

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: P892580

Luminaire Tested: 2MB-2SL-RNDU-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-9)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-2SL-RNDU-UNV-L950
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

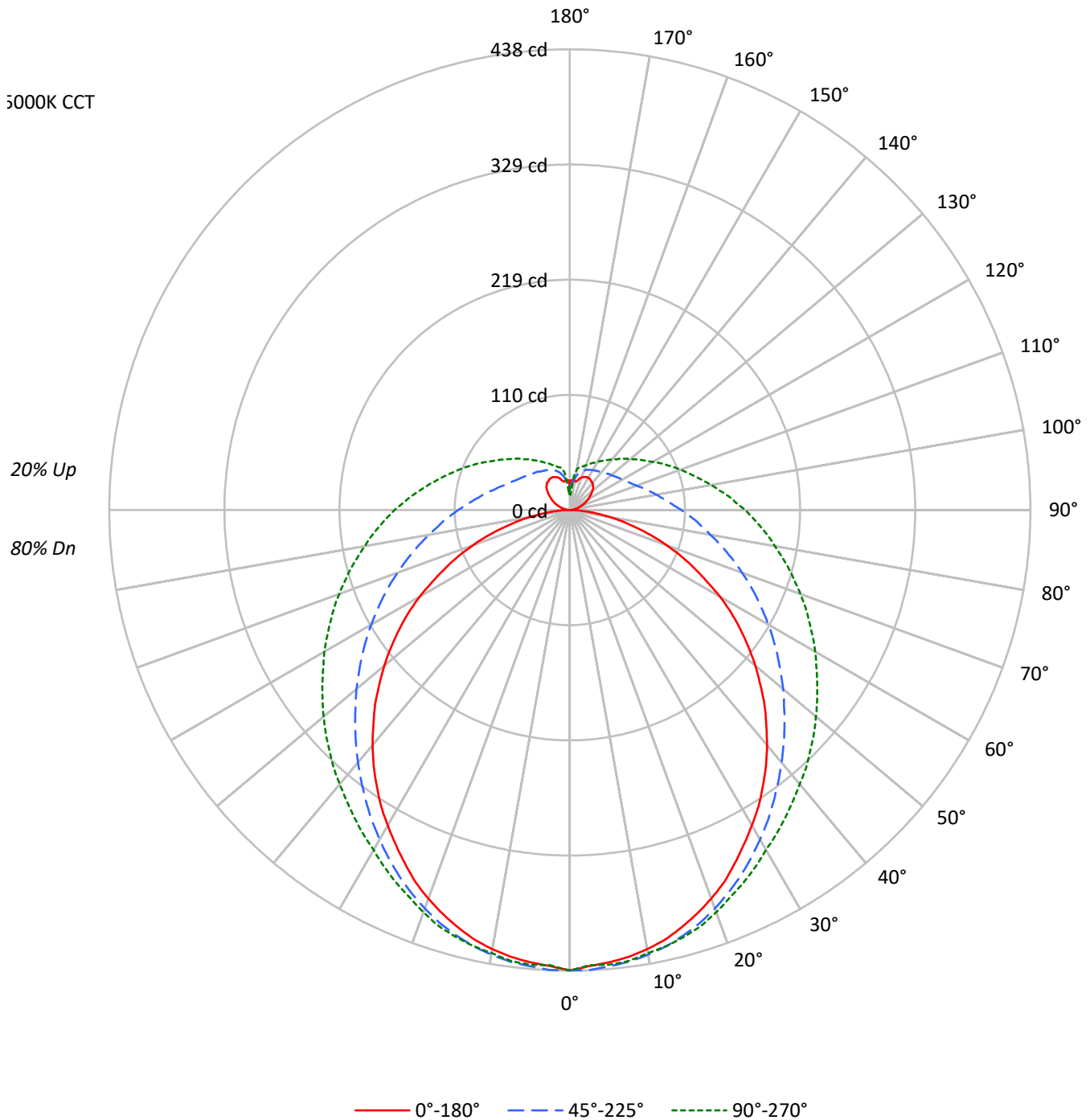
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1839.0 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 14.9
Input Voltage (V): 120
Input Current (A_{in}): 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: P892580
CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L950

