

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: P979234

Luminaire Tested: PRLX-CYL2-X-927-15L-MD-U-S-X-X-WHTE

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979234
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-927-15L-MD-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, MEDIUM OPTIC
1500 LUMENS
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

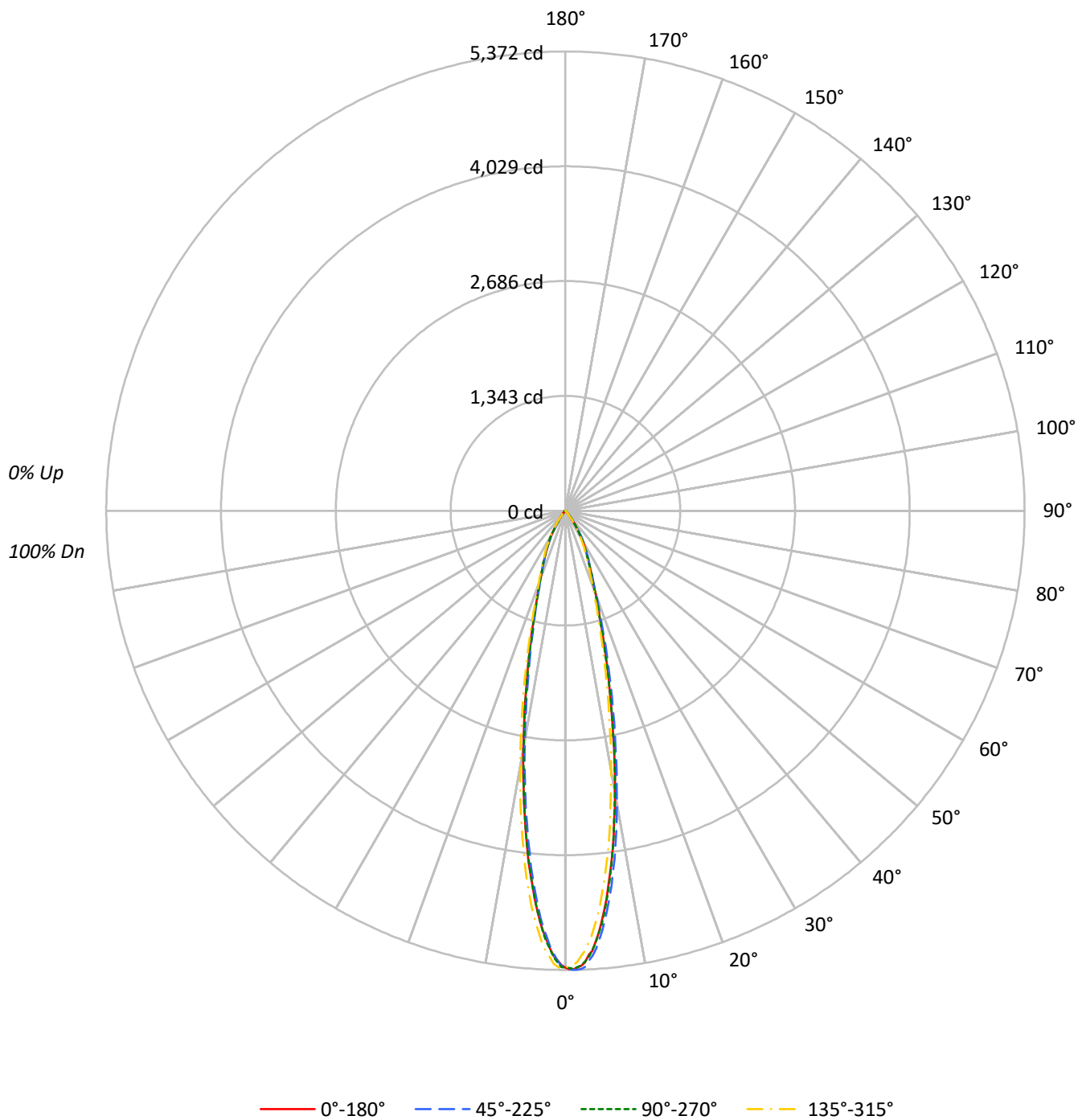
Lumens per Lamp: N/A
Luminaire Lumens: 1287.7 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

Input Watts (W): 13.2
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: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-MD-U-S-X-X-WHTE

Luminous Intensity Polar Plot



TEST NUMBER: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-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°	1660579	1660579	1660579	1660579
5°	1509383	1517182	1378797	1377923
10°	1053044	1052728	897028	886110
15°	607854	604443	498818	491096
20°	341300	336537	286665	285177
25°	216506	212975	184823	188869
30°	141350	138228	111100	115011
35°	71703	66392	48220	49699
40°	25112	22069	16958	16755
45°	9669	8834	7911	7779
50°	6334	5995	5802	5802
55°	5581	5201	5093	5310
60°	5532	4972	4848	5221
65°	5736	5000	4706	5368
70°	6088	5179	4725	5543
75°	6724	5643	4803	5884
80°	7338	5369	3221	4832
85°	1783	1783	1070	1426

