

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: METALUX

Report Number: P893342

Luminaire Tested: 4MB-2SL-RNDU-UNV-L935

Issue Date: 11/11/2024

**Test Information**

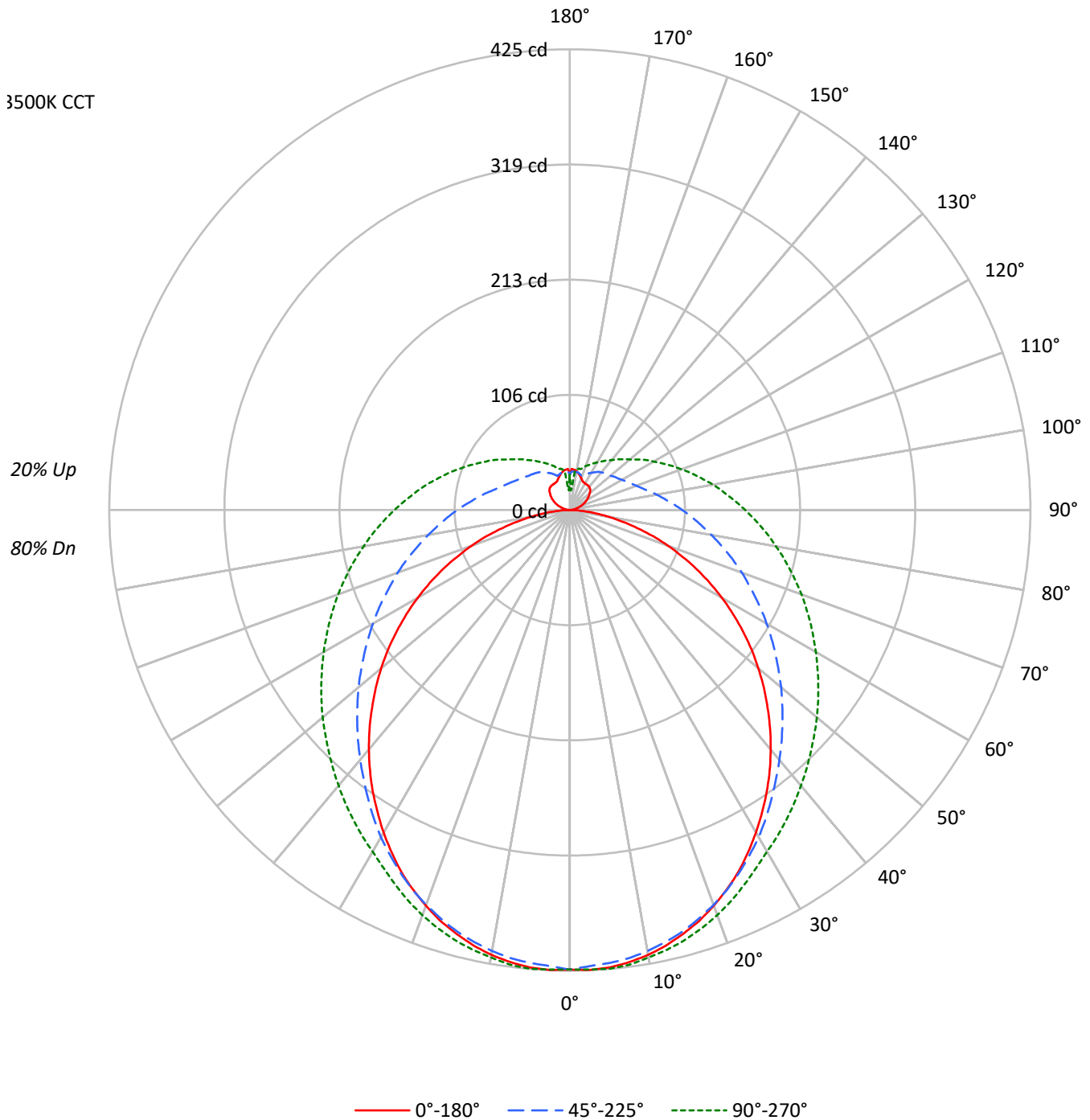
Test Method: LM-79-2019  
Report Number: P893342  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-2SL-RNDU-UNV-L935  
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1783.0 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.98' x H: 0.21')  
CIE Type: Semi-Direct  
  
