

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: P979257

Luminaire Tested: PRLX-CYL2-X-940-15L-NF-U-S-X-X-WHTE

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979257
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-940-15L-NF-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, NARROW FLOOD OPTIC
1500 LUMENS
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

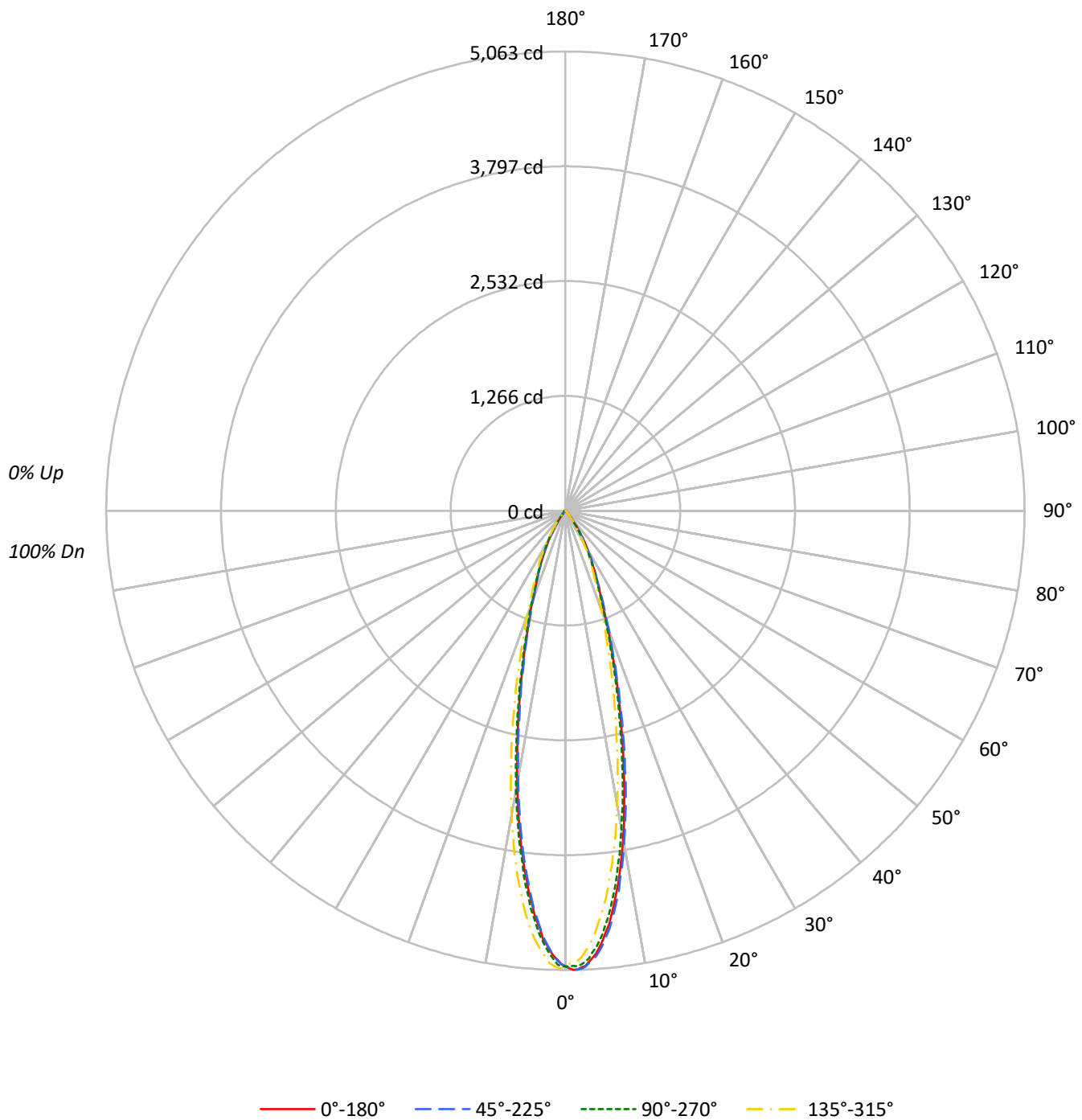
Lumens per Lamp: N/A
Luminaire Lumens: 1474.6 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.47
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-NF-U-S-X-X-WHTE

Luminous Intensity Polar Plot



TEST NUMBER: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-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°	1561349	1561349	1561349	1561349
5°	1480402	1461185	1348318	1370904
10°	1155003	1127076	964149	988006
15°	758522	735614	595209	615028
20°	449312	433603	348807	362532
25°	273736	261529	215615	225010
30°	173109	157929	122224	133528
35°	86347	74928	50154	58577
40°	29412	26775	17972	20244
45°	11779	11735	9493	9889
50°	8267	8171	7446	7542
55°	7260	6935	6664	6827
60°	7023	6402	6402	6837
65°	7206	6250	6250	6986
70°	7633	6270	6360	7360
75°	8405	6484	6484	8045
80°	9127	6085	4295	6980
85°	2496	2139	1426	1783