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 9669 cd/sqm

TEST NUMBER: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-MD-U-S-X-X-WHTE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.3	30.3
10°-20°	482.5	37.5
20°-30°	272.2	21.1
30°-40°	103.6	8.0
40°-50°	17.4	1.3
50°-60°	8.9	0.7
60°-70°	7.0	0.5
70°-80°	5.0	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°	1145.0	88.9
0°-40°	1248.7	97.0
0°-60°	1274.9	99.0
0°-90°	1287.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1287.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5343	5343	5343	5343	5343	
5°	4838	4863	4420	4417	4837	411
15°	1889	1879	1550	1526	1894	529
25°	631	621	539	551	631	296
35°	189	175	127	131	188	123
45°	22	20	18	18	22	20
55°	10	10	9	10	10	9
65°	8	7	6	7	8	8
75°	6	5	4	5	6	6
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-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°	5343.4	5343.4	5343.4	5343.4	5343.4	5343.4	5343.4	5343.4	5343.4	5343.4	5343.4
0.5°	5364.5	5372.2	5364.5	5346.2	5349.1	5329.9	5329.0	5322.2	5315.5	5307.8	5325.1
1°	5362.6	5385.6	5372.2	5362.6	5358.7	5331.8	5313.6	5290.6	5257.9	5248.3	5262.7
1.5°	5348.2	5376.0	5372.2	5371.2	5341.4	5309.8	5280.0	5228.2	5209.9	5181.1	5184.0
2°	5329.0	5354.9	5361.6	5338.6	5324.2	5267.5	5211.8	5169.6	5132.2	5100.5	5104.3
2.5°	5289.6	5324.2	5336.6	5316.5	5279.0	5222.4	5159.0	5088.0	5034.2	5010.2	4993.0
3°	5202.2	5263.7	5271.4	5254.1	5228.2	5159.0	5077.4	5000.6	4933.4	4890.2	4887.4
3.5°	5156.2	5190.7	5212.8	5193.6	5151.4	5065.9	4985.3	4896.0	4830.7	4794.2	4768.3
4°	5049.6	5116.8	5135.0	5108.2	5066.9	4985.3	4873.0	4777.9	4693.4	4633.9	4626.2
4.5°	4951.7	5016.0	5037.1	5020.8	4959.4	4870.1	4754.9	4665.6	4567.7	4507.2	4480.3
5°	4838.4	4908.5	4936.3	4916.2	4863.4	4747.2	4635.8	4524.5	4419.8	4368.0	4335.4
5.5°	4711.7	4790.4	4820.2	4787.5	4721.3	4622.4	4486.1	4372.8	4273.9	4195.2	4182.7
6°	4572.5	4663.7	4688.6	4668.5	4594.6	4479.4	4352.6	4231.7	4120.3	4054.1	4017.6
6.5°	4431.4	4533.1	4558.1	4529.3	4452.5	4331.5	4199.0	4077.1	3959.0	3884.2	3862.1
7°	4288.3	4376.6	4418.9	4386.2	4295.0	4184.6	4044.5	3917.8	3795.8	3724.8	3695.0
7.5°	4133.8	4237.4	4264.3	4228.8	4149.1	4021.4	3889.9	3752.6	3639.4	3557.8	3531.8
8°	3978.2	4081.0	4117.4	4083.8	3990.7	3853.4	3732.5	3585.6	3476.2	3405.1	3372.5
8.5°	3823.7	3920.6	3950.4	3923.5	3832.3	3703.7	3552.0	3430.1	3309.1	3228.5	3195.8
9°	3656.6	3752.6	3802.6	3754.6	3660.5	3543.4	3405.1	3263.0	3150.7	3079.7	3047.0
9.5°	3502.1	3595.2	3634.6	3593.3	3501.1	3375.4	3237.1	3114.2	2994.2	2910.7	2882.9
10°	3337.0	3432.0	3469.4	3434.9	3336.0	3209.3	3075.8	2945.3	2842.6	2765.8	2732.2
10.5°	3172.8	3274.6	3303.4	3267.8	3180.5	3065.3	2928.0	2791.7	2683.2	2604.5	2585.3
11°	3007.7	3098.9	3145.0	3106.6	3003.8	2884.8	2766.7	2642.9	2530.6	2465.3	2438.4
11.5°	2852.2	2952.0	2990.4	2940.5	2849.3	2735.0	2608.3	2492.2	2391.4	2319.4	2290.6
12°	2702.4	2791.7	2820.5	2784.0	2695.7	2584.3	2461.4	2349.1	2243.5	2183.0	2151.4
12.5°	2546.9	2636.2	2671.7	2640.0	2549.8	2441.3	2324.2	2208.0	2126.4	2062.1	2032.3
13°	2409.6	2500.8	2529.6	2490.2	2400.0	2299.2	2192.6	2078.4	1998.7	1932.5	1905.6
13.5°	2275.2	2362.6	2387.5	2345.3	2261.8	2164.8	2061.1	1956.5	1872.0	1821.1	1798.1
14°	2138.9	2218.6	2247.4	2212.8	2134.1	2041.0	1933.4	1839.4	1764.5	1715.5	1686.7
14.5°	2012.2	2079.4	2112.0	2075.5	1998.7	1914.2	1814.4	1724.2	1654.1	1606.1	1581.1
15°	1889.3	1964.2	1990.1	1955.5	1878.7	1798.1	1706.9	1622.4	1550.4	1508.2	1487.0
15.5°	1779.8	1851.8	1868.2	1833.6	1764.5	1681.9	1606.1	1525.4	1462.1	1417.9	1398.7
16°	1668.5	1732.8	1755.8	1721.3	1658.9	1583.0	1506.2	1430.4	1374.7	1335.4	1316.2
16.5°	1565.8	1624.3	1646.4	1614.7	1555.2	1486.1	1409.3	1343.0	1294.1	1257.6	1237.4
17°	1471.7	1530.2	1542.7	1516.8	1461.1	1393.0	1321.9	1264.3	1216.3	1183.7	1166.4
17.5°	1384.3	1435.2	1449.6	1420.8	1369.0	1308.5	1249.0	1188.5	1144.3	1113.6	1098.2
18°	1300.8	1346.9	1360.3	1336.3	1285.4	1225.9	1173.1	1119.4	1076.2	1052.2	1040.6
18.5°	1225.0	1272.0	1281.6	1260.5	1211.5	1155.8	1101.1	1057.0	1019.5	998.4	986.9
19°	1153.9	1196.2	1203.8	1182.7	1143.4	1094.4	1045.4	1000.3	967.7	945.6	934.4
19.5°	1091.5	1127.0	1136.6	1115.5	1079.0	1032.0	987.8	944.4	915.5	898.2	888.6
20°	1032.0	1063.7	1070.4	1051.2	1017.6	976.3	935.6	896.4	866.8	850.5	844.4
20.5°	976.3	1007.0	1008.0	994.6	959.0	919.1	884.1	849.4	822.4	809.3	802.1
21°	923.1	949.1	954.3	938.7	908.3	873.4	840.1	806.1	780.9	769.4	764.2
21.5°	875.5	900.1	905.7	889.0	864.0	828.9	796.5	767.3	746.1	733.6	731.2
22°	833.1	857.1	858.0	845.7	820.9	790.1	762.0	730.6	711.7	701.7	697.7

