

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: P979253

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

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979253
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-NF-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, NARROW FLOOD OPTIC
1000 LUMENS
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

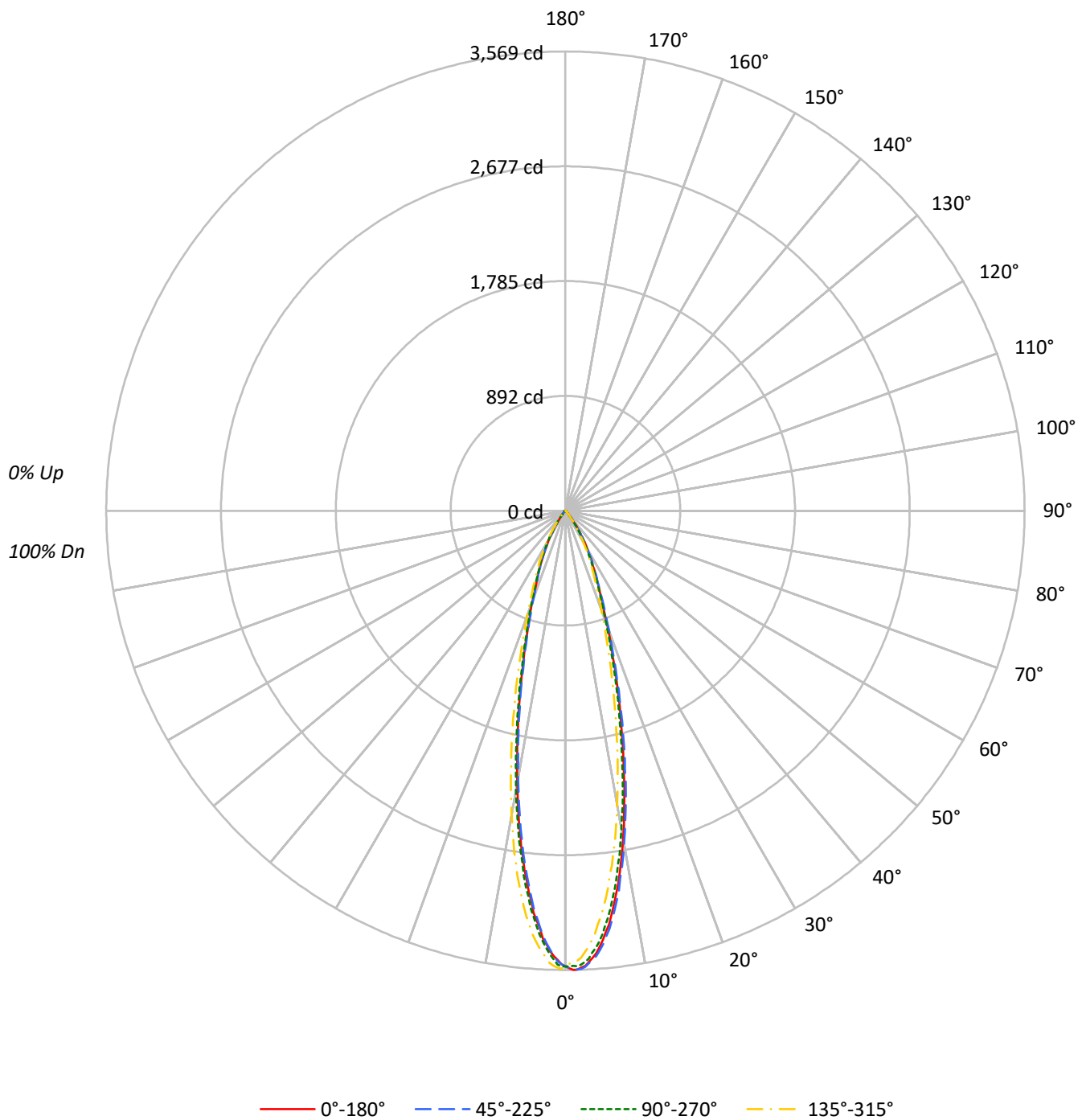
Lumens per Lamp: N/A
Luminaire Lumens: 1039.6 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.47
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

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: P979253

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

Luminous Intensity Polar Plot



TEST NUMBER: P979253

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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°	1100754	1100754	1100754	1100754
5°	1043659	1030120	950570	966480
10°	814255	794564	679729	696549
15°	534755	518604	419639	433602
20°	316760	305681	245921	255578
25°	192983	184377	152007	158625
30°	122044	111351	86160	94126
35°	60853	52848	35358	41315
40°	20730	18905	12657	14280
45°	8307	8263	6680	6944
50°	5850	5753	5270	5318
55°	5093	4876	4714	4822
60°	4972	4537	4475	4786
65°	5074	4412	4412	4927
70°	5361	4452	4452	5179
75°	5884	4563	4563	5643
80°	6443	4295	3042	4832
85°	1783	1426	1070	1426