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 12394 cd/sqm

TEST NUMBER: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-NF-U-S-X-X-WHTE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.3	26.7
10°-20°	579.2	39.3
20°-30°	332.9	22.6
30°-40°	118.7	8.1
40°-50°	21.5	1.5
50°-60°	11.6	0.8
60°-70°	9.0	0.6
70°-80°	6.3	0.4
80°-90°	1.1	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°	1306.4	88.6
0°-40°	1425.1	96.6
0°-60°	1458.2	98.9
0°-90°	1474.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1474.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5024	5024	5024	5024	5024	
5°	4746	4684	4322	4394	4757	418
15°	2358	2286	1850	1912	2364	646
25°	798	763	629	656	800	376
35°	228	198	132	154	228	148
45°	27	27	22	22	27	25
55°	13	13	12	13	13	12
65°	10	8	8	10	10	10
75°	7	5	5	7	7	7
85°	1	1	0	0	1	2
90°	0	0	0	0	0	

TEST NUMBER: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-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°	5024.1	5024.1	5024.1	5024.1	5024.1	5024.1	5024.1	5024.1	5024.1	5024.1	5024.1
0.5°	5047.9	5050.1	5041.4	5028.5	5023.1	5011.2	4993.9	4998.2	4997.1	5000.4	4997.1
1°	5063.0	5063.0	5054.4	5037.1	5019.8	5015.5	4985.3	4975.5	4951.8	4957.2	4963.7
1.5°	5059.8	5055.5	5058.7	5030.6	5022.0	4992.8	4960.4	4929.1	4911.8	4901.0	4911.8
2°	5038.2	5052.2	5054.4	5020.9	5006.9	4960.4	4929.1	4882.7	4852.4	4831.9	4845.9
2.5°	5022.0	5042.5	5030.6	5010.1	4980.9	4919.4	4875.1	4825.4	4782.2	4767.1	4770.3
3°	4983.1	5005.8	4992.8	4975.5	4944.2	4882.7	4816.8	4755.2	4726.1	4701.2	4693.7
3.5°	4936.7	4963.7	4970.1	4926.9	4878.3	4824.3	4743.3	4685.0	4614.8	4602.9	4600.8
4°	4891.3	4923.7	4915.1	4878.3	4827.6	4750.9	4678.5	4586.7	4528.4	4500.3	4498.2
4.5°	4824.3	4854.6	4856.7	4825.4	4764.9	4683.9	4574.9	4506.8	4446.3	4408.5	4405.3
5°	4745.5	4797.3	4790.9	4749.8	4683.9	4592.1	4488.5	4398.8	4322.1	4297.3	4281.1
5.5°	4662.3	4715.3	4708.8	4674.2	4595.4	4493.9	4394.5	4288.7	4222.8	4175.3	4170.9
6°	4586.7	4631.0	4637.5	4583.5	4506.8	4396.7	4287.6	4178.5	4092.1	4055.4	4055.4
6.5°	4479.8	4541.4	4539.2	4493.9	4399.9	4297.3	4178.5	4060.8	3989.5	3932.3	3920.4
7°	4383.7	4438.8	4436.6	4391.3	4295.1	4176.3	4038.1	3939.8	3841.5	3805.9	3804.8
7.5°	4275.7	4340.5	4334.0	4284.3	4186.1	4062.9	3942.0	3811.3	3723.8	3673.1	3664.4
8°	4162.3	4226.0	4234.7	4174.2	4073.7	3947.4	3803.7	3682.8	3585.6	3544.6	3542.4
8.5°	4040.3	4098.6	4098.6	4042.4	3939.8	3823.2	3685.0	3553.2	3471.1	3400.9	3405.2
9°	3915.0	3980.9	3988.4	3938.7	3825.3	3683.9	3548.9	3425.8	3318.8	3276.7	3265.9
9.5°	3790.8	3864.2	3864.2	3801.6	3685.0	3561.8	3418.2	3290.8	3190.3	3139.6	3137.4
10°	3660.1	3723.8	3729.2	3663.4	3571.6	3430.1	3292.9	3152.5	3055.3	3002.4	3004.6
10.5°	3533.8	3592.1	3605.0	3542.4	3422.5	3291.8	3155.8	3027.2	2925.7	2877.1	2863.1
11°	3397.7	3459.2	3462.5	3407.4	3301.6	3165.5	3014.3	2895.5	2794.0	2735.6	2733.5
11.5°	3256.2	3330.7	3329.6	3274.6	3169.8	3032.6	2891.2	2758.3	2662.2	2606.0	2608.2
12°	3122.3	3191.4	3204.4	3140.6	3031.6	2896.6	2761.6	2627.6	2531.5	2489.4	2484.0
12.5°	2993.8	3047.8	3064.0	3003.5	2894.4	2765.9	2625.5	2501.3	2411.6	2360.9	2354.4
13°	2857.7	2918.2	2922.5	2864.2	2773.4	2634.1	2494.8	2373.8	2290.7	2235.6	2227.0
13.5°	2725.9	2794.0	2799.4	2752.9	2650.3	2515.3	2380.3	2260.4	2169.7	2123.3	2122.2
14°	2600.6	2670.8	2671.9	2620.1	2518.6	2403.0	2266.9	2148.1	2055.2	2016.4	2011.0
14.5°	2473.2	2535.8	2548.8	2491.6	2399.8	2278.8	2152.4	2041.2	1958.0	1913.8	1907.3
15°	2357.6	2408.4	2414.9	2372.8	2286.4	2157.8	2036.9	1928.9	1850.0	1805.8	1802.5
15.5°	2235.6	2292.8	2299.3	2255.0	2163.2	2048.8	1925.6	1827.4	1744.2	1706.4	1695.6
16°	2120.0	2173.0	2177.3	2137.3	2050.9	1941.8	1824.1	1725.8	1650.2	1615.7	1610.3
16.5°	2004.5	2058.5	2069.3	2022.8	1940.8	1840.3	1726.9	1633.0	1563.8	1529.3	1521.7
17°	1896.5	1949.4	1958.0	1920.2	1840.3	1739.9	1633.0	1544.4	1475.3	1444.0	1438.6
17.5°	1798.2	1842.5	1844.6	1814.4	1742.0	1641.6	1541.2	1458.0	1391.0	1361.9	1355.4
18°	1699.9	1742.0	1749.6	1710.7	1637.3	1552.0	1452.6	1371.6	1314.4	1287.4	1284.1
18.5°	1603.8	1645.9	1653.5	1616.8	1548.7	1467.7	1374.8	1300.3	1237.7	1213.9	1212.8
19°	1513.1	1555.2	1560.6	1532.5	1471.0	1386.7	1300.3	1229.0	1174.0	1150.2	1147.0
19.5°	1436.4	1477.4	1483.9	1450.4	1388.9	1313.3	1231.2	1163.2	1116.7	1093.0	1091.9
20°	1358.6	1391.0	1400.8	1368.4	1311.1	1238.8	1162.1	1098.4	1054.7	1031.3	1033.6
20.5°	1280.9	1317.6	1319.8	1294.9	1242.0	1172.9	1100.5	1041.8	995.2	977.4	979.2
21°	1215.0	1242.0	1246.3	1225.8	1172.9	1111.3	1043.2	988.4	946.7	929.0	929.0
21.5°	1149.1	1174.0	1178.3	1157.8	1108.1	1049.0	985.6	935.0	899.2	878.9	881.5
22°	1088.6	1114.6	1115.6	1091.9	1046.6	992.3	933.4	885.9	851.6	836.8	838.1

