

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: P979254

Luminaire Tested: PRLX-CYL2-X-940-10L-MD-U-S-X-X-WHTE

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979254
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-940-10L-MD-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, MEDIUM OPTIC
1000 LUMENS
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

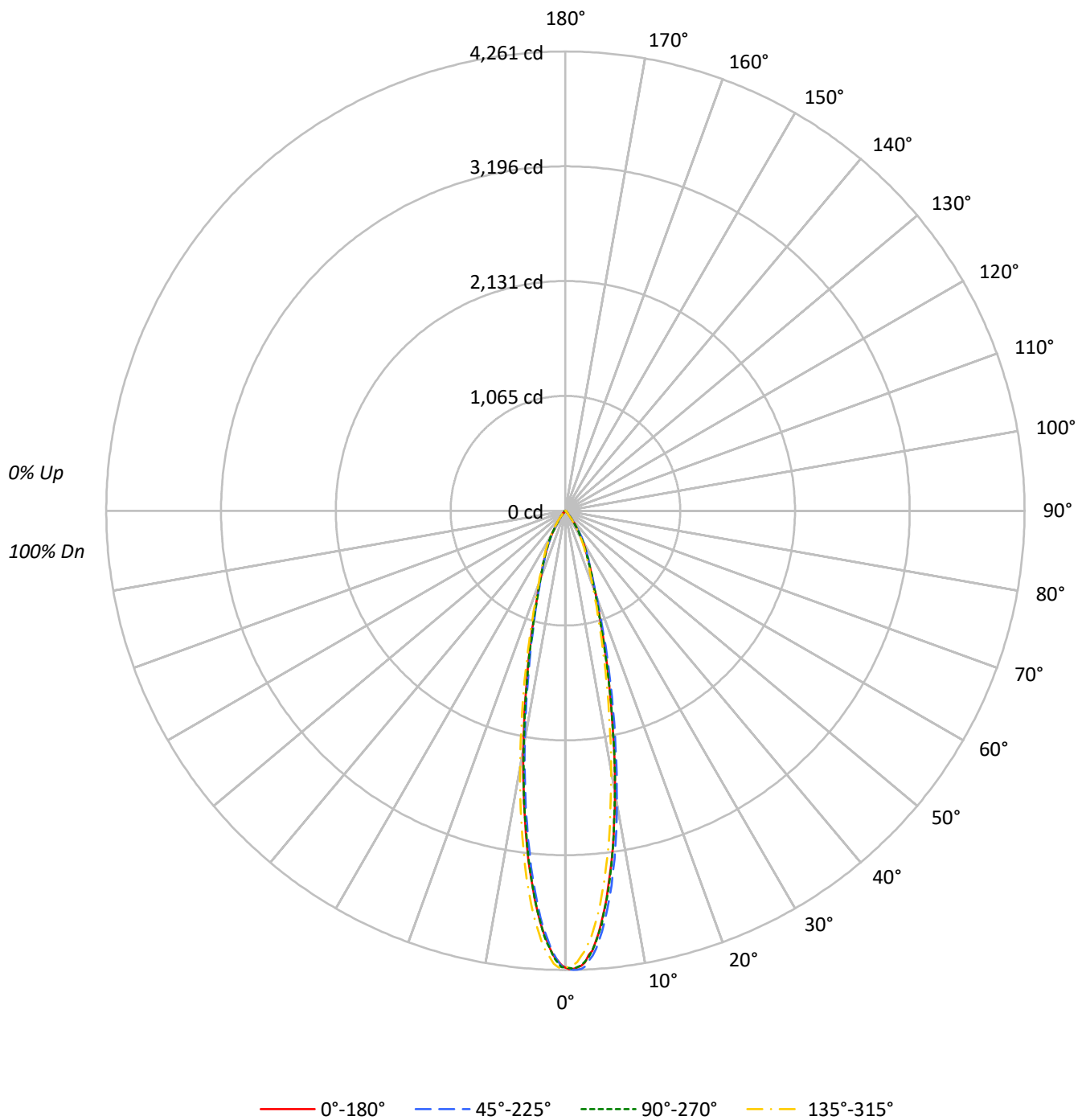
Lumens per Lamp: N/A
Luminaire Lumens: 1021.3 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

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: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-MD-U-S-X-X-WHTE

Luminous Intensity Polar Plot



TEST NUMBER: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-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		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	115	112	110	108	112	110	108	107	106	105	103		102	101	100		96
2	110	106	103	100	108	105	102	99	101	99	97		99	97	95		91
3	106	101	97	94	104	100	96	93	97	94	92		95	92	90		88
4	102	96	92	89	101	95	91	88	93	90	87		91	89	86		84
5	99	92	88	84	97	91	87	84	90	86	83		88	85	83		81
6	95	89	84	81	94	88	83	80	86	83	80		85	82	79		78
7	92	85	81	77	91	85	80	77	83	80	77		82	79	76		75
8	89	82	77	74	88	82	77	74	81	77	74		80	76	74		72
9	87	79	75	72	86	79	74	72	78	74	71		77	74	71		70
10	84	77	72	69	83	76	72	69	76	72	69		75	71	69		68