TEST NUMBER: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-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°	793.9	815.2	814.7	803.7	781.1	750.4	725.5	697.2	679.1	670.7	667.4
23°	755.2	777.7	776.3	764.7	743.3	715.1	691.6	664.9	646.8	638.6	638.1
23.5°	722.1	742.4	742.1	728.6	710.0	685.3	658.3	635.5	617.7	612.2	610.8
24°	689.6	707.3	708.1	696.1	676.6	651.8	629.2	606.1	590.5	586.2	583.7
24.5°	658.2	677.2	677.5	664.5	647.4	623.4	602.8	578.8	564.2	560.0	558.6
25°	631.4	650.1	649.4	635.0	621.1	595.0	576.9	552.9	539.0	533.5	533.3
25.5°	605.5	622.8	621.8	608.6	595.0	572.2	550.5	528.8	514.2	509.8	509.3
26°	580.5	595.9	598.3	583.0	567.6	544.5	525.1	504.1	489.6	486.0	487.0
26.5°	552.8	570.1	573.7	556.4	542.3	520.0	502.2	480.4	466.5	460.6	462.8
27°	529.2	546.6	549.7	532.2	518.5	498.3	479.1	456.7	442.1	437.3	439.4
27.5°	506.0	524.3	525.4	508.3	495.1	472.6	455.8	433.4	420.4	414.2	414.5
28°	484.8	501.7	504.6	486.0	472.8	452.5	432.8	411.2	396.2	391.6	392.0
28.5°	461.3	480.3	484.9	464.7	450.0	430.4	410.2	388.9	375.0	370.1	370.1
29°	439.6	456.3	462.7	443.6	427.8	407.4	389.5	368.4	352.8	347.0	348.5
29.5°	418.5	434.4	440.8	421.9	407.2	387.4	367.4	346.9	331.2	325.0	326.0
30°	393.9	412.8	417.7	399.1	385.2	362.8	345.4	323.6	309.6	303.1	304.0
30.5°	372.9	390.0	395.0	376.6	362.3	342.0	324.4	304.5	289.0	281.9	282.0
31°	353.4	367.4	373.4	354.2	340.0	322.2	300.6	281.1	267.7	260.8	260.5
31.5°	329.8	343.5	349.4	332.4	317.5	296.6	279.8	258.7	246.2	239.6	239.4
32°	308.6	322.6	327.2	310.2	295.9	276.7	260.2	241.6	226.3	221.0	220.2
32.5°	286.3	300.4	304.7	289.2	273.7	256.2	237.6	220.3	207.3	202.1	201.4
33°	263.6	277.7	280.8	267.3	253.5	235.2	219.7	201.8	190.0	184.2	183.4
33.5°	245.3	255.6	259.9	246.1	232.7	216.4	201.4	185.6	172.3	167.1	166.7
34°	225.3	234.4	237.8	225.1	212.4	196.0	179.5	166.2	156.1	150.9	150.6
34.5°	206.1	214.1	216.7	206.3	193.8	177.5	164.7	150.5	141.8	136.3	135.9
35°	189.0	195.2	196.2	187.8	175.0	161.0	149.0	136.2	127.1	123.0	121.9
35.5°	170.3	176.8	176.4	169.6	158.7	144.4	131.6	120.4	114.2	110.0	108.3
36°	154.4	159.5	159.0	152.0	143.3	130.3	118.7	108.6	102.5	98.6	97.5
36.5°	139.5	142.5	141.7	136.8	126.5	116.1	106.1	97.2	91.4	87.8	86.9
37°	124.6	127.0	125.8	121.6	113.3	102.6	92.7	85.9	81.9	78.4	77.4
37.5°	111.5	112.9	111.5	108.1	101.0	91.3	82.8	76.6	72.7	69.7	68.8
38°	99.1	99.6	97.9	95.0	87.5	79.9	72.9	67.6	64.1	61.9	61.1
38.5°	88.4	88.1	86.2	83.9	78.2	71.2	64.3	60.4	57.8	55.4	54.6
39°	78.5	78.0	75.7	74.2	69.7	62.9	57.0	53.6	51.7	49.7	48.9
39.5°	69.5	69.1	66.7	65.6	60.8	55.3	50.9	47.9	46.0	44.6	43.9
40°	61.9	61.5	59.0	57.8	54.4	50.0	45.6	43.2	41.8	40.4	39.7
40.5°	54.9	54.2	51.8	50.8	48.5	44.4	40.5	38.6	37.8	36.4	35.8
41°	48.9	47.8	45.8	44.9	42.3	39.6	36.7	35.1	33.8	32.9	32.5
41.5°	43.2	42.5	40.7	40.0	37.8	35.5	33.1	31.7	30.9	30.0	29.6
42°	38.5	37.9	36.2	35.7	34.0	31.7	29.8	28.5	28.0	27.3	26.9
42.5°	34.8	34.1	32.5	31.9	30.4	28.9	27.4	26.3	25.4	24.9	24.5
43°	31.2	30.6	29.3	28.8	27.6	26.3	25.0	24.0	23.4	22.9	22.4
43.5°	28.4	27.8	26.6	26.2	25.4	24.3	23.0	22.2	21.7	21.2	20.8
44°	26.0	25.5	24.5	24.0	23.2	22.5	21.5	20.7	20.2	19.9	19.5
44.5°	23.8	23.6	22.7	22.1	21.4	20.8	19.9	19.3	19.1	18.7	18.3