TEST NUMBER: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-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°	1029.5	1055.6	1056.5	1033.9	992.2	942.6	887.8	842.5	810.0	795.7	797.0
23°	981.9	999.1	1000.8	980.6	941.4	892.1	842.2	801.1	772.0	757.4	759.8
23.5°	929.1	943.7	948.9	928.7	892.4	847.3	798.5	760.7	733.2	718.5	723.1
24°	882.4	899.7	901.6	882.0	844.7	805.1	759.6	721.7	695.7	684.8	689.5
24.5°	839.4	852.5	854.2	836.5	802.1	765.4	721.4	684.6	662.6	651.3	656.0
25°	798.3	810.1	807.7	792.9	762.7	726.0	685.7	651.5	628.8	618.3	621.4
25.5°	761.4	771.0	771.4	751.9	722.8	689.9	650.6	619.4	597.6	586.9	590.4
26°	726.7	735.8	734.4	715.3	686.0	655.3	618.0	588.0	567.1	556.3	562.0
26.5°	688.5	696.8	696.3	678.9	651.5	621.9	585.0	555.6	536.0	526.1	531.6
27°	654.8	660.6	661.3	645.2	618.7	586.4	553.6	525.1	506.3	496.4	501.3
27.5°	627.2	630.0	627.3	613.1	585.4	556.2	525.1	494.3	476.6	468.0	473.5
28°	596.5	600.0	597.3	581.0	555.8	526.1	495.5	465.4	449.2	439.1	445.9
28.5°	565.5	569.6	567.4	548.3	524.6	496.8	463.8	436.4	421.4	410.4	418.6
29°	537.5	540.0	538.2	518.5	495.3	467.9	436.2	409.5	393.8	384.0	391.0
29.5°	510.5	510.7	509.1	491.3	467.2	438.9	408.8	382.6	366.8	358.0	364.0
30°	482.4	484.5	480.7	463.6	440.1	410.4	381.9	355.6	340.6	332.7	337.7
30.5°	454.2	458.1	453.5	435.8	412.9	383.9	356.3	329.4	316.5	307.9	313.3
31°	428.1	431.1	425.3	407.5	385.5	357.4	330.2	303.7	291.4	282.3	289.1
31.5°	400.8	402.7	397.4	379.6	357.0	331.5	305.3	279.3	266.8	258.1	264.8
32°	375.1	375.9	371.8	354.2	332.3	306.7	280.3	256.0	243.2	236.1	242.4
32.5°	347.4	349.4	345.8	328.1	307.3	281.8	256.1	233.0	221.1	214.7	220.3
33°	322.4	323.8	320.5	302.9	284.4	257.9	233.9	212.4	200.3	194.0	199.7
33.5°	297.8	300.2	296.2	279.7	260.6	236.5	213.5	193.8	182.1	176.4	180.6
34°	273.8	276.2	271.6	256.9	237.4	216.1	194.8	174.5	164.5	159.4	162.5
34.5°	251.4	253.2	249.0	234.0	217.0	196.6	176.3	157.2	147.6	143.6	146.2
35°	227.6	230.3	226.3	213.1	197.5	177.3	158.8	141.4	132.2	128.1	130.8
35.5°	206.0	208.4	204.9	193.3	178.8	159.4	142.8	126.5	117.7	114.3	116.7
36°	186.0	188.6	185.2	175.1	161.0	142.9	127.5	113.0	105.3	101.8	104.5
36.5°	166.4	169.2	165.7	156.5	144.0	128.3	114.3	101.2	93.9	90.7	92.6
37°	148.6	151.7	148.4	139.9	128.6	115.0	102.3	90.4	84.0	81.1	82.4
37.5°	132.6	135.9	132.7	125.6	115.2	102.5	91.1	80.8	75.2	72.8	73.6
38°	117.9	120.7	118.4	112.1	103.1	92.3	81.9	72.1	67.0	65.0	65.8
38.5°	104.9	107.6	105.7	101.0	92.5	82.7	73.1	64.8	60.0	58.4	59.1
39°	92.9	95.7	93.5	89.3	82.2	73.9	65.6	58.6	53.9	52.7	53.0
39.5°	82.0	84.7	83.0	79.5	73.8	66.2	59.3	52.9	48.8	47.7	47.8
40°	72.5	75.4	74.2	70.9	66.0	59.4	53.3	47.8	44.3	43.2	43.3
40.5°	64.0	66.6	65.7	63.0	59.1	53.5	48.1	43.3	40.3	39.3	39.4
41°	56.8	59.2	58.4	56.3	53.1	48.4	43.8	39.4	36.8	36.0	36.1
41.5°	50.6	53.1	52.8	50.6	48.0	43.8	39.8	35.7	33.7	33.1	33.2
42°	45.1	47.0	46.8	45.2	43.5	40.0	36.4	32.8	30.9	30.4	30.5
42.5°	40.6	42.4	42.4	41.3	39.4	36.6	33.2	30.3	28.6	28.2	28.2
43°	36.8	38.6	38.7	37.8	36.3	33.7	30.8	28.1	26.7	26.4	26.4
43.5°	33.7	35.2	35.2	34.8	33.4	31.1	28.6	26.3	25.1	24.8	24.9
44°	31.2	32.5	32.7	32.2	30.9	28.7	26.6	24.7	23.8	23.5	23.4
44.5°	28.9	30.1	30.2	29.7	28.7	26.9	25.0	23.4	22.7	22.3	22.3

