

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: P979241

Luminaire Tested: PRLX-CYL2-X-930-15L-NF-U-S-X-X-WHTE

Issue Date: 4/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P979241
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-930-15L-NF-U-S-X-X-WHTE
Description: PrentaLux 2-INCH CYLINDER, NARROW FLOOD OPTIC
1500 LUMENS
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

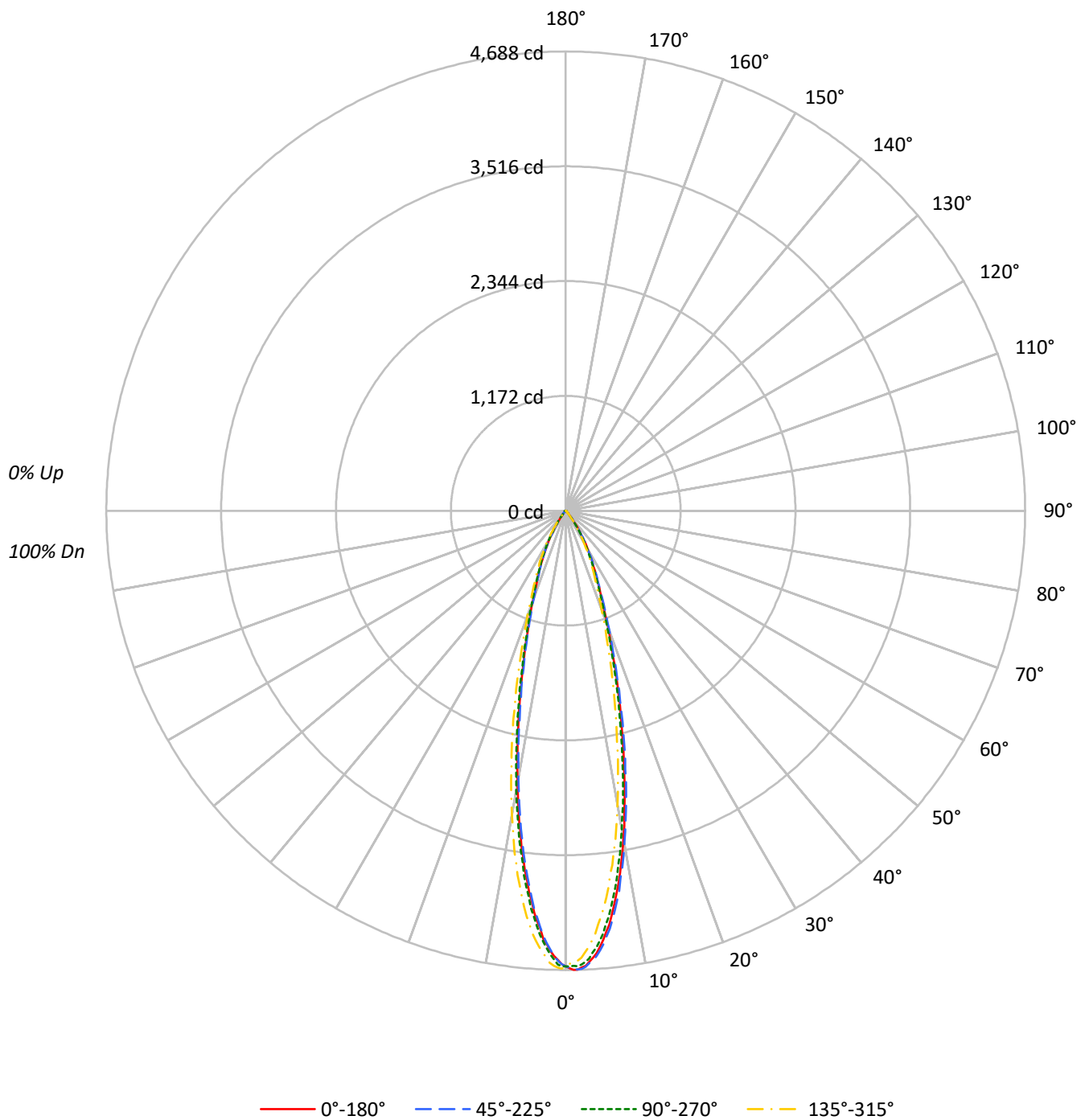
Lumens per Lamp: N/A
Luminaire Lumens: 1365.4 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.47
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-NF-U-S-X-X-WHTE

Luminous Intensity Polar Plot



TEST NUMBER: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91		
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87		
4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	86	84	83		
5	98	91	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80		
6	95	88	83	79	93	87	82	79	86	82	79	84	81	78	83	80	78	76		
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	74		
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71		
9	86	78	73	70	85	77	73	70	77	73	70	76	72	70	75	72	69	68		
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	1445711	1445711	1445711	1445711
5°	1370748	1352966	1248460	1269361
10°	1069453	1043577	892736	914826
15°	702347	681113	551132	569471
20°	416041	401490	322978	335677
25°	253471	242155	199636	208345
30°	160298	146231	113181	123623
35°	79936	69389	46436	54252
40°	27221	24787	16633	18743
45°	10900	10856	8790	9142
50°	7639	7542	6914	6962
55°	6718	6393	6177	6339
60°	6526	5967	5905	6340
65°	6692	5809	5809	6471
70°	6996	5815	5906	6815
75°	7685	6004	6004	7445
80°	8411	5727	3937	6443
85°	2496	2139	1426	1783