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	1317020	1317020	1317020	1317020
5°	1197112	1203288	1093541	1092824
10°	835177	834925	711444	702797
15°	482087	479385	395605	389492
20°	270692	266921	227368	226177
25°	171724	168912	146589	149778
30°	112104	109628	88097	91219
35°	56869	52658	38242	39418
40°	19919	17485	13469	13306
45°	7691	6988	6241	6197
50°	5028	4738	4593	4593
55°	4443	4118	4064	4172
60°	4351	3978	3854	4164
65°	4559	3971	3750	4265
70°	4816	4180	3725	4361
75°	5403	4443	3842	4683
80°	5727	4295	2506	3937
85°	1426	1426	1070	1070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7691 cd/sqm

TEST NUMBER: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-MD-U-S-X-X-WHTE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.5	30.3
10°-20°	382.7	37.5
20°-30°	215.9	21.1
30°-40°	82.2	8.0
40°-50°	13.8	1.3
50°-60°	7.0	0.7
60°-70°	5.6	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°	908.1	88.9
0°-40°	990.3	97.0
0°-60°	1011.1	99.0
0°-90°	1021.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1021.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4238	4238	4238	4238	4238	
5°	3837	3857	3505	3503	3837	326
15°	1498	1490	1230	1211	1502	419
25°	501	493	428	437	501	234
35°	150	139	101	104	149	97
45°	18	16	14	14	17	16
55°	8	8	8	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: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-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°	4237.9	4237.9	4237.9	4237.9	4237.9	4237.9	4237.9	4237.9	4237.9	4237.9	4237.9
0.5°	4254.6	4260.7	4254.6	4240.2	4242.5	4227.2	4226.5	4221.1	4215.8	4209.7	4223.4
1°	4253.1	4271.4	4260.7	4253.1	4250.1	4228.7	4214.3	4196.0	4170.1	4162.5	4173.9
1.5°	4241.7	4263.8	4260.7	4260.0	4236.4	4211.2	4187.6	4146.5	4132.1	4109.2	4111.5
2°	4226.5	4247.0	4252.4	4234.1	4222.7	4177.7	4133.6	4100.1	4070.4	4045.3	4048.3
2.5°	4195.2	4222.7	4232.6	4216.6	4186.9	4142.0	4091.7	4035.4	3992.7	3973.7	3960.0
3°	4126.0	4174.7	4180.8	4167.1	4146.5	4091.7	4027.0	3966.1	3912.8	3878.5	3876.2
3.5°	4089.4	4116.8	4134.3	4119.1	4085.6	4017.8	3953.9	3883.1	3831.3	3802.4	3781.8
4°	4004.9	4058.2	4072.7	4051.3	4018.6	3953.9	3864.8	3789.4	3722.4	3675.2	3669.1
4.5°	3927.2	3978.3	3995.0	3982.1	3933.3	3862.5	3771.2	3700.3	3622.7	3574.7	3553.4
5°	3837.4	3893.0	3915.1	3899.1	3857.2	3765.1	3676.7	3588.4	3505.4	3464.3	3438.4
5.5°	3736.9	3799.3	3822.9	3797.0	3744.5	3666.1	3558.0	3468.1	3389.7	3327.3	3317.4
6°	3626.5	3698.8	3718.6	3702.6	3644.0	3552.6	3452.1	3356.2	3267.9	3215.3	3186.4
6.5°	3514.6	3595.3	3615.1	3592.2	3531.3	3435.4	3330.3	3233.6	3140.0	3080.6	3063.1
7°	3401.1	3471.2	3504.7	3478.8	3406.5	3318.9	3207.7	3107.2	3010.5	2954.2	2930.6
7.5°	3278.5	3360.8	3382.1	3353.9	3290.7	3189.5	3085.1	2976.3	2886.4	2821.7	2801.1
8°	3155.2	3236.7	3265.6	3238.9	3165.1	3056.2	2960.3	2843.8	2757.0	2700.6	2674.8
8.5°	3032.6	3109.5	3133.1	3111.8	3039.5	2937.4	2817.1	2720.4	2624.5	2560.5	2534.7
9°	2900.1	2976.3	3015.9	2977.8	2903.2	2810.3	2700.6	2588.0	2498.9	2442.5	2416.6
9.5°	2777.5	2851.4	2882.6	2849.9	2776.8	2677.0	2567.4	2469.9	2374.8	2308.5	2286.4
10°	2646.6	2722.0	2751.7	2724.2	2645.8	2545.3	2439.5	2335.9	2254.5	2193.6	2166.9
10.5°	2516.4	2597.1	2619.9	2591.8	2522.5	2431.1	2322.2	2214.1	2128.1	2065.6	2050.4
11°	2385.4	2457.8	2494.3	2463.9	2382.4	2288.0	2194.3	2096.1	2007.0	1955.2	1933.9
11.5°	2262.1	2341.3	2371.7	2332.1	2259.8	2169.2	2068.7	1976.6	1896.6	1839.5	1816.7
12°	2143.3	2214.1	2237.0	2208.0	2138.0	2049.7	1952.2	1863.1	1779.4	1731.4	1706.3
12.5°	2020.0	2090.8	2118.9	2093.8	2022.2	1936.2	1843.3	1751.2	1686.5	1635.5	1611.9
13°	1911.1	1983.4	2006.3	1975.0	1903.5	1823.5	1739.0	1648.4	1585.2	1532.7	1511.4
13.5°	1804.5	1873.8	1893.6	1860.1	1793.8	1716.9	1634.7	1551.7	1484.7	1444.4	1426.1
14°	1696.4	1759.6	1782.4	1755.0	1692.6	1618.7	1533.4	1458.8	1399.4	1360.6	1337.8
14.5°	1595.9	1649.2	1675.1	1646.1	1585.2	1518.2	1439.0	1367.5	1311.9	1273.8	1254.0
15°	1498.4	1557.8	1578.4	1550.9	1490.0	1426.1	1353.7	1286.7	1229.6	1196.1	1179.4
15.5°	1411.6	1468.7	1481.7	1454.3	1399.4	1334.0	1273.8	1209.8	1159.6	1124.6	1109.3
16°	1323.3	1374.3	1392.6	1365.2	1315.7	1255.5	1194.6	1134.5	1090.3	1059.1	1043.9
16.5°	1241.8	1288.3	1305.8	1280.7	1233.4	1178.6	1117.7	1065.2	1026.4	997.4	981.4
17°	1167.2	1213.7	1223.6	1203.0	1158.8	1104.8	1048.4	1002.7	964.7	938.8	925.1
17.5°	1097.9	1138.3	1149.7	1126.9	1085.7	1037.8	990.6	942.6	907.6	883.2	871.0
18°	1031.7	1068.2	1078.9	1059.9	1019.5	972.3	930.4	887.8	853.5	834.5	825.3
18.5°	971.5	1008.8	1016.5	999.7	960.9	916.7	873.3	838.3	808.6	791.8	782.7
19°	915.2	948.7	954.8	938.0	906.8	868.0	829.2	793.4	767.5	750.0	741.1
19.5°	865.7	893.9	901.5	884.7	855.8	818.5	783.5	749.0	726.1	712.4	704.7
20°	818.5	843.6	848.9	833.7	807.1	774.3	742.0	710.9	687.5	674.5	669.7
20.5°	774.3	798.7	799.5	788.8	760.6	729.0	701.2	673.7	652.3	641.9	636.1
21°	732.2	752.7	756.9	744.5	720.3	692.7	666.3	639.3	619.3	610.3	606.1
21.5°	694.4	713.9	718.3	705.0	685.2	657.4	631.7	608.6	591.8	581.9	579.9
22°	660.7	679.8	680.5	670.7	651.1	626.6	604.4	579.4	564.5	556.5	553.4

