	323.3	305.4	284.7	267.3	257.0	250.7	255.2
29.5°	333.2	333.4	332.3	320.7	305.0	286.5	266.8	249.8	239.4	233.7	237.6
30°	314.9	316.3	313.8	302.7	287.3	267.9	249.3	232.2	222.4	217.2	220.4
30.5°	296.5	299.1	296.0	284.5	269.5	250.6	232.6	215.0	206.6	201.0	204.5
31°	279.5	281.4	277.6	266.0	251.6	233.3	215.5	198.2	190.2	184.3	188.7
31.5°	261.6	262.9	259.4	247.8	233.1	216.4	199.3	182.3	174.1	168.5	172.9
32°	244.8	245.4	242.7	231.2	216.9	200.2	182.9	167.1	158.8	154.1	158.2
32.5°	226.8	228.1	225.7	214.2	200.6	183.9	167.2	152.1	144.3	140.2	143.8
33°	210.4	211.4	209.2	197.7	185.6	168.4	152.7	138.7	130.8	126.6	130.4
33.5°	194.4	196.0	193.4	182.6	170.1	154.4	139.4	126.5	118.9	115.1	117.9
34°	178.7	180.3	177.3	167.7	155.0	141.1	127.2	113.9	107.4	104.1	106.1
34.5°	164.1	165.2	162.6	152.8	141.6	128.3	115.1	102.6	96.4	93.8	95.5
35°	148.5	150.3	147.7	139.1	128.9	115.8	103.6	92.3	86.3	83.6	85.4
35.5°	134.4	136.1	133.7	126.2	116.7	104.1	93.2	82.6	76.8	74.6	76.2
36°	121.4	123.1	120.9	114.3	105.1	93.3	83.3	73.7	68.8	66.4	68.2
36.5°	108.6	110.5	108.1	102.2	94.0	83.8	74.6	66.1	61.3	59.2	60.5
37°	97.0	99.1	96.9	91.3	84.0	75.1	66.8	59.0	54.9	52.9	53.8
37.5°	86.6	88.7	86.6	82.0	75.2	66.9	59.5	52.8	49.1	47.5	48.1
38°	77.0	78.8	77.3	73.2	67.3	60.3	53.4	47.1	43.7	42.5	43.0
38.5°	68.5	70.3	69.0	66.0	60.4	54.0	47.7	42.3	39.2	38.1	38.6
39°	60.6	62.4	61.0	58.3	53.6	48.2	42.8	38.2	35.2	34.4	34.6
39.5°	53.6	55.3	54.2	51.9	48.2	43.2	38.7	34.5	31.9	31.2	31.2
40°	47.3	49.2	48.4	46.3	43.1	38.8	34.8	31.2	28.9	28.2	28.3
40.5°	41.8	43.5	42.9	41.1	38.6	34.9	31.4	28.3	26.3	25.7	25.7
41°	37.1	38.7	38.1	36.8	34.7	31.6	28.6	25.7	24.0	23.5	23.5
41.5°	33.0	34.7	34.4	33.0	31.3	28.6	26.0	23.3	22.0	21.6	21.7
42°	29.4	30.7	30.5	29.5	28.4	26.1	23.8	21.4	20.2	19.8	19.9
42.5°	26.5	27.7	27.7	26.9	25.7	23.9	21.7	19.8	18.7	18.4	18.4
43°	24.0	25.2	25.2	24.7	23.7	22.0	20.1	18.3	17.4	17.2	17.3
43.5°	22.0	22.9	23.0	22.7	21.8	20.3	18.7	17.2	16.4	16.2	16.2
44°	20.3	21.2	21.3	21.0	20.2	18.8	17.4	16.1	15.6	15.3	15.3
44.5°	18.9	19.6	19.7	19.4	18.7	17.6	16.3	15.3	14.8	14.6	14.6