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 11471 cd/sqm

TEST NUMBER: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-NF-U-S-X-X-WHTE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.1	26.7
10°-20°	536.3	39.3
20°-30°	308.2	22.6
30°-40°	109.9	8.1
40°-50°	19.9	1.5
50°-60°	10.8	0.8
60°-70°	8.4	0.6
70°-80°	5.9	0.4
80°-90°	1.0	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°	1209.6	88.6
0°-40°	1319.5	96.6
0°-60°	1350.2	98.9
0°-90°	1365.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1365.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4652	4652	4652	4652	4652	
5°	4394	4337	4002	4069	4405	387
15°	2183	2117	1713	1770	2189	598
25°	739	706	582	608	740	348
35°	211	183	122	143	211	137
45°	25	25	20	21	25	23
55°	12	12	11	12	12	11
65°	9	8	8	9	9	9
75°	6	5	5	6	6	7
85°	1	1	0	0	1	2
90°	0	0	0	0	0	

TEST NUMBER: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-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°	4652.0	4652.0	4652.0	4652.0	4652.0	4652.0	4652.0	4652.0	4652.0	4652.0	4652.0
0.5°	4674.0	4676.0	4668.0	4656.0	4651.0	4640.0	4624.0	4628.0	4627.0	4630.0	4627.0
1°	4688.0	4688.0	4680.0	4664.0	4648.0	4644.0	4616.0	4607.0	4585.0	4590.0	4596.0
1.5°	4685.0	4681.0	4684.0	4658.0	4650.0	4623.0	4593.0	4564.0	4548.0	4538.0	4548.0
2°	4665.0	4678.0	4680.0	4649.0	4636.0	4593.0	4564.0	4521.0	4493.0	4474.0	4487.0
2.5°	4650.0	4669.0	4658.0	4639.0	4612.0	4555.0	4514.0	4468.0	4428.0	4414.0	4417.0
3°	4614.0	4635.0	4623.0	4607.0	4578.0	4521.0	4460.0	4403.0	4376.0	4353.0	4346.0
3.5°	4571.0	4596.0	4602.0	4562.0	4517.0	4467.0	4392.0	4338.0	4273.0	4262.0	4260.0
4°	4529.0	4559.0	4551.0	4517.0	4470.0	4399.0	4332.0	4247.0	4193.0	4167.0	4165.0
4.5°	4467.0	4495.0	4497.0	4468.0	4412.0	4337.0	4236.0	4173.0	4117.0	4082.0	4079.0
5°	4394.0	4442.0	4436.0	4398.0	4337.0	4252.0	4156.0	4073.0	4002.0	3979.0	3964.0
5.5°	4317.0	4366.0	4360.0	4328.0	4255.0	4161.0	4069.0	3971.0	3910.0	3866.0	3862.0
6°	4247.0	4288.0	4294.0	4244.0	4173.0	4071.0	3970.0	3869.0	3789.0	3755.0	3755.0
6.5°	4148.0	4205.0	4203.0	4161.0	4074.0	3979.0	3869.0	3760.0	3694.0	3641.0	3630.0
7°	4059.0	4110.0	4108.0	4066.0	3977.0	3867.0	3739.0	3648.0	3557.0	3524.0	3523.0
7.5°	3959.0	4019.0	4013.0	3967.0	3876.0	3762.0	3650.0	3529.0	3448.0	3401.0	3393.0
8°	3854.0	3913.0	3921.0	3865.0	3772.0	3655.0	3522.0	3410.0	3320.0	3282.0	3280.0
8.5°	3741.0	3795.0	3795.0	3743.0	3648.0	3540.0	3412.0	3290.0	3214.0	3149.0	3153.0
9°	3625.0	3686.0	3693.0	3647.0	3542.0	3411.0	3286.0	3172.0	3073.0	3034.0	3024.0
9.5°	3510.0	3578.0	3578.0	3520.0	3412.0	3298.0	3165.0	3047.0	2954.0	2907.0	2905.0
10°	3389.0	3448.0	3453.0	3392.0	3307.0	3176.0	3049.0	2919.0	2829.0	2780.0	2782.0
10.5°	3272.0	3326.0	3338.0	3280.0	3169.0	3048.0	2922.0	2803.0	2709.0	2664.0	2651.0
11°	3146.0	3203.0	3206.0	3155.0	3057.0	2931.0	2791.0	2681.0	2587.0	2533.0	2531.0
11.5°	3015.0	3084.0	3083.0	3032.0	2935.0	2808.0	2677.0	2554.0	2465.0	2413.0	2415.0
12°	2891.0	2955.0	2967.0	2908.0	2807.0	2682.0	2557.0	2433.0	2344.0	2305.0	2300.0
12.5°	2772.0	2822.0	2837.0	2781.0	2680.0	2561.0	2431.0	2316.0	2233.0	2186.0	2180.0
13°	2646.0	2702.0	2706.0	2652.0	2568.0	2439.0	2310.0	2198.0	2121.0	2070.0	2062.0
13.5°	2524.0	2587.0	2592.0	2549.0	2454.0	2329.0	2204.0	2093.0	2009.0	1966.0	1965.0
14°	2408.0	2473.0	2474.0	2426.0	2332.0	2225.0	2099.0	1989.0	1903.0	1867.0	1862.0
14.5°	2290.0	2348.0	2360.0	2307.0	2222.0	2110.0	1993.0	1890.0	1813.0	1772.0	1766.0
15°	2183.0	2230.0	2236.0	2197.0	2117.0	1998.0	1886.0	1786.0	1713.0	1672.0	1669.0
15.5°	2070.0	2123.0	2129.0	2088.0	2003.0	1897.0	1783.0	1692.0	1615.0	1580.0	1570.0
16°	1963.0	2012.0	2016.0	1979.0	1899.0	1798.0	1689.0	1598.0	1528.0	1496.0	1491.0
16.5°	1856.0	1906.0	1916.0	1873.0	1797.0	1704.0	1599.0	1512.0	1448.0	1416.0	1409.0
17°	1756.0	1805.0	1813.0	1778.0	1704.0	1611.0	1512.0	1430.0	1366.0	1337.0	1332.0
17.5°	1665.0	1706.0	1708.0	1680.0	1613.0	1520.0	1427.0	1350.0	1288.0	1261.0	1255.0
18°	1574.0	1613.0	1620.0	1584.0	1516.0	1437.0	1345.0	1270.0	1217.0	1192.0	1189.0
18.5°	1485.0	1524.0	1531.0	1497.0	1434.0	1359.0	1273.0	1204.0	1146.0	1124.0	1123.0
19°	1401.0	1440.0	1445.0	1419.0	1362.0	1284.0	1204.0	1138.0	1087.0	1065.0	1062.0
19.5°	1330.0	1368.0	1374.0	1343.0	1286.0	1216.0	1140.0	1077.0	1034.0	1012.0	1011.0
20°	1258.0	1288.0	1297.0	1267.0	1214.0	1147.0	1076.0	1017.0	976.6	954.9	957.0
20.5°	1186.0	1220.0	1222.0	1199.0	1150.0	1086.0	1019.0	964.6	921.5	905.0	906.7
21°	1125.0	1150.0	1154.0	1135.0	1086.0	1029.0	965.9	915.2	876.6	860.2	860.2
21.5°	1064.0	1087.0	1091.0	1072.0	1026.0	971.3	912.6	865.7	832.6	813.8	816.2
22°	1008.0	1032.0	1033.0	1011.0	969.1	918.8	864.3	820.3	788.5	774.8	776.0