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8702 cd/sqm

TEST NUMBER: P979253

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.0	26.7
10°-20°	408.3	39.3
20°-30°	234.7	22.6
30°-40°	83.7	8.1
40°-50°	15.1	1.5
50°-60°	8.2	0.8
60°-70°	6.4	0.6
70°-80°	4.5	0.4
80°-90°	0.8	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°	921.0	88.6
0°-40°	1004.7	96.6
0°-60°	1028.0	98.9
0°-90°	1039.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1039.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3542	3542	3542	3542	3542	
5°	3346	3302	3047	3098	3354	294
15°	1662	1612	1304	1348	1667	456
25°	563	538	443	463	564	265
35°	160	139	93	109	161	104
45°	19	19	15	16	19	17
55°	9	9	9	9	9	9
65°	7	6	6	7	7	7
75°	5	4	4	5	5	5
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CATALOG NUMBER: PRLX-CYL2-X-940-10L-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°	3542.0	3542.0	3542.0	3542.0	3542.0	3542.0	3542.0	3542.0	3542.0	3542.0	3542.0
0.5°	3558.7	3560.2	3554.2	3545.0	3541.2	3532.8	3520.7	3523.7	3522.9	3525.2	3522.9
1°	3569.4	3569.4	3563.3	3551.1	3538.9	3535.9	3514.6	3507.7	3491.0	3494.8	3499.3
1.5°	3567.1	3564.0	3566.3	3546.5	3540.4	3519.9	3497.0	3475.0	3462.8	3455.2	3462.8
2°	3551.9	3561.8	3563.3	3539.7	3529.8	3497.0	3475.0	3442.2	3420.9	3406.4	3416.3
2.5°	3540.4	3554.9	3546.5	3532.1	3511.5	3468.1	3436.9	3401.9	3371.4	3360.8	3363.0
3°	3513.0	3529.0	3519.9	3507.7	3485.6	3442.2	3395.8	3352.4	3331.8	3314.3	3309.0
3.5°	3480.3	3499.3	3503.9	3473.4	3439.2	3401.1	3344.0	3302.9	3253.4	3245.0	3243.5
4°	3448.3	3471.2	3465.1	3439.2	3403.4	3349.3	3298.3	3233.6	3192.5	3172.7	3171.2
4.5°	3401.1	3422.4	3424.0	3401.9	3359.2	3302.1	3225.2	3177.3	3134.6	3108.0	3105.7
5°	3345.5	3382.1	3377.5	3348.6	3302.1	3237.4	3164.3	3101.1	3047.1	3029.6	3018.1
5.5°	3286.9	3324.2	3319.6	3295.3	3239.7	3168.1	3098.1	3023.5	2977.0	2943.5	2940.5
6°	3233.6	3264.8	3269.4	3231.3	3177.3	3099.6	3022.7	2945.8	2884.9	2859.0	2859.0
6.5°	3158.2	3201.6	3200.1	3168.1	3101.9	3029.6	2945.8	2862.8	2812.6	2772.2	2763.8
7°	3090.5	3129.3	3127.8	3095.8	3028.0	2944.3	2846.8	2777.5	2708.3	2683.1	2682.4
7.5°	3014.3	3060.0	3055.4	3020.4	2951.1	2864.3	2779.1	2686.9	2625.3	2589.5	2583.4
8°	2934.4	2979.3	2985.4	2942.8	2871.9	2782.9	2681.6	2596.3	2527.8	2498.9	2497.3
8.5°	2848.3	2889.5	2889.5	2849.9	2777.5	2695.3	2597.8	2505.0	2447.1	2397.6	2400.7
9°	2760.0	2806.5	2811.8	2776.8	2696.8	2597.1	2501.9	2415.1	2339.7	2310.0	2302.4
9.5°	2672.5	2724.2	2724.2	2680.1	2597.8	2511.1	2409.8	2319.9	2249.1	2213.3	2211.8
10°	2580.3	2625.3	2629.1	2582.6	2517.9	2418.2	2321.5	2222.5	2154.0	2116.7	2118.2
10.5°	2491.3	2532.4	2541.5	2497.3	2412.8	2320.7	2224.8	2134.2	2062.6	2028.3	2018.4
11°	2395.3	2438.7	2441.0	2402.2	2327.6	2231.6	2125.0	2041.3	1969.7	1928.6	1927.1
11.5°	2295.6	2348.1	2347.4	2308.5	2234.7	2138.0	2038.2	1944.6	1876.8	1837.2	1838.7
12°	2201.2	2249.9	2259.0	2214.1	2137.2	2042.0	1946.9	1852.5	1784.7	1755.0	1751.2
12.5°	2110.6	2148.6	2160.1	2117.4	2040.5	1949.9	1850.9	1763.4	1700.2	1664.4	1659.8
13°	2014.6	2057.3	2060.3	2019.2	1955.2	1857.0	1758.8	1673.5	1614.9	1576.1	1570.0
13.5°	1921.7	1969.7	1973.5	1940.8	1868.4	1773.3	1678.1	1593.6	1529.6	1496.9	1496.1
14°	1833.4	1882.9	1883.7	1847.1	1775.6	1694.1	1598.1	1514.4	1448.9	1421.5	1417.7
14.5°	1743.6	1787.7	1796.9	1756.5	1691.8	1606.5	1517.4	1439.0	1380.4	1349.2	1344.6
15°	1662.1	1697.9	1702.5	1672.8	1611.9	1521.2	1436.0	1359.8	1304.3	1273.0	1270.8
15.5°	1576.1	1616.4	1621.0	1589.8	1525.1	1444.3	1357.6	1288.3	1229.6	1203.0	1195.4
16°	1494.6	1531.9	1535.0	1506.8	1445.9	1369.0	1286.0	1216.7	1163.4	1139.0	1135.2
16.5°	1413.1	1451.2	1458.8	1426.1	1368.2	1297.4	1217.5	1151.2	1102.5	1078.1	1072.8
17°	1337.0	1374.3	1380.4	1353.7	1297.4	1226.6	1151.2	1088.8	1040.1	1018.0	1014.2
17.5°	1267.7	1298.9	1300.4	1279.1	1228.1	1157.3	1086.5	1027.9	980.7	960.1	955.5
18°	1198.4	1228.1	1233.4	1206.0	1154.3	1094.1	1024.1	967.0	926.6	907.6	905.3
18.5°	1130.7	1160.4	1165.7	1139.8	1091.8	1034.7	969.2	916.7	872.5	855.8	855.0
19°	1066.7	1096.4	1100.2	1080.4	1037.0	977.6	916.7	866.5	827.6	810.9	808.6
19.5°	1012.6	1041.6	1046.1	1022.5	979.1	925.8	868.0	820.0	787.3	770.5	769.8
20°	957.8	980.7	987.5	964.7	924.3	873.3	819.3	774.3	743.6	727.0	728.6
20.5°	903.0	928.9	930.4	912.9	875.6	826.9	775.9	734.4	701.6	689.1	690.3
21°	856.6	875.6	878.6	864.2	826.9	783.5	735.4	696.8	667.4	654.9	654.9
21.5°	810.1	827.6	830.7	816.2	781.2	739.5	694.8	659.1	633.9	619.6	621.4
22°	767.5	785.8	786.5	769.8	737.9	699.6	658.1	624.6	600.4	589.9	590.8