TEST NUMBER: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-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°	22.0	21.8	21.0	20.6	20.1	19.6	18.9	18.3	18.0	17.6	17.3
45.5°	20.4	20.2	19.6	19.1	18.7	18.3	17.8	17.3	17.0	16.7	16.5
46°	19.0	18.9	18.2	17.9	17.6	17.3	16.9	16.5	16.2	15.9	15.6
46.5°	17.9	17.8	17.3	16.9	16.7	16.5	16.1	15.7	15.4	15.2	15.0
47°	16.9	16.8	16.3	16.0	15.8	15.7	15.4	15.0	14.8	14.6	14.3
47.5°	16.0	15.9	15.5	15.3	15.1	15.0	14.7	14.4	14.2	14.0	13.8
48°	15.3	15.2	14.8	14.6	14.5	14.4	14.1	13.8	13.7	13.5	13.3
48.5°	14.6	14.5	14.2	14.0	13.8	13.8	13.7	13.4	13.2	13.0	12.9
49°	14.1	13.9	13.6	13.4	13.3	13.3	13.2	12.9	12.8	12.6	12.5
49.5°	13.6	13.5	13.2	12.9	12.9	12.8	12.8	12.5	12.4	12.2	12.1
50°	13.1	13.0	12.8	12.5	12.4	12.5	12.4	12.2	12.0	11.9	11.8
50.5°	12.7	12.6	12.3	12.1	12.0	12.0	12.0	11.8	11.7	11.5	11.4
51°	12.3	12.2	12.0	11.7	11.7	11.7	11.6	11.4	11.3	11.3	11.1
51.5°	12.0	11.9	11.6	11.4	11.3	11.3	11.3	11.1	11.1	11.0	10.9
52°	11.7	11.5	11.3	11.1	11.0	11.0	11.0	10.8	10.8	10.7	10.6
52.5°	11.4	11.2	11.0	10.8	10.7	10.7	10.7	10.6	10.5	10.4	10.4
53°	11.1	11.0	10.8	10.5	10.4	10.4	10.4	10.3	10.2	10.2	10.1
53.5°	10.9	10.8	10.5	10.3	10.2	10.2	10.2	10.1	10.0	10.0	9.9
54°	10.7	10.5	10.3	10.0	10.0	10.0	9.9	9.8	9.8	9.8	9.8
54.5°	10.5	10.3	10.1	9.8	9.7	9.7	9.7	9.6	9.6	9.6	9.6
55°	10.3	10.1	9.9	9.6	9.6	9.5	9.5	9.4	9.4	9.4	9.4
55.5°	10.1	9.9	9.7	9.5	9.3	9.3	9.3	9.2	9.2	9.2	9.2
56°	9.9	9.8	9.6	9.3	9.2	9.2	9.1	9.1	9.0	9.0	9.1
56.5°	9.8	9.6	9.4	9.1	9.0	9.0	8.9	8.9	8.8	8.9	8.9
57°	9.6	9.5	9.2	9.0	8.8	8.8	8.7	8.7	8.7	8.7	8.8
57.5°	9.5	9.3	9.1	8.8	8.7	8.6	8.6	8.5	8.5	8.6	8.6
58°	9.4	9.2	8.9	8.7	8.5	8.5	8.5	8.4	8.4	8.4	8.5
58.5°	9.2	9.1	8.8	8.5	8.4	8.3	8.3	8.2	8.2	8.2	8.3
59°	9.1	8.9	8.7	8.4	8.3	8.2	8.1	8.1	8.1	8.1	8.2
59.5°	9.0	8.8	8.6	8.3	8.1	8.0	8.0	7.9	7.9	8.0	8.1
60°	8.9	8.7	8.4	8.2	8.0	7.9	7.8	7.8	7.8	7.8	7.9
60.5°	8.8	8.6	8.3	8.0	7.9	7.8	7.7	7.6	7.7	7.7	7.8
61°	8.6	8.5	8.2	7.9	7.8	7.6	7.6	7.5	7.5	7.6	7.7
61.5°	8.5	8.3	8.1	7.8	7.6	7.5	7.4	7.3	7.4	7.4	7.5
62°	8.4	8.2	7.9	7.7	7.5	7.4	7.3	7.2	7.2	7.3	7.4
62.5°	8.3	8.1	7.8	7.6	7.4	7.2	7.1	7.0	7.1	7.1	7.3
63°	8.2	8.0	7.8	7.5	7.3	7.1	7.0	6.9	6.9	7.0	7.1
63.5°	8.1	7.9	7.7	7.4	7.2	7.0	6.9	6.8	6.8	6.9	7.0
64°	8.0	7.8	7.6	7.3	7.1	6.9	6.8	6.7	6.7	6.8	6.9
64.5°	7.9	7.7	7.4	7.2	7.0	6.8	6.6	6.5	6.6	6.7	6.8
65°	7.8	7.6	7.3	7.1	6.8	6.6	6.5	6.4	6.4	6.5	6.7
65.5°	7.7	7.5	7.2	7.0	6.7	6.5	6.4	6.3	6.3	6.4	6.5
66°	7.6	7.4	7.1	6.8	6.6	6.4	6.2	6.1	6.2	6.3	6.4
66.5°	7.4	7.3	7.0	6.7	6.5	6.3	6.1	6.0	6.1	6.1	6.3
67°	7.3	7.2	6.9	6.6	6.4	6.2	6.0	5.9	5.9	6.0	6.2