TEST NUMBER: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-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°	953.2	977.4	978.2	957.3	918.7	872.8	822.0	780.1	750.0	736.8	738.0
23°	909.2	925.1	926.7	908.0	871.7	826.0	779.8	741.8	714.8	701.3	703.5
23.5°	860.3	873.8	878.6	859.9	826.3	784.5	739.4	704.4	678.9	665.3	669.5
24°	817.0	833.1	834.8	816.7	782.1	745.5	703.3	668.2	644.2	634.1	638.4
24.5°	777.2	789.4	790.9	774.5	742.7	708.7	668.0	633.9	613.5	603.1	607.4
25°	739.2	750.1	747.9	734.2	706.2	672.2	634.9	603.2	582.2	572.5	575.4
25.5°	705.0	713.9	714.3	696.2	669.3	638.8	602.4	573.5	553.3	543.4	546.7
26°	672.9	681.3	680.0	662.3	635.2	606.8	572.2	544.4	525.1	515.1	520.4
26.5°	637.5	645.2	644.7	628.6	603.2	575.8	541.7	514.4	496.3	487.1	492.2
27°	606.3	611.7	612.3	597.4	572.9	543.0	512.6	486.2	468.8	459.6	464.2
27.5°	580.7	583.3	580.8	567.7	542.0	515.0	486.2	457.7	441.3	433.3	438.4
28°	552.3	555.6	553.1	538.0	514.6	487.1	458.8	430.9	415.9	406.6	412.9
28.5°	523.6	527.4	525.4	507.7	485.7	460.0	429.4	404.1	390.2	380.0	387.6
29°	497.7	500.0	498.3	480.1	458.6	433.2	403.9	379.2	364.6	355.6	362.0
29.5°	472.7	472.9	471.4	454.9	432.6	406.4	378.5	354.3	339.6	331.5	337.0
30°	446.7	448.6	445.1	429.3	407.5	380.0	353.6	329.3	315.4	308.1	312.7
30.5°	420.6	424.2	419.9	403.5	382.3	355.5	329.9	305.0	293.1	285.1	290.1
31°	396.4	399.2	393.8	377.3	356.9	330.9	305.7	281.2	269.8	261.4	267.7
31.5°	371.1	372.9	368.0	351.5	330.6	306.9	282.7	258.6	247.0	239.0	245.2
32°	347.3	348.1	344.3	328.0	307.7	284.0	259.5	237.0	225.2	218.6	224.4
32.5°	321.7	323.5	320.2	303.8	284.5	260.9	237.1	215.7	204.7	198.8	204.0
33°	298.5	299.8	296.8	280.5	263.3	238.8	216.6	196.7	185.5	179.6	184.9
33.5°	275.7	278.0	274.3	259.0	241.3	219.0	197.7	179.4	168.6	163.3	167.2
34°	253.5	255.7	251.5	237.9	219.8	200.1	180.4	161.6	152.3	147.6	150.5
34.5°	232.8	234.4	230.6	216.7	200.9	182.0	163.2	145.6	136.7	133.0	135.4
35°	210.7	213.2	209.5	197.3	182.9	164.2	147.0	130.9	122.4	118.6	121.1
35.5°	190.7	193.0	189.7	179.0	165.6	147.6	132.2	117.1	109.0	105.8	108.1
36°	172.2	174.6	171.5	162.1	149.1	132.3	118.1	104.6	97.5	94.2	96.8
36.5°	154.1	156.7	153.4	144.9	133.3	118.8	105.8	93.7	86.9	84.0	85.8
37°	137.6	140.5	137.4	129.5	119.1	106.5	94.7	83.7	77.8	75.1	76.3
37.5°	122.8	125.8	122.9	116.3	106.7	94.9	84.4	74.8	69.6	67.4	68.2
38°	109.2	111.8	109.6	103.8	95.4	85.5	75.8	66.8	62.0	60.2	60.9
38.5°	97.1	99.7	97.9	93.6	85.6	76.5	67.6	60.0	55.6	54.0	54.7
39°	86.0	88.6	86.5	82.7	76.1	68.4	60.8	54.2	49.9	48.8	49.1
39.5°	76.0	78.5	76.8	73.6	68.3	61.3	54.9	48.9	45.2	44.2	44.2
40°	67.1	69.8	68.7	65.6	61.1	55.0	49.3	44.3	41.0	40.0	40.1
40.5°	59.2	61.7	60.8	58.4	54.8	49.5	44.6	40.1	37.3	36.4	36.5
41°	52.6	54.8	54.0	52.1	49.2	44.8	40.5	36.4	34.1	33.3	33.4
41.5°	46.8	49.2	48.8	46.8	44.4	40.6	36.8	33.1	31.2	30.6	30.7
42°	41.8	43.6	43.3	41.9	40.2	37.0	33.7	30.4	28.6	28.1	28.2
42.5°	37.6	39.2	39.3	38.2	36.5	33.9	30.7	28.0	26.5	26.1	26.1
43°	34.1	35.7	35.8	35.0	33.6	31.2	28.6	26.0	24.7	24.4	24.5
43.5°	31.2	32.5	32.6	32.2	30.9	28.8	26.5	24.4	23.2	22.9	23.0
44°	28.9	30.1	30.3	29.8	28.6	26.6	24.6	22.9	22.1	21.7	21.7
44.5°	26.7	27.8	27.9	27.5	26.6	24.9	23.2	21.7	21.0	20.7	20.7

