

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: P979245

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

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979245
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-NF-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, NARROW FLOOD OPTIC
1000 LUMENS
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

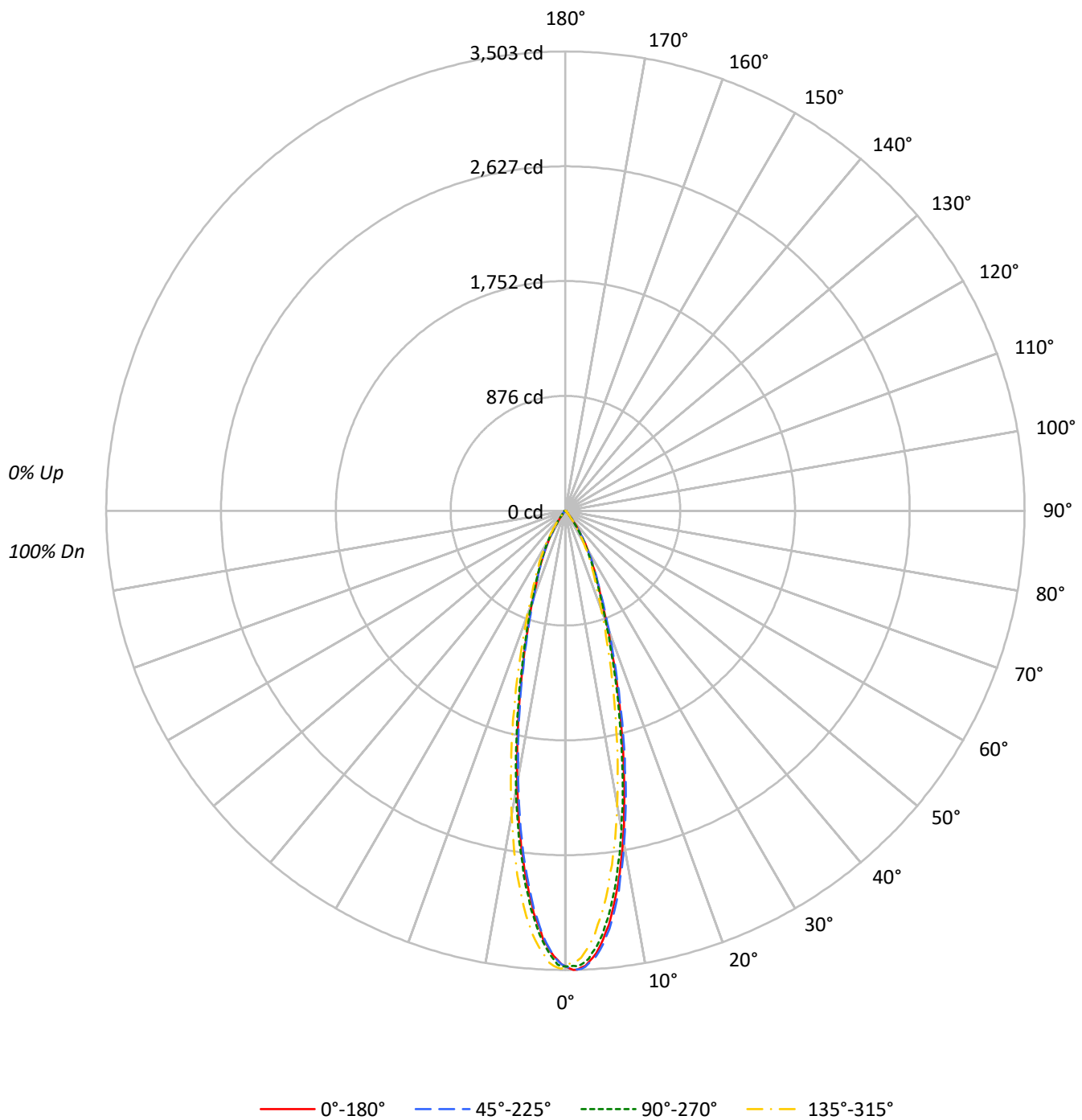
Lumens per Lamp: N/A
Luminaire Lumens: 1020.3 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.47
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

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: P979245

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

Luminous Intensity Polar Plot



TEST NUMBER: P979245

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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°	1080368	1080368	1080368	1080368
5°	1024349	1011059	932945	948574
10°	799203	779858	667138	683642
15°	524846	508984	411853	425559
20°	310907	300026	241357	250849
25°	189417	180948	149195	155710
30°	119784	109269	84581	92368
35°	59753	51862	34713	40556
40°	20325	18540	12454	14037
45°	8131	8131	6549	6812
50°	5705	5657	5173	5222
55°	5039	4822	4605	4768
60°	4848	4413	4413	4724
65°	5000	4339	4339	4853
70°	5270	4361	4361	5088
75°	5764	4563	4443	5523
80°	6264	4295	3042	4832
85°	1783	1426	1070	1426