TEST NUMBER: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-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°	26.8	27.9	28.2	27.6	26.7	25.3	23.7	22.2	21.6	21.3	21.3
45.5°	25.1	26.0	26.3	25.8	25.1	23.8	22.5	21.2	20.7	20.3	20.3
46°	23.7	24.4	24.6	24.3	23.7	22.5	21.4	20.3	19.8	19.6	19.5
46.5°	22.5	23.1	23.3	23.0	22.4	21.5	20.4	19.5	19.0	18.9	18.7
47°	21.4	21.9	22.1	21.9	21.2	20.4	19.6	18.8	18.3	18.2	18.1
47.5°	20.4	20.9	21.1	20.9	20.3	19.6	18.8	18.1	17.7	17.5	17.5
48°	19.7	20.0	20.2	20.0	19.5	18.8	18.2	17.5	17.2	17.1	17.0
48.5°	18.9	19.3	19.4	19.2	18.7	18.1	17.5	17.0	16.7	16.6	16.5
49°	18.3	18.6	18.7	18.5	18.0	17.5	17.0	16.5	16.3	16.1	16.1
49.5°	17.6	17.9	18.0	17.8	17.5	16.9	16.5	16.0	15.8	15.7	15.7
50°	17.1	17.3	17.4	17.2	16.9	16.4	16.0	15.6	15.4	15.3	15.3
50.5°	16.6	16.7	16.8	16.7	16.3	15.9	15.6	15.2	15.0	14.9	15.0
51°	16.1	16.3	16.3	16.1	15.8	15.4	15.1	14.8	14.7	14.6	14.6
51.5°	15.6	15.8	15.9	15.6	15.3	15.0	14.7	14.4	14.3	14.2	14.3
52°	15.3	15.3	15.4	15.2	14.9	14.6	14.3	14.0	14.0	13.9	14.0
52.5°	14.9	14.9	14.9	14.8	14.5	14.2	14.0	13.7	13.6	13.6	13.7
53°	14.5	14.5	14.5	14.4	14.1	13.9	13.7	13.4	13.3	13.4	13.4
53.5°	14.2	14.2	14.2	14.0	13.7	13.5	13.4	13.1	13.1	13.1	13.2
54°	13.9	13.9	13.8	13.6	13.4	13.2	13.0	12.9	12.9	12.8	12.9
54.5°	13.7	13.6	13.5	13.3	13.1	12.9	12.8	12.6	12.6	12.6	12.7
55°	13.4	13.3	13.2	13.0	12.8	12.6	12.5	12.3	12.3	12.4	12.5
55.5°	13.1	13.0	12.9	12.7	12.5	12.3	12.2	12.1	12.1	12.2	12.3
56°	12.9	12.7	12.7	12.4	12.2	12.1	12.0	11.8	11.9	12.0	12.1
56.5°	12.7	12.5	12.4	12.1	11.9	11.8	11.7	11.6	11.7	11.7	11.9
57°	12.5	12.3	12.1	11.9	11.7	11.6	11.5	11.4	11.4	11.5	11.7
57.5°	12.2	12.0	11.8	11.6	11.4	11.3	11.3	11.1	11.2	11.4	11.5
58°	12.0	11.8	11.6	11.4	11.2	11.1	11.0	11.0	11.0	11.2	11.3
58.5°	11.8	11.6	11.4	11.2	11.0	10.9	10.8	10.8	10.8	11.0	11.2
59°	11.7	11.5	11.2	11.0	10.8	10.6	10.6	10.5	10.6	10.8	11.0
59.5°	11.5	11.3	11.0	10.7	10.5	10.4	10.4	10.3	10.4	10.6	10.8
60°	11.3	11.0	10.8	10.5	10.3	10.2	10.2	10.1	10.3	10.4	10.6
60.5°	11.2	10.8	10.6	10.3	10.2	10.0	10.0	10.0	10.1	10.3	10.5
61°	11.0	10.7	10.4	10.1	10.0	9.8	9.8	9.8	9.9	10.1	10.3
61.5°	10.8	10.5	10.2	9.9	9.7	9.7	9.6	9.6	9.7	9.9	10.1
62°	10.7	10.4	10.1	9.7	9.6	9.5	9.4	9.4	9.5	9.8	10.0
62.5°	10.5	10.2	9.9	9.6	9.4	9.3	9.2	9.2	9.3	9.6	9.8
63°	10.4	10.0	9.7	9.4	9.2	9.1	9.0	9.1	9.2	9.4	9.7
63.5°	10.2	9.9	9.5	9.2	9.0	8.9	8.9	8.9	9.0	9.3	9.5
64°	10.1	9.7	9.4	9.1	8.8	8.7	8.7	8.7	8.9	9.1	9.4
64.5°	9.9	9.6	9.2	8.9	8.7	8.6	8.5	8.5	8.7	9.0	9.2
65°	9.8	9.4	9.0	8.7	8.5	8.4	8.3	8.4	8.5	8.8	9.1
65.5°	9.6	9.3	8.9	8.5	8.3	8.2	8.2	8.2	8.4	8.6	8.9
66°	9.4	9.1	8.7	8.4	8.2	8.0	8.0	8.0	8.2	8.5	8.8
66.5°	9.3	9.0	8.6	8.2	8.0	7.9	7.8	7.9	8.1	8.3	8.6
67°	9.2	8.8	8.4	8.1	7.8	7.7	7.7	7.7	7.9	8.2	8.5