TEST NUMBER: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-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°	24.8	25.8	26.1	25.5	24.7	23.4	21.9	20.6	20.0	19.7	19.7
45.5°	23.2	24.0	24.3	23.9	23.2	22.0	20.8	19.6	19.1	18.8	18.8
46°	21.9	22.6	22.8	22.5	21.9	20.8	19.8	18.8	18.3	18.1	18.0
46.5°	20.8	21.4	21.6	21.3	20.7	19.9	18.9	18.0	17.6	17.5	17.4
47°	19.8	20.3	20.4	20.2	19.7	18.9	18.1	17.4	17.0	16.8	16.8
47.5°	18.9	19.3	19.5	19.3	18.8	18.1	17.4	16.7	16.4	16.2	16.2
48°	18.2	18.5	18.7	18.5	18.0	17.4	16.8	16.2	15.9	15.8	15.8
48.5°	17.5	17.8	18.0	17.7	17.3	16.8	16.2	15.7	15.5	15.3	15.3
49°	16.9	17.2	17.3	17.1	16.7	16.2	15.8	15.2	15.0	14.9	14.9
49.5°	16.3	16.6	16.6	16.5	16.2	15.7	15.3	14.8	14.6	14.5	14.5
50°	15.8	16.0	16.1	15.9	15.6	15.2	14.9	14.4	14.3	14.2	14.2
50.5°	15.4	15.5	15.6	15.4	15.1	14.7	14.4	14.1	13.9	13.8	13.9
51°	14.9	15.1	15.1	14.9	14.6	14.3	14.0	13.7	13.6	13.5	13.5
51.5°	14.5	14.6	14.7	14.5	14.2	13.9	13.6	13.3	13.2	13.2	13.2
52°	14.1	14.2	14.2	14.0	13.8	13.5	13.3	13.0	12.9	12.9	12.9
52.5°	13.8	13.8	13.8	13.7	13.4	13.2	13.0	12.7	12.6	12.6	12.7
53°	13.4	13.5	13.4	13.3	13.0	12.8	12.7	12.4	12.3	12.4	12.4
53.5°	13.1	13.1	13.1	12.9	12.7	12.5	12.4	12.1	12.2	12.1	12.2
54°	12.9	12.9	12.8	12.6	12.4	12.2	12.1	11.9	11.9	11.9	12.0
54.5°	12.6	12.6	12.5	12.3	12.1	12.0	11.8	11.7	11.6	11.7	11.8
55°	12.4	12.3	12.2	12.1	11.8	11.7	11.5	11.4	11.4	11.5	11.6
55.5°	12.1	12.0	12.0	11.8	11.6	11.4	11.3	11.2	11.2	11.3	11.4
56°	11.9	11.8	11.7	11.5	11.3	11.2	11.1	10.9	11.0	11.1	11.2
56.5°	11.7	11.6	11.4	11.2	11.0	10.9	10.8	10.7	10.8	10.8	11.0
57°	11.5	11.4	11.2	11.0	10.8	10.7	10.6	10.5	10.6	10.7	10.8
57.5°	11.3	11.1	11.0	10.8	10.6	10.5	10.4	10.3	10.4	10.5	10.6
58°	11.1	11.0	10.8	10.6	10.4	10.3	10.2	10.1	10.2	10.4	10.5
58.5°	10.9	10.8	10.6	10.4	10.2	10.1	10.0	10.0	10.0	10.2	10.3
59°	10.8	10.6	10.4	10.1	10.0	9.9	9.8	9.8	9.9	10.0	10.2
59.5°	10.6	10.4	10.2	9.9	9.8	9.7	9.6	9.6	9.7	9.8	10.0
60°	10.5	10.2	10.0	9.7	9.6	9.5	9.4	9.4	9.5	9.7	9.8
60.5°	10.3	10.0	9.8	9.6	9.4	9.3	9.3	9.2	9.3	9.5	9.7
61°	10.2	9.9	9.6	9.4	9.2	9.1	9.1	9.0	9.2	9.3	9.5
61.5°	10.0	9.8	9.5	9.2	9.0	8.9	8.9	8.9	9.0	9.2	9.4
62°	9.9	9.6	9.3	9.0	8.9	8.8	8.7	8.7	8.8	9.0	9.3
62.5°	9.7	9.5	9.1	8.9	8.7	8.6	8.6	8.5	8.7	8.9	9.1
63°	9.6	9.3	9.0	8.7	8.5	8.4	8.4	8.4	8.5	8.7	9.0
63.5°	9.5	9.1	8.8	8.5	8.3	8.3	8.2	8.2	8.4	8.6	8.8
64°	9.3	9.0	8.7	8.4	8.2	8.1	8.1	8.0	8.2	8.4	8.7
64.5°	9.2	8.9	8.5	8.2	8.0	7.9	7.9	7.9	8.0	8.3	8.5
65°	9.1	8.7	8.4	8.1	7.9	7.8	7.7	7.8	7.9	8.2	8.4
65.5°	8.9	8.6	8.2	7.9	7.7	7.6	7.6	7.6	7.7	8.0	8.2
66°	8.7	8.5	8.1	7.7	7.6	7.4	7.4	7.5	7.6	7.8	8.1
66.5°	8.6	8.3	8.0	7.6	7.4	7.3	7.3	7.3	7.5	7.7	8.0
67°	8.5	8.2	7.8	7.5	7.2	7.1	7.1	7.2	7.3	7.6	7.9