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CATALOG NUMBER: PRLX-CYL2-X-940-10L-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°	725.8	744.2	744.8	728.9	699.5	664.5	625.9	594.0	571.0	561.0	561.9
23°	692.3	704.4	705.6	691.3	663.7	628.9	593.7	564.8	544.2	534.0	535.6
23.5°	655.0	665.3	669.0	654.7	629.1	597.3	563.0	536.3	516.9	506.6	509.7
24°	622.1	634.3	635.6	621.8	595.5	567.6	535.5	508.8	490.5	482.8	486.1
24.5°	591.7	601.0	602.2	589.7	565.5	539.6	508.6	482.6	467.1	459.2	462.5
25°	562.8	571.1	569.4	559.0	537.7	511.8	483.4	459.3	443.3	435.9	438.1
25.5°	536.8	543.6	543.9	530.1	509.6	486.4	458.7	436.7	421.3	413.7	416.2
26°	512.3	518.7	517.7	504.3	483.6	462.0	435.7	414.5	399.8	392.2	396.2
26.5°	485.4	491.2	490.9	478.6	459.3	438.4	412.4	391.7	377.9	370.9	374.8
27°	461.6	465.7	466.2	454.9	436.2	413.4	390.3	370.2	356.9	349.9	353.4
27.5°	442.1	444.1	442.2	432.2	412.7	392.1	370.2	348.5	336.0	329.9	333.8
28°	420.5	423.0	421.1	409.6	391.8	370.9	349.3	328.1	316.7	309.6	314.4
28.5°	398.7	401.6	400.0	386.6	369.8	350.2	326.9	307.7	297.1	289.3	295.1
29°	378.9	380.7	379.4	365.5	349.2	329.8	307.5	288.7	277.6	270.7	275.6
29.5°	359.9	360.1	358.9	346.4	329.4	309.4	288.2	269.8	258.6	252.4	256.6
30°	340.1	341.6	338.9	326.9	310.3	289.3	269.2	250.7	240.1	234.6	238.1
30.5°	320.2	323.0	319.7	307.2	291.1	270.7	251.2	232.2	223.2	217.1	220.9
31°	301.8	303.9	299.8	287.3	271.7	251.9	232.8	214.1	205.4	199.0	203.8
31.5°	282.6	283.9	280.2	267.6	251.7	233.7	215.2	196.9	188.1	182.0	186.7
32°	264.4	265.0	262.1	249.7	234.3	216.2	197.6	180.4	171.5	166.4	170.9
32.5°	244.9	246.3	243.8	231.3	216.6	198.6	180.5	164.2	155.9	151.4	155.3
33°	227.3	228.3	226.0	213.6	200.5	181.8	164.9	149.8	141.2	136.7	140.8
33.5°	209.9	211.7	208.8	197.2	183.7	166.7	150.5	136.6	128.4	124.3	127.3
34°	193.0	194.7	191.5	181.1	167.4	152.4	137.4	123.0	116.0	112.4	114.6
34.5°	177.3	178.5	175.6	165.0	153.0	138.6	124.3	110.9	104.1	101.3	103.1
35°	160.4	162.3	159.5	150.2	139.3	125.0	111.9	99.7	93.2	90.3	92.2
35.5°	145.2	146.9	144.4	136.3	126.1	112.4	100.7	89.2	83.0	80.6	82.3
36°	131.1	132.9	130.6	123.4	113.5	100.7	89.9	79.6	74.3	71.7	73.7
36.5°	117.3	119.3	116.8	110.3	101.5	90.5	80.6	71.3	66.2	63.9	65.3
37°	104.8	107.0	104.6	98.6	90.7	81.1	72.1	63.7	59.2	57.2	58.1
37.5°	93.5	95.8	93.6	88.5	81.2	72.2	64.2	57.0	53.0	51.3	51.9
38°	83.1	85.1	83.4	79.0	72.7	65.1	57.7	50.8	47.2	45.9	46.4
38.5°	74.0	75.9	74.5	71.2	65.2	58.3	51.5	45.7	42.3	41.2	41.6
39°	65.5	67.4	65.9	63.0	57.9	52.1	46.3	41.3	38.0	37.1	37.4
39.5°	57.8	59.7	58.5	56.0	52.0	46.7	41.8	37.3	34.4	33.7	33.7
40°	51.1	53.1	52.3	50.0	46.6	41.9	37.6	33.7	31.2	30.5	30.5
40.5°	45.1	47.0	46.3	44.4	41.7	37.7	33.9	30.5	28.4	27.7	27.8
41°	40.1	41.8	41.1	39.7	37.5	34.1	30.9	27.8	26.0	25.3	25.4
41.5°	35.6	37.4	37.2	35.6	33.8	30.9	28.0	25.2	23.7	23.3	23.4
42°	31.8	33.2	33.0	31.9	30.6	28.2	25.7	23.1	21.8	21.4	21.5
42.5°	28.6	29.9	29.9	29.1	27.8	25.8	23.4	21.3	20.2	19.9	19.9
43°	26.0	27.2	27.3	26.7	25.6	23.8	21.7	19.8	18.8	18.6	18.6
43.5°	23.7	24.8	24.8	24.5	23.5	21.9	20.2	18.5	17.7	17.5	17.5
44°	22.0	22.9	23.0	22.7	21.8	20.3	18.8	17.4	16.8	16.6	16.5
44.5°	20.4	21.2	21.3	21.0	20.2	19.0	17.7	16.5	16.0	15.8	15.7