TEST NUMBER: P979237

CATALOG NUMBER: PRLX-CYL2-X-930-10L-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°	17.5	18.2	18.4	18.0	17.4	16.5	15.4	14.5	14.1	13.9	13.9
45.5°	16.4	16.9	17.1	16.8	16.4	15.5	14.7	13.8	13.5	13.3	13.3
46°	15.5	15.9	16.1	15.9	15.4	14.7	14.0	13.3	12.9	12.8	12.7
46.5°	14.7	15.1	15.2	15.0	14.6	14.0	13.3	12.7	12.4	12.3	12.2
47°	14.0	14.3	14.4	14.3	13.9	13.3	12.8	12.3	12.0	11.9	11.8
47.5°	13.3	13.6	13.7	13.6	13.3	12.8	12.3	11.8	11.6	11.5	11.4
48°	12.9	13.0	13.2	13.0	12.7	12.3	11.9	11.4	11.2	11.1	11.1
48.5°	12.4	12.6	12.7	12.5	12.2	11.8	11.4	11.1	10.9	10.8	10.8
49°	11.9	12.1	12.2	12.0	11.8	11.4	11.1	10.7	10.6	10.5	10.5
49.5°	11.5	11.7	11.7	11.6	11.4	11.1	10.8	10.4	10.3	10.2	10.2
50°	11.2	11.3	11.3	11.2	11.0	10.7	10.5	10.2	10.1	10.0	10.0
50.5°	10.8	10.9	11.0	10.9	10.6	10.4	10.2	9.9	9.8	9.7	9.8
51°	10.5	10.6	10.6	10.5	10.3	10.1	9.9	9.7	9.6	9.5	9.5
51.5°	10.2	10.3	10.3	10.2	10.0	9.8	9.6	9.4	9.3	9.3	9.3
52°	10.0	10.0	10.0	9.9	9.7	9.5	9.4	9.2	9.1	9.1	9.1
52.5°	9.7	9.7	9.7	9.6	9.4	9.3	9.1	8.9	8.9	8.9	8.9
53°	9.5	9.5	9.5	9.4	9.2	9.1	8.9	8.7	8.7	8.7	8.8
53.5°	9.3	9.3	9.3	9.1	9.0	8.8	8.7	8.6	8.6	8.6	8.6
54°	9.1	9.1	9.0	8.9	8.8	8.6	8.5	8.4	8.4	8.4	8.4
54.5°	8.9	8.9	8.8	8.7	8.5	8.4	8.3	8.2	8.2	8.2	8.3
55°	8.7	8.7	8.6	8.5	8.4	8.2	8.1	8.0	8.0	8.1	8.2
55.5°	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.9	8.0	8.0
56°	8.4	8.3	8.3	8.1	8.0	7.9	7.8	7.7	7.8	7.8	7.9
56.5°	8.3	8.2	8.1	7.9	7.8	7.7	7.6	7.6	7.6	7.6	7.8
57°	8.1	8.0	7.9	7.7	7.6	7.6	7.5	7.4	7.5	7.5	7.6
57.5°	8.0	7.9	7.7	7.6	7.5	7.4	7.3	7.3	7.3	7.4	7.5
58°	7.8	7.7	7.6	7.5	7.3	7.2	7.2	7.1	7.2	7.3	7.4
58.5°	7.7	7.6	7.5	7.3	7.2	7.1	7.0	7.0	7.1	7.2	7.3
59°	7.6	7.5	7.3	7.1	7.0	6.9	6.9	6.9	6.9	7.0	7.2
59.5°	7.5	7.3	7.2	7.0	6.9	6.8	6.8	6.7	6.8	6.9	7.0
60°	7.4	7.2	7.0	6.9	6.7	6.7	6.7	6.6	6.7	6.8	6.9
60.5°	7.3	7.1	6.9	6.7	6.6	6.6	6.5	6.5	6.6	6.7	6.8
61°	7.2	7.0	6.8	6.6	6.5	6.4	6.4	6.4	6.5	6.6	6.7
61.5°	7.1	6.9	6.7	6.5	6.4	6.3	6.3	6.3	6.3	6.5	6.6
62°	7.0	6.8	6.6	6.4	6.3	6.2	6.2	6.1	6.2	6.4	6.5
62.5°	6.9	6.7	6.4	6.2	6.1	6.0	6.0	6.0	6.1	6.3	6.4
63°	6.8	6.6	6.3	6.1	6.0	5.9	5.9	5.9	6.0	6.2	6.3
63.5°	6.7	6.4	6.2	6.0	5.9	5.8	5.8	5.8	5.9	6.0	6.2
64°	6.6	6.3	6.1	5.9	5.8	5.7	5.7	5.7	5.8	5.9	6.1
64.5°	6.5	6.3	6.0	5.8	5.7	5.6	5.6	5.6	5.7	5.8	6.0
65°	6.4	6.2	5.9	5.7	5.5	5.5	5.4	5.5	5.6	5.7	5.9
65.5°	6.3	6.1	5.8	5.6	5.4	5.4	5.3	5.4	5.5	5.6	5.8
66°	6.2	6.0	5.7	5.5	5.3	5.3	5.2	5.3	5.4	5.5	5.7
66.5°	6.1	5.9	5.6	5.4	5.2	5.1	5.1	5.1	5.3	5.4	5.6
67°	6.0	5.8	5.5	5.3	5.1	5.0	5.0	5.0	5.2	5.3	5.5