TEST NUMBER: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-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°	8.4	8.0	7.6	7.3	7.1	7.0	7.0	7.0	7.2	7.4	7.7
68°	8.2	7.9	7.5	7.2	7.0	6.9	6.8	6.9	7.0	7.3	7.6
68.5°	8.1	7.8	7.4	7.0	6.8	6.7	6.7	6.7	6.9	7.2	7.4
69°	7.9	7.6	7.3	6.9	6.7	6.6	6.5	6.6	6.8	7.0	7.3
69.5°	7.9	7.5	7.2	6.8	6.5	6.4	6.4	6.5	6.6	6.9	7.2
70°	7.7	7.4	7.0	6.6	6.4	6.3	6.2	6.3	6.5	6.7	7.0
70.5°	7.6	7.3	6.9	6.5	6.2	6.1	6.1	6.2	6.3	6.6	6.9
71°	7.5	7.1	6.7	6.4	6.1	6.0	6.0	6.0	6.2	6.4	6.8
71.5°	7.4	7.0	6.6	6.2	6.0	5.9	5.8	5.9	6.1	6.3	6.6
72°	7.2	6.9	6.5	6.1	5.8	5.7	5.7	5.7	5.9	6.2	6.5
72.5°	7.1	6.8	6.4	6.0	5.7	5.6	5.5	5.6	5.8	6.0	6.3
73°	7.0	6.6	6.2	5.9	5.6	5.4	5.4	5.5	5.6	5.9	6.2
73.5°	6.8	6.5	6.1	5.7	5.4	5.3	5.3	5.3	5.5	5.7	6.1
74°	6.7	6.4	6.0	5.6	5.3	5.2	5.1	5.2	5.3	5.6	5.9
74.5°	6.6	6.3	5.9	5.4	5.2	5.0	5.0	5.0	5.2	5.4	5.7
75°	6.4	6.1	5.7	5.3	5.0	4.9	4.8	4.9	5.0	5.2	5.6
75.5°	6.3	6.0	5.6	5.2	4.9	4.7	4.7	4.7	4.8	5.1	5.4
76°	6.2	5.8	5.4	5.0	4.7	4.6	4.5	4.6	4.7	4.9	5.2
76.5°	6.0	5.7	5.3	4.9	4.6	4.4	4.3	4.4	4.5	4.7	5.0
77°	5.9	5.6	5.2	4.8	4.4	4.2	4.2	4.2	4.3	4.5	4.8
77.5°	5.7	5.4	5.0	4.6	4.3	4.1	4.0	4.0	4.1	4.3	4.6
78°	5.5	5.2	4.8	4.4	4.1	3.9	3.8	3.8	3.8	4.0	4.3
78.5°	5.4	5.0	4.7	4.2	3.9	3.7	3.6	3.5	3.5	3.7	4.0
79°	5.2	4.9	4.5	4.1	3.7	3.4	3.3	3.2	3.2	3.3	3.6
79.5°	4.9	4.6	4.3	3.8	3.5	3.2	3.0	2.8	2.7	2.8	3.1
80°	4.7	4.4	4.0	3.6	3.2	2.9	2.6	2.4	2.2	2.3	2.6
80.5°	4.4	4.2	3.8	3.3	2.9	2.5	2.2	1.9	1.7	1.7	2.0
81°	4.0	3.8	3.4	3.0	2.5	2.1	1.8	1.4	1.2	1.2	1.4
81.5°	3.6	3.4	3.0	2.5	2.0	1.7	1.2	1.0	0.9	0.8	0.9
82°	2.9	2.8	2.5	2.0	1.6	1.2	1.0	0.8	0.7	0.7	0.7
82.5°	2.3	2.3	2.0	1.5	1.1	0.9	0.8	0.7	0.6	0.6	0.7
83°	1.6	1.7	1.4	1.0	0.9	0.8	0.7	0.6	0.6	0.6	0.6
83.5°	1.0	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.5	0.5	0.5
84°	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5
84.5°	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.4
85°	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4
85.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.3
86°	0.5	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3
86.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3
87°	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2
87.5°	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.2
88°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
88.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1
89°	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
89.5°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1