Luminous Intensity Polar Plot





TEST NUMBER: P892580
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L950

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6262	6262	6262
5°	6141	6010	5946
10°	6045	5766	5665
15°	5917	5515	5424
20°	5765	5253	5166
25°	5580	4986	4914
30°	5393	4717	4683
35°	5208	4459	4507
40°	5007	4217	4352
45°	4794	3995	4225
50°	4556	3802	4114
55°	4295	3623	4018
60°	3995	3467	3956
65°	3604	3330	3908
70°	3189	3213	3896
75°	2651	3131	3917
80°	1981	3093	3973
85°	1199	3152	4113

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4794 cd/sqm



TEST NUMBER: P892580
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	2.2
10°-20°	118.1	6.4
20°-30°	177.1	9.6
30°-40°	212.9	11.6
40°-50°	225.6	12.3
50°-60°	217.2	11.8
60°-70°	191.8	10.4
70°-80°	157.0	8.5
80°-90°	121.9	6.6
90°-100°	94.4	5.1
100°-110°	74.9	4.1
110°-120°	59.9	3.3
120°-130°	47.9	2.6
130°-140°	37.8	2.1
140°-150°	28.5	1.6
150°-160°	19.5	1.1
160°-170°	10.4	0.6
170°-180°	2.7	0.1
0°-30°	336.6	18.3
0°-40°	549.5	29.9
0°-60°	992.3	54.0
0°-90°	1463.0	79.6
90°-120°	229.2	12.5
90°-150°	343.4	18.7
90°-180°	376.0	20.4
0°-180°	1839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	432	436	435	437	434	41
15°	411	418	418	422	420	116
25°	371	380	384	391	391	171
35°	320	329	338	352	357	200
45°	262	272	289	314	323	202
55°	198	210	241	274	287	177
65°	130	150	196	236	251	129
75°	67	98	154	199	216	71
85°	16	60	121	165	182	18
90°	1	48	106	149	167	1
95°	2	39	94	134	151	2
105°	8	32	74	110	124	9
115°	16	30	62	90	101	16
125°	24	32	54	74	83	21
135°	32	34	49	63	69	24
145°	35	35	45	54	58	22
155°	35	38	42	47	49	16
165°	29	33	37	42	42	8
175°	28	27	25	23	22	3
180°	22	22	22	22	22	