TEST NUMBER: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-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°	7.2	7.1	6.8	6.5	6.3	6.1	5.9	5.8	5.8	5.9	6.1
68°	7.1	7.0	6.7	6.4	6.2	6.0	5.8	5.7	5.7	5.8	6.0
68.5°	7.0	6.9	6.6	6.3	6.0	5.8	5.6	5.5	5.6	5.7	5.8
69°	6.9	6.8	6.5	6.2	6.0	5.7	5.5	5.4	5.5	5.6	5.7
69.5°	6.8	6.7	6.4	6.1	5.9	5.6	5.4	5.3	5.3	5.4	5.6
70°	6.7	6.6	6.3	6.0	5.7	5.5	5.3	5.2	5.2	5.3	5.5
70.5°	6.6	6.5	6.2	5.9	5.6	5.4	5.2	5.1	5.1	5.2	5.4
71°	6.5	6.3	6.1	5.8	5.5	5.3	5.1	5.0	5.0	5.1	5.3
71.5°	6.4	6.2	6.0	5.7	5.4	5.2	4.9	4.8	4.9	5.0	5.2
72°	6.3	6.2	5.9	5.6	5.3	5.0	4.8	4.7	4.7	4.8	5.0
72.5°	6.2	6.1	5.8	5.5	5.2	4.9	4.7	4.7	4.6	4.7	4.9
73°	6.1	5.9	5.7	5.4	5.1	4.9	4.6	4.5	4.5	4.6	4.8
73.5°	6.0	5.8	5.6	5.3	5.0	4.7	4.5	4.4	4.4	4.5	4.7
74°	5.9	5.7	5.5	5.2	4.9	4.6	4.4	4.3	4.3	4.4	4.6
74.5°	5.7	5.6	5.3	5.1	4.8	4.5	4.3	4.2	4.1	4.2	4.4
75°	5.6	5.5	5.3	4.9	4.7	4.4	4.2	4.0	4.0	4.1	4.3
75.5°	5.5	5.4	5.1	4.9	4.5	4.3	4.0	3.9	3.9	4.0	4.2
76°	5.4	5.3	5.0	4.7	4.4	4.1	3.9	3.8	3.7	3.8	4.0
76.5°	5.3	5.2	4.9	4.6	4.3	4.0	3.8	3.6	3.6	3.7	3.9
77°	5.1	5.0	4.8	4.5	4.1	3.8	3.6	3.5	3.4	3.5	3.7
77.5°	5.0	4.9	4.6	4.3	4.0	3.7	3.5	3.3	3.2	3.3	3.5
78°	4.9	4.7	4.5	4.2	3.9	3.6	3.3	3.1	3.0	3.1	3.3
78.5°	4.7	4.6	4.4	4.0	3.7	3.4	3.1	2.9	2.8	2.9	3.0
79°	4.5	4.4	4.2	3.9	3.5	3.2	2.9	2.7	2.5	2.6	2.8
79.5°	4.3	4.2	4.0	3.7	3.3	2.9	2.6	2.3	2.2	2.2	2.4
80°	4.1	4.0	3.8	3.5	3.0	2.6	2.3	1.9	1.8	1.8	2.0
80.5°	3.8	3.8	3.6	3.2	2.7	2.3	1.9	1.6	1.4	1.4	1.6
81°	3.5	3.5	3.2	2.8	2.3	1.9	1.5	1.2	1.0	1.0	1.1
81.5°	2.9	3.0	2.8	2.4	1.9	1.5	1.0	0.8	0.8	0.8	0.8
82°	2.4	2.5	2.3	1.9	1.5	1.0	0.8	0.7	0.6	0.6	0.6
82.5°	1.9	2.0	1.8	1.4	1.0	0.7	0.7	0.6	0.6	0.6	0.6
83°	1.3	1.4	1.2	0.9	0.7	0.7	0.6	0.6	0.5	0.5	0.5
83.5°	0.8	0.9	0.8	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5
84°	0.6	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4
84.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4
85°	0.5	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3
85.5°	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3
86°	0.4	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
86.5°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2
87°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
88°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1
88.5°	0.2	0.3	0.3	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	0.2	0.1	0.1	0.1	0.1	0.1	0.1
89.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P979234
CATALOG NUMBER: PRLX-CYL2-X-927-15L-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: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-MD-U-S-X-X-WHITE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	5343.4	5343.4	5343.4	5343.4	5343.4	5343.4
0.5°	5320.3	5339.5	5345.3	5362.6	5357.8	5363.5
1°	5269.4	5284.8	5315.5	5334.7	5349.1	5372.2
1.5°	5210.9	5226.2	5256.0	5303.0	5335.7	5353.0
2°	5110.1	5134.1	5185.0	5228.2	5287.7	5330.9
2.5°	5004.5	5046.7	5109.1	5157.1	5230.1	5277.1
3°	4900.8	4952.6	4998.7	5083.2	5151.4	5228.2
3.5°	4758.7	4824.0	4912.3	4973.8	5074.6	5141.8
4°	4633.0	4695.4	4764.5	4863.4	4962.2	5062.1
4.5°	4516.8	4557.1	4653.1	4746.2	4860.5	4948.8
5°	4352.6	4417.0	4502.4	4611.8	4726.1	4837.4
5.5°	4198.1	4268.2	4350.7	4472.6	4598.4	4708.8
6°	4045.4	4115.5	4207.7	4333.4	4458.2	4585.0
6.5°	3874.6	3939.8	4042.6	4177.9	4311.4	4436.2
7°	3713.3	3778.6	3894.7	4009.9	4157.8	4297.9
7.5°	3548.2	3614.4	3728.6	3854.4	4005.1	4137.6
8°	3385.0	3453.1	3554.9	3700.8	3841.9	3984.0
8.5°	3217.9	3287.0	3387.8	3529.9	3681.6	3820.8
9°	3065.3	3127.7	3236.2	3373.4	3515.5	3657.6
9.5°	2901.1	2965.4	3073.0	3217.0	3368.6	3500.2
10°	2747.5	2808.0	2916.5	3046.1	3189.1	3339.8
10.5°	2594.9	2660.2	2757.1	2889.6	3039.4	3175.7
11°	2447.0	2498.9	2605.4	2738.9	2880.0	3011.5
11.5°	2301.1	2362.6	2454.7	2579.5	2725.4	2854.1
12°	2163.8	2222.4	2315.5	2441.3	2572.8	2697.6
12.5°	2039.0	2092.8	2180.2	2297.3	2430.7	2553.6
13°	1918.1	1962.2	2049.6	2166.7	2291.5	2412.5
13.5°	1801.0	1845.1	1924.8	2041.0	2160.0	2270.4
14°	1693.4	1740.5	1815.4	1916.2	2026.6	2134.1
14.5°	1588.8	1625.3	1703.0	1796.2	1909.4	2014.1
15°	1491.8	1526.4	1590.7	1687.7	1796.2	1894.1
15.5°	1406.4	1441.0	1507.2	1585.9	1686.7	1775.0
16°	1319.0	1349.8	1411.2	1489.0	1578.2	1667.5
16.5°	1246.1	1270.1	1325.8	1400.6	1487.0	1566.7
17°	1174.1	1198.1	1249.0	1314.2	1396.8	1470.7
17.5°	1103.0	1130.9	1174.1	1239.4	1307.5	1383.4
18°	1042.6	1066.6	1109.8	1165.4	1237.4	1300.8
18.5°	989.8	1008.0	1046.4	1100.2	1169.3	1225.0
19°	937.3	956.0	993.6	1039.7	1100.2	1153.0
19.5°	892.7	908.4	938.2	985.0	1038.7	1089.6
20°	846.9	862.3	894.1	934.1	984.0	1030.1
20.5°	805.1	818.9	844.4	884.2	929.9	970.6
21°	764.6	782.6	806.9	841.9	883.6	922.3
21.5°	733.5	747.6	768.8	802.8	839.0	873.4
22°	702.9	712.7	735.7	766.8	801.3	832.5