TEST NUMBER: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-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°	629.7	646.6	646.1	637.4	619.5	595.2	575.4	552.9	538.6	531.9	529.3
23°	599.0	616.8	615.7	606.5	589.5	567.2	548.5	527.3	512.9	506.5	506.1
23.5°	572.7	588.8	588.6	577.9	563.1	543.6	522.1	504.0	489.9	485.5	484.4
24°	546.9	561.0	561.6	552.1	536.6	517.0	499.0	480.7	468.3	464.9	462.9
24.5°	522.0	537.1	537.3	527.0	513.5	494.4	478.1	459.0	447.5	444.1	443.1
25°	500.8	515.6	515.1	503.7	492.6	471.9	457.5	438.5	427.5	423.1	423.0
25.5°	480.2	493.9	493.2	482.7	471.9	453.8	436.6	419.4	407.8	404.3	403.9
26°	460.4	472.6	474.5	462.4	450.1	431.9	416.5	399.8	388.3	385.5	386.3
26.5°	438.4	452.2	455.0	441.3	430.1	412.4	398.3	381.0	370.0	365.3	367.1
27°	419.8	433.5	436.0	422.1	411.2	395.2	380.0	362.2	350.6	346.8	348.5
27.5°	401.3	415.8	416.7	403.2	392.6	374.8	361.5	343.8	333.4	328.5	328.8
28°	384.5	397.9	400.2	385.5	375.0	358.9	343.2	326.1	314.2	310.6	310.9
28.5°	365.8	380.9	384.6	368.6	356.9	341.3	325.3	308.4	297.4	293.5	293.5
29°	348.6	361.9	367.0	351.8	339.3	323.1	308.9	292.2	279.8	275.2	276.4
29.5°	331.9	344.5	349.6	334.6	323.0	307.2	291.4	275.2	262.7	257.7	258.6
30°	312.4	327.4	331.3	316.5	305.5	287.7	273.9	256.7	245.5	240.4	241.1
30.5°	295.7	309.3	313.3	298.7	287.3	271.2	257.3	241.5	229.2	223.5	223.6
31°	280.3	291.4	296.2	281.0	269.7	255.5	238.4	222.9	212.4	206.9	206.6
31.5°	261.5	272.4	277.1	263.6	251.8	235.3	221.9	205.2	195.3	190.0	189.9
32°	244.8	255.8	259.5	246.0	234.7	219.4	206.3	191.6	179.5	175.3	174.7
32.5°	227.0	238.2	241.7	229.3	217.1	203.2	188.4	174.7	164.4	160.3	159.7
33°	209.1	220.3	222.7	212.0	201.1	186.5	174.3	160.0	150.7	146.1	145.4
33.5°	194.5	202.8	206.1	195.2	184.6	171.6	159.7	147.2	136.7	132.6	132.2
34°	178.7	185.9	188.6	178.5	168.4	155.5	142.4	131.8	123.8	119.7	119.5
34.5°	163.5	169.8	171.8	163.6	153.7	140.8	130.7	119.4	112.5	108.1	107.8
35°	149.9	154.8	155.6	148.9	138.8	127.7	118.2	108.0	100.8	97.5	96.7
35.5°	135.1	140.2	139.9	134.5	125.9	114.5	104.4	95.5	90.6	87.3	85.9
36°	122.4	126.5	126.1	120.5	113.7	103.3	94.1	86.1	81.3	78.2	77.4
36.5°	110.6	113.0	112.4	108.5	100.4	92.1	84.1	77.1	72.5	69.7	69.0
37°	98.8	100.7	99.7	96.5	89.8	81.4	73.6	68.1	65.0	62.2	61.4
37.5°	88.4	89.5	88.4	85.7	80.1	72.4	65.7	60.8	57.7	55.3	54.5
38°	78.6	79.0	77.7	75.4	69.4	63.4	57.8	53.6	50.8	49.1	48.5
38.5°	70.1	69.9	68.4	66.5	62.0	56.5	51.0	47.9	45.9	43.9	43.3
39°	62.2	61.9	60.1	58.9	55.3	49.9	45.2	42.5	41.0	39.4	38.8
39.5°	55.1	54.8	52.9	52.0	48.2	43.9	40.3	38.0	36.5	35.3	34.8
40°	49.1	48.8	46.8	45.8	43.1	39.7	36.1	34.3	33.2	32.0	31.5
40.5°	43.5	42.9	41.1	40.3	38.5	35.2	32.1	30.6	30.0	28.9	28.4
41°	38.8	37.9	36.3	35.6	33.5	31.4	29.1	27.8	26.8	26.1	25.8
41.5°	34.3	33.7	32.3	31.7	30.0	28.2	26.2	25.2	24.5	23.8	23.5
42°	30.5	30.0	28.7	28.3	26.9	25.1	23.6	22.6	22.2	21.6	21.3
42.5°	27.6	27.0	25.8	25.3	24.1	22.9	21.7	20.8	20.2	19.8	19.5
43°	24.7	24.3	23.2	22.8	21.9	20.9	19.8	19.0	18.5	18.2	17.8
43.5°	22.5	22.1	21.1	20.7	20.2	19.3	18.3	17.6	17.2	16.8	16.5
44°	20.6	20.2	19.4	19.0	18.4	17.8	17.0	16.4	16.0	15.7	15.5
44.5°	18.9	18.7	18.0	17.5	16.9	16.5	15.8	15.3	15.1	14.8	14.5