TEST NUMBER: P892580
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L950

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7
2.5°	433.9	436.2	436.9	436.2	436.2	437.7	437.7	440.8	441.5	436.9	437.7
5°	431.6	433.9	435.4	434.6	434.6	436.2	435.4	438.5	439.2	435.4	435.4
7.5°	428.5	430.8	432.3	431.6	431.6	433.1	432.3	435.4	436.2	433.1	433.1
10°	423.9	427.0	428.5	427.0	427.7	429.3	428.5	431.6	432.3	429.3	429.3
12.5°	418.5	421.6	423.1	422.3	423.1	423.9	423.1	427.0	427.7	424.6	424.6
15°	410.8	414.7	415.4	414.7	415.4	417.7	416.2	419.3	421.6	418.5	418.5
17.5°	402.4	406.2	407.8	407.0	408.5	410.1	408.5	412.4	413.9	410.8	411.6
20°	393.2	397.0	398.5	397.8	399.3	400.8	399.3	403.1	404.7	402.4	403.1
22.5°	383.2	387.0	388.6	387.8	389.3	390.9	389.3	393.2	395.5	393.2	393.9
25°	370.9	375.5	377.0	376.3	377.8	380.1	377.8	382.4	384.7	383.2	383.9
27.5°	358.6	362.4	365.5	364.0	366.3	368.6	367.1	370.1	373.2	372.4	373.2
30°	346.3	350.2	353.2	351.7	354.0	356.3	354.0	357.8	360.9	360.9	361.7
32.5°	334.0	337.1	339.4	338.6	340.2	343.3	341.7	345.6	348.6	348.6	350.2
35°	320.2	323.3	325.6	324.8	327.1	329.4	327.9	331.7	335.6	336.3	337.9
37.5°	306.4	309.5	311.8	311.0	312.5	315.6	314.1	318.7	321.7	323.3	325.6
40°	291.8	294.9	297.2	296.4	298.7	301.0	300.2	304.1	307.9	310.2	313.3
42.5°	276.4	279.5	281.8	281.8	284.1	287.2	285.7	290.3	294.1	297.2	301.0
45°	261.9	264.2	266.5	266.5	269.5	271.8	271.1	275.7	280.3	284.1	288.7
47.5°	245.7	248.8	250.3	251.1	254.2	256.5	256.5	261.1	266.5	271.8	276.4
50°	230.4	232.7	235.0	235.0	238.8	241.1	241.1	246.5	253.4	259.5	264.9
52.5°	214.2	216.5	218.9	219.6	222.7	225.8	225.8	231.9	239.6	246.5	252.6
55°	198.1	200.4	202.0	203.5	207.3	209.6	211.2	218.1	226.5	233.4	241.1
57.5°	182.0	183.5	185.8	187.4	192.0	195.0	197.3	205.0	213.5	221.9	229.6
60°	165.1	167.4	168.9	171.2	175.8	180.5	182.8	191.2	200.4	209.6	218.1
62.5°	146.7	149.0	151.3	154.3	161.3	165.1	168.9	178.2	187.4	197.3	206.6
65°	130.5	132.1	134.4	137.5	145.1	149.7	154.3	164.3	175.1	185.8	195.8
67.5°	114.4	116.0	119.0	122.9	131.3	135.9	140.5	151.3	163.6	175.1	185.1
70°	98.3	99.1	102.9	108.3	117.5	122.1	127.5	138.2	150.5	163.6	174.3
72.5°	82.2	83.7	87.5	93.7	104.4	109.8	115.2	127.5	139.8	152.0	164.3
75°	66.8	67.6	73.0	80.6	92.1	98.3	104.4	116.7	129.8	142.8	154.3
77.5°	52.2	53.0	59.9	68.3	80.6	87.5	93.7	106.0	119.8	132.8	145.1
80°	38.4	39.9	46.8	57.6	69.9	76.8	84.5	97.5	110.6	124.4	135.9
82.5°	26.1	28.4	36.1	47.6	60.7	68.3	75.3	88.3	102.1	116.0	127.5
85°	16.1	18.4	27.6	39.2	53.0	59.9	66.8	80.6	94.5	107.5	120.6
87.5°	6.9	11.5	20.7	32.3	46.1	53.0	60.7	73.7	86.8	100.6	112.9
90°	0.8	6.9	16.1	27.6	40.7	47.6	54.5	67.6	80.6	93.7	106.0
92.5°	0.8	4.6	13.1	23.8	36.1	43.0	49.1	62.2	74.5	87.5	99.1
95°	2.3	4.6	11.5	21.5	33.0	39.2	45.3	57.6	69.9	82.2	93.7
97.5°	3.1	5.4	11.5	20.0	29.9	36.1	42.2	53.8	65.3	76.8	88.3
100°	4.6	6.1	11.5	19.2	28.4	33.8	39.2	49.9	61.4	73.0	83.7
102.5°	6.1	7.7	12.3	19.2	27.6	32.3	37.6	47.6	57.6	68.3	79.1
105°	8.4	9.2	13.1	19.2	26.9	31.5	36.1	45.3	54.5	65.3	74.5
107.5°	10.0	10.8	13.8	20.0	26.9	30.7	35.3	43.0	52.2	61.4	71.4
110°	11.5	11.5	15.4	20.7	26.9	29.9	34.6	42.2	50.7	59.1	67.6