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8570 cd/sqm

TEST NUMBER: P979245

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.9	26.7
10°-20°	400.7	39.3
20°-30°	230.3	22.6
30°-40°	82.1	8.1
40°-50°	14.8	1.5
50°-60°	8.1	0.8
60°-70°	6.2	0.6
70°-80°	4.4	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°	903.9	88.6
0°-40°	986.1	96.6
0°-60°	1009.0	98.9
0°-90°	1020.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1020.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3476	3476	3476	3476	3476	
5°	3284	3241	2991	3041	3292	289
15°	1631	1582	1280	1323	1636	447
25°	552	528	435	454	553	260
35°	158	137	92	107	158	103
45°	18	18	15	16	19	17
55°	9	9	8	9	9	8
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	

TEST NUMBER: P979245

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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°	3476.4	3476.4	3476.4	3476.4	3476.4	3476.4	3476.4	3476.4	3476.4	3476.4	3476.4
0.5°	3492.8	3494.3	3488.3	3479.4	3475.6	3467.4	3455.5	3458.4	3457.7	3459.9	3457.7
1°	3503.3	3503.3	3497.3	3485.3	3473.4	3470.4	3449.5	3442.7	3426.3	3430.0	3434.5
1.5°	3501.0	3498.0	3500.3	3480.9	3474.9	3454.7	3432.3	3410.6	3398.7	3391.2	3398.7
2°	3486.1	3495.8	3497.3	3474.1	3464.4	3432.3	3410.6	3378.5	3357.6	3343.4	3353.1
2.5°	3474.9	3489.1	3480.9	3466.7	3446.5	3403.9	3373.3	3338.9	3309.0	3298.5	3300.8
3°	3448.0	3463.7	3454.7	3442.7	3421.1	3378.5	3332.9	3290.3	3270.1	3252.9	3247.7
3.5°	3415.8	3434.5	3439.0	3409.1	3375.5	3338.1	3282.1	3241.7	3193.2	3184.9	3183.4
4°	3384.5	3406.9	3400.9	3375.5	3340.4	3287.3	3237.2	3173.7	3133.4	3113.9	3112.4
4.5°	3338.1	3359.1	3360.5	3338.9	3297.0	3241.0	3165.5	3118.4	3076.6	3050.4	3048.2
5°	3283.6	3319.4	3315.0	3286.6	3241.0	3177.5	3105.7	3043.7	2990.6	2973.5	2962.2
5.5°	3226.0	3262.7	3258.2	3234.3	3179.7	3109.5	3040.7	2967.5	2921.9	2889.0	2886.0
6°	3173.7	3204.4	3208.8	3171.5	3118.4	3042.2	2966.7	2891.3	2831.5	2806.1	2806.1
6.5°	3099.7	3142.3	3140.8	3109.5	3044.4	2973.5	2891.3	2809.8	2760.5	2720.9	2712.7
7°	3033.2	3071.3	3069.9	3038.5	2972.0	2889.8	2794.1	2726.1	2658.1	2633.4	2632.7
7.5°	2958.5	3003.3	2998.9	2964.5	2896.5	2811.3	2727.6	2637.2	2576.6	2541.5	2535.5
8°	2880.0	2924.1	2930.1	2888.3	2818.8	2731.3	2631.9	2548.2	2481.0	2452.6	2451.1
8.5°	2795.6	2836.0	2836.0	2797.1	2726.1	2645.4	2549.7	2458.6	2401.8	2353.2	2356.2
9°	2708.9	2754.5	2759.7	2725.4	2646.9	2549.0	2455.6	2370.4	2296.4	2267.3	2259.8
9.5°	2623.0	2673.8	2673.8	2630.4	2549.7	2464.6	2365.2	2277.0	2207.5	2172.4	2170.9
10°	2532.6	2576.6	2580.4	2534.8	2471.3	2373.4	2278.5	2181.3	2114.1	2077.5	2079.0
10.5°	2445.1	2485.5	2494.4	2451.1	2368.2	2277.7	2183.6	2094.6	2024.4	1990.8	1981.1
11°	2351.0	2393.6	2395.8	2357.7	2284.5	2190.3	2085.7	2003.5	1933.2	1892.9	1891.4
11.5°	2253.1	2304.6	2303.9	2265.8	2193.3	2098.4	2000.5	1908.6	1842.1	1803.2	1804.7
12°	2160.4	2208.2	2217.2	2173.1	2097.6	2004.2	1910.8	1818.1	1751.6	1722.5	1718.8
12.5°	2071.5	2108.8	2120.1	2078.2	2002.7	1913.8	1816.7	1730.7	1668.7	1633.6	1629.1
13°	1977.3	2019.2	2022.2	1981.8	1919.0	1822.6	1726.2	1642.5	1585.0	1546.9	1540.9
13.5°	1886.2	1933.2	1937.0	1904.8	1833.8	1740.4	1647.0	1564.1	1501.3	1469.2	1468.4
14°	1799.5	1848.0	1848.8	1812.9	1742.7	1662.7	1568.6	1486.4	1422.1	1395.2	1391.4
14.5°	1711.3	1754.6	1763.6	1724.0	1660.5	1576.8	1489.3	1412.4	1354.8	1324.2	1319.7
15°	1631.3	1666.4	1670.9	1641.8	1582.0	1493.1	1409.4	1334.7	1280.1	1249.5	1247.2
15.5°	1546.9	1586.5	1591.0	1560.3	1496.8	1417.6	1332.4	1264.4	1206.9	1180.7	1173.2
16°	1466.9	1503.5	1506.5	1478.9	1419.1	1343.6	1262.2	1194.2	1141.9	1117.9	1114.2
16.5°	1387.0	1424.3	1431.8	1399.7	1342.9	1273.4	1194.9	1129.9	1082.1	1058.2	1052.9
17°	1312.2	1348.9	1354.8	1328.7	1273.4	1203.9	1129.9	1068.6	1020.8	999.1	995.4
17.5°	1244.2	1274.9	1276.4	1255.4	1205.4	1135.9	1066.4	1008.8	962.5	942.3	937.8
18°	1176.2	1205.4	1210.6	1183.7	1132.9	1073.9	1005.1	949.1	909.4	890.8	888.5
18.5°	1109.7	1138.9	1144.1	1118.7	1071.6	1015.6	951.3	899.7	856.4	840.0	839.2
19°	1046.9	1076.1	1079.8	1060.4	1017.8	959.5	899.7	850.4	812.3	795.9	793.6
19.5°	993.9	1022.3	1026.8	1003.6	961.0	908.7	851.9	804.8	772.7	756.3	755.5
20°	940.1	962.5	969.2	946.8	907.2	857.1	804.1	760.0	729.8	713.6	715.2
20.5°	886.3	911.7	913.2	896.0	859.4	811.6	761.5	720.8	688.6	676.3	677.6
21°	840.7	859.4	862.4	848.2	811.6	769.0	721.8	683.9	655.1	642.8	642.8
21.5°	795.1	812.3	815.3	801.1	766.7	725.8	682.0	646.9	622.2	608.1	609.9
22°	753.3	771.2	771.9	755.5	724.2	686.6	645.9	613.0	589.2	579.0	579.9