TEST NUMBER: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-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°	9.1	8.7	8.3	7.9	7.7	7.6	7.5	7.6	7.7	8.0	8.3
68°	8.9	8.6	8.1	7.7	7.5	7.4	7.4	7.4	7.6	7.9	8.2
68.5°	8.7	8.4	8.0	7.6	7.4	7.3	7.2	7.3	7.4	7.7	8.0
69°	8.6	8.3	7.9	7.5	7.2	7.1	7.0	7.1	7.3	7.6	7.9
69.5°	8.5	8.1	7.7	7.3	7.1	6.9	6.9	7.0	7.1	7.4	7.8
70°	8.4	8.0	7.6	7.2	6.9	6.8	6.7	6.8	7.0	7.3	7.6
70.5°	8.2	7.9	7.4	7.0	6.7	6.6	6.6	6.7	6.8	7.1	7.4
71°	8.1	7.7	7.3	6.9	6.6	6.5	6.5	6.5	6.7	7.0	7.3
71.5°	7.9	7.6	7.1	6.7	6.5	6.3	6.3	6.4	6.5	6.8	7.1
72°	7.8	7.5	7.0	6.6	6.3	6.2	6.1	6.2	6.4	6.7	7.0
72.5°	7.6	7.3	6.9	6.5	6.2	6.0	6.0	6.1	6.2	6.5	6.8
73°	7.5	7.1	6.7	6.3	6.0	5.9	5.8	5.9	6.0	6.3	6.7
73.5°	7.4	7.0	6.6	6.2	5.9	5.7	5.7	5.8	5.9	6.2	6.5
74°	7.2	6.9	6.5	6.0	5.7	5.6	5.5	5.6	5.8	6.0	6.4
74.5°	7.1	6.8	6.3	5.9	5.6	5.4	5.4	5.4	5.6	5.9	6.2
75°	7.0	6.6	6.2	5.7	5.4	5.3	5.2	5.3	5.4	5.7	6.0
75.5°	6.8	6.5	6.0	5.6	5.3	5.1	5.0	5.1	5.2	5.5	5.8
76°	6.7	6.3	5.9	5.4	5.1	4.9	4.9	4.9	5.0	5.3	5.6
76.5°	6.5	6.2	5.7	5.3	4.9	4.8	4.7	4.7	4.8	5.1	5.4
77°	6.3	6.0	5.6	5.1	4.8	4.6	4.5	4.5	4.6	4.9	5.2
77.5°	6.2	5.8	5.4	5.0	4.6	4.4	4.3	4.3	4.4	4.6	4.9
78°	6.0	5.7	5.2	4.8	4.4	4.2	4.1	4.1	4.1	4.3	4.6
78.5°	5.8	5.4	5.0	4.6	4.2	4.0	3.9	3.8	3.8	4.0	4.3
79°	5.6	5.2	4.8	4.4	4.0	3.7	3.6	3.5	3.4	3.6	3.9
79.5°	5.3	5.0	4.6	4.1	3.7	3.4	3.2	3.0	3.0	3.0	3.3
80°	5.1	4.8	4.4	3.9	3.4	3.1	2.9	2.6	2.4	2.5	2.8
80.5°	4.8	4.5	4.1	3.6	3.1	2.7	2.4	2.0	1.8	1.8	2.1
81°	4.4	4.1	3.7	3.2	2.6	2.2	1.9	1.5	1.3	1.3	1.5
81.5°	3.9	3.7	3.3	2.7	2.2	1.8	1.3	1.1	0.9	0.9	1.0
82°	3.2	3.0	2.7	2.2	1.7	1.3	1.1	0.9	0.8	0.8	0.8
82.5°	2.5	2.4	2.1	1.6	1.2	1.0	0.8	0.7	0.7	0.7	0.7
83°	1.8	1.8	1.5	1.1	1.0	0.8	0.7	0.7	0.6	0.6	0.6
83.5°	1.1	1.1	1.0	0.9	0.8	0.7	0.7	0.6	0.6	0.6	0.6
84°	0.8	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5
84.5°	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5
85°	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.4
85.5°	0.6	0.7	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.4	0.4
86°	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.3	0.3
86.5°	0.5	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3
87°	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2
87.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2
88°	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.2
88.5°	0.3	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1
89°	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1
89.5°	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P979257
CATALOG NUMBER: PRLX-CYL2-X-940-15L-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: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	5024.1	5024.1	5024.1	5024.1	5024.1	5024.1
0.5°	5023.1	5023.1	5030.6	5050.1	5052.2	5045.7
1°	4975.5	5002.5	5010.1	5037.1	5047.9	5045.7
1.5°	4923.7	4948.5	4977.7	5018.7	5019.8	5056.5
2°	4865.4	4894.5	4938.8	4986.3	5013.3	5041.4
2.5°	4797.3	4829.7	4884.8	4928.0	4983.1	5012.3
3°	4712.0	4760.6	4822.2	4879.4	4938.8	4983.1
3.5°	4635.3	4682.9	4745.5	4814.6	4884.8	4944.2
4°	4534.9	4591.1	4664.5	4746.6	4827.6	4881.6
4.5°	4435.5	4488.5	4577.0	4675.3	4757.4	4818.9
5°	4322.1	4394.5	4478.7	4579.2	4676.4	4757.4
5.5°	4205.5	4270.3	4374.0	4488.5	4591.1	4661.3
6°	4092.1	4163.4	4261.7	4382.6	4506.8	4587.8
6.5°	3961.4	4045.7	4158.0	4281.1	4392.3	4488.5
7°	3839.4	3908.5	4027.3	4162.3	4291.9	4382.6
7.5°	3707.6	3790.8	3907.4	4051.1	4181.7	4281.1
8°	3578.0	3664.4	3787.5	3926.9	4066.2	4165.5
8.5°	3451.7	3523.0	3656.9	3812.4	3935.5	4052.1
9°	3308.0	3399.8	3518.6	3678.5	3824.3	3927.9
9.5°	3178.4	3262.7	3399.8	3541.3	3694.7	3791.9
10°	3045.6	3130.9	3258.4	3417.1	3557.5	3673.1
10.5°	2911.7	2995.9	3123.4	3284.3	3431.2	3537.0
11°	2777.8	2865.2	2999.2	3151.4	3289.7	3403.1
11.5°	2649.2	2731.3	2863.1	3012.1	3162.2	3263.8
12°	2522.9	2609.3	2732.4	2881.4	3022.9	3134.2
12.5°	2390.0	2476.4	2597.4	2751.8	2886.8	2993.8
13°	2273.4	2350.1	2473.2	2624.4	2762.6	2866.3
13.5°	2158.9	2238.8	2354.4	2495.9	2632.0	2732.4
14°	2050.9	2117.9	2241.0	2380.3	2509.9	2602.8
14.5°	1946.2	2022.8	2124.4	2260.4	2391.1	2484.0
15°	1838.2	1911.6	2013.1	2139.5	2269.1	2364.1
15.5°	1735.6	1800.4	1905.1	2033.6	2151.4	2243.2
16°	1642.7	1707.5	1806.8	1921.3	2040.1	2120.0
16.5°	1553.0	1618.9	1708.6	1822.0	1930.0	2012.0
17°	1467.7	1531.4	1613.5	1720.4	1829.5	1908.4
17.5°	1390.0	1442.9	1520.6	1627.6	1728.0	1802.5
18°	1313.3	1363.0	1438.6	1535.8	1629.7	1704.2
18.5°	1239.8	1286.3	1365.1	1452.6	1539.0	1607.0
19°	1172.9	1218.2	1288.4	1369.4	1454.8	1520.6
19.5°	1111.3	1158.8	1219.3	1294.9	1379.2	1440.7
20°	1055.9	1096.2	1154.5	1228.0	1303.6	1365.1
20.5°	1002.2	1036.9	1091.9	1165.3	1231.2	1286.3
21°	946.4	984.5	1035.8	1099.4	1163.2	1216.1
21.5°	897.8	933.0	981.4	1039.2	1097.3	1149.1
22°	855.9	885.3	930.0	987.0	1039.4	1090.8