Input Watts (W): 13.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 5.92  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P893342  
CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P893342

CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L935

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3016	3016	3016
5°	3011	2889	2895
10°	2983	2776	2761
15°	2939	2662	2637
20°	2886	2542	2511
25°	2822	2421	2384
30°	2740	2300	2271
35°	2656	2174	2188
40°	2566	2061	2112
45°	2468	1960	2045
50°	2366	1871	1993
55°	2248	1788	1948
60°	2115	1720	1914
65°	1954	1660	1895
70°	1753	1623	1889
75°	1483	1596	1897
80°	1159	1596	1927
85°	741	1638	1991

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2468 cd/sqm



TEST NUMBER: P893342  
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.1	2.2
10°-20°	114.4	6.4
20°-30°	171.7	9.6
30°-40°	206.5	11.6
40°-50°	218.8	12.3
50°-60°	210.7	11.8
60°-70°	186.4	10.5
70°-80°	152.9	8.6
80°-90°	118.7	6.7
90°-100°	92.1	5.2
100°-110°	73.0	4.1
110°-120°	58.1	3.3
120°-130°	46.2	2.6
130°-140°	36.1	2.0
140°-150°	26.5	1.5
150°-160°	17.6	1.0
160°-170°	10.1	0.6
170°-180°	3.2	0.2
0°-30°	326.2	18.3
0°-40°	532.6	29.9
0°-60°	962.1	54.0
0°-90°	1420.1	79.6
90°-120°	223.2	12.5
90°-150°	332.0	18.6
90°-180°	363.0	20.4
0°-180°	1783.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	424	424	424	424	424	
5°	424	424	420	423	425	40
15°	405	405	402	409	411	114
25°	368	370	370	379	381	169
35°	317	321	325	342	348	198
45°	258	264	278	304	315	199
55°	195	204	232	266	280	174
65°	129	147	188	228	245	128
75°	64	97	150	192	210	69
85°	14	58	117	160	177	17
90°	0	46	104	145	162	1
95°	2	38	92	131	147	2
105°	7	31	72	107	121	8
115°	14	29	60	88	99	14
125°	21	31	52	72	81	19
135°	27	33	47	60	66	20
145°	28	32	43	52	55	18
155°	29	34	37	44	47	13
165°	34	36	35	35	39	9
175°	38	37	36	29	20	4
180°	33	33	33	33	33	