TEST NUMBER: P979245

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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°	712.3	730.4	731.0	715.4	686.5	652.2	614.3	583.0	560.5	550.6	551.5
23°	679.4	691.3	692.5	678.5	651.4	617.3	582.7	554.3	534.2	524.1	525.7
23.5°	642.9	653.0	656.6	642.6	617.5	586.2	552.5	526.4	507.3	497.2	500.3
24°	610.5	622.6	623.8	610.3	584.5	557.1	525.6	499.3	481.4	473.9	477.1
24.5°	580.8	589.9	591.0	578.8	555.0	529.6	499.2	473.7	458.5	450.7	453.9
25°	552.4	560.5	558.9	548.7	527.7	502.3	474.5	450.8	435.1	427.8	430.0
25.5°	526.8	533.5	533.8	520.3	500.2	477.4	450.2	428.6	413.5	406.1	408.5
26°	502.8	509.1	508.2	494.9	474.7	453.5	427.6	406.8	392.4	384.9	388.9
26.5°	476.4	482.1	481.8	469.7	450.8	430.3	404.8	384.4	370.9	364.0	367.8
27°	453.1	457.1	457.6	446.4	428.1	405.8	383.1	363.3	350.3	343.5	346.9
27.5°	433.9	435.9	434.0	424.2	405.0	384.9	363.3	342.0	329.8	323.8	327.6
28°	412.7	415.2	413.3	402.0	384.6	364.0	342.9	322.0	310.8	303.8	308.6
28.5°	391.3	394.1	392.6	379.4	363.0	343.8	320.9	302.0	291.6	284.0	289.6
29°	371.9	373.6	372.4	358.8	342.7	323.7	301.8	283.4	272.5	265.7	270.5
29.5°	353.2	353.4	352.3	339.9	323.3	303.7	282.8	264.8	253.8	247.7	251.8
30°	333.8	335.2	332.6	320.8	304.5	284.0	264.2	246.1	235.7	230.2	233.7
30.5°	314.3	317.0	313.8	301.5	285.7	265.7	246.5	227.9	219.0	213.1	216.8
31°	296.2	298.3	294.3	282.0	266.7	247.3	228.4	210.1	201.6	195.3	200.0
31.5°	277.3	278.7	275.0	262.7	247.1	229.3	211.3	193.2	184.6	178.6	183.2
32°	259.5	260.1	257.3	245.1	229.9	212.2	193.9	177.1	168.3	163.4	167.7
32.5°	240.4	241.7	239.3	227.0	212.6	195.0	177.2	161.2	153.0	148.6	152.4
33°	223.1	224.0	221.8	209.6	196.8	178.5	161.9	147.0	138.6	134.2	138.2
33.5°	206.0	207.7	205.0	193.5	180.3	163.7	147.7	134.1	126.0	122.0	124.9
34°	189.4	191.1	187.9	177.8	164.3	149.5	134.8	120.8	113.8	110.3	112.5
34.5°	174.0	175.2	172.3	161.9	150.1	136.0	122.0	108.8	102.2	99.4	101.2
35°	157.5	159.3	156.6	147.4	136.7	122.7	109.9	97.8	91.5	88.6	90.5
35.5°	142.5	144.2	141.8	133.8	123.8	110.3	98.8	87.5	81.5	79.1	80.8
36°	128.7	130.5	128.2	121.1	111.4	98.9	88.3	78.2	72.9	70.4	72.3
36.5°	115.2	117.1	114.6	108.3	99.6	88.8	79.1	70.0	64.9	62.7	64.1
37°	102.8	105.0	102.7	96.8	89.0	79.6	70.8	62.5	58.1	56.1	57.0
37.5°	91.8	94.0	91.8	86.9	79.7	70.9	63.1	55.9	52.0	50.4	50.9
38°	81.6	83.5	81.9	77.6	71.3	63.9	56.6	49.9	46.3	45.0	45.5
38.5°	72.6	74.5	73.1	69.9	64.0	57.2	50.5	44.8	41.5	40.4	40.9
39°	64.3	66.2	64.7	61.8	56.8	51.1	45.4	40.5	37.3	36.5	36.7
39.5°	56.8	58.6	57.4	55.0	51.1	45.8	41.1	36.6	33.8	33.0	33.1
40°	50.1	52.2	51.3	49.1	45.7	41.1	36.9	33.1	30.7	29.9	30.0
40.5°	44.3	46.1	45.4	43.6	40.9	37.0	33.3	30.0	27.9	27.2	27.3
41°	39.3	41.0	40.4	39.0	36.8	33.5	30.3	27.2	25.5	24.9	25.0
41.5°	35.0	36.7	36.5	35.0	33.2	30.3	27.5	24.7	23.3	22.9	23.0
42°	31.2	32.6	32.4	31.3	30.1	27.6	25.2	22.7	21.4	21.0	21.1
42.5°	28.1	29.3	29.3	28.5	27.3	25.3	23.0	20.9	19.8	19.5	19.5
43°	25.5	26.7	26.7	26.2	25.1	23.3	21.3	19.4	18.5	18.3	18.3
43.5°	23.3	24.3	24.4	24.1	23.1	21.5	19.8	18.2	17.4	17.1	17.2
44°	21.6	22.5	22.6	22.3	21.4	19.9	18.4	17.1	16.5	16.3	16.2
44.5°	20.0	20.8	20.9	20.6	19.9	18.6	17.3	16.2	15.7	15.5	15.4