TEST NUMBER: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-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°	17.5	17.3	16.6	16.3	15.9	15.5	15.0	14.5	14.2	14.0	13.8
45.5°	16.2	16.1	15.5	15.2	14.9	14.5	14.1	13.8	13.5	13.3	13.1
46°	15.1	15.0	14.4	14.2	13.9	13.7	13.4	13.1	12.8	12.6	12.4
46.5°	14.2	14.1	13.7	13.4	13.3	13.1	12.8	12.5	12.2	12.1	11.9
47°	13.4	13.3	12.9	12.7	12.5	12.4	12.2	11.9	11.7	11.6	11.4
47.5°	12.7	12.6	12.3	12.1	12.0	11.9	11.7	11.4	11.3	11.1	11.0
48°	12.2	12.1	11.8	11.5	11.5	11.4	11.2	11.0	10.8	10.7	10.6
48.5°	11.6	11.5	11.2	11.1	11.0	10.9	10.8	10.6	10.5	10.3	10.2
49°	11.2	11.1	10.8	10.7	10.6	10.6	10.5	10.3	10.1	10.0	9.9
49.5°	10.8	10.7	10.5	10.3	10.2	10.2	10.1	9.9	9.8	9.7	9.6
50°	10.4	10.3	10.1	9.9	9.8	9.9	9.8	9.6	9.5	9.4	9.3
50.5°	10.1	10.0	9.8	9.6	9.5	9.5	9.5	9.3	9.2	9.2	9.1
51°	9.8	9.7	9.5	9.3	9.2	9.3	9.2	9.1	9.0	8.9	8.8
51.5°	9.5	9.4	9.2	9.0	9.0	9.0	9.0	8.8	8.8	8.7	8.6
52°	9.3	9.1	9.0	8.8	8.7	8.7	8.7	8.6	8.6	8.5	8.4
52.5°	9.0	8.9	8.7	8.5	8.5	8.5	8.5	8.4	8.3	8.3	8.2
53°	8.8	8.7	8.5	8.3	8.3	8.3	8.3	8.2	8.1	8.1	8.0
53.5°	8.6	8.5	8.3	8.2	8.1	8.1	8.1	8.0	7.9	7.9	7.9
54°	8.5	8.4	8.2	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.7
54.5°	8.3	8.2	8.0	7.8	7.7	7.7	7.7	7.6	7.6	7.6	7.6
55°	8.2	8.0	7.8	7.7	7.6	7.6	7.6	7.5	7.5	7.5	7.5
55.5°	8.0	7.9	7.7	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.3
56°	7.9	7.8	7.6	7.4	7.3	7.3	7.2	7.2	7.2	7.2	7.2
56.5°	7.8	7.6	7.4	7.2	7.1	7.1	7.1	7.0	7.0	7.0	7.1
57°	7.6	7.5	7.3	7.1	7.0	7.0	6.9	6.9	6.9	6.9	6.9
57.5°	7.5	7.4	7.2	7.0	6.9	6.9	6.8	6.8	6.8	6.8	6.8
58°	7.4	7.3	7.1	6.9	6.8	6.7	6.7	6.6	6.6	6.7	6.7
58.5°	7.3	7.2	7.0	6.8	6.6	6.6	6.6	6.5	6.5	6.5	6.6
59°	7.2	7.1	6.9	6.7	6.6	6.5	6.4	6.4	6.4	6.4	6.5
59.5°	7.1	7.0	6.8	6.6	6.5	6.4	6.3	6.3	6.3	6.3	6.4
60°	7.0	6.9	6.7	6.5	6.4	6.3	6.2	6.2	6.2	6.2	6.3
60.5°	7.0	6.8	6.6	6.4	6.3	6.2	6.1	6.0	6.1	6.1	6.2
61°	6.8	6.7	6.5	6.3	6.2	6.1	6.0	5.9	5.9	6.0	6.1
61.5°	6.8	6.6	6.4	6.2	6.1	6.0	5.9	5.8	5.8	5.9	6.0
62°	6.7	6.5	6.3	6.1	6.0	5.8	5.8	5.7	5.7	5.8	5.9
62.5°	6.6	6.4	6.2	6.0	5.9	5.7	5.7	5.6	5.6	5.7	5.8
63°	6.5	6.4	6.2	5.9	5.8	5.7	5.5	5.5	5.5	5.6	5.7
63.5°	6.4	6.3	6.1	5.8	5.7	5.6	5.4	5.4	5.4	5.5	5.6
64°	6.3	6.2	6.0	5.8	5.6	5.5	5.4	5.3	5.3	5.4	5.5
64.5°	6.2	6.1	5.9	5.7	5.5	5.4	5.2	5.2	5.2	5.3	5.4
65°	6.2	6.0	5.8	5.6	5.4	5.3	5.1	5.1	5.1	5.2	5.3
65.5°	6.1	5.9	5.7	5.5	5.3	5.2	5.0	5.0	5.0	5.1	5.2
66°	6.0	5.8	5.6	5.4	5.2	5.1	4.9	4.9	4.9	5.0	5.1
66.5°	5.9	5.8	5.6	5.3	5.2	5.0	4.8	4.8	4.8	4.9	5.0
67°	5.8	5.7	5.5	5.2	5.1	4.9	4.7	4.7	4.7	4.8	4.9