TEST NUMBER: P893342  
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9
2.5°	424.7	424.3	425.1	425.9	428.3	425.1	426.7	422.3	422.7	423.1	421.1
5°	423.5	422.3	423.5	424.3	426.3	423.9	425.5	420.7	421.1	421.9	419.5
7.5°	420.7	419.5	420.3	421.1	423.1	420.7	422.7	417.9	418.7	419.1	417.1
10°	416.7	415.0	415.8	417.1	418.7	416.7	418.3	413.8	414.2	415.0	413.0
12.5°	411.4	409.8	410.6	411.4	413.4	411.4	413.0	408.6	409.4	410.2	408.2
15°	404.6	402.9	403.7	404.6	406.2	405.0	406.6	402.1	402.9	404.6	402.5
17.5°	397.3	394.9	395.7	396.9	398.5	397.7	398.9	395.3	395.7	397.3	395.3
20°	388.4	386.0	386.8	388.0	389.6	389.2	390.0	386.8	387.6	389.6	387.6
22.5°	378.7	376.3	377.1	378.7	379.9	379.9	380.4	377.9	378.7	380.8	379.1
25°	368.3	365.8	366.6	368.3	369.5	369.5	370.3	367.8	369.1	371.1	369.5
27.5°	356.1	354.9	354.9	356.6	357.4	358.2	358.6	356.6	358.2	360.2	359.0
30°	343.6	342.0	342.8	344.9	344.9	346.5	346.5	344.9	346.9	349.3	348.5
32.5°	330.3	329.1	329.5	331.9	331.9	334.0	333.6	332.8	334.8	337.6	336.8
35°	317.0	315.8	316.2	318.6	318.6	321.1	320.3	320.3	322.3	325.5	324.7
37.5°	302.9	302.1	302.5	304.9	304.9	307.3	306.5	306.9	309.4	313.0	312.6
40°	288.4	287.6	288.4	290.4	291.2	293.2	292.4	293.2	296.5	299.7	300.9
42.5°	273.5	273.1	273.9	275.9	276.7	278.7	278.3	279.5	282.7	287.6	289.2
45°	258.1	258.1	258.9	261.0	261.8	264.2	263.8	265.4	269.4	274.7	277.5
47.5°	242.8	243.2	243.6	246.0	246.0	250.1	248.9	251.3	256.5	262.6	265.8
50°	227.1	227.9	228.3	230.3	231.1	234.7	233.9	238.0	243.6	250.1	254.5
52.5°	211.4	212.2	213.0	214.6	215.4	219.8	219.0	224.3	231.1	238.0	242.8
55°	194.8	196.4	196.8	198.8	200.1	204.5	204.5	210.5	217.8	225.5	231.5
57.5°	178.7	180.3	180.7	183.1	184.7	190.0	190.8	197.6	205.7	213.4	220.6
60°	162.1	164.2	164.6	167.0	169.8	175.5	176.7	184.3	193.2	201.3	209.7
62.5°	145.6	147.6	148.4	150.8	155.3	160.9	162.9	171.8	181.1	190.0	199.3
65°	129.1	131.1	132.3	135.5	140.8	146.8	149.6	158.9	169.4	178.7	188.4
67.5°	112.5	115.0	116.6	120.6	127.5	133.9	136.7	147.2	158.1	168.2	178.3
70°	96.4	98.8	100.8	106.1	114.1	120.6	124.2	135.5	146.8	157.7	169.0
72.5°	80.7	83.1	85.9	92.4	101.2	108.5	112.5	124.2	136.7	147.6	159.3
75°	64.5	67.4	70.6	79.5	89.5	96.8	101.2	113.7	126.6	137.5	150.0
77.5°	50.0	52.8	57.7	66.6	77.8	85.9	90.8	104.1	117.4	128.3	141.2
80°	36.7	39.5	46.0	55.7	67.4	75.0	81.1	94.8	108.5	119.8	132.7
82.5°	25.0	27.8	35.5	46.0	58.5	66.1	71.8	86.3	100.0	111.7	124.6
85°	14.5	18.6	26.6	37.9	50.8	58.5	64.1	79.1	92.4	104.1	117.4
87.5°	6.5	11.3	20.2	31.5	44.4	51.6	57.7	71.4	85.5	97.2	110.5
90°	0.4	6.5	15.7	26.6	39.1	46.0	51.6	65.3	78.7	90.8	103.7
92.5°	0.8	4.4	12.9	23.0	34.7	41.5	47.2	60.1	72.6	85.1	97.6
95°	2.0	4.4	11.3	20.6	31.5	37.9	43.2	55.7	67.4	79.5	91.6
97.5°	3.2	4.8	10.9	19.4	29.0	35.1	39.9	51.6	63.3	74.2	86.3
100°	4.4	6.1	10.9	18.6	27.4	33.1	37.5	48.4	59.3	69.4	81.5
102.5°	5.6	7.3	11.7	18.6	26.6	31.5	35.9	46.0	56.1	65.3	76.6
105°	7.3	8.5	12.5	18.6	25.8	30.7	34.3	43.6	53.2	62.1	72.2
107.5°	8.9	9.7	13.3	19.0	25.8	29.8	33.5	41.9	50.8	58.9	68.6
110°	10.9	11.3	14.5	19.8	25.8	29.4	32.7	40.7	48.8	56.5	65.3