TEST NUMBER: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	671.7	682.2	703.9	732.5	762.5	793.3
23°	642.4	654.2	672.1	699.4	727.9	755.3
23.5°	615.3	627.0	644.4	669.4	694.1	722.9
24°	588.5	600.0	615.1	641.4	664.8	690.0
24.5°	564.1	574.0	590.8	614.5	636.7	660.1
25°	539.8	550.8	565.0	589.7	610.2	631.4
25.5°	515.9	526.7	543.6	565.7	583.6	603.8
26°	491.2	503.6	517.3	542.3	560.0	579.3
26.5°	466.4	479.9	494.6	517.4	536.0	554.5
27°	444.3	456.7	470.0	492.7	510.7	529.6
27.5°	422.7	432.7	449.2	471.5	488.1	505.4
28°	399.1	411.7	426.0	451.0	468.0	484.9
28.5°	376.3	389.0	403.7	428.6	445.1	462.4
29°	353.3	366.6	381.3	406.1	423.2	439.6
29.5°	331.2	344.4	359.8	382.1	401.6	418.0
30°	308.7	320.5	337.5	361.0	379.2	397.7
30.5°	287.0	299.9	314.9	339.1	357.5	375.1
31°	266.2	275.3	291.9	315.2	335.5	351.6
31.5°	244.0	254.7	270.6	293.9	313.3	329.5
32°	223.9	236.2	249.5	271.9	291.5	307.5
32.5°	204.6	214.4	229.3	250.5	270.6	286.8
33°	186.0	195.0	210.8	231.4	250.8	266.4
33.5°	169.3	178.2	191.9	210.2	229.5	245.7
34°	152.9	159.5	174.1	191.1	211.0	226.0
34.5°	137.7	145.2	157.3	174.7	192.8	206.4
35°	123.6	131.0	141.1	156.0	174.4	187.7
35.5°	110.7	115.9	126.9	140.2	158.1	171.1
36°	99.1	104.4	113.6	128.6	142.6	154.5
36.5°	88.0	93.1	101.1	111.9	126.8	138.7
37°	78.0	82.0	90.7	99.4	114.0	124.8
37.5°	69.6	73.0	79.9	89.9	101.7	110.9
38°	61.8	64.8	70.3	79.1	89.1	98.0
38.5°	55.0	57.6	63.4	69.7	80.1	88.0
39°	48.9	51.5	56.1	63.0	71.3	77.6
39.5°	43.8	45.9	49.7	55.9	62.7	68.9
40°	39.6	41.3	45.0	49.8	56.5	61.9
40.5°	35.8	37.2	40.1	44.8	50.1	54.7
41°	32.4	33.7	36.0	39.9	44.3	48.3
41.5°	29.4	30.6	32.9	36.0	39.9	43.3
42°	26.8	27.9	29.7	32.4	35.9	38.3
42.5°	24.5	25.5	27.1	29.5	32.2	34.5
43°	22.5	23.3	25.0	27.0	29.3	31.2
43.5°	20.8	21.6	22.9	24.8	26.7	28.4
44°	19.4	20.1	21.2	22.8	24.5	25.9
44.5°	18.2	18.7	19.8	21.1	22.5	23.8