TEST NUMBER: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-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°	5.7	5.6	5.4	5.2	5.0	4.8	4.7	4.6	4.6	4.7	4.8
68°	5.7	5.5	5.3	5.1	4.9	4.7	4.6	4.5	4.5	4.6	4.7
68.5°	5.6	5.4	5.2	5.0	4.8	4.6	4.5	4.4	4.4	4.5	4.6
69°	5.5	5.4	5.2	4.9	4.7	4.5	4.4	4.3	4.3	4.4	4.5
69.5°	5.4	5.3	5.1	4.8	4.6	4.4	4.3	4.2	4.2	4.3	4.5
70°	5.3	5.2	5.0	4.8	4.6	4.3	4.2	4.1	4.1	4.2	4.4
70.5°	5.2	5.1	4.9	4.7	4.5	4.3	4.1	4.0	4.0	4.1	4.2
71°	5.1	5.0	4.8	4.6	4.4	4.2	4.0	3.9	3.9	4.0	4.2
71.5°	5.1	4.9	4.8	4.5	4.3	4.1	3.9	3.8	3.8	3.9	4.1
72°	5.0	4.9	4.7	4.4	4.2	4.0	3.8	3.7	3.8	3.8	4.0
72.5°	4.9	4.8	4.6	4.3	4.1	3.9	3.8	3.7	3.7	3.8	3.9
73°	4.8	4.7	4.5	4.3	4.1	3.9	3.7	3.6	3.6	3.7	3.8
73.5°	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.5	3.5	3.6	3.7
74°	4.6	4.5	4.3	4.1	3.9	3.7	3.5	3.4	3.4	3.5	3.6
74.5°	4.6	4.5	4.2	4.0	3.8	3.6	3.4	3.3	3.3	3.4	3.5
75°	4.5	4.4	4.2	3.9	3.7	3.5	3.3	3.2	3.2	3.3	3.4
75.5°	4.4	4.3	4.1	3.8	3.6	3.4	3.2	3.1	3.1	3.2	3.3
76°	4.3	4.2	4.0	3.8	3.5	3.3	3.1	3.0	3.0	3.0	3.2
76.5°	4.2	4.1	3.9	3.7	3.4	3.2	3.0	2.9	2.8	2.9	3.1
77°	4.1	4.0	3.8	3.6	3.3	3.0	2.9	2.8	2.7	2.8	2.9
77.5°	4.0	3.9	3.7	3.4	3.2	2.9	2.8	2.6	2.6	2.6	2.8
78°	3.9	3.8	3.6	3.3	3.1	2.8	2.6	2.5	2.4	2.5	2.6
78.5°	3.7	3.6	3.5	3.2	2.9	2.7	2.5	2.3	2.2	2.3	2.4
79°	3.6	3.5	3.3	3.1	2.8	2.5	2.3	2.1	2.0	2.0	2.2
79.5°	3.4	3.4	3.2	2.9	2.6	2.3	2.1	1.9	1.7	1.8	1.9
80°	3.2	3.2	3.0	2.7	2.4	2.1	1.8	1.5	1.4	1.4	1.6
80.5°	3.0	3.0	2.8	2.5	2.2	1.8	1.5	1.3	1.1	1.1	1.2
81°	2.7	2.7	2.6	2.2	1.8	1.5	1.2	0.9	0.8	0.8	0.9
81.5°	2.3	2.4	2.2	1.9	1.5	1.2	0.8	0.7	0.6	0.6	0.7
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	0.5	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°	0.7	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	0.5	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°	0.4	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°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	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	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0