TEST NUMBER: P979253

CATALOG NUMBER: PRLX-CYL2-X-940-10L-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°	18.9	19.7	19.8	19.4	18.8	17.8	16.7	15.7	15.2	15.0	15.0
45.5°	17.7	18.3	18.5	18.2	17.7	16.8	15.9	15.0	14.6	14.3	14.3
46°	16.7	17.2	17.4	17.1	16.7	15.8	15.1	14.3	13.9	13.8	13.7
46.5°	15.9	16.3	16.4	16.2	15.8	15.2	14.4	13.7	13.4	13.3	13.2
47°	15.1	15.4	15.6	15.4	15.0	14.4	13.8	13.2	12.9	12.8	12.8
47.5°	14.4	14.7	14.8	14.7	14.3	13.8	13.3	12.7	12.5	12.4	12.3
48°	13.9	14.1	14.3	14.1	13.7	13.3	12.8	12.4	12.1	12.0	12.0
48.5°	13.3	13.6	13.7	13.5	13.2	12.8	12.4	12.0	11.8	11.7	11.7
49°	12.9	13.1	13.2	13.0	12.7	12.4	12.0	11.6	11.5	11.4	11.3
49.5°	12.4	12.6	12.7	12.6	12.3	11.9	11.6	11.3	11.1	11.1	11.1
50°	12.1	12.2	12.3	12.1	11.9	11.6	11.3	11.0	10.9	10.8	10.8
50.5°	11.7	11.8	11.9	11.7	11.5	11.2	11.0	10.7	10.6	10.5	10.6
51°	11.3	11.5	11.5	11.4	11.1	10.9	10.7	10.4	10.3	10.3	10.3
51.5°	11.0	11.1	11.2	11.0	10.8	10.6	10.4	10.1	10.1	10.0	10.1
52°	10.8	10.8	10.8	10.7	10.5	10.3	10.1	9.9	9.8	9.8	9.8
52.5°	10.5	10.5	10.5	10.4	10.2	10.0	9.9	9.7	9.6	9.6	9.7
53°	10.2	10.3	10.2	10.1	9.9	9.8	9.7	9.4	9.4	9.4	9.5
53.5°	10.0	10.0	10.0	9.9	9.7	9.5	9.4	9.2	9.3	9.2	9.3
54°	9.8	9.8	9.8	9.6	9.5	9.3	9.2	9.1	9.1	9.1	9.1
54.5°	9.6	9.6	9.5	9.4	9.2	9.1	9.0	8.9	8.9	8.9	9.0
55°	9.4	9.4	9.3	9.2	9.0	8.9	8.8	8.7	8.7	8.7	8.8
55.5°	9.2	9.2	9.1	9.0	8.8	8.7	8.6	8.5	8.5	8.6	8.7
56°	9.1	9.0	8.9	8.8	8.6	8.5	8.4	8.3	8.4	8.4	8.5
56.5°	8.9	8.8	8.7	8.6	8.4	8.3	8.3	8.2	8.2	8.3	8.4
57°	8.8	8.7	8.5	8.4	8.2	8.2	8.1	8.0	8.1	8.1	8.2
57.5°	8.6	8.5	8.4	8.2	8.1	8.0	7.9	7.9	7.9	8.0	8.1
58°	8.5	8.3	8.2	8.1	7.9	7.8	7.8	7.7	7.8	7.9	8.0
58.5°	8.3	8.2	8.0	7.9	7.7	7.7	7.6	7.6	7.6	7.7	7.9
59°	8.2	8.1	7.9	7.7	7.6	7.5	7.5	7.4	7.5	7.6	7.7
59.5°	8.1	7.9	7.8	7.6	7.4	7.3	7.3	7.3	7.4	7.5	7.6
60°	8.0	7.8	7.6	7.4	7.3	7.2	7.2	7.1	7.2	7.4	7.5
60.5°	7.9	7.6	7.5	7.3	7.2	7.1	7.1	7.0	7.1	7.2	7.4
61°	7.7	7.5	7.3	7.1	7.0	6.9	6.9	6.9	7.0	7.1	7.3
61.5°	7.6	7.4	7.2	7.0	6.9	6.8	6.8	6.8	6.8	7.0	7.2
62°	7.5	7.3	7.1	6.9	6.8	6.7	6.6	6.6	6.7	6.9	7.0
62.5°	7.4	7.2	7.0	6.7	6.6	6.5	6.5	6.5	6.6	6.8	6.9
63°	7.3	7.1	6.8	6.6	6.5	6.4	6.4	6.4	6.5	6.6	6.8
63.5°	7.2	7.0	6.7	6.5	6.4	6.3	6.3	6.3	6.4	6.5	6.7
64°	7.1	6.9	6.6	6.4	6.2	6.2	6.1	6.1	6.2	6.4	6.6
64.5°	7.0	6.8	6.5	6.3	6.1	6.0	6.0	6.0	6.1	6.3	6.5
65°	6.9	6.7	6.4	6.1	6.0	5.9	5.9	5.9	6.0	6.2	6.4
65.5°	6.8	6.5	6.3	6.0	5.9	5.8	5.8	5.8	5.9	6.1	6.3
66°	6.7	6.4	6.2	5.9	5.8	5.7	5.7	5.7	5.8	6.0	6.2
66.5°	6.6	6.3	6.1	5.8	5.6	5.6	5.5	5.6	5.7	5.9	6.1
67°	6.5	6.2	5.9	5.7	5.5	5.4	5.4	5.4	5.6	5.8	6.0