TEST NUMBER: P979245

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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°	18.5	19.3	19.5	19.1	18.5	17.5	16.4	15.4	14.9	14.7	14.7
45.5°	17.3	18.0	18.2	17.9	17.3	16.4	15.6	14.7	14.3	14.1	14.1
46°	16.4	16.9	17.0	16.8	16.4	15.6	14.8	14.1	13.7	13.5	13.5
46.5°	15.6	16.0	16.1	15.9	15.5	14.9	14.1	13.5	13.2	13.0	13.0
47°	14.8	15.1	15.3	15.1	14.7	14.1	13.5	13.0	12.7	12.6	12.5
47.5°	14.1	14.4	14.6	14.4	14.0	13.6	13.0	12.5	12.3	12.1	12.1
48°	13.6	13.8	14.0	13.8	13.5	13.0	12.6	12.1	11.9	11.8	11.8
48.5°	13.1	13.3	13.4	13.3	13.0	12.6	12.1	11.8	11.6	11.5	11.4
49°	12.6	12.8	12.9	12.8	12.5	12.1	11.8	11.4	11.2	11.2	11.1
49.5°	12.2	12.4	12.4	12.3	12.1	11.7	11.4	11.1	10.9	10.9	10.9
50°	11.8	12.0	12.0	11.9	11.7	11.4	11.1	10.8	10.7	10.6	10.6
50.5°	11.5	11.6	11.6	11.5	11.3	11.0	10.8	10.5	10.4	10.3	10.4
51°	11.1	11.3	11.3	11.2	10.9	10.7	10.5	10.3	10.1	10.1	10.1
51.5°	10.8	10.9	11.0	10.8	10.6	10.4	10.2	10.0	9.9	9.8	9.9
52°	10.6	10.6	10.6	10.5	10.3	10.1	9.9	9.7	9.7	9.6	9.7
52.5°	10.3	10.3	10.3	10.2	10.0	9.8	9.7	9.5	9.4	9.4	9.5
53°	10.0	10.1	10.0	9.9	9.8	9.6	9.5	9.3	9.2	9.3	9.3
53.5°	9.8	9.8	9.8	9.7	9.5	9.3	9.3	9.1	9.1	9.1	9.1
54°	9.6	9.6	9.6	9.4	9.3	9.1	9.0	8.9	8.9	8.9	9.0
54.5°	9.4	9.4	9.3	9.2	9.0	8.9	8.8	8.7	8.7	8.7	8.8
55°	9.3	9.2	9.1	9.0	8.9	8.7	8.6	8.5	8.5	8.6	8.7
55.5°	9.1	9.0	8.9	8.8	8.7	8.5	8.5	8.4	8.4	8.4	8.5
56°	8.9	8.8	8.8	8.6	8.4	8.3	8.3	8.2	8.2	8.3	8.3
56.5°	8.8	8.7	8.6	8.4	8.3	8.2	8.1	8.0	8.1	8.1	8.2
57°	8.6	8.5	8.4	8.2	8.1	8.0	7.9	7.9	7.9	8.0	8.1
57.5°	8.5	8.3	8.2	8.1	7.9	7.8	7.8	7.7	7.8	7.9	8.0
58°	8.3	8.2	8.0	7.9	7.8	7.7	7.6	7.6	7.6	7.7	7.8
58.5°	8.2	8.1	7.9	7.7	7.6	7.5	7.5	7.4	7.5	7.6	7.7
59°	8.1	7.9	7.7	7.6	7.5	7.4	7.3	7.3	7.4	7.5	7.6
59.5°	8.0	7.8	7.6	7.4	7.3	7.2	7.2	7.1	7.2	7.3	7.5
60°	7.8	7.6	7.5	7.3	7.1	7.1	7.1	7.0	7.1	7.2	7.3
60.5°	7.7	7.5	7.3	7.1	7.0	6.9	6.9	6.9	7.0	7.1	7.2
61°	7.6	7.4	7.2	7.0	6.9	6.8	6.8	6.8	6.8	7.0	7.1
61.5°	7.5	7.3	7.1	6.9	6.7	6.7	6.6	6.6	6.7	6.9	7.0
62°	7.4	7.2	7.0	6.7	6.6	6.5	6.5	6.5	6.6	6.8	6.9
62.5°	7.3	7.1	6.8	6.6	6.5	6.4	6.4	6.4	6.5	6.6	6.8
63°	7.2	7.0	6.7	6.5	6.4	6.3	6.3	6.3	6.4	6.5	6.7
63.5°	7.1	6.8	6.6	6.4	6.2	6.2	6.1	6.2	6.3	6.4	6.6
64°	7.0	6.7	6.5	6.3	6.1	6.0	6.0	6.0	6.1	6.3	6.5
64.5°	6.9	6.6	6.4	6.1	6.0	5.9	5.9	5.9	6.0	6.2	6.4
65°	6.8	6.5	6.2	6.0	5.9	5.8	5.8	5.8	5.9	6.1	6.3
65.5°	6.6	6.4	6.1	5.9	5.8	5.7	5.7	5.7	5.8	6.0	6.2
66°	6.5	6.3	6.0	5.8	5.6	5.6	5.5	5.6	5.7	5.9	6.1
66.5°	6.4	6.2	5.9	5.7	5.5	5.4	5.4	5.5	5.6	5.8	6.0
67°	6.4	6.1	5.8	5.6	5.4	5.3	5.3	5.3	5.5	5.7	5.9