TEST NUMBER: P979241
CATALOG NUMBER: PRLX-CYL2-X-930-15L-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: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	4652.0	4652.0	4652.0	4652.0	4652.0	4652.0
0.5°	4651.0	4651.0	4658.0	4676.0	4678.0	4672.0
1°	4607.0	4632.0	4639.0	4664.0	4674.0	4672.0
1.5°	4559.0	4582.0	4609.0	4647.0	4648.0	4682.0
2°	4505.0	4532.0	4573.0	4617.0	4642.0	4668.0
2.5°	4442.0	4472.0	4523.0	4563.0	4614.0	4641.0
3°	4363.0	4408.0	4465.0	4518.0	4573.0	4614.0
3.5°	4292.0	4336.0	4394.0	4458.0	4523.0	4578.0
4°	4199.0	4251.0	4319.0	4395.0	4470.0	4520.0
4.5°	4107.0	4156.0	4238.0	4329.0	4405.0	4462.0
5°	4002.0	4069.0	4147.0	4240.0	4330.0	4405.0
5.5°	3894.0	3954.0	4050.0	4156.0	4251.0	4316.0
6°	3789.0	3855.0	3946.0	4058.0	4173.0	4248.0
6.5°	3668.0	3746.0	3850.0	3964.0	4067.0	4156.0
7°	3555.0	3619.0	3729.0	3854.0	3974.0	4058.0
7.5°	3433.0	3510.0	3618.0	3751.0	3872.0	3964.0
8°	3313.0	3393.0	3507.0	3636.0	3765.0	3857.0
8.5°	3196.0	3262.0	3386.0	3530.0	3644.0	3752.0
9°	3063.0	3148.0	3258.0	3406.0	3541.0	3637.0
9.5°	2943.0	3021.0	3148.0	3279.0	3421.0	3511.0
10°	2820.0	2899.0	3017.0	3164.0	3294.0	3401.0
10.5°	2696.0	2774.0	2892.0	3041.0	3177.0	3275.0
11°	2572.0	2653.0	2777.0	2918.0	3046.0	3151.0
11.5°	2453.0	2529.0	2651.0	2789.0	2928.0	3022.0
12°	2336.0	2416.0	2530.0	2668.0	2799.0	2902.0
12.5°	2213.0	2293.0	2405.0	2548.0	2673.0	2772.0
13°	2105.0	2176.0	2290.0	2430.0	2558.0	2654.0
13.5°	1999.0	2073.0	2180.0	2311.0	2437.0	2530.0
14°	1899.0	1961.0	2075.0	2204.0	2324.0	2410.0
14.5°	1802.0	1873.0	1967.0	2093.0	2214.0	2300.0
15°	1702.0	1770.0	1864.0	1981.0	2101.0	2189.0
15.5°	1607.0	1667.0	1764.0	1883.0	1992.0	2077.0
16°	1521.0	1581.0	1673.0	1779.0	1889.0	1963.0
16.5°	1438.0	1499.0	1582.0	1687.0	1787.0	1863.0
17°	1359.0	1418.0	1494.0	1593.0	1694.0	1767.0
17.5°	1287.0	1336.0	1408.0	1507.0	1600.0	1669.0
18°	1216.0	1262.0	1332.0	1422.0	1509.0	1578.0
18.5°	1148.0	1191.0	1264.0	1345.0	1425.0	1488.0
19°	1086.0	1128.0	1193.0	1268.0	1347.0	1408.0
19.5°	1029.0	1073.0	1129.0	1199.0	1277.0	1334.0
20°	977.7	1015.0	1069.0	1137.0	1207.0	1264.0
20.5°	928.0	960.1	1011.0	1079.0	1140.0	1191.0
21°	876.3	911.6	959.1	1018.0	1077.0	1126.0
21.5°	831.3	863.9	908.7	962.2	1016.0	1064.0
22°	792.5	819.7	861.1	913.9	962.4	1010.0