TEST NUMBER: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	816.3	843.0	885.6	941.3	987.4	1031.5
23°	775.9	802.7	842.0	893.9	937.4	979.3
23.5°	736.9	761.7	801.5	848.7	888.7	931.0
24°	700.3	725.7	762.3	810.6	843.4	883.2
24.5°	667.1	690.0	724.1	774.0	803.0	841.2
25°	637.0	656.2	690.8	738.5	765.4	799.5
25.5°	605.0	624.1	657.5	705.5	730.0	760.6
26°	574.9	595.3	625.3	675.8	695.5	725.0
26.5°	544.0	566.4	593.2	644.3	661.9	691.0
27°	514.9	534.0	564.1	614.2	630.0	657.4
27.5°	486.8	505.7	535.9	585.7	599.9	627.8
28°	459.3	478.9	507.2	559.1	570.9	597.0
28.5°	431.6	451.1	478.9	532.4	541.8	565.4
29°	405.5	424.2	451.3	504.3	514.0	538.8
29.5°	378.0	398.1	424.7	477.4	488.4	511.1
30°	351.5	372.1	398.3	449.4	460.4	482.1
30.5°	326.6	346.5	373.0	422.2	433.3	455.7
31°	302.3	321.9	347.8	394.8	406.5	427.9
31.5°	277.6	297.4	321.8	366.9	380.5	401.8
32°	254.3	273.6	296.7	340.1	353.8	375.5
32.5°	231.9	250.7	273.0	313.4	327.5	348.3
33°	211.0	229.6	250.1	287.6	302.1	322.4
33.5°	191.5	209.3	228.7	263.2	278.7	298.1
34°	172.9	190.2	208.5	237.2	255.1	274.2
34.5°	156.2	171.8	188.6	214.3	232.1	251.2
35°	139.5	154.4	169.8	192.5	210.8	228.3
35.5°	124.5	137.8	152.5	171.6	189.8	206.7
36°	111.6	123.1	136.5	152.5	170.4	186.4
36.5°	98.9	110.3	122.1	134.8	152.6	167.6
37°	88.1	98.1	108.5	119.6	136.2	149.6
37.5°	78.7	87.5	96.8	105.0	121.0	132.8
38°	69.9	77.9	86.0	92.6	107.3	117.7
38.5°	62.4	69.4	76.4	81.9	95.1	105.2
39°	56.3	62.2	67.8	72.1	84.1	92.9
39.5°	50.5	55.7	60.7	63.9	74.5	82.3
40°	45.7	49.9	54.1	56.6	65.9	73.0
40.5°	41.3	44.8	48.5	50.4	58.4	64.5
41°	37.5	40.5	43.8	45.1	52.0	56.9
41.5°	34.3	36.8	39.5	40.5	46.2	50.7
42°	31.6	33.7	36.1	36.9	41.7	45.0
42.5°	29.1	31.0	33.0	33.8	37.6	40.6
43°	27.2	28.8	30.6	31.2	34.3	36.9
43.5°	25.4	26.9	28.6	29.1	31.6	33.8
44°	24.0	25.2	26.6	27.2	29.4	31.2
44.5°	22.8	23.8	25.0	25.6	27.6	29.0