TEST NUMBER: P979245

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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°	6.3	6.0	5.7	5.5	5.3	5.2	5.2	5.2	5.4	5.6	5.8
68°	6.2	5.9	5.6	5.3	5.2	5.1	5.1	5.1	5.2	5.4	5.6
68.5°	6.0	5.8	5.5	5.2	5.1	5.0	5.0	5.0	5.1	5.3	5.5
69°	5.9	5.7	5.4	5.2	5.0	4.9	4.9	4.9	5.0	5.2	5.5
69.5°	5.9	5.6	5.3	5.1	4.9	4.8	4.8	4.8	4.9	5.1	5.4
70°	5.8	5.5	5.2	5.0	4.8	4.7	4.7	4.7	4.8	5.0	5.3
70.5°	5.7	5.4	5.1	4.9	4.7	4.6	4.6	4.6	4.7	4.9	5.2
71°	5.6	5.3	5.0	4.8	4.6	4.5	4.5	4.5	4.6	4.8	5.1
71.5°	5.5	5.3	4.9	4.7	4.5	4.4	4.3	4.4	4.5	4.7	4.9
72°	5.4	5.2	4.8	4.6	4.4	4.3	4.3	4.3	4.4	4.6	4.8
72.5°	5.3	5.1	4.8	4.5	4.3	4.2	4.1	4.2	4.3	4.5	4.7
73°	5.2	4.9	4.7	4.4	4.2	4.1	4.0	4.1	4.2	4.4	4.6
73.5°	5.1	4.9	4.6	4.3	4.1	4.0	3.9	4.0	4.1	4.3	4.5
74°	5.0	4.8	4.5	4.2	4.0	3.9	3.8	3.9	4.0	4.2	4.4
74.5°	4.9	4.7	4.4	4.1	3.9	3.7	3.7	3.8	3.9	4.1	4.3
75°	4.8	4.6	4.3	4.0	3.8	3.7	3.6	3.6	3.7	3.9	4.2
75.5°	4.7	4.5	4.2	3.9	3.6	3.5	3.5	3.5	3.6	3.8	4.0
76°	4.6	4.4	4.0	3.8	3.5	3.4	3.4	3.4	3.5	3.7	3.9
76.5°	4.5	4.3	4.0	3.7	3.4	3.3	3.2	3.3	3.4	3.5	3.7
77°	4.4	4.2	3.9	3.6	3.3	3.2	3.1	3.1	3.2	3.4	3.6
77.5°	4.3	4.0	3.7	3.4	3.2	3.0	3.0	3.0	3.0	3.2	3.4
78°	4.1	3.9	3.6	3.3	3.1	2.9	2.8	2.8	2.9	3.0	3.2
78.5°	4.0	3.8	3.5	3.2	2.9	2.7	2.7	2.6	2.7	2.8	3.0
79°	3.9	3.6	3.3	3.0	2.8	2.6	2.5	2.4	2.4	2.5	2.7
79.5°	3.7	3.5	3.2	2.9	2.6	2.4	2.2	2.1	2.0	2.1	2.3
80°	3.5	3.3	3.0	2.7	2.4	2.1	2.0	1.8	1.7	1.7	1.9
80.5°	3.3	3.1	2.8	2.5	2.1	1.9	1.6	1.4	1.2	1.2	1.5
81°	3.0	2.9	2.6	2.2	1.8	1.5	1.3	1.1	0.9	0.9	1.0
81.5°	2.7	2.5	2.3	1.9	1.5	1.2	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°	1.7	1.7	1.5	1.1	0.8	0.7	0.6	0.5	0.5	0.5	0.5
83°	1.2	1.2	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.4
83.5°	0.7	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°	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3
85°	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3
85.5°	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
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°	0.4	0.4	0.4	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	0.2	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	0.1	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	0.1	0.0	0.1	0.1