TEST NUMBER: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	17.2	17.7	18.6	19.7	20.9	22.0
45.5°	16.4	16.8	17.5	18.5	19.5	20.4
46°	15.6	15.9	16.7	17.5	18.3	19.0
46.5°	14.9	15.3	15.9	16.7	17.3	17.9
47°	14.3	14.6	15.1	15.8	16.4	16.9
47.5°	13.8	14.1	14.6	15.1	15.6	16.0
48°	13.3	13.6	14.0	14.6	14.9	15.3
48.5°	12.8	13.1	13.6	14.0	14.3	14.7
49°	12.5	12.7	13.1	13.6	13.8	14.1
49.5°	12.1	12.3	12.7	13.2	13.4	13.6
50°	11.8	12.0	12.4	12.8	13.0	13.1
50.5°	11.5	11.7	12.1	12.5	12.5	12.7
51°	11.2	11.4	11.8	12.2	12.2	12.3
51.5°	10.9	11.1	11.5	11.8	11.9	12.0
52°	10.7	10.9	11.3	11.6	11.6	11.7
52.5°	10.4	10.7	11.0	11.3	11.4	11.4
53°	10.2	10.5	10.8	11.1	11.1	11.1
53.5°	10.0	10.3	10.6	10.9	10.9	10.9
54°	9.8	10.1	10.4	10.7	10.7	10.7
54.5°	9.7	9.9	10.3	10.5	10.5	10.5
55°	9.5	9.8	10.1	10.3	10.3	10.3
55.5°	9.3	9.6	9.9	10.2	10.1	10.1
56°	9.2	9.5	9.8	10.0	10.0	9.9
56.5°	9.0	9.3	9.6	9.9	9.8	9.8
57°	8.9	9.2	9.5	9.7	9.7	9.6
57.5°	8.7	9.0	9.4	9.6	9.6	9.5
58°	8.6	8.9	9.2	9.5	9.4	9.3
58.5°	8.5	8.8	9.1	9.3	9.3	9.2
59°	8.4	8.7	9.0	9.2	9.2	9.1
59.5°	8.2	8.5	8.9	9.1	9.1	9.0
60°	8.1	8.4	8.8	9.0	8.9	8.9
60.5°	8.0	8.3	8.7	8.8	8.8	8.8
61°	7.9	8.2	8.5	8.7	8.7	8.6
61.5°	7.7	8.1	8.4	8.6	8.6	8.5
62°	7.6	7.9	8.3	8.5	8.5	8.4
62.5°	7.5	7.8	8.2	8.4	8.4	8.3
63°	7.4	7.7	8.1	8.3	8.3	8.2
63.5°	7.3	7.6	7.9	8.2	8.2	8.1
64°	7.1	7.5	7.8	8.1	8.1	8.0
64.5°	7.0	7.4	7.7	8.0	8.0	7.9
65°	6.9	7.3	7.6	7.8	7.9	7.8
65.5°	6.8	7.1	7.5	7.7	7.7	7.7
66°	6.7	7.0	7.4	7.6	7.6	7.6
66.5°	6.5	6.9	7.3	7.5	7.5	7.4
67°	6.4	6.8	7.1	7.4	7.4	7.3