TEST NUMBER: P979254
CATALOG NUMBER: PRLX-CYL2-X-940-10L-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: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	4237.9	4237.9	4237.9	4237.9	4237.9	4237.9
0.5°	4219.6	4234.8	4239.4	4253.1	4249.3	4253.9
1°	4179.3	4191.4	4215.8	4231.0	4242.5	4260.7
1.5°	4132.8	4145.0	4168.6	4205.9	4231.8	4245.5
2°	4052.9	4071.9	4112.3	4146.5	4193.7	4228.0
2.5°	3969.1	4002.6	4052.1	4090.2	4148.0	4185.4
3°	3886.9	3928.0	3964.5	4031.5	4085.6	4146.5
3.5°	3774.2	3826.0	3896.0	3944.8	4024.7	4078.0
4°	3674.5	3723.9	3778.8	3857.2	3935.6	4014.8
4.5°	3582.3	3614.3	3690.4	3764.3	3854.9	3925.0
5°	3452.1	3503.1	3570.9	3657.7	3748.3	3836.6
5.5°	3329.6	3385.1	3450.6	3547.3	3647.0	3734.6
6°	3208.5	3264.1	3337.2	3436.9	3535.9	3636.4
6.5°	3073.0	3124.7	3206.2	3313.6	3419.4	3518.4
7°	2945.0	2996.8	3089.0	3180.3	3297.6	3408.7
7.5°	2814.1	2866.6	2957.2	3057.0	3176.5	3281.6
8°	2684.7	2738.7	2819.4	2935.2	3047.1	3159.8
8.5°	2552.2	2607.0	2686.9	2799.6	2919.9	3030.3
9°	2431.1	2480.6	2566.6	2675.5	2788.2	2900.9
9.5°	2300.9	2351.9	2437.2	2551.4	2671.7	2776.0
10°	2179.1	2227.1	2313.1	2415.9	2529.3	2648.9
10.5°	2058.0	2109.8	2186.7	2291.8	2410.6	2518.7
11°	1940.8	1981.9	2066.4	2172.2	2284.2	2388.5
11.5°	1825.0	1873.8	1946.9	2045.8	2161.6	2263.6
12°	1716.2	1762.6	1836.5	1936.2	2040.5	2139.5
12.5°	1617.2	1659.8	1729.1	1822.0	1927.8	2025.3
13°	1521.3	1556.3	1625.6	1718.5	1817.4	1913.4
13.5°	1428.4	1463.4	1526.6	1618.7	1713.1	1800.7
14°	1343.1	1380.4	1439.8	1519.7	1607.3	1692.6
14.5°	1260.1	1289.0	1350.7	1424.6	1514.4	1597.4
15°	1183.2	1210.6	1261.6	1338.5	1424.6	1502.2
15.5°	1115.4	1142.8	1195.4	1257.8	1337.8	1407.8
16°	1046.1	1070.5	1119.2	1180.9	1251.7	1322.5
16.5°	988.3	1007.3	1051.5	1110.9	1179.4	1242.6
17°	931.2	950.2	990.6	1042.3	1107.8	1166.4
17.5°	874.8	896.9	931.2	983.0	1037.0	1097.2
18°	826.9	845.9	880.2	924.3	981.4	1031.7
18.5°	785.0	799.5	829.9	872.6	927.4	971.5
19°	743.4	758.2	788.0	824.6	872.6	914.4
19.5°	708.0	720.5	744.1	781.2	823.8	864.2
20°	671.7	683.9	709.2	740.8	780.4	817.0
20.5°	638.5	649.5	669.7	701.2	737.5	769.8
21°	606.4	620.7	639.9	667.7	700.8	731.5
21.5°	581.8	592.9	609.7	636.7	665.5	692.7
22°	557.5	565.3	583.5	608.2	635.5	660.3