TEST NUMBER: P979245
CATALOG NUMBER: PRLX-CYL2-X-935-10L-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: P979245

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	3476.4	3476.4	3476.4	3476.4	3476.4	3476.4
0.5°	3475.6	3475.6	3480.9	3494.3	3495.8	3491.3
1°	3442.7	3461.4	3466.7	3485.3	3492.8	3491.3
1.5°	3406.9	3424.1	3444.2	3472.6	3473.4	3498.8
2°	3366.5	3386.7	3417.3	3450.2	3468.9	3488.3
2.5°	3319.4	3341.9	3380.0	3409.9	3448.0	3468.2
3°	3260.4	3294.0	3336.6	3376.2	3417.3	3448.0
3.5°	3207.4	3240.2	3283.6	3331.4	3380.0	3421.1
4°	3137.9	3176.7	3227.5	3284.3	3340.4	3377.7
4.5°	3069.1	3105.7	3167.0	3235.0	3291.8	3334.4
5°	2990.6	3040.7	3099.0	3168.5	3235.8	3291.8
5.5°	2909.9	2954.8	3026.5	3105.7	3176.7	3225.3
6°	2831.5	2880.8	2948.8	3032.5	3118.4	3174.5
6.5°	2741.0	2799.3	2877.1	2962.2	3039.2	3105.7
7°	2656.6	2704.4	2786.6	2880.0	2969.7	3032.5
7.5°	2565.4	2623.0	2703.7	2803.1	2893.5	2962.2
8°	2475.8	2535.5	2620.7	2717.1	2813.5	2882.3
8.5°	2388.3	2437.6	2530.3	2637.9	2723.1	2803.8
9°	2288.9	2352.5	2434.7	2545.3	2646.1	2717.9
9.5°	2199.3	2257.6	2352.5	2450.4	2556.5	2623.7
10°	2107.3	2166.4	2254.6	2364.4	2461.6	2541.5
10.5°	2014.7	2073.0	2161.2	2272.5	2374.1	2447.4
11°	1922.0	1982.6	2075.2	2180.6	2276.2	2354.7
11.5°	1833.1	1889.9	1981.1	2084.2	2188.1	2258.3
12°	1745.7	1805.4	1890.6	1993.8	2091.7	2168.6
12.5°	1653.7	1713.5	1797.2	1904.1	1997.5	2071.5
13°	1573.0	1626.1	1711.3	1815.9	1911.6	1983.3
13.5°	1493.8	1549.1	1629.1	1727.0	1821.1	1890.6
14°	1419.1	1465.4	1550.6	1647.0	1736.7	1801.0
14.5°	1346.6	1399.7	1469.9	1564.1	1654.5	1718.8
15°	1271.9	1322.7	1392.9	1480.4	1570.0	1635.8
15.5°	1200.9	1245.7	1318.2	1407.1	1488.6	1552.1
16°	1136.6	1181.5	1250.2	1329.4	1411.6	1466.9
16.5°	1074.6	1120.2	1182.2	1260.7	1335.4	1392.2
17°	1015.6	1059.7	1116.4	1190.4	1265.9	1320.5
17.5°	961.8	998.4	1052.2	1126.2	1195.7	1247.2
18°	908.7	943.1	995.4	1062.6	1127.7	1179.2
18.5°	857.9	890.0	944.6	1005.1	1064.9	1112.0
19°	811.6	842.9	891.5	947.6	1006.6	1052.2
19.5°	769.0	801.8	843.7	896.0	954.3	996.9
20°	730.6	758.5	798.8	849.7	902.0	944.6
20.5°	693.5	717.5	755.5	806.3	851.9	890.0
21°	654.8	681.2	716.7	760.7	804.8	841.4
21.5°	621.2	645.6	679.1	719.0	759.2	795.1
22°	592.2	612.6	643.5	682.9	719.2	754.8