TEST NUMBER: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	755.8	780.6	820.0	871.6	914.3	955.1
23°	718.4	743.2	779.6	827.7	868.0	906.8
23.5°	682.3	705.3	742.1	785.8	822.9	862.0
24°	648.4	671.9	705.8	750.6	780.9	817.8
24.5°	617.7	638.9	670.5	716.7	743.5	778.9
25°	589.8	607.6	639.6	683.8	708.7	740.3
25.5°	560.2	577.9	608.8	653.2	675.9	704.3
26°	532.3	551.2	579.0	625.7	644.0	671.3
26.5°	503.7	524.4	549.3	596.6	612.9	639.8
27°	476.8	494.4	522.3	568.7	583.3	608.7
27.5°	450.7	468.2	496.2	542.3	555.5	581.3
28°	425.3	443.4	469.6	517.7	528.6	552.8
28.5°	399.6	417.7	443.4	493.0	501.7	523.5
29°	375.5	392.8	417.9	466.9	475.9	498.9
29.5°	350.0	368.6	393.2	442.0	452.2	473.2
30°	325.5	344.5	368.8	416.1	426.3	446.4
30.5°	302.4	320.8	345.4	390.9	401.2	421.9
31°	279.9	298.1	322.0	365.6	376.4	396.2
31.5°	257.0	275.4	298.0	339.7	352.3	372.0
32°	235.5	253.3	274.7	314.9	327.6	347.7
32.5°	214.7	232.1	252.8	290.2	303.2	322.5
33°	195.4	212.6	231.6	266.3	279.7	298.5
33.5°	177.3	193.8	211.8	243.7	258.1	276.0
34°	160.1	176.1	193.1	219.6	236.2	253.9
34.5°	144.6	159.1	174.6	198.4	214.9	232.6
35°	129.2	143.0	157.2	178.2	195.2	211.4
35.5°	115.3	127.6	141.2	158.9	175.7	191.4
36°	103.3	114.0	126.4	141.2	157.8	172.6
36.5°	91.6	102.1	113.1	124.8	141.3	155.2
37°	81.6	90.8	100.5	110.7	126.1	138.5
37.5°	72.8	81.0	89.6	97.3	112.0	123.0
38°	64.7	72.1	79.6	85.7	99.3	109.0
38.5°	57.8	64.3	70.7	75.8	88.0	97.4
39°	52.1	57.6	62.8	66.8	77.8	86.0
39.5°	46.8	51.6	56.2	59.2	69.0	76.2
40°	42.3	46.2	50.1	52.4	61.0	67.6
40.5°	38.2	41.5	44.9	46.7	54.0	59.7
41°	34.7	37.5	40.5	41.7	48.1	52.7
41.5°	31.8	34.1	36.6	37.5	42.8	47.0
42°	29.2	31.2	33.4	34.2	38.6	41.7
42.5°	27.0	28.7	30.6	31.3	34.8	37.6
43°	25.2	26.7	28.3	28.9	31.8	34.2
43.5°	23.6	24.9	26.4	26.9	29.3	31.3
44°	22.2	23.3	24.7	25.2	27.2	28.9
44.5°	21.1	22.0	23.2	23.7	25.5	26.8

TEST NUMBER: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	20.0	20.8	21.9	22.4	23.7	24.9
45.5°	19.1	19.7	20.7	21.2	22.3	23.3
46°	18.3	18.8	19.7	20.2	21.1	21.9
46.5°	17.5	18.0	18.7	19.3	20.1	20.8
47°	16.9	17.4	18.0	18.5	19.1	19.8
47.5°	16.3	16.7	17.4	17.8	18.3	18.9
48°	15.9	16.2	16.7	17.2	17.7	18.1
48.5°	15.4	15.7	16.2	16.6	17.1	17.5
49°	15.0	15.2	15.7	16.1	16.5	16.9
49.5°	14.6	14.8	15.2	15.6	16.0	16.3
50°	14.2	14.4	14.8	15.2	15.6	15.8
50.5°	13.9	14.1	14.5	14.8	15.1	15.3
51°	13.6	13.7	14.1	14.5	14.7	14.9
51.5°	13.3	13.4	13.8	14.1	14.3	14.5
52°	13.0	13.1	13.5	13.8	14.0	14.1
52.5°	12.7	12.8	13.2	13.5	13.7	13.7
53°	12.5	12.6	12.9	13.2	13.4	13.4
53.5°	12.2	12.4	12.7	12.9	13.1	13.1
54°	12.0	12.2	12.5	12.7	12.9	12.9
54.5°	11.8	11.9	12.2	12.5	12.6	12.6
55°	11.6	11.7	12.0	12.3	12.4	12.4
55.5°	11.4	11.5	11.8	12.0	12.1	12.1
56°	11.2	11.4	11.7	11.8	11.9	11.9
56.5°	11.1	11.2	11.5	11.7	11.7	11.7
57°	10.9	11.0	11.3	11.5	11.5	11.5
57.5°	10.7	10.9	11.2	11.3	11.4	11.3
58°	10.6	10.7	11.0	11.2	11.2	11.1
58.5°	10.4	10.6	10.8	11.0	11.0	11.0
59°	10.3	10.4	10.7	10.8	10.9	10.8
59.5°	10.1	10.3	10.5	10.7	10.7	10.6
60°	10.0	10.2	10.4	10.5	10.5	10.4
60.5°	9.8	10.0	10.2	10.4	10.4	10.3
61°	9.7	9.9	10.1	10.2	10.2	10.1
61.5°	9.6	9.7	10.0	10.1	10.1	10.0
62°	9.4	9.6	9.9	10.0	10.0	9.9
62.5°	9.3	9.5	9.7	9.8	9.8	9.7
63°	9.2	9.3	9.6	9.7	9.7	9.6
63.5°	9.0	9.2	9.5	9.6	9.5	9.4
64°	8.9	9.1	9.3	9.4	9.4	9.3
64.5°	8.8	8.9	9.2	9.3	9.3	9.2
65°	8.6	8.8	9.1	9.2	9.2	9.0
65.5°	8.5	8.7	9.0	9.0	9.0	8.9
66°	8.3	8.5	8.8	8.9	8.9	8.7
66.5°	8.2	8.5	8.7	8.8	8.7	8.6
67°	8.1	8.3	8.6	8.6	8.6	8.5