TEST NUMBER: P892580
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L950

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	13.8	13.8	16.1	21.5	26.9	29.9	33.8	40.7	48.4	56.8	64.5
115°	16.1	15.4	17.7	22.3	27.6	29.9	33.8	39.9	46.8	54.5	62.2
117.5°	17.7	16.9	19.2	23.0	27.6	30.7	33.8	39.9	46.1	53.0	59.9
120°	20.0	18.4	20.0	23.8	28.4	30.7	33.8	39.2	45.3	51.4	57.6
122.5°	21.5	20.7	21.5	25.3	29.2	30.7	33.8	38.4	44.5	49.9	56.1
125°	23.8	22.3	23.0	26.1	29.9	31.5	34.6	38.4	43.8	49.1	54.5
127.5°	26.1	23.8	23.8	26.9	29.9	32.3	34.6	38.4	43.0	47.6	53.0
130°	27.6	26.1	25.3	28.4	30.7	32.3	34.6	38.4	42.2	46.8	51.4
132.5°	29.9	27.6	26.9	29.2	31.5	33.0	35.3	38.4	42.2	46.1	50.7
135°	31.5	29.2	28.4	29.9	32.3	33.8	35.3	38.4	42.2	45.3	49.1
137.5°	32.3	30.7	29.9	30.7	33.0	34.6	36.1	38.4	41.5	44.5	48.4
140°	33.8	32.3	31.5	32.3	33.8	34.6	36.1	38.4	41.5	43.8	47.6
142.5°	33.8	33.8	32.3	33.0	33.8	35.3	36.9	38.4	40.7	43.8	46.1
145°	34.6	34.6	33.8	34.6	34.6	35.3	36.9	38.4	40.7	43.0	45.3
147.5°	35.3	35.3	35.3	35.3	35.3	36.1	36.9	38.4	40.7	42.2	44.5
150°	35.3	35.3	36.1	36.1	36.9	36.9	37.6	38.4	40.7	42.2	43.8
152.5°	35.3	34.6	36.1	36.9	37.6	37.6	37.6	38.4	39.9	41.5	43.0
155°	34.6	33.8	35.3	36.1	36.9	37.6	38.4	38.4	39.9	40.7	42.2
157.5°	33.8	33.0	34.6	35.3	36.1	36.9	37.6	37.6	38.4	39.9	41.5
160°	33.0	32.3	33.0	34.6	35.3	36.1	36.9	36.9	37.6	38.4	39.9
162.5°	31.5	30.7	31.5	33.0	33.8	34.6	35.3	36.1	36.9	37.6	38.4
165°	29.2	29.2	29.2	30.7	32.3	33.0	33.8	34.6	35.3	36.1	36.9
167.5°	27.6	26.9	27.6	28.4	29.9	30.7	31.5	32.3	33.0	33.8	34.6
170°	27.6	26.9	26.9	27.6	28.4	28.4	29.2	29.9	30.7	31.5	32.3
172.5°	28.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	28.4	28.4
175°	28.4	28.4	27.6	27.6	26.9	26.9	26.9	26.9	26.1	25.3	25.3
177.5°	28.4	28.4	28.4	27.6	27.6	26.9	26.9	26.9	26.1	25.3	23.8
180°	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3