TEST NUMBER: P979245

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	564.8	583.3	612.8	651.3	683.2	713.7
23°	536.9	555.4	582.6	618.5	648.6	677.6
23.5°	509.9	527.1	554.6	587.2	614.9	644.2
24°	484.5	502.1	527.4	560.9	583.6	611.1
24.5°	461.6	477.4	501.1	535.6	555.6	582.1
25°	440.7	454.1	478.0	511.0	529.6	553.2
25.5°	418.6	431.9	454.9	488.1	505.1	526.3
26°	397.8	411.9	432.7	467.6	481.3	501.7
26.5°	376.4	391.9	410.5	445.8	458.0	478.1
27°	356.3	369.5	390.3	425.0	435.9	454.9
27.5°	336.8	349.9	370.8	405.3	415.1	434.4
28°	317.8	331.3	350.9	386.9	395.0	413.1
28.5°	298.6	312.1	331.3	368.4	374.9	391.2
29°	280.6	293.5	312.3	348.9	355.6	372.8
29.5°	261.6	275.4	293.8	330.3	337.9	353.6
30°	243.2	257.4	275.6	310.9	318.6	333.6
30.5°	226.0	239.7	258.1	292.1	299.8	315.3
31°	209.2	222.8	240.6	273.2	281.3	296.1
31.5°	192.1	205.8	222.7	253.9	263.3	278.0
32°	176.0	189.3	205.3	235.3	244.8	259.8
32.5°	160.4	173.4	188.9	216.9	226.6	241.0
33°	146.0	158.9	173.1	199.0	209.0	223.1
33.5°	132.5	144.8	158.3	182.1	192.9	206.3
34°	119.6	131.6	144.3	164.1	176.5	189.7
34.5°	108.1	118.9	130.5	148.3	160.6	173.8
35°	96.5	106.9	117.5	133.2	145.9	158.0
35.5°	86.2	95.4	105.5	118.7	131.3	143.0
36°	77.2	85.2	94.5	105.5	117.9	129.0
36.5°	68.5	76.3	84.5	93.3	105.6	116.0
37°	61.0	67.9	75.1	82.7	94.2	103.5
37.5°	54.4	60.5	66.9	72.7	83.7	91.9
38°	48.4	53.9	59.5	64.0	74.2	81.5
38.5°	43.2	48.0	52.8	56.7	65.8	72.8
39°	38.9	43.0	46.9	49.9	58.2	64.3
39.5°	35.0	38.5	42.0	44.2	51.6	57.0
40°	31.6	34.6	37.5	39.2	45.6	50.5
40.5°	28.5	31.0	33.6	34.9	40.4	44.6
41°	26.0	28.0	30.3	31.2	36.0	39.4
41.5°	23.8	25.5	27.4	28.0	32.0	35.1
42°	21.8	23.3	24.9	25.6	28.8	31.2
42.5°	20.2	21.5	22.8	23.4	26.0	28.1
43°	18.8	19.9	21.2	21.6	23.7	25.5
43.5°	17.6	18.6	19.8	20.1	21.9	23.4
44°	16.6	17.4	18.4	18.8	20.3	21.6
44.5°	15.8	16.5	17.3	17.7	19.1	20.0

TEST NUMBER: P979245

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	14.9	15.5	16.4	16.7	17.7	18.6
45.5°	14.3	14.7	15.5	15.9	16.7	17.4
46°	13.7	14.1	14.7	15.1	15.8	16.4
46.5°	13.1	13.5	14.0	14.4	15.0	15.5
47°	12.6	13.0	13.5	13.8	14.3	14.8
47.5°	12.2	12.5	13.0	13.3	13.7	14.1
48°	11.9	12.1	12.5	12.8	13.2	13.6
48.5°	11.5	11.7	12.1	12.4	12.8	13.1
49°	11.2	11.4	11.7	12.0	12.4	12.6
49.5°	10.9	11.0	11.4	11.7	12.0	12.2
50°	10.6	10.8	11.1	11.4	11.6	11.8
50.5°	10.4	10.5	10.8	11.1	11.3	11.4
51°	10.2	10.3	10.5	10.8	11.0	11.1
51.5°	9.9	10.0	10.3	10.5	10.7	10.8
52°	9.7	9.8	10.1	10.3	10.5	10.5
52.5°	9.5	9.6	9.8	10.1	10.2	10.3
53°	9.3	9.4	9.7	9.9	10.0	10.0
53.5°	9.2	9.2	9.5	9.7	9.8	9.8
54°	9.0	9.1	9.3	9.5	9.6	9.6
54.5°	8.8	8.9	9.2	9.3	9.4	9.4
55°	8.7	8.8	9.0	9.2	9.2	9.2
55.5°	8.6	8.6	8.8	9.0	9.1	9.1
56°	8.4	8.5	8.7	8.9	8.9	8.9
56.5°	8.3	8.4	8.6	8.7	8.8	8.7
57°	8.1	8.3	8.5	8.6	8.6	8.6
57.5°	8.0	8.1	8.3	8.5	8.5	8.4
58°	7.9	8.0	8.2	8.3	8.4	8.3
58.5°	7.8	7.9	8.1	8.2	8.3	8.2
59°	7.7	7.8	8.0	8.1	8.1	8.1
59.5°	7.6	7.7	7.9	8.0	8.0	7.9
60°	7.5	7.6	7.8	7.9	7.9	7.8
60.5°	7.3	7.5	7.7	7.8	7.8	7.7
61°	7.3	7.4	7.6	7.7	7.7	7.6
61.5°	7.1	7.3	7.5	7.5	7.6	7.5
62°	7.0	7.2	7.4	7.4	7.4	7.4
62.5°	6.9	7.1	7.3	7.3	7.3	7.3
63°	6.8	7.0	7.2	7.2	7.2	7.2
63.5°	6.7	6.9	7.1	7.2	7.1	7.1
64°	6.6	6.8	7.0	7.0	7.0	6.9
64.5°	6.6	6.7	6.9	7.0	6.9	6.8
65°	6.5	6.6	6.8	6.9	6.8	6.7
65.5°	6.3	6.5	6.7	6.7	6.7	6.6
66°	6.2	6.4	6.6	6.7	6.6	6.5
66.5°	6.1	6.3	6.5	6.6	6.5	6.4
67°	6.0	6.2	6.4	6.5	6.4	6.4