TEST NUMBER: P979237

CATALOG NUMBER: PRLX-CYL2-X-930-10L-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°	5.9	5.7	5.4	5.2	5.0	4.9	4.9	5.0	5.1	5.2	5.5
68°	5.8	5.6	5.3	5.0	4.9	4.8	4.8	4.8	5.0	5.1	5.3
68.5°	5.7	5.5	5.2	5.0	4.8	4.7	4.7	4.7	4.9	5.0	5.2
69°	5.6	5.4	5.1	4.9	4.7	4.6	4.6	4.6	4.8	4.9	5.2
69.5°	5.5	5.3	5.0	4.8	4.6	4.5	4.5	4.5	4.7	4.8	5.1
70°	5.5	5.2	4.9	4.7	4.5	4.4	4.4	4.5	4.6	4.7	5.0
70.5°	5.4	5.1	4.8	4.6	4.4	4.3	4.3	4.4	4.5	4.6	4.9
71°	5.3	5.0	4.7	4.5	4.3	4.2	4.2	4.2	4.4	4.5	4.8
71.5°	5.2	5.0	4.7	4.4	4.2	4.1	4.1	4.1	4.3	4.4	4.7
72°	5.1	4.9	4.6	4.3	4.1	4.0	4.0	4.1	4.2	4.4	4.6
72.5°	5.0	4.8	4.5	4.2	4.0	3.9	3.9	4.0	4.1	4.3	4.5
73°	4.9	4.7	4.4	4.1	3.9	3.8	3.8	3.9	3.9	4.1	4.4
73.5°	4.8	4.6	4.3	4.0	3.8	3.7	3.7	3.8	3.9	4.0	4.3
74°	4.7	4.5	4.2	3.9	3.7	3.6	3.6	3.7	3.8	3.9	4.2
74.5°	4.6	4.4	4.1	3.8	3.6	3.5	3.5	3.5	3.7	3.8	4.0
75°	4.5	4.3	4.0	3.8	3.5	3.4	3.4	3.4	3.5	3.7	3.9
75.5°	4.5	4.2	3.9	3.7	3.4	3.3	3.3	3.3	3.4	3.6	3.8
76°	4.4	4.1	3.8	3.5	3.3	3.2	3.2	3.2	3.3	3.5	3.7
76.5°	4.2	4.0	3.7	3.4	3.2	3.1	3.1	3.1	3.2	3.3	3.5
77°	4.1	3.9	3.6	3.4	3.1	3.0	2.9	3.0	3.0	3.2	3.4
77.5°	4.0	3.8	3.5	3.2	3.0	2.9	2.8	2.8	2.9	3.0	3.2
78°	3.9	3.7	3.4	3.1	2.9	2.7	2.7	2.7	2.7	2.8	3.0
78.5°	3.8	3.6	3.3	3.0	2.7	2.6	2.5	2.5	2.5	2.6	2.8
79°	3.6	3.4	3.1	2.9	2.6	2.4	2.3	2.3	2.2	2.3	2.6
79.5°	3.5	3.3	3.0	2.7	2.4	2.2	2.1	2.0	1.9	2.0	2.2
80°	3.3	3.1	2.8	2.5	2.2	2.0	1.9	1.7	1.6	1.6	1.8
80.5°	3.1	2.9	2.7	2.3	2.0	1.8	1.5	1.3	1.2	1.2	1.4
81°	2.9	2.7	2.4	2.1	1.7	1.5	1.3	1.0	0.9	0.9	1.0
81.5°	2.5	2.4	2.1	1.8	1.4	1.2	0.9	0.7	0.6	0.6	0.6
82°	2.1	2.0	1.7	1.4	1.1	0.8	0.7	0.6	0.5	0.5	0.5
82.5°	1.6	1.6	1.4	1.1	0.8	0.7	0.5	0.5	0.5	0.4	0.5
83°	1.2	1.2	1.0	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.4
83.5°	0.7	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4
84°	0.6	0.6	0.6	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°	0.5	0.5	0.5	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°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2
86.5°	0.3	0.4	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	0.2	0.2
87.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1
88°	0.3	0.3	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°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0