TEST NUMBER: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-NF-U-S-X-X-WHTE

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	8.0	8.2	8.4	8.5	8.5	8.4
68°	7.8	8.0	8.3	8.4	8.4	8.2
68.5°	7.7	7.9	8.2	8.3	8.3	8.1
69°	7.6	7.8	8.1	8.1	8.1	8.0
69.5°	7.4	7.7	7.9	8.0	8.0	7.8
70°	7.3	7.5	7.8	7.9	7.9	7.7
70.5°	7.2	7.4	7.7	7.8	7.7	7.6
71°	7.0	7.3	7.6	7.7	7.6	7.5
71.5°	6.9	7.2	7.4	7.5	7.5	7.3
72°	6.8	7.0	7.3	7.4	7.4	7.2
72.5°	6.6	6.9	7.2	7.3	7.3	7.1
73°	6.5	6.8	7.1	7.2	7.1	6.9
73.5°	6.4	6.6	6.9	7.0	7.0	6.8
74°	6.2	6.5	6.8	6.9	6.9	6.7
74.5°	6.0	6.3	6.6	6.8	6.7	6.6
75°	5.9	6.2	6.5	6.6	6.6	6.4
75.5°	5.7	6.0	6.3	6.5	6.5	6.3
76°	5.5	5.9	6.2	6.3	6.3	6.2
76.5°	5.4	5.7	6.0	6.2	6.2	6.0
77°	5.1	5.5	5.8	6.0	6.0	5.9
77.5°	4.9	5.3	5.6	5.8	5.9	5.7
78°	4.7	5.1	5.4	5.6	5.7	5.5
78.5°	4.4	4.8	5.2	5.4	5.5	5.4
79°	4.0	4.5	4.9	5.2	5.3	5.2
79.5°	3.6	4.1	4.6	4.9	5.0	4.9
80°	3.0	3.6	4.2	4.6	4.8	4.7
80.5°	2.4	3.0	3.7	4.2	4.4	4.4
81°	1.8	2.4	3.1	3.7	4.0	4.0
81.5°	1.2	1.6	2.4	3.0	3.4	3.5
82°	0.8	1.1	1.6	2.3	2.7	2.9
82.5°	0.7	0.7	1.0	1.5	2.0	2.3
83°	0.6	0.7	0.8	1.0	1.3	1.7
83.5°	0.6	0.6	0.7	0.8	0.9	1.0
84°	0.5	0.6	0.6	0.7	0.7	0.8
84.5°	0.5	0.5	0.6	0.6	0.7	0.7
85°	0.4	0.5	0.5	0.6	0.6	0.7
85.5°	0.4	0.4	0.5	0.5	0.6	0.6
86°	0.3	0.4	0.4	0.5	0.5	0.6
86.5°	0.3	0.3	0.4	0.4	0.5	0.5
87°	0.3	0.3	0.3	0.4	0.4	0.5
87.5°	0.2	0.2	0.3	0.3	0.4	0.4
88°	0.2	0.2	0.2	0.3	0.3	0.4
88.5°	0.1	0.2	0.2	0.3	0.3	0.3
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: P979241
CATALOG NUMBER: PRLX-CYL2-X-930-15L-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: P979241

CATALOG NUMBER: PRLX-CYL2-X-930-15L-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	9.17	10.10	9.54	10.41	10.72	8.77	9.69	9.13	10.00	10.32
	3H	11.35	12.17	11.74	12.50	12.87	10.59	11.41	10.98	11.74	12.11
	4H	12.41	13.16	12.81	13.51	13.91	11.43	12.18	11.84	12.54	12.93
	6H	13.36	14.05	13.78	14.43	14.82	12.11	12.80	12.53	13.18	13.58
	8H	13.58	14.22	14.02	14.62	15.03	12.19	12.83	12.63	13.23	13.64
	12H	13.55	14.16	13.98	14.55	14.98	12.15	12.77	12.59	13.15	13.58
4H	2H	9.75	10.50	10.16	10.86	11.25	9.30	10.05	9.71	10.41	10.80
	3H	12.18	12.80	12.60	13.21	13.62	11.39	12.00	11.80	12.41	12.82
	4H	13.40	13.95	13.84	14.38	14.83	12.37	12.92	12.81	13.35	13.80
	6H	14.52	14.99	14.99	15.44	15.92	13.19	13.66	13.67	14.11	14.59
	8H	14.76	15.20	15.24	15.65	16.13	13.28	13.71	13.76	14.17	14.64
	12H	14.73	15.11	15.23	15.60	16.08	13.25	13.62	13.74	14.11	14.59
8H	4H	13.78	14.22	14.26	14.67	15.15	12.74	13.18	13.22	13.63	14.11
	6H	15.06	15.40	15.57	15.91	16.39	13.69	14.03	14.20	14.53	15.02
	8H	15.33	15.64	15.87	16.16	16.66	13.79	14.10	14.33	14.62	15.12
	12H	15.33	15.59	15.85	16.09	16.67	13.79	14.04	14.31	14.54	15.13
12H	4H	13.81	14.18	14.30	14.67	15.15	12.76	13.14	13.26	13.63	14.11
	6H	15.09	15.40	15.63	15.92	16.42	13.72	14.02	14.25	14.55	15.04
	8H	15.39	15.65	15.91	16.15	16.73	13.85	14.11	14.38	14.61	15.19

END OF REPORT