TEST NUMBER: P892580
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L950

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7
2.5°	436.9	436.9	433.9	436.9	437.7	436.2	435.4	436.9	434.6	433.1
5°	435.4	435.4	433.1	436.2	436.9	435.4	435.4	436.9	434.6	433.9
7.5°	432.3	433.1	431.6	434.6	435.4	433.9	433.9	435.4	433.9	432.3
10°	429.3	429.3	428.5	430.8	430.8	430.0	429.3	430.8	430.0	427.7
12.5°	424.6	425.4	423.9	427.0	427.7	426.2	426.2	427.7	426.2	424.6
15°	419.3	419.3	419.3	421.6	422.3	421.6	421.6	423.1	421.6	420.0
17.5°	412.4	413.1	413.1	416.2	417.0	415.4	415.4	417.7	417.0	414.7
20°	403.9	404.7	405.5	407.8	408.5	407.8	407.8	409.3	409.3	407.0
22.5°	395.5	395.5	397.0	399.3	400.1	399.3	399.3	401.6	401.6	398.5
25°	385.5	385.5	387.8	390.9	390.9	390.1	390.9	392.4	393.2	390.9
27.5°	375.5	376.3	378.6	381.6	381.6	381.6	381.6	383.9	383.9	382.4
30°	364.0	365.5	367.8	370.9	371.7	371.7	372.4	374.0	375.5	373.2
32.5°	352.5	354.0	357.1	360.9	361.7	362.4	363.2	366.3	367.8	365.5
35°	340.9	342.5	347.1	351.7	352.5	353.2	354.8	357.8	359.4	357.1
37.5°	329.4	331.7	337.9	341.7	343.3	344.0	346.3	348.6	351.7	348.6
40°	318.7	321.0	327.9	332.5	333.3	334.8	337.1	340.2	342.5	340.2
42.5°	307.2	310.2	317.1	322.5	324.1	325.6	327.9	331.0	334.0	332.5
45°	295.6	299.5	307.2	312.5	314.1	316.4	319.4	322.5	325.6	323.3
47.5°	284.1	288.7	297.2	302.6	304.1	307.2	310.2	313.3	316.4	314.8
50°	272.6	277.2	286.4	292.6	294.9	297.9	300.2	304.1	307.2	305.6
52.5°	261.9	266.5	276.4	282.6	284.9	288.0	291.0	294.9	297.9	296.4
55°	249.6	254.9	265.7	271.8	274.1	278.0	281.8	284.9	288.7	287.2
57.5°	238.8	245.0	255.7	262.6	264.9	268.8	272.6	276.4	280.3	278.0
60°	228.1	234.2	245.7	252.6	254.9	259.5	263.4	266.5	271.1	269.5
62.5°	217.3	224.2	235.0	242.7	245.7	249.6	253.4	257.2	261.1	260.3
65°	205.8	213.5	225.0	232.7	235.7	240.4	244.2	248.0	251.9	251.1
67.5°	196.6	204.3	215.8	223.5	226.5	231.1	235.7	239.6	243.4	242.7
70°	185.8	194.3	205.8	213.5	216.5	221.2	225.8	229.6	233.4	233.4
72.5°	176.6	185.1	196.6	204.3	208.1	212.7	217.3	221.2	225.0	224.2
75°	167.4	175.8	187.4	195.0	198.9	204.3	208.9	212.7	216.5	215.8
77.5°	157.4	166.6	178.2	185.8	189.7	195.0	199.7	203.5	207.3	206.6
80°	148.2	158.2	169.7	177.4	181.2	185.8	191.2	195.0	198.9	198.1
82.5°	139.8	149.7	162.0	169.7	173.5	178.2	183.5	187.4	190.4	190.4
85°	132.1	141.3	152.8	161.3	165.1	169.7	175.1	178.9	182.8	182.0
87.5°	124.4	133.6	144.4	152.8	156.7	161.3	167.4	171.2	174.3	174.3
90°	117.5	126.7	137.5	145.1	149.0	153.6	159.0	163.6	166.6	166.6
92.5°	111.3	119.8	130.5	137.5	141.3	145.9	152.0	155.1	158.2	158.2
95°	105.2	113.6	123.6	130.5	134.4	139.0	144.4	148.2	150.5	151.3
97.5°	99.1	107.5	117.5	123.6	127.5	132.1	137.5	140.5	142.8	143.6
100°	93.7	102.1	111.3	117.5	121.3	125.9	130.5	133.6	135.9	136.7
102.5°	89.1	96.8	106.0	112.1	115.2	119.0	124.4	127.5	129.8	129.8
105°	84.5	92.1	100.6	106.7	109.8	113.6	118.3	121.3	123.6	123.6
107.5°	79.9	87.5	95.2	101.4	104.4	107.5	112.1	115.2	117.5	117.5
110°	76.0	82.9	90.6	96.0	99.1	102.1	106.7	109.8	111.3	112.1