TEST NUMBER: P979253

CATALOG NUMBER: PRLX-CYL2-X-940-10L-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°	6.4	6.1	5.8	5.6	5.4	5.3	5.3	5.3	5.5	5.7	5.9
68°	6.3	6.0	5.7	5.4	5.3	5.2	5.2	5.2	5.3	5.5	5.8
68.5°	6.2	5.9	5.6	5.3	5.2	5.1	5.1	5.1	5.2	5.4	5.7
69°	6.0	5.8	5.5	5.3	5.1	5.0	5.0	5.0	5.1	5.3	5.6
69.5°	6.0	5.7	5.4	5.2	5.0	4.9	4.9	4.9	5.0	5.2	5.5
70°	5.9	5.6	5.3	5.1	4.9	4.8	4.8	4.8	4.9	5.1	5.4
70.5°	5.8	5.5	5.2	4.9	4.8	4.7	4.7	4.7	4.8	5.0	5.2
71°	5.7	5.4	5.1	4.8	4.7	4.6	4.5	4.6	4.7	4.9	5.1
71.5°	5.6	5.4	5.0	4.8	4.6	4.5	4.4	4.5	4.6	4.8	5.0
72°	5.5	5.3	4.9	4.6	4.5	4.4	4.3	4.4	4.5	4.7	4.9
72.5°	5.4	5.2	4.9	4.6	4.3	4.3	4.2	4.3	4.4	4.6	4.8
73°	5.3	5.0	4.8	4.5	4.3	4.1	4.1	4.2	4.3	4.5	4.7
73.5°	5.2	5.0	4.7	4.4	4.1	4.0	4.0	4.1	4.2	4.4	4.6
74°	5.1	4.9	4.6	4.3	4.0	3.9	3.9	3.9	4.1	4.3	4.5
74.5°	5.0	4.8	4.5	4.1	3.9	3.8	3.8	3.8	3.9	4.1	4.4
75°	4.9	4.7	4.4	4.1	3.8	3.7	3.7	3.7	3.8	4.0	4.2
75.5°	4.8	4.6	4.2	3.9	3.7	3.6	3.6	3.6	3.7	3.9	4.1
76°	4.7	4.4	4.1	3.8	3.6	3.5	3.4	3.5	3.5	3.7	4.0
76.5°	4.6	4.3	4.0	3.7	3.5	3.4	3.3	3.3	3.4	3.6	3.8
77°	4.5	4.2	3.9	3.6	3.4	3.2	3.2	3.2	3.3	3.4	3.7
77.5°	4.3	4.1	3.8	3.5	3.3	3.1	3.0	3.0	3.1	3.2	3.5
78°	4.2	4.0	3.7	3.4	3.1	2.9	2.9	2.9	2.9	3.1	3.3
78.5°	4.1	3.8	3.6	3.2	3.0	2.8	2.7	2.7	2.7	2.8	3.0
79°	3.9	3.7	3.4	3.1	2.8	2.6	2.5	2.4	2.4	2.5	2.8
79.5°	3.8	3.5	3.3	2.9	2.6	2.4	2.3	2.1	2.1	2.1	2.4
80°	3.6	3.4	3.1	2.7	2.4	2.2	2.0	1.8	1.7	1.7	2.0
80.5°	3.4	3.2	2.9	2.5	2.2	1.9	1.7	1.4	1.3	1.3	1.5
81°	3.1	2.9	2.6	2.3	1.9	1.6	1.4	1.1	0.9	0.9	1.1
81.5°	2.7	2.6	2.3	1.9	1.5	1.3	0.9	0.8	0.7	0.6	0.7
82°	2.2	2.1	1.9	1.5	1.2	0.9	0.7	0.6	0.5	0.5	0.5
82.5°	1.8	1.7	1.5	1.2	0.8	0.7	0.6	0.5	0.5	0.5	0.5
83°	1.2	1.3	1.1	0.8	0.7	0.6	0.5	0.5	0.5	0.4	0.5
83.5°	0.8	0.8	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4
84°	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4
84.5°	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3
85°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3
85.5°	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
86°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2
86.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2
87°	0.3	0.4	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	0.2	0.1	0.1	0.1
88°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
88.5°	0.2	0.2	0.2	0.2	0.2	0.2	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	0.1	0.1	0.1	0.1