TEST NUMBER: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-MD-U-S-X-X-WHITE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	532.7	541.0	558.2	580.9	604.8	629.2
23°	509.5	518.9	533.0	554.7	577.3	599.1
23.5°	488.0	497.3	511.0	530.9	550.5	573.3
24°	466.7	475.9	487.8	508.7	527.3	547.3
24.5°	447.4	455.2	468.6	487.4	505.0	523.5
25°	428.1	436.8	448.1	467.7	483.9	500.8
25.5°	409.2	417.7	431.2	448.7	462.8	478.9
26°	389.6	399.4	410.3	430.1	444.1	459.4
26.5°	369.9	380.6	392.3	410.4	425.1	439.8
27°	352.4	362.2	372.8	390.7	405.1	420.1
27.5°	335.2	343.2	356.3	373.9	387.1	400.9
28°	316.5	326.6	337.8	357.7	371.2	384.6
28.5°	298.5	308.5	320.2	340.0	353.0	366.8
29°	280.2	290.8	302.4	322.1	335.6	348.6
29.5°	262.7	273.1	285.4	303.0	318.5	331.5
30°	244.9	254.2	267.7	286.3	300.7	315.4
30.5°	227.7	237.9	249.7	268.9	283.5	297.5
31°	211.1	218.4	231.5	250.0	266.1	278.8
31.5°	193.5	202.0	214.6	233.1	248.5	261.3
32°	177.6	187.3	197.9	215.6	231.2	243.9
32.5°	162.3	170.0	181.9	198.6	214.6	227.4
33°	147.6	154.6	167.2	183.5	198.9	211.3
33.5°	134.3	141.3	152.2	166.7	182.0	194.8
34°	121.3	126.5	138.1	151.6	167.4	179.2
34.5°	109.2	115.1	124.8	138.6	152.9	163.7
35°	98.0	103.9	111.9	123.7	138.3	148.9
35.5°	87.8	91.9	100.7	111.2	125.4	135.7
36°	78.6	82.8	90.1	102.0	113.1	122.5
36.5°	69.8	73.8	80.2	88.8	100.6	110.0
37°	61.9	65.0	71.9	78.8	90.5	99.0
37.5°	55.2	57.9	63.4	71.3	80.6	87.9
38°	49.0	51.4	55.8	62.8	70.7	77.7
38.5°	43.6	45.6	50.2	55.3	63.5	69.8
39°	38.8	40.8	44.5	49.9	56.5	61.6
39.5°	34.8	36.4	39.4	44.3	49.7	54.7
40°	31.4	32.8	35.7	39.5	44.8	49.1
40.5°	28.4	29.5	31.8	35.5	39.8	43.3
41°	25.7	26.7	28.6	31.7	35.1	38.3
41.5°	23.3	24.3	26.1	28.5	31.7	34.4
42°	21.2	22.1	23.5	25.7	28.4	30.4
42.5°	19.4	20.2	21.5	23.4	25.6	27.3
43°	17.8	18.5	19.8	21.4	23.2	24.8
43.5°	16.5	17.1	18.1	19.7	21.2	22.5
44°	15.4	15.9	16.8	18.1	19.4	20.6
44.5°	14.5	14.9	15.7	16.7	17.9	18.9

TEST NUMBER: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	13.7	14.1	14.7	15.7	16.6	17.4
45.5°	13.0	13.3	13.9	14.6	15.4	16.2
46°	12.3	12.6	13.2	13.9	14.5	15.1
46.5°	11.8	12.1	12.6	13.2	13.7	14.2
47°	11.4	11.6	12.0	12.5	13.0	13.4
47.5°	10.9	11.2	11.6	12.0	12.4	12.7
48°	10.5	10.8	11.1	11.6	11.8	12.1
48.5°	10.2	10.4	10.8	11.1	11.4	11.6
49°	9.9	10.1	10.4	10.8	11.0	11.2
49.5°	9.6	9.8	10.1	10.5	10.6	10.8
50°	9.3	9.5	9.9	10.2	10.3	10.4
50.5°	9.1	9.3	9.6	9.9	10.0	10.1
51°	8.9	9.1	9.3	9.6	9.7	9.8
51.5°	8.7	8.8	9.1	9.4	9.5	9.5
52°	8.5	8.6	8.9	9.2	9.2	9.3
52.5°	8.3	8.5	8.7	9.0	9.0	9.0
53°	8.1	8.3	8.6	8.8	8.8	8.8
53.5°	7.9	8.2	8.4	8.6	8.6	8.6
54°	7.8	8.0	8.3	8.5	8.5	8.5
54.5°	7.7	7.9	8.1	8.3	8.3	8.3
55°	7.5	7.7	8.0	8.2	8.2	8.2
55.5°	7.4	7.6	7.9	8.1	8.0	8.0
56°	7.3	7.5	7.8	8.0	7.9	7.9
56.5°	7.2	7.4	7.7	7.8	7.8	7.7
57°	7.0	7.3	7.6	7.7	7.7	7.6
57.5°	6.9	7.2	7.4	7.6	7.6	7.5
58°	6.8	7.1	7.3	7.5	7.5	7.4
58.5°	6.7	7.0	7.2	7.4	7.4	7.3
59°	6.6	6.9	7.1	7.3	7.3	7.2
59.5°	6.5	6.8	7.0	7.2	7.2	7.1
60°	6.4	6.7	7.0	7.1	7.1	7.0
60.5°	6.3	6.6	6.9	7.0	7.0	6.9
61°	6.2	6.5	6.8	6.9	6.9	6.8
61.5°	6.1	6.4	6.7	6.8	6.8	6.8
62°	6.0	6.3	6.6	6.7	6.7	6.7
62.5°	5.9	6.2	6.5	6.7	6.6	6.6
63°	5.8	6.1	6.4	6.6	6.6	6.5
63.5°	5.8	6.0	6.3	6.5	6.5	6.4
64°	5.7	5.9	6.2	6.4	6.4	6.3
64.5°	5.6	5.8	6.1	6.3	6.3	6.2
65°	5.5	5.8	6.0	6.2	6.2	6.1
65.5°	5.4	5.7	5.9	6.1	6.1	6.1
66°	5.3	5.6	5.8	6.0	6.0	6.0
66.5°	5.2	5.5	5.8	6.0	6.0	5.9
67°	5.1	5.4	5.7	5.9	5.9	5.8