TEST NUMBER: P893342  
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L935

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	12.5	12.5	15.7	20.6	25.8	29.4	32.3	39.5	47.2	54.0	62.5
115°	14.5	14.5	16.9	21.4	26.2	29.4	32.3	39.1	46.0	52.0	60.1
117.5°	16.1	16.1	18.6	22.2	27.0	29.8	32.3	38.3	44.8	50.4	57.7
120°	17.7	17.7	19.4	23.0	27.4	30.3	32.3	37.9	43.6	49.2	55.7
122.5°	19.4	19.4	20.6	24.2	27.8	30.3	32.3	37.5	42.8	47.6	53.6
125°	21.0	21.0	21.8	25.0	28.6	30.7	32.7	37.5	42.4	46.4	52.4
127.5°	22.6	22.2	23.4	26.2	29.0	31.1	33.1	37.5	41.5	45.6	50.8
130°	23.8	23.4	25.0	27.0	29.8	31.5	33.1	37.1	41.1	44.8	49.2
132.5°	25.4	24.6	26.6	27.4	30.7	32.3	33.5	37.1	40.7	44.0	48.4
135°	26.6	25.8	27.8	28.6	31.1	32.7	33.9	37.1	40.3	43.6	47.2
137.5°	27.4	27.0	29.0	29.8	31.5	33.1	34.3	37.1	39.9	42.8	46.4
140°	27.8	27.4	29.0	30.7	31.5	33.1	33.9	36.7	39.5	41.9	45.2
142.5°	28.2	28.2	29.4	31.1	31.5	32.7	33.9	36.3	38.7	40.7	44.4
145°	28.2	28.2	29.4	31.5	31.9	32.3	33.1	35.5	37.5	39.5	42.8
147.5°	28.2	28.2	29.8	31.5	32.3	32.7	32.3	34.7	36.7	38.3	41.1
150°	28.2	28.2	29.8	31.5	32.7	33.1	32.7	33.9	35.5	37.1	39.5
152.5°	28.6	28.6	29.8	31.5	32.7	33.1	33.1	33.1	34.3	35.9	38.3
155°	28.6	29.0	29.8	32.3	33.1	33.5	33.5	33.5	33.1	34.7	36.7
157.5°	29.8	30.3	30.7	32.7	33.5	33.9	33.9	33.9	33.5	33.1	35.1
160°	31.1	31.5	31.9	33.5	34.3	34.7	34.7	34.7	33.9	33.5	33.5
162.5°	32.3	33.1	33.1	33.9	34.7	35.1	35.1	35.5	34.7	34.3	33.9
165°	33.9	34.3	34.3	34.7	35.5	35.9	35.5	35.9	35.5	35.1	34.7
167.5°	35.1	35.5	35.5	35.9	35.9	36.3	36.3	36.3	35.9	35.5	35.5
170°	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.3	35.5	35.5
172.5°	37.1	37.5	37.5	37.1	37.1	37.1	37.1	36.7	35.9	35.5	35.5
175°	37.5	37.9	37.9	37.5	37.1	37.1	37.1	36.7	35.9	35.5	35.5
177.5°	37.9	38.3	37.9	37.9	37.1	37.1	37.1	37.1	36.3	35.9	35.5
180°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7