TEST NUMBER: P979237
CATALOG NUMBER: PRLX-CYL2-X-930-10L-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: P979237

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3279.6	3279.6	3279.6	3279.6	3279.6	3279.6
0.5°	3278.9	3278.9	3283.8	3296.5	3297.9	3293.7
1°	3247.9	3265.5	3270.4	3288.1	3295.1	3293.7
1.5°	3214.0	3230.3	3249.3	3276.1	3276.8	3300.8
2°	3176.0	3195.0	3223.9	3254.9	3272.6	3290.9
2.5°	3131.6	3152.7	3188.7	3216.9	3252.8	3271.8
3°	3075.9	3107.6	3147.8	3185.1	3223.9	3252.8
3.5°	3025.8	3056.8	3097.7	3142.8	3188.7	3227.4
4°	2960.2	2996.9	3044.8	3098.4	3151.3	3186.5
4.5°	2895.4	2929.9	2987.7	3051.9	3105.5	3145.7
5°	2821.4	2868.6	2923.6	2989.1	3052.6	3105.5
5.5°	2745.2	2787.5	2855.2	2929.9	2996.9	3042.7
6°	2671.2	2717.7	2781.9	2860.8	2941.9	2994.8
6.5°	2585.9	2640.9	2714.2	2794.6	2867.2	2929.9
7°	2506.2	2551.3	2628.9	2717.0	2801.6	2860.8
7.5°	2420.2	2474.5	2550.6	2644.4	2729.7	2794.6
8°	2335.6	2392.0	2472.4	2563.3	2654.3	2719.1
8.5°	2253.1	2299.7	2387.1	2488.6	2569.0	2645.1
9°	2159.4	2219.3	2296.8	2401.2	2496.4	2564.0
9.5°	2074.8	2129.8	2219.3	2311.7	2411.8	2475.2
10°	1988.1	2043.8	2126.9	2230.6	2322.2	2397.7
10.5°	1900.6	1955.6	2038.8	2143.9	2239.7	2308.8
11°	1813.2	1870.3	1957.7	2057.2	2147.4	2221.4
11.5°	1729.3	1782.9	1868.9	1966.2	2064.2	2130.5
12°	1646.9	1703.2	1783.6	1880.9	1973.3	2045.9
12.5°	1560.1	1616.5	1695.5	1796.3	1884.4	1954.2
13°	1484.0	1534.1	1614.4	1713.1	1803.4	1871.0
13.5°	1409.3	1461.4	1536.9	1629.2	1718.1	1783.6
14°	1338.8	1382.5	1462.8	1553.8	1638.4	1699.0
14.5°	1270.4	1320.4	1386.7	1475.5	1560.8	1621.5
15°	1199.9	1247.8	1314.1	1396.6	1481.2	1543.2
15.5°	1132.9	1175.2	1243.6	1327.5	1404.3	1464.3
16°	1072.3	1114.6	1179.4	1254.2	1331.7	1383.9
16.5°	1013.8	1056.8	1115.3	1189.3	1259.8	1313.4
17°	958.1	999.7	1053.3	1123.0	1194.2	1245.7
17.5°	907.3	941.9	992.6	1062.4	1128.0	1176.6
18°	857.3	889.7	939.0	1002.5	1063.8	1112.5
18.5°	809.3	839.6	891.1	948.2	1004.6	1049.0
19°	765.6	795.2	841.0	893.9	949.6	992.6
19.5°	725.4	756.5	795.9	845.3	900.3	940.5
20°	689.3	715.6	753.6	801.6	850.9	891.1
20.5°	654.2	676.9	712.7	760.7	803.7	839.6
21°	617.8	642.7	676.2	717.7	759.3	793.8
21.5°	586.1	609.0	640.6	678.3	716.3	750.1
22°	558.7	577.9	607.1	644.3	678.5	712.0