TEST NUMBER: P979253
CATALOG NUMBER: PRLX-CYL2-X-940-10L-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: P979253

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3542.0	3542.0	3542.0	3542.0	3542.0	3542.0
0.5°	3541.2	3541.2	3546.5	3560.2	3561.8	3557.2
1°	3507.7	3526.7	3532.1	3551.1	3558.7	3557.2
1.5°	3471.2	3488.7	3509.2	3538.2	3538.9	3564.8
2°	3430.0	3450.6	3481.8	3515.3	3534.4	3554.2
2.5°	3382.1	3404.9	3443.8	3474.2	3513.0	3533.6
3°	3321.9	3356.2	3399.6	3439.9	3481.8	3513.0
3.5°	3267.9	3301.4	3345.5	3394.3	3443.8	3485.6
4°	3197.1	3236.7	3288.4	3346.3	3403.4	3441.5
4.5°	3127.0	3164.3	3226.8	3296.0	3353.9	3397.3
5°	3047.1	3098.1	3157.5	3228.3	3296.8	3353.9
5.5°	2964.8	3010.5	3083.6	3164.3	3236.7	3286.1
6°	2884.9	2935.1	3004.4	3089.7	3177.3	3234.4
6.5°	2792.8	2852.2	2931.3	3018.1	3096.6	3164.3
7°	2706.7	2755.5	2839.2	2934.4	3025.7	3089.7
7.5°	2613.8	2672.5	2754.7	2856.0	2948.1	3018.1
8°	2522.5	2583.4	2670.2	2768.4	2866.6	2936.7
8.5°	2433.4	2483.6	2578.1	2687.7	2774.5	2856.7
9°	2332.1	2396.8	2480.6	2593.3	2696.1	2769.2
9.5°	2240.8	2300.1	2396.8	2496.6	2604.7	2673.2
10°	2147.1	2207.3	2297.1	2409.0	2508.0	2589.5
10.5°	2052.7	2112.1	2201.9	2315.4	2418.9	2493.5
11°	1958.3	2020.0	2114.4	2221.7	2319.2	2399.1
11.5°	1867.7	1925.5	2018.4	2123.5	2229.3	2300.9
12°	1778.6	1839.5	1926.3	2031.4	2131.1	2209.5
12.5°	1684.9	1745.9	1831.1	1940.0	2035.2	2110.6
13°	1602.7	1656.8	1743.6	1850.2	1947.6	2020.7
13.5°	1522.0	1578.4	1659.8	1759.6	1855.5	1926.3
14°	1445.9	1493.1	1579.9	1678.1	1769.5	1834.9
14.5°	1372.0	1426.1	1497.6	1593.6	1685.7	1751.2
15°	1295.9	1347.7	1419.2	1508.3	1599.7	1666.7
15.5°	1223.5	1269.2	1343.1	1433.7	1516.7	1581.4
16°	1158.1	1203.8	1273.8	1354.5	1438.3	1494.6
16.5°	1094.9	1141.3	1204.5	1284.5	1360.6	1418.5
17°	1034.7	1079.6	1137.5	1212.9	1289.8	1345.4
17.5°	979.9	1017.2	1072.0	1147.4	1218.2	1270.8
18°	925.8	960.9	1014.2	1082.7	1148.9	1201.5
18.5°	874.1	906.8	962.4	1024.1	1085.0	1132.9
19°	826.9	858.8	908.3	965.4	1025.6	1072.0
19.5°	783.5	817.0	859.6	912.9	972.3	1015.7
20°	744.4	772.8	813.9	865.7	919.0	962.4
20.5°	706.6	731.0	769.8	821.5	868.0	906.8
21°	667.2	694.1	730.2	775.1	820.0	857.3
21.5°	632.9	657.8	691.9	732.6	773.6	810.1
22°	603.4	624.1	655.6	695.8	732.8	769.0