TEST NUMBER: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	21.6	22.5	23.6	24.1	25.6	26.9
45.5°	20.6	21.3	22.4	22.9	24.1	25.1
46°	19.7	20.3	21.2	21.8	22.8	23.7
46.5°	19.0	19.5	20.2	20.8	21.7	22.4
47°	18.3	18.7	19.5	20.0	20.7	21.3
47.5°	17.7	18.1	18.8	19.2	19.8	20.4
48°	17.2	17.5	18.1	18.6	19.1	19.6
48.5°	16.7	16.9	17.5	17.9	18.4	18.9
49°	16.2	16.4	17.0	17.4	17.9	18.2
49.5°	15.7	16.0	16.5	16.9	17.3	17.6
50°	15.4	15.6	16.0	16.5	16.8	17.1
50.5°	15.0	15.2	15.6	16.0	16.3	16.5
51°	14.7	14.8	15.2	15.6	15.9	16.1
51.5°	14.3	14.5	14.9	15.2	15.5	15.6
52°	14.0	14.2	14.5	14.9	15.1	15.2
52.5°	13.7	13.9	14.2	14.5	14.8	14.8
53°	13.5	13.6	14.0	14.3	14.4	14.5
53.5°	13.2	13.4	13.7	14.0	14.1	14.2
54°	13.0	13.1	13.5	13.7	13.9	13.9
54.5°	12.8	12.9	13.2	13.5	13.6	13.6
55°	12.5	12.6	13.0	13.2	13.4	13.4
55.5°	12.4	12.4	12.8	13.0	13.1	13.1
56°	12.1	12.3	12.6	12.8	12.9	12.9
56.5°	12.0	12.1	12.4	12.6	12.7	12.6
57°	11.8	11.9	12.2	12.4	12.5	12.4
57.5°	11.6	11.7	12.1	12.2	12.3	12.2
58°	11.4	11.6	11.9	12.1	12.1	12.0
58.5°	11.3	11.4	11.7	11.9	11.9	11.8
59°	11.1	11.3	11.5	11.7	11.7	11.6
59.5°	11.0	11.1	11.4	11.5	11.6	11.4
60°	10.8	11.0	11.3	11.4	11.4	11.3
60.5°	10.6	10.8	11.1	11.2	11.2	11.1
61°	10.5	10.7	10.9	11.1	11.1	11.0
61.5°	10.3	10.5	10.8	10.9	10.9	10.8
62°	10.2	10.4	10.7	10.7	10.8	10.7
62.5°	10.0	10.2	10.5	10.6	10.6	10.5
63°	9.9	10.1	10.4	10.5	10.5	10.3
63.5°	9.7	10.0	10.2	10.3	10.3	10.2
64°	9.6	9.8	10.1	10.2	10.2	10.0
64.5°	9.5	9.7	9.9	10.1	10.0	9.9
65°	9.3	9.5	9.8	9.9	9.9	9.7
65.5°	9.2	9.4	9.7	9.8	9.7	9.6
66°	9.0	9.2	9.5	9.6	9.6	9.4
66.5°	8.9	9.1	9.4	9.5	9.4	9.3
67°	8.7	9.0	9.2	9.3	9.3	9.2