TEST NUMBER: P893342  
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L935

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9	423.9
2.5°	423.5	418.7	421.9	422.3	423.9	422.3	423.5	422.3	425.5	424.3
5°	421.9	417.5	420.3	420.7	422.7	420.7	422.7	421.9	425.9	424.7
7.5°	419.1	415.4	417.9	418.3	420.7	418.7	420.7	419.9	424.7	423.1
10°	415.0	412.2	414.6	415.0	417.5	415.4	417.1	416.2	421.5	419.1
12.5°	410.6	408.2	410.2	410.6	413.4	411.4	413.4	412.6	417.9	415.4
15°	404.1	402.9	405.0	405.8	408.6	407.0	409.0	408.2	413.8	410.6
17.5°	397.7	396.9	398.9	399.7	402.9	400.9	402.9	402.1	407.8	404.6
20°	389.6	389.2	391.2	392.5	395.3	393.3	395.7	394.9	400.9	397.7
22.5°	381.2	381.2	382.8	384.0	386.8	385.2	387.6	387.2	393.3	390.0
25°	371.9	372.3	373.9	375.5	378.7	377.5	379.5	379.5	385.2	381.2
27.5°	361.4	363.4	364.6	366.6	369.5	368.3	370.3	370.7	376.3	372.3
30°	350.5	353.3	354.5	357.0	359.4	359.4	361.4	362.2	367.8	363.8
32.5°	339.2	342.4	344.0	347.3	350.5	350.5	353.3	354.5	360.2	356.6
35°	327.9	332.4	334.4	338.4	341.6	342.0	344.9	346.5	352.1	348.5
37.5°	317.0	322.7	324.7	329.5	332.4	333.2	336.4	338.4	343.6	340.4
40°	305.7	312.6	315.0	320.3	322.7	324.3	327.5	329.9	334.8	331.9
42.5°	294.8	302.5	304.9	310.6	313.4	315.0	318.2	321.5	326.3	323.5
45°	284.0	292.4	295.2	301.3	303.7	306.1	309.8	312.6	317.0	314.6
47.5°	273.5	282.3	285.2	291.6	294.4	297.3	300.5	304.5	308.6	306.1
50°	262.6	271.9	275.5	282.3	284.8	288.0	292.0	295.6	299.7	297.7
52.5°	252.1	261.8	265.4	272.7	275.5	278.7	282.7	286.8	290.4	288.8
55°	240.8	251.3	255.3	263.0	265.8	269.0	273.5	277.9	281.1	279.9
57.5°	230.3	241.2	245.2	253.7	256.1	260.2	264.6	269.4	272.3	271.0
60°	219.8	230.7	235.6	244.0	246.8	250.9	255.3	260.6	263.0	262.2
62.5°	209.3	220.6	225.9	234.7	237.2	241.6	246.8	251.3	253.7	253.3
65°	199.7	210.5	216.6	225.5	227.9	232.7	237.6	242.4	244.8	244.8
67.5°	189.6	201.3	207.3	216.6	218.6	223.9	229.1	233.9	236.0	236.0
70°	180.3	191.6	198.4	207.7	209.7	214.6	220.2	225.5	227.1	227.5
72.5°	171.0	182.3	189.6	199.3	201.3	206.1	211.4	217.0	218.2	218.6
75°	162.1	173.4	180.7	190.4	192.4	197.2	202.9	208.1	209.7	210.1
77.5°	153.3	164.6	172.6	181.9	183.9	188.8	194.4	199.7	200.9	201.7
80°	145.2	156.1	163.8	173.8	175.9	180.7	185.9	191.2	192.0	193.2
82.5°	137.1	148.0	156.1	165.8	167.8	172.6	177.9	183.1	183.9	185.5
85°	129.5	140.4	148.4	157.7	160.1	164.6	170.2	175.0	175.9	177.1
87.5°	122.6	132.7	141.2	150.0	152.5	156.9	162.5	167.4	167.8	169.4
90°	115.4	125.4	133.9	142.8	145.2	149.2	154.9	159.7	160.5	161.7
92.5°	109.3	118.6	127.5	135.9	137.9	142.4	147.6	152.5	153.3	154.5
95°	102.9	112.1	121.0	129.1	131.1	135.5	140.4	145.2	146.0	147.2
97.5°	97.2	106.1	114.5	122.6	124.6	128.7	133.9	138.3	139.2	140.8
100°	92.0	100.4	109.3	116.6	118.6	122.6	127.5	131.9	132.7	134.3
102.5°	87.1	95.2	103.7	110.5	112.9	116.6	121.4	125.4	126.2	127.5
105°	82.7	90.3	98.4	104.9	107.3	110.9	115.4	119.4	120.2	121.4
107.5°	78.2	85.5	93.2	99.6	101.6	104.9	109.3	113.3	114.1	115.8
110°	74.2	81.5	88.7	94.8	97.2	99.6	104.1	107.7	108.5	109.7