TEST NUMBER: P979237

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	532.8	550.3	578.1	614.5	644.6	673.3
23°	506.5	523.9	549.6	583.5	611.9	639.3
23.5°	481.0	497.2	523.2	554.0	580.1	607.7
24°	457.1	473.7	497.6	529.2	550.5	576.5
24.5°	435.5	450.4	472.7	505.3	524.2	549.1
25°	415.8	428.4	450.9	482.1	499.6	521.9
25.5°	394.9	407.4	429.2	460.5	476.5	496.5
26°	375.3	388.6	408.2	441.1	454.0	473.3
26.5°	355.1	369.7	387.2	420.6	432.1	451.1
27°	336.1	348.5	368.2	400.9	411.2	429.1
27.5°	317.7	330.1	349.8	382.3	391.6	409.8
28°	299.8	312.6	331.1	365.0	372.7	389.7
28.5°	281.7	294.5	312.6	347.6	353.7	369.1
29°	264.7	276.9	294.6	329.2	335.5	351.7
29.5°	246.7	259.9	277.2	311.6	318.8	333.6
30°	229.5	242.9	260.0	293.3	300.5	314.7
30.5°	213.2	226.2	243.5	275.6	282.8	297.4
31°	197.3	210.2	227.0	257.7	265.4	279.3
31.5°	181.2	194.2	210.1	239.5	248.4	262.3
32°	166.0	178.6	193.7	222.0	231.0	245.1
32.5°	151.4	163.6	178.2	204.6	213.8	227.4
33°	137.8	149.9	163.3	187.7	197.2	210.4
33.5°	125.0	136.6	149.3	171.8	182.0	194.6
34°	112.9	124.1	136.1	154.8	166.5	179.0
34.5°	101.9	112.2	123.1	139.9	151.5	164.0
35°	91.1	100.8	110.8	125.6	137.6	149.0
35.5°	81.3	90.0	99.5	112.0	123.9	134.9
36°	72.8	80.4	89.1	99.5	111.2	121.7
36.5°	64.6	72.0	79.7	88.0	99.6	109.4
37°	57.5	64.0	70.9	78.0	88.9	97.6
37.5°	51.4	57.1	63.2	68.6	79.0	86.7
38°	45.6	50.8	56.1	60.4	70.0	76.8
38.5°	40.8	45.3	49.8	53.5	62.1	68.7
39°	36.7	40.6	44.3	47.1	54.9	60.6
39.5°	33.0	36.4	39.6	41.7	48.6	53.7
40°	29.8	32.6	35.3	36.9	43.0	47.6
40.5°	26.9	29.3	31.7	32.9	38.1	42.1
41°	24.5	26.5	28.6	29.4	33.9	37.2
41.5°	22.4	24.0	25.8	26.5	30.2	33.1
42°	20.6	22.0	23.5	24.1	27.2	29.4
42.5°	19.0	20.3	21.5	22.1	24.5	26.5
43°	17.7	18.8	20.0	20.4	22.4	24.1
43.5°	16.6	17.6	18.6	19.0	20.6	22.1
44°	15.7	16.4	17.4	17.8	19.2	20.4
44.5°	14.9	15.5	16.3	16.7	18.0	18.9