TEST NUMBER: P979253

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	575.5	594.3	624.3	663.6	696.1	727.2
23°	547.0	565.9	593.6	630.2	660.9	690.4
23.5°	519.5	537.0	565.0	598.3	626.5	656.3
24°	493.7	511.6	537.4	571.5	594.6	622.7
24.5°	470.3	486.4	510.5	545.7	566.1	593.0
25°	449.1	462.6	487.0	520.6	539.6	563.7
25.5°	426.5	440.0	463.5	497.3	514.6	536.2
26°	405.3	419.7	440.8	476.4	490.3	511.1
26.5°	383.5	399.3	418.2	454.2	466.7	487.1
27°	363.0	376.4	397.7	433.0	444.1	463.5
27.5°	343.2	356.5	377.8	412.9	423.0	442.6
28°	323.8	337.6	357.5	394.2	402.5	420.9
28.5°	304.2	318.0	337.6	375.4	382.0	398.6
29°	285.9	299.1	318.2	355.5	362.3	379.9
29.5°	266.5	280.6	299.4	336.5	344.3	360.3
30°	247.8	262.3	280.8	316.8	324.6	339.9
30.5°	230.2	244.3	263.0	297.6	305.5	321.2
31°	213.1	227.0	245.2	278.4	286.6	301.7
31.5°	195.7	209.7	226.9	258.6	268.2	283.2
32°	179.3	192.9	209.2	239.8	249.4	264.7
32.5°	163.5	176.7	192.5	221.0	230.9	245.5
33°	148.8	161.9	176.3	202.8	213.0	227.3
33.5°	135.0	147.6	161.3	185.5	196.5	210.1
34°	121.9	134.1	147.0	167.2	179.8	193.3
34.5°	110.1	121.1	132.9	151.1	163.6	177.1
35°	98.4	108.9	119.7	135.7	148.6	161.0
35.5°	87.8	97.2	107.5	121.0	133.8	145.7
36°	78.7	86.8	96.2	107.5	120.1	131.4
36.5°	69.7	77.7	86.1	95.0	107.6	118.2
37°	62.1	69.1	76.5	84.3	96.0	105.5
37.5°	55.5	61.7	68.2	74.1	85.3	93.7
38°	49.3	54.9	60.6	65.3	75.6	83.0
38.5°	44.0	48.9	53.8	57.7	67.0	74.1
39°	39.7	43.8	47.8	50.8	59.3	65.5
39.5°	35.6	39.3	42.8	45.1	52.5	58.0
40°	32.2	35.2	38.2	39.9	46.4	51.4
40.5°	29.1	31.6	34.2	35.5	41.1	45.5
41°	26.5	28.6	30.9	31.8	36.6	40.1
41.5°	24.2	26.0	27.9	28.6	32.6	35.8
42°	22.2	23.7	25.4	26.0	29.4	31.7
42.5°	20.5	21.9	23.3	23.8	26.5	28.6
43°	19.2	20.3	21.6	22.0	24.2	26.0
43.5°	17.9	19.0	20.1	20.5	22.3	23.8
44°	16.9	17.8	18.8	19.2	20.7	22.0
44.5°	16.1	16.8	17.6	18.1	19.4	20.4

TEST NUMBER: P979253

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	15.2	15.8	16.7	17.0	18.1	19.0
45.5°	14.5	15.0	15.8	16.2	17.0	17.7
46°	13.9	14.3	15.0	15.4	16.1	16.7
46.5°	13.4	13.7	14.3	14.7	15.3	15.8
47°	12.9	13.2	13.7	14.1	14.6	15.0
47.5°	12.4	12.7	13.2	13.6	13.9	14.4
48°	12.1	12.3	12.7	13.1	13.4	13.8
48.5°	11.7	11.9	12.3	12.7	13.0	13.3
49°	11.4	11.6	12.0	12.3	12.6	12.8
49.5°	11.1	11.2	11.6	11.9	12.2	12.4
50°	10.8	11.0	11.3	11.6	11.8	12.0
50.5°	10.6	10.7	11.0	11.3	11.5	11.7
51°	10.3	10.5	10.7	11.0	11.2	11.3
51.5°	10.1	10.2	10.5	10.7	10.9	11.0
52°	9.9	10.0	10.2	10.5	10.7	10.7
52.5°	9.7	9.8	10.0	10.3	10.4	10.5
53°	9.5	9.6	9.8	10.1	10.2	10.2
53.5°	9.3	9.4	9.7	9.9	10.0	10.0
54°	9.2	9.3	9.5	9.7	9.8	9.8
54.5°	9.0	9.1	9.3	9.5	9.6	9.6
55°	8.8	8.9	9.1	9.3	9.4	9.4
55.5°	8.7	8.8	9.0	9.2	9.2	9.2
56°	8.6	8.7	8.9	9.0	9.1	9.1
56.5°	8.4	8.6	8.8	8.9	8.9	8.9
57°	8.3	8.4	8.6	8.8	8.8	8.7
57.5°	8.2	8.3	8.5	8.6	8.7	8.6
58°	8.1	8.2	8.4	8.5	8.5	8.5
58.5°	7.9	8.1	8.3	8.4	8.4	8.3
59°	7.8	7.9	8.1	8.3	8.3	8.2
59.5°	7.7	7.8	8.0	8.1	8.1	8.1
60°	7.6	7.7	7.9	8.0	8.0	7.9
60.5°	7.5	7.6	7.8	7.9	7.9	7.8
61°	7.4	7.5	7.7	7.8	7.8	7.7
61.5°	7.3	7.4	7.6	7.7	7.7	7.6
62°	7.2	7.3	7.5	7.6	7.6	7.5
62.5°	7.1	7.2	7.4	7.5	7.5	7.4
63°	7.0	7.1	7.3	7.4	7.4	7.3
63.5°	6.9	7.0	7.2	7.3	7.3	7.2
64°	6.8	6.9	7.1	7.2	7.2	7.1
64.5°	6.7	6.8	7.0	7.1	7.1	7.0
65°	6.6	6.7	6.9	7.0	7.0	6.9
65.5°	6.5	6.6	6.8	6.9	6.9	6.8
66°	6.4	6.5	6.7	6.8	6.8	6.7
66.5°	6.3	6.4	6.6	6.7	6.7	6.6
67°	6.1	6.3	6.5	6.6	6.6	6.5