TEST NUMBER: P893342  
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L935

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	70.6	77.0	84.3	89.9	92.0	94.8	98.4	102.0	102.9	104.5
115°	67.4	73.4	80.7	85.9	87.5	89.9	94.0	97.2	98.0	99.2
117.5°	64.5	69.8	76.2	81.5	83.5	85.5	89.1	92.0	93.2	94.0
120°	62.1	67.0	72.6	77.4	79.9	81.5	84.7	87.5	88.7	89.5
122.5°	59.7	64.1	69.4	73.8	75.8	77.0	80.7	83.1	84.3	85.5
125°	57.7	61.7	66.6	70.2	72.2	73.4	76.6	79.1	80.3	81.1
127.5°	55.7	59.3	64.1	67.0	69.0	69.8	72.6	75.0	76.2	76.6
130°	53.6	57.3	61.3	64.1	65.7	67.0	69.4	71.0	72.2	72.6
132.5°	52.0	55.3	58.9	61.7	63.3	63.7	66.1	67.8	69.0	69.4
135°	50.8	53.2	56.9	59.3	60.5	61.3	63.3	64.5	65.7	66.1
137.5°	49.2	51.6	54.9	56.5	58.1	58.5	60.5	61.7	62.9	63.3
140°	48.0	50.0	52.8	54.5	56.1	56.1	57.7	58.9	60.1	60.1
142.5°	46.8	48.8	51.2	52.8	54.0	54.0	55.7	56.5	57.7	57.7
145°	45.2	47.2	49.6	50.8	52.0	52.0	53.2	54.0	55.3	55.3
147.5°	43.6	45.6	48.0	48.8	50.0	50.0	51.2	52.0	52.8	52.8
150°	41.5	43.2	46.0	47.2	48.4	48.4	49.2	50.0	50.8	50.8
152.5°	39.9	41.1	43.6	45.2	46.4	46.4	47.2	48.0	48.8	48.8
155°	37.9	39.1	41.1	43.2	44.4	44.8	45.6	46.0	46.8	46.8
157.5°	36.3	37.5	39.1	40.7	41.9	42.8	44.0	44.4	44.8	44.8
160°	34.3	35.1	36.7	38.3	39.5	40.3	42.4	42.8	43.2	43.2
162.5°	33.5	33.5	34.3	35.5	36.7	37.1	39.1	40.7	41.5	41.1
165°	33.9	33.5	33.5	33.9	34.7	35.1	36.3	38.7	39.5	39.1
167.5°	34.7	33.9	33.5	33.5	34.3	34.3	35.5	37.5	39.9	39.1
170°	34.7	33.5	32.7	32.7	33.1	33.1	33.9	35.1	37.5	37.9
172.5°	34.3	33.5	32.3	30.7	31.1	30.7	30.3	31.1	31.5	35.5
175°	34.7	33.5	32.3	30.3	29.4	28.2	26.2	24.6	24.2	19.8
177.5°	34.3	33.1	31.5	29.8	29.0	27.4	25.0	22.2	20.6	18.2
180°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7



TEST NUMBER: P893342  
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L935

**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	10.76	12.08	11.41	12.74	13.51	14.31	15.62	14.95	16.29	17.06
	3H	12.11	13.31	12.77	13.99	14.79	17.23	18.43	17.88	19.10	19.90
	4H	12.52	13.66	13.19	14.34	15.16	18.70	19.84	19.38	20.53	21.34
	6H	12.73	13.80	13.42	14.49	15.32	20.26	21.32	20.95	22.02	22.85
	8H	12.77	13.79	13.47	14.50	15.34	21.07	22.09	21.77	22.81	23.64
	12H	12.77	13.75	13.48	14.46	15.32	21.95	22.93	22.65	23.64	24.50
4H	2H	11.91	13.05	12.58	13.73	14.55	14.63	15.77	15.31	16.46	17.27
	3H	13.55	14.53	14.24	15.25	16.08	17.78	18.76	18.47	19.48	20.31
	4H	14.12	15.02	14.82	15.75	16.61	19.43	20.33	20.14	21.06	21.92
	6H	14.46	15.26	15.18	16.01	16.88	21.20	22.00	21.92	22.75	23.62
	8H	14.53	15.29	15.26	16.03	16.92	22.14	22.89	22.86	23.64	24.52
	12H	14.56	15.25	15.31	16.02	16.91	23.16	23.84	23.91	24.61	25.50
8H	4H	15.21	15.96	15.93	16.70	17.59	19.61	20.36	20.33	21.10	21.99
	6H	15.81	16.46	16.57	17.24	18.13	21.56	22.20	22.31	22.98	23.87
	8H	16.01	16.59	16.78	17.38	18.28	22.64	23.22	23.40	24.01	24.90
	12H	16.12	16.64	16.89	17.42	18.38	23.86	24.37	24.63	25.15	26.11
12H	4H	15.56	16.24	16.31	17.01	17.90	19.60	20.29	20.35	21.06	21.94
	6H	16.34	16.92	17.10	17.70	18.60	21.59	22.17	22.35	22.95	23.85
	8H	16.67	17.18	17.43	17.96	18.92	22.73	23.25	23.50	24.03	24.99