TEST NUMBER: P979237

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	14.1	14.7	15.4	15.8	16.7	17.5
45.5°	13.5	13.9	14.6	15.0	15.7	16.4
46°	12.9	13.3	13.9	14.2	14.9	15.4
46.5°	12.4	12.7	13.2	13.6	14.1	14.6
47°	11.9	12.2	12.7	13.0	13.5	13.9
47.5°	11.5	11.8	12.3	12.6	12.9	13.3
48°	11.2	11.4	11.8	12.1	12.5	12.8
48.5°	10.9	11.1	11.4	11.7	12.0	12.3
49°	10.5	10.7	11.1	11.3	11.7	11.9
49.5°	10.3	10.4	10.8	11.0	11.3	11.5
50°	10.0	10.2	10.5	10.7	11.0	11.1
50.5°	9.8	9.9	10.2	10.5	10.6	10.8
51°	9.6	9.7	9.9	10.2	10.4	10.5
51.5°	9.4	9.5	9.7	9.9	10.1	10.2
52°	9.1	9.2	9.5	9.7	9.9	9.9
52.5°	9.0	9.1	9.3	9.5	9.6	9.7
53°	8.8	8.9	9.1	9.3	9.4	9.5
53.5°	8.6	8.7	9.0	9.1	9.2	9.3
54°	8.5	8.6	8.8	9.0	9.1	9.1
54.5°	8.3	8.4	8.6	8.8	8.9	8.9
55°	8.2	8.3	8.5	8.6	8.7	8.7
55.5°	8.1	8.1	8.3	8.5	8.6	8.5
56°	7.9	8.1	8.2	8.4	8.4	8.4
56.5°	7.8	7.9	8.1	8.2	8.3	8.2
57°	7.7	7.8	8.0	8.1	8.1	8.1
57.5°	7.6	7.7	7.9	8.0	8.0	7.9
58°	7.5	7.6	7.7	7.9	7.9	7.8
58.5°	7.4	7.5	7.6	7.8	7.8	7.7
59°	7.3	7.4	7.5	7.6	7.7	7.6
59.5°	7.2	7.3	7.4	7.5	7.5	7.5
60°	7.0	7.2	7.3	7.4	7.4	7.4
60.5°	6.9	7.0	7.2	7.3	7.3	7.3
61°	6.8	7.0	7.1	7.2	7.2	7.1
61.5°	6.7	6.9	7.0	7.1	7.1	7.1
62°	6.6	6.8	7.0	7.0	7.0	7.0
62.5°	6.5	6.7	6.9	6.9	6.9	6.9
63°	6.5	6.6	6.8	6.8	6.8	6.8
63.5°	6.4	6.5	6.7	6.7	6.7	6.7
64°	6.3	6.4	6.6	6.6	6.6	6.6
64.5°	6.2	6.3	6.5	6.6	6.6	6.5
65°	6.1	6.2	6.4	6.5	6.5	6.3
65.5°	6.0	6.1	6.3	6.4	6.4	6.3
66°	5.9	6.0	6.2	6.3	6.3	6.2
66.5°	5.8	6.0	6.1	6.2	6.2	6.1
67°	5.7	5.9	6.0	6.1	6.1	6.0