TEST NUMBER: P979245

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

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	5.9	6.1	6.3	6.4	6.4	6.2
68°	5.8	6.0	6.2	6.3	6.3	6.1
68.5°	5.8	5.9	6.1	6.2	6.2	6.0
69°	5.7	5.8	6.0	6.1	6.1	5.9
69.5°	5.6	5.7	5.9	6.0	6.0	5.9
70°	5.5	5.6	5.8	5.9	5.9	5.8
70.5°	5.4	5.5	5.8	5.8	5.8	5.7
71°	5.3	5.4	5.6	5.7	5.7	5.6
71.5°	5.2	5.4	5.6	5.6	5.6	5.5
72°	5.0	5.3	5.5	5.5	5.5	5.4
72.5°	4.9	5.2	5.4	5.4	5.4	5.3
73°	4.9	5.0	5.3	5.4	5.3	5.2
73.5°	4.8	4.9	5.2	5.3	5.2	5.1
74°	4.6	4.8	5.1	5.2	5.1	5.0
74.5°	4.5	4.7	5.0	5.0	5.0	4.9
75°	4.4	4.6	4.8	4.9	4.9	4.8
75.5°	4.3	4.5	4.7	4.8	4.8	4.7
76°	4.1	4.4	4.6	4.7	4.7	4.6
76.5°	4.0	4.2	4.5	4.6	4.6	4.5
77°	3.8	4.1	4.3	4.5	4.5	4.4
77.5°	3.7	3.9	4.2	4.3	4.4	4.3
78°	3.5	3.8	4.0	4.2	4.2	4.1
78.5°	3.3	3.6	3.9	4.0	4.1	4.0
79°	3.0	3.3	3.7	3.9	3.9	3.9
79.5°	2.7	3.1	3.4	3.7	3.8	3.7
80°	2.2	2.7	3.1	3.4	3.6	3.5
80.5°	1.8	2.2	2.7	3.1	3.3	3.3
81°	1.3	1.8	2.3	2.7	3.0	3.0
81.5°	0.9	1.2	1.8	2.2	2.5	2.6
82°	0.6	0.8	1.2	1.7	2.0	2.2
82.5°	0.5	0.6	0.8	1.1	1.5	1.7
83°	0.5	0.5	0.6	0.7	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	0.5
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	0.4
86°	0.3	0.3	0.3	0.4	0.4	0.4
86.5°	0.2	0.2	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	0.2	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: P979245
CATALOG NUMBER: PRLX-CYL2-X-935-10L-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: P979245

CATALOG NUMBER: PRLX-CYL2-X-935-10L-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	8.16	9.08	8.52	9.40	9.71	7.75	8.67	8.11	8.98	9.30
	3H	10.32	11.14	10.71	11.47	11.84	9.58	10.39	9.96	10.73	11.10
	4H	11.38	12.13	11.78	12.48	12.87	10.42	11.18	10.83	11.53	11.92
	6H	12.34	13.03	12.76	13.41	13.81	11.10	11.79	11.52	12.17	12.56
	8H	12.56	13.21	13.00	13.60	14.01	11.17	11.82	11.61	12.21	12.62
	12H	12.53	13.14	12.96	13.53	13.96	11.13	11.75	11.57	12.13	12.57
4H	2H	8.74	9.49	9.15	9.85	10.24	8.28	9.04	8.69	9.39	9.78
	3H	11.16	11.78	11.58	12.19	12.59	10.37	10.99	10.79	11.40	11.81
	4H	12.38	12.93	12.82	13.35	13.80	11.37	11.92	11.81	12.35	12.80
	6H	13.50	13.97	13.97	14.42	14.90	12.19	12.65	12.66	13.11	13.58
	8H	13.74	14.18	14.22	14.63	15.11	12.27	12.70	12.74	13.15	13.63
	12H	13.71	14.09	14.21	14.58	15.06	12.23	12.61	12.73	13.10	13.58
8H	4H	12.76	13.20	13.24	13.65	14.12	11.74	12.18	12.22	12.63	13.10
	6H	14.04	14.38	14.55	14.89	15.37	12.68	13.02	13.19	13.52	14.01
	8H	14.31	14.61	14.85	15.14	15.64	12.78	13.08	13.32	13.61	14.11
	12H	14.30	14.56	14.83	15.06	15.64	12.78	13.03	13.30	13.53	14.12
12H	4H	12.78	13.15	13.27	13.64	14.12	11.76	12.14	12.25	12.63	13.10
	6H	14.07	14.37	14.61	14.90	15.40	12.71	13.01	13.25	13.54	14.04
	8H	14.36	14.62	14.89	15.12	15.70	12.84	13.10	13.37	13.60	14.18

END OF REPORT