TEST NUMBER: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-MD-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	6.3	6.7	7.0	7.3	7.3	7.2
68°	6.2	6.5	6.9	7.2	7.2	7.1
68.5°	6.1	6.4	6.8	7.1	7.1	7.0
69°	6.0	6.3	6.7	7.0	7.0	6.9
69.5°	5.9	6.2	6.6	6.8	6.9	6.8
70°	5.8	6.1	6.5	6.7	6.8	6.7
70.5°	5.7	6.0	6.4	6.6	6.7	6.6
71°	5.5	5.9	6.2	6.5	6.6	6.5
71.5°	5.4	5.8	6.1	6.4	6.5	6.4
72°	5.3	5.6	6.0	6.3	6.3	6.3
72.5°	5.2	5.5	5.9	6.1	6.2	6.2
73°	5.1	5.4	5.8	6.0	6.1	6.1
73.5°	4.9	5.3	5.7	5.9	6.0	6.0
74°	4.8	5.2	5.5	5.8	5.9	5.9
74.5°	4.7	5.0	5.4	5.7	5.8	5.8
75°	4.6	4.9	5.3	5.6	5.7	5.6
75.5°	4.4	4.8	5.2	5.4	5.6	5.5
76°	4.3	4.6	5.0	5.3	5.4	5.4
76.5°	4.1	4.5	4.9	5.2	5.3	5.3
77°	4.0	4.3	4.7	5.0	5.1	5.1
77.5°	3.8	4.1	4.5	4.8	5.0	5.0
78°	3.6	3.9	4.3	4.7	4.8	4.9
78.5°	3.4	3.7	4.1	4.5	4.6	4.7
79°	3.1	3.5	3.9	4.3	4.5	4.5
79.5°	2.7	3.2	3.6	4.0	4.2	4.3
80°	2.3	2.7	3.3	3.7	4.0	4.1
80.5°	1.8	2.3	2.8	3.3	3.7	3.8
81°	1.3	1.7	2.4	2.8	3.2	3.4
81.5°	1.0	1.2	1.7	2.3	2.7	2.9
82°	0.7	0.9	1.2	1.7	2.2	2.4
82.5°	0.6	0.6	0.8	1.2	1.6	1.9
83°	0.5	0.6	0.6	0.8	1.0	1.3
83.5°	0.5	0.5	0.6	0.6	0.7	0.8
84°	0.4	0.5	0.5	0.6	0.6	0.6
84.5°	0.4	0.4	0.5	0.5	0.5	0.6
85°	0.4	0.4	0.4	0.5	0.5	0.5
85.5°	0.3	0.4	0.4	0.4	0.5	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	0.4
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: P979234
CATALOG NUMBER: PRLX-CYL2-X-927-15L-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: P979234

CATALOG NUMBER: PRLX-CYL2-X-927-15L-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	8.17	9.09	8.53	9.40	9.71	7.59	8.51	7.96	8.82	9.14
	3H	10.46	11.28	10.85	11.61	11.98	9.66	10.47	10.04	10.81	11.17
	4H	11.57	12.32	11.98	12.67	13.06	10.64	11.39	11.05	11.74	12.14
	6H	12.56	13.24	12.98	13.62	14.01	11.44	12.12	11.86	12.50	12.90
	8H	12.76	13.40	13.20	13.79	14.20	11.53	12.17	11.96	12.56	12.97
	12H	12.72	13.33	13.16	13.72	14.15	11.48	12.10	11.92	12.48	12.91
4H	2H	8.78	9.53	9.19	9.89	10.28	8.19	8.94	8.60	9.30	9.69
	3H	11.33	11.94	11.75	12.35	12.76	10.52	11.13	10.93	11.54	11.95
	4H	12.60	13.15	13.04	13.57	14.02	11.65	12.20	12.09	12.62	13.07
	6H	13.74	14.21	14.21	14.66	15.13	12.59	13.06	13.06	13.51	13.98
	8H	13.96	14.39	14.44	14.85	15.32	12.69	13.12	13.17	13.57	14.05
	12H	13.93	14.30	14.42	14.79	15.27	12.65	13.02	13.14	13.51	13.99
8H	4H	12.99	13.42	13.47	13.87	14.35	12.04	12.48	12.52	12.93	13.40
	6H	14.28	14.62	14.80	15.13	15.62	13.11	13.45	13.62	13.96	14.44
	8H	14.53	14.83	15.07	15.36	15.86	13.23	13.53	13.77	14.06	14.55
	12H	14.52	14.78	15.04	15.28	15.86	13.22	13.47	13.74	13.97	14.56
12H	4H	13.01	13.38	13.50	13.87	14.35	12.07	12.44	12.56	12.93	13.41
	6H	14.31	14.61	14.85	15.14	15.64	13.15	13.45	13.68	13.97	14.47
	8H	14.58	14.84	15.11	15.34	15.92	13.29	13.55	13.82	14.05	14.63

END OF REPORT