TEST NUMBER: P979253

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	6.1	6.2	6.4	6.5	6.5	6.4
68°	6.0	6.1	6.3	6.4	6.4	6.2
68.5°	5.9	6.0	6.2	6.3	6.3	6.1
69°	5.8	5.9	6.1	6.2	6.2	6.1
69.5°	5.7	5.8	6.0	6.1	6.1	6.0
70°	5.6	5.7	6.0	6.0	6.0	5.9
70.5°	5.5	5.6	5.9	5.9	5.9	5.8
71°	5.4	5.6	5.8	5.8	5.8	5.7
71.5°	5.2	5.5	5.7	5.7	5.7	5.6
72°	5.1	5.4	5.6	5.6	5.6	5.5
72.5°	5.0	5.2	5.5	5.5	5.5	5.4
73°	5.0	5.1	5.4	5.5	5.4	5.3
73.5°	4.9	5.0	5.3	5.4	5.3	5.2
74°	4.7	4.9	5.2	5.3	5.2	5.1
74.5°	4.6	4.8	5.0	5.1	5.1	5.0
75°	4.5	4.7	4.9	5.0	5.0	4.9
75.5°	4.3	4.6	4.8	4.9	4.9	4.8
76°	4.2	4.5	4.7	4.8	4.8	4.7
76.5°	4.1	4.3	4.6	4.7	4.7	4.6
77°	3.9	4.2	4.4	4.6	4.6	4.5
77.5°	3.7	4.0	4.3	4.4	4.5	4.3
78°	3.5	3.9	4.1	4.3	4.3	4.2
78.5°	3.3	3.7	3.9	4.1	4.2	4.1
79°	3.1	3.4	3.7	3.9	4.0	3.9
79.5°	2.7	3.1	3.5	3.7	3.8	3.8
80°	2.3	2.7	3.2	3.5	3.6	3.6
80.5°	1.8	2.3	2.8	3.2	3.4	3.4
81°	1.4	1.8	2.3	2.8	3.0	3.1
81.5°	0.9	1.2	1.8	2.3	2.6	2.7
82°	0.6	0.8	1.2	1.7	2.1	2.2
82.5°	0.5	0.6	0.8	1.2	1.6	1.8
83°	0.5	0.5	0.6	0.8	1.0	1.3
83.5°	0.4	0.5	0.5	0.6	0.7	0.8
84°	0.4	0.4	0.5	0.5	0.6	0.6
84.5°	0.4	0.4	0.4	0.5	0.5	0.6
85°	0.3	0.4	0.4	0.4	0.5	0.5
85.5°	0.3	0.3	0.4	0.4	0.4	0.5
86°	0.3	0.3	0.3	0.4	0.4	0.4
86.5°	0.2	0.3	0.3	0.3	0.4	0.4
87°	0.2	0.2	0.3	0.3	0.3	0.3
87.5°	0.2	0.2	0.2	0.3	0.3	0.3
88°	0.1	0.2	0.2	0.2	0.3	0.3
88.5°	0.1	0.1	0.2	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: P979253
CATALOG NUMBER: PRLX-CYL2-X-940-10L-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: P979253

CATALOG NUMBER: PRLX-CYL2-X-940-10L-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	8.23	9.15	8.59	9.46	9.78	7.81	8.74	8.18	9.05	9.37
	3H	10.40	11.21	10.78	11.55	11.92	9.65	10.46	10.03	10.80	11.16
	4H	11.45	12.20	11.86	12.56	12.95	10.47	11.22	10.88	11.58	11.97
	6H	12.41	13.10	12.83	13.47	13.87	11.15	11.84	11.57	12.22	12.61
	8H	12.63	13.28	13.07	13.67	14.08	11.22	11.87	11.66	12.26	12.67
	12H	12.60	13.22	13.03	13.60	14.03	11.18	11.80	11.62	12.18	12.62
4H	2H	8.81	9.56	9.21	9.91	10.31	8.35	9.11	8.76	9.46	9.85
	3H	11.23	11.85	11.65	12.26	12.66	10.44	11.05	10.85	11.46	11.87
	4H	12.45	13.00	12.89	13.42	13.87	11.41	11.96	11.85	12.39	12.84
	6H	13.57	14.04	14.04	14.49	14.97	12.23	12.70	12.70	13.15	13.63
	8H	13.82	14.25	14.30	14.71	15.18	12.31	12.75	12.79	13.20	13.68
	12H	13.79	14.16	14.28	14.65	15.13	12.28	12.65	12.77	13.14	13.62
8H	4H	12.83	13.27	13.31	13.72	14.19	11.78	12.22	12.26	12.67	13.15
	6H	14.11	14.45	14.62	14.96	15.44	12.72	13.06	13.23	13.57	14.06
	8H	14.39	14.69	14.92	15.21	15.71	12.83	13.13	13.36	13.66	14.15
	12H	14.38	14.64	14.91	15.14	15.72	12.82	13.08	13.35	13.58	14.16
12H	4H	12.85	13.22	13.34	13.71	14.19	11.81	12.18	12.30	12.67	13.15
	6H	14.14	14.44	14.68	14.97	15.47	12.76	13.06	13.29	13.58	14.08
	8H	14.44	14.70	14.97	15.20	15.78	12.89	13.15	13.41	13.65	14.23