TEST NUMBER: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	8.6	8.8	9.1	9.2	9.2	9.0
68°	8.5	8.7	9.0	9.1	9.1	8.9
68.5°	8.3	8.5	8.9	9.0	8.9	8.7
69°	8.2	8.4	8.7	8.8	8.8	8.6
69.5°	8.0	8.3	8.6	8.7	8.6	8.5
70°	7.9	8.1	8.5	8.6	8.5	8.3
70.5°	7.7	8.0	8.3	8.4	8.4	8.2
71°	7.6	7.9	8.2	8.3	8.2	8.1
71.5°	7.4	7.7	8.0	8.1	8.1	7.9
72°	7.3	7.6	7.9	8.0	8.0	7.8
72.5°	7.2	7.4	7.7	7.9	7.8	7.6
73°	7.0	7.3	7.6	7.7	7.7	7.5
73.5°	6.9	7.1	7.5	7.6	7.6	7.4
74°	6.7	7.0	7.3	7.4	7.4	7.2
74.5°	6.5	6.8	7.2	7.3	7.3	7.1
75°	6.3	6.7	7.0	7.2	7.1	6.9
75.5°	6.2	6.5	6.8	7.0	7.0	6.8
76°	6.0	6.3	6.7	6.8	6.8	6.7
76.5°	5.8	6.1	6.5	6.7	6.7	6.5
77°	5.6	5.9	6.3	6.5	6.5	6.3
77.5°	5.3	5.7	6.1	6.3	6.3	6.2
78°	5.0	5.5	5.8	6.1	6.1	6.0
78.5°	4.7	5.2	5.6	5.8	5.9	5.8
79°	4.4	4.8	5.3	5.6	5.7	5.6
79.5°	3.8	4.4	5.0	5.3	5.4	5.3
80°	3.2	3.9	4.6	5.0	5.1	5.1
80.5°	2.6	3.2	4.0	4.5	4.8	4.8
81°	1.9	2.6	3.3	4.0	4.3	4.4
81.5°	1.3	1.8	2.5	3.2	3.6	3.8
82°	0.9	1.2	1.8	2.5	2.9	3.1
82.5°	0.7	0.8	1.1	1.6	2.2	2.5
83°	0.7	0.7	0.8	1.1	1.4	1.8
83.5°	0.6	0.7	0.7	0.8	0.9	1.1
84°	0.6	0.6	0.7	0.7	0.8	0.9
84.5°	0.5	0.6	0.6	0.7	0.7	0.8
85°	0.5	0.5	0.6	0.6	0.7	0.7
85.5°	0.4	0.5	0.5	0.6	0.6	0.6
86°	0.4	0.4	0.5	0.5	0.6	0.6
86.5°	0.3	0.4	0.4	0.5	0.5	0.5
87°	0.3	0.3	0.4	0.4	0.5	0.5
87.5°	0.2	0.3	0.3	0.4	0.4	0.4
88°	0.2	0.2	0.3	0.3	0.4	0.4
88.5°	0.1	0.2	0.2	0.3	0.3	0.4
89°	0.1	0.1	0.2	0.2	0.3	0.3
89.5°	0.1	0.1	0.1	0.2	0.2	0.2



TEST NUMBER: P979257
CATALOG NUMBER: PRLX-CYL2-X-940-15L-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: P979257

CATALOG NUMBER: PRLX-CYL2-X-940-15L-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	9.43	10.36	9.80	10.67	10.99	9.01	9.93	9.37	10.24	10.56
	3H	11.60	12.42	11.99	12.75	13.12	10.86	11.68	11.25	12.01	12.38
	4H	12.66	13.41	13.06	13.76	14.16	11.70	12.45	12.10	12.80	13.20
	6H	13.62	14.31	14.04	14.68	15.08	12.37	13.05	12.78	13.43	13.83
	8H	13.84	14.49	14.28	14.88	15.29	12.44	13.08	12.88	13.48	13.89
	12H	13.81	14.43	14.25	14.81	15.24	12.40	13.02	12.84	13.40	13.83
4H	2H	10.01	10.76	10.42	11.12	11.51	9.54	10.30	9.95	10.65	11.04
	3H	12.44	13.06	12.86	13.47	13.87	11.66	12.27	12.07	12.68	13.09
	4H	13.66	14.21	14.10	14.63	15.08	12.64	13.19	13.08	13.61	14.06
	6H	14.78	15.25	15.26	15.70	16.18	13.45	13.92	13.92	14.37	14.85
	8H	15.03	15.47	15.51	15.92	16.39	13.53	13.97	14.01	14.42	14.90
	12H	15.00	15.37	15.49	15.86	16.34	13.50	13.87	13.99	14.36	14.84
8H	4H	14.04	14.48	14.52	14.93	15.40	13.01	13.44	13.48	13.89	14.37
	6H	15.32	15.66	15.83	16.17	16.66	13.94	14.28	14.45	14.79	15.28
	8H	15.60	15.90	16.13	16.42	16.92	14.05	14.35	14.59	14.88	15.37
	12H	15.59	15.85	16.11	16.35	16.93	14.04	14.30	14.57	14.80	15.38
12H	4H	14.06	14.43	14.55	14.92	15.40	13.03	13.40	13.52	13.89	14.37
	6H	15.35	15.66	15.89	16.18	16.68	13.98	14.28	14.51	14.80	15.30
	8H	15.65	15.91	16.17	16.41	16.99	14.11	14.37	14.64	14.87	15.45

END OF REPORT