TEST NUMBER: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	5.0	5.3	5.6	5.8	5.8	5.7
68°	4.9	5.2	5.5	5.7	5.7	5.7
68.5°	4.8	5.1	5.4	5.6	5.6	5.6
69°	4.7	5.0	5.3	5.5	5.5	5.5
69.5°	4.7	4.9	5.2	5.4	5.4	5.4
70°	4.6	4.8	5.1	5.3	5.4	5.3
70.5°	4.5	4.8	5.0	5.2	5.3	5.2
71°	4.4	4.7	5.0	5.1	5.2	5.1
71.5°	4.3	4.6	4.9	5.1	5.1	5.1
72°	4.2	4.5	4.8	5.0	5.0	5.0
72.5°	4.1	4.4	4.7	4.9	4.9	4.9
73°	4.0	4.3	4.6	4.8	4.9	4.8
73.5°	3.9	4.2	4.5	4.7	4.8	4.7
74°	3.8	4.1	4.4	4.6	4.7	4.6
74.5°	3.7	4.0	4.3	4.5	4.6	4.6
75°	3.6	3.9	4.2	4.4	4.5	4.5
75.5°	3.5	3.8	4.1	4.3	4.4	4.4
76°	3.4	3.7	4.0	4.2	4.3	4.3
76.5°	3.3	3.6	3.9	4.1	4.2	4.2
77°	3.1	3.4	3.7	4.0	4.1	4.1
77.5°	3.0	3.3	3.6	3.8	4.0	4.0
78°	2.8	3.1	3.4	3.7	3.8	3.9
78.5°	2.7	2.9	3.3	3.5	3.7	3.7
79°	2.4	2.8	3.1	3.4	3.5	3.6
79.5°	2.2	2.5	2.9	3.2	3.4	3.4
80°	1.9	2.2	2.6	2.9	3.1	3.2
80.5°	1.4	1.8	2.2	2.6	2.9	3.0
81°	1.0	1.4	1.9	2.2	2.6	2.7
81.5°	0.8	1.0	1.4	1.8	2.2	2.3
82°	0.6	0.7	1.0	1.4	1.7	1.9
82.5°	0.5	0.5	0.7	0.9	1.3	1.5
83°	0.4	0.5	0.5	0.6	0.8	1.0
83.5°	0.4	0.4	0.4	0.5	0.5	0.7
84°	0.4	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	0.4
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	0.3
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	0.1	0.2
89.5°	0.0	0.1	0.1	0.1	0.1	0.1

TEST NUMBER: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-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: P979254

CATALOG NUMBER: PRLX-CYL2-X-940-10L-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	7.36	8.29	7.73	8.60	8.91	6.81	7.73	7.17	8.04	8.36
	3H	9.66	10.47	10.04	10.81	11.17	8.88	9.69	9.26	10.02	10.39
	4H	10.76	11.51	11.17	11.86	12.25	9.85	10.60	10.26	10.96	11.35
	6H	11.75	12.44	12.17	12.81	13.21	10.65	11.33	11.07	11.71	12.11
	8H	11.95	12.59	12.39	12.99	13.40	10.74	11.38	11.17	11.77	12.18
	12H	11.91	12.53	12.35	12.91	13.34	10.69	11.31	11.13	11.69	12.12
4H	2H	7.98	8.73	8.39	9.09	9.48	7.40	8.15	7.81	8.51	8.90
	3H	10.52	11.13	10.94	11.54	11.95	9.72	10.33	10.14	10.74	11.15
	4H	11.79	12.33	12.23	12.76	13.21	10.85	11.39	11.29	11.82	12.27
	6H	12.93	13.40	13.41	13.85	14.33	11.78	12.25	12.26	12.70	13.18
	8H	13.15	13.59	13.63	14.04	14.51	11.88	12.31	12.36	12.76	13.24
	12H	13.12	13.49	13.61	13.98	14.46	11.84	12.21	12.34	12.70	13.18
8H	4H	12.18	12.61	12.65	13.06	13.54	11.24	11.67	11.72	12.13	12.60
	6H	13.47	13.81	13.98	14.32	14.80	12.30	12.64	12.81	13.15	13.63
	8H	13.72	14.02	14.26	14.55	15.04	12.42	12.72	12.96	13.24	13.74
	12H	13.71	13.97	14.23	14.47	15.05	12.41	12.67	12.93	13.17	13.75
12H	4H	12.20	12.57	12.69	13.06	13.53	11.27	11.64	11.76	12.13	12.61
	6H	13.50	13.80	14.04	14.33	14.82	12.34	12.64	12.87	13.16	13.66
	8H	13.77	14.03	14.30	14.53	15.11	12.48	12.74	13.01	13.24	13.82

END OF REPORT