TEST NUMBER: P892580
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L950

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	73.0	79.1	86.0	91.4	94.5	97.5	101.4	104.4	106.0	106.7
115°	69.9	75.3	82.2	86.8	89.8	92.9	96.8	99.1	100.6	101.4
117.5°	66.8	72.2	78.3	82.9	85.2	88.3	92.1	94.5	96.0	96.8
120°	64.5	69.1	75.3	79.1	81.4	84.5	87.5	89.8	91.4	91.4
122.5°	61.4	66.8	71.4	75.3	77.6	79.9	83.7	85.2	86.8	86.8
125°	59.9	63.7	69.1	72.2	74.5	76.8	79.9	81.4	82.9	82.9
127.5°	57.6	61.4	66.0	69.1	70.6	73.0	76.0	77.6	78.3	79.1
130°	56.1	59.9	63.7	66.8	68.3	69.9	73.0	73.7	75.3	75.3
132.5°	54.5	57.6	61.4	63.7	65.3	66.8	69.1	70.6	71.4	72.2
135°	53.0	56.1	59.1	61.4	63.0	64.5	66.8	67.6	68.3	69.1
137.5°	51.4	54.5	56.8	59.1	59.9	61.4	63.7	64.5	65.3	65.3
140°	49.9	53.0	55.3	56.8	58.4	59.1	61.4	62.2	62.2	63.0
142.5°	49.1	51.4	53.0	54.5	56.1	56.8	58.4	59.1	59.9	59.9
145°	47.6	49.9	51.4	53.0	53.8	54.5	56.1	56.8	57.6	57.6
147.5°	46.8	48.4	49.9	51.4	52.2	53.0	54.5	54.5	55.3	55.3
150°	45.3	47.6	48.4	49.9	50.7	50.7	52.2	53.0	53.0	53.0
152.5°	44.5	46.1	46.8	47.6	48.4	49.1	49.9	50.7	50.7	50.7
155°	43.8	45.3	46.1	46.8	46.8	47.6	48.4	48.4	48.4	49.1
157.5°	43.0	43.8	44.5	45.3	45.3	46.1	46.8	46.8	46.8	46.8
160°	41.5	42.2	43.0	43.8	44.5	44.5	45.3	45.3	45.3	45.3
162.5°	39.2	40.7	41.5	42.2	43.0	43.0	43.8	43.8	43.8	43.8
165°	37.6	38.4	39.2	40.7	41.5	41.5	42.2	42.2	42.2	42.2
167.5°	36.1	36.1	36.9	37.6	39.2	39.9	40.7	41.5	41.5	41.5
170°	33.0	33.0	33.8	33.8	35.3	36.1	37.6	39.2	39.9	39.9
172.5°	29.2	29.2	29.9	29.2	29.9	29.9	30.7	32.3	33.8	34.6
175°	25.3	25.3	23.8	23.0	23.0	22.3	22.3	21.5	20.0	21.5
177.5°	22.3	21.5	20.0	18.4	18.4	17.7	17.7	16.1	14.6	14.6
180°	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3



TEST NUMBER: P892580
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L950

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	13.27	14.58	13.91	15.24	16.01	16.65	17.96	17.29	18.63	19.40
	3H	14.59	15.78	15.24	16.46	17.26	19.47	20.66	20.12	21.34	22.14
	4H	14.99	16.12	15.66	16.81	17.63	20.88	22.02	21.56	22.71	23.53
	6H	15.19	16.25	15.88	16.95	17.78	22.37	23.43	23.06	24.13	24.96
	8H	15.23	16.24	15.93	16.96	17.80	23.12	24.14	23.82	24.86	25.69
	12H	15.23	16.21	15.94	16.92	17.78	23.92	24.89	24.62	25.60	26.47
4H	2H	14.39	15.53	15.07	16.22	17.03	16.99	18.12	17.66	18.81	19.63
	3H	16.00	16.97	16.69	17.70	18.53	20.04	21.02	20.73	21.74	22.58
	4H	16.56	17.46	17.26	18.18	19.05	21.64	22.54	22.34	23.26	24.13
	6H	16.90	17.69	17.62	18.44	19.31	23.34	24.13	24.06	24.88	25.75
	8H	16.97	17.72	17.70	18.47	19.35	24.21	24.96	24.94	25.71	26.60
	12H	17.00	17.68	17.75	18.45	19.34	25.14	25.83	25.89	26.60	27.49
8H	4H	17.60	18.35	18.33	19.10	19.98	21.82	22.57	22.54	23.31	24.20
	6H	18.21	18.85	18.97	19.64	20.53	23.70	24.34	24.46	25.13	26.01
	8H	18.41	18.99	19.18	19.78	20.68	24.73	25.31	25.50	26.09	27.00
	12H	18.53	19.04	19.30	19.82	20.78	25.86	26.38	26.63	27.16	28.12
12H	4H	17.93	18.62	18.68	19.39	20.28	21.81	22.50	22.56	23.27	24.16
	6H	18.71	19.29	19.47	20.07	20.97	23.73	24.31	24.50	25.10	26.00
	8H	19.04	19.55	19.81	20.33	21.29	24.83	25.34	25.60	26.12	27.08