TEST NUMBER: P979237

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	5.6	5.8	5.9	6.0	6.0	5.9
68°	5.5	5.7	5.9	5.9	5.9	5.8
68.5°	5.4	5.6	5.8	5.8	5.8	5.7
69°	5.3	5.5	5.7	5.7	5.7	5.6
69.5°	5.2	5.4	5.6	5.7	5.6	5.5
70°	5.2	5.3	5.5	5.6	5.5	5.4
70.5°	5.0	5.2	5.4	5.5	5.5	5.3
71°	5.0	5.1	5.3	5.4	5.4	5.3
71.5°	4.9	5.1	5.2	5.3	5.3	5.2
72°	4.8	5.0	5.1	5.2	5.2	5.1
72.5°	4.7	4.9	5.1	5.1	5.1	5.0
73°	4.6	4.8	5.0	5.0	5.0	4.9
73.5°	4.5	4.7	4.9	5.0	4.9	4.8
74°	4.4	4.6	4.8	4.9	4.8	4.7
74.5°	4.3	4.5	4.7	4.8	4.7	4.6
75°	4.1	4.4	4.6	4.7	4.6	4.5
75.5°	4.0	4.2	4.5	4.6	4.6	4.4
76°	3.9	4.1	4.3	4.5	4.5	4.3
76.5°	3.8	4.0	4.2	4.3	4.4	4.2
77°	3.6	3.9	4.1	4.2	4.2	4.1
77.5°	3.5	3.7	4.0	4.1	4.1	4.0
78°	3.3	3.6	3.8	4.0	4.0	3.9
78.5°	3.1	3.4	3.7	3.8	3.9	3.8
79°	2.8	3.2	3.5	3.7	3.7	3.6
79.5°	2.5	2.9	3.2	3.5	3.5	3.5
80°	2.1	2.5	3.0	3.2	3.4	3.3
80.5°	1.7	2.1	2.6	3.0	3.1	3.1
81°	1.3	1.7	2.2	2.6	2.8	2.9
81.5°	0.8	1.1	1.7	2.1	2.4	2.5
82°	0.6	0.8	1.2	1.6	1.9	2.1
82.5°	0.5	0.5	0.7	1.1	1.4	1.6
83°	0.4	0.5	0.5	0.7	0.9	1.2
83.5°	0.4	0.4	0.5	0.5	0.6	0.7
84°	0.4	0.4	0.4	0.5	0.5	0.6
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	0.5
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	0.4
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	0.3
88.5°	0.1	0.1	0.1	0.2	0.2	0.2
89°	0.1	0.1	0.1	0.2	0.2	0.2
89.5°	0.1	0.1	0.1	0.1	0.2	0.2



TEST NUMBER: P979237
CATALOG NUMBER: PRLX-CYL2-X-930-10L-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: P979237

CATALOG NUMBER: PRLX-CYL2-X-930-10L-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	7.95	8.88	8.32	9.19	9.51	7.54	8.47	7.91	8.78	9.10
	3H	10.13	10.95	10.51	11.28	11.65	9.38	10.20	9.76	10.53	10.90
	4H	11.17	11.92	11.58	12.28	12.67	10.20	10.95	10.60	11.31	11.70
	6H	12.13	12.82	12.55	13.19	13.59	10.86	11.55	11.28	11.93	12.33
	8H	12.35	13.00	12.79	13.39	13.80	10.94	11.58	11.38	11.98	12.39
	12H	12.32	12.93	12.75	13.32	13.75	10.90	11.51	11.33	11.90	12.33
4H	2H	8.53	9.29	8.94	9.64	10.03	8.08	8.83	8.49	9.19	9.58
	3H	10.96	11.58	11.38	11.99	12.40	10.17	10.78	10.58	11.19	11.60
	4H	12.17	12.72	12.61	13.15	13.60	11.14	11.69	11.58	12.12	12.57
	6H	13.30	13.76	13.77	14.22	14.69	11.95	12.42	12.42	12.87	13.34
	8H	13.54	13.98	14.02	14.43	14.90	12.03	12.47	12.51	12.92	13.40
	12H	13.51	13.89	14.00	14.38	14.85	12.00	12.37	12.49	12.86	13.34
8H	4H	12.55	12.99	13.03	13.44	13.92	11.51	11.94	11.99	12.40	12.87
	6H	13.83	14.17	14.34	14.68	15.16	12.44	12.78	12.95	13.29	13.77
	8H	14.11	14.41	14.64	14.93	15.43	12.55	12.85	13.08	13.37	13.87
	12H	14.10	14.36	14.62	14.86	15.44	12.54	12.80	13.06	13.30	13.88
12H	4H	12.57	12.95	13.06	13.44	13.91	11.53	11.90	12.02	12.39	12.87
	6H	13.86	14.16	14.40	14.69	15.19	12.47	12.78	13.01	13.30	13.80
	8H	14.16	14.42	14.68	14.92	15.50	12.61	12.87	13.13	13.37	13.95