

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: P892574

Luminaire Tested: 2MB-2SL-RNDU-UNV-L835

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892574
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-L835
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5
Light Source: -
Ballast/Driver: -

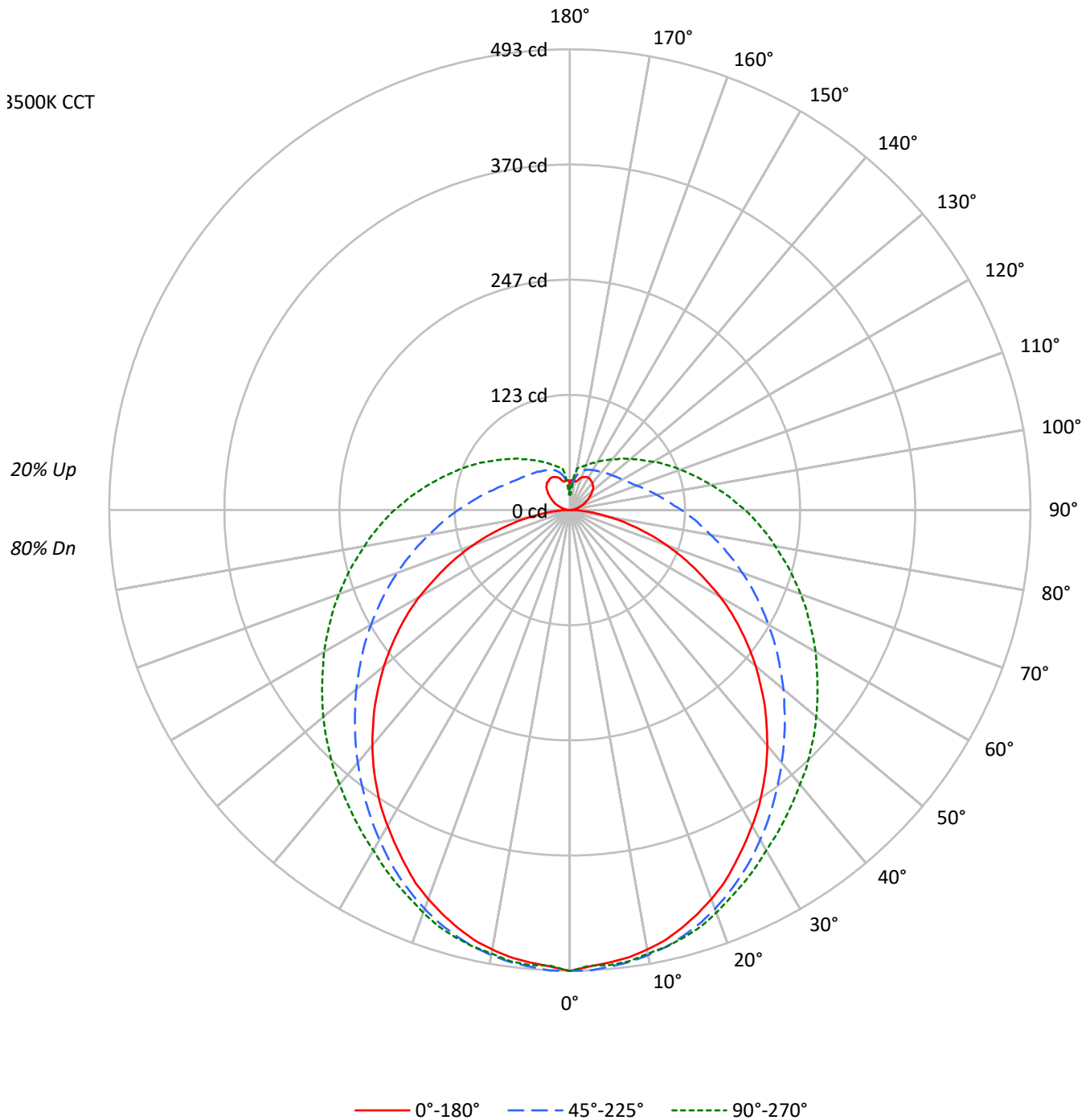
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2072.0 lumens
Efficiency: N/A
Efficacy: 139.1 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: P892574
CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L835

Luminous Intensity Polar Plot





TEST NUMBER: P892574

CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L835

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7055	7055	7055
5°	6918	6771	6698
10°	6811	6496	6383
15°	6668	6214	6112
20°	6495	5919	5821
25°	6288	5618	5537
30°	6076	5314	5277
35°	5868	5024	5078
40°	5642	4751	4903
45°	5400	4502	4760
50°	5133	4285	4636
55°	4839	4083	4528
60°	4501	3905	4458
65°	4062	3751	4403
70°	3591	3620	4391
75°	2988	3529	4413
80°	2234	3485	4477
85°	1356	3550	4635

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5400 cd/sqm



TEST NUMBER: P892574
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	2.2
10°-20°	133.1	6.4
20°-30°	199.6	9.6
30°-40°	239.8	11.6
40°-50°	254.2	12.3
50°-60°	244.7	11.8
60°-70°	216.1	10.4
70°-80°	176.9	8.5
80°-90°	137.3	6.6
90°-100°	106.4	5.1
100°-110°	84.4	4.1
110°-120°	67.5	3.3
120°-130°	54.0	2.6
130°-140°	42.6	2.1
140°-150°	32.1	1.6
150°-160°	22.0	1.1
160°-170°	11.7	0.6
170°-180°	3.0	0.1
0°-30°	379.3	18.3
0°-40°	619.1	29.9
0°-60°	1118.1	54.0
0°-90°	1648.4	79.6
90°-120°	258.2	12.5
90°-150°	386.9	18.7
90°-180°	424.0	20.5
0°-180°	2072.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	493	493	493	493	493	
5°	486	491	491	492	489	46
15°	463	471	472	476	473	130
25°	418	428	433	440	440	193
35°	361	371	381	397	402	226
45°	295	306	325	354	364	227
55°	223	236	272	309	324	200
65°	147	169	221	266	283	146
75°	75	111	174	224	243	80
85°	18	68	136	186	205	20
90°	1	54	119	168	188	1
95°	3	44	106	151	170	2
105°	10	36	84	124	139	10
115°	18	34	70	101	114	18
125°	27	36	61	84	93	24
135°	36	38	55	71	78	27
145°	39	40	51	61	65	24
155°	39	42	48	53	55	18
165°	33	37	42	47	48	10
175°	32	30	29	26	24	3
180°	25	25	25	25	25	



TEST NUMBER: P892574
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L835

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2
2.5°	488.8	491.4	492.3	491.4	491.4	493.2	493.2	496.6	497.5	492.3	493.2
5°	486.2	488.8	490.6	489.7	489.7	491.4	490.6	494.0	494.9	490.6	490.6
7.5°	482.8	485.4	487.1	486.2	486.2	488.0	487.1	490.6	491.4	488.0	488.0
10°	477.6	481.0	482.8	481.0	481.9	483.6	482.8	486.2	487.1	483.6	483.6
12.5°	471.5	475.0	476.7	475.9	476.7	477.6	476.7	481.0	481.9	478.5	478.5
15°	462.9	467.2	468.1	467.2	468.1	470.7	468.9	472.4	475.0	471.5	471.5
17.5°	453.4	457.7	459.4	458.6	460.3	462.0	460.3	464.6	466.3	462.9	463.7
20°	443.0	447.3	449.0	448.2	449.9	451.6	449.9	454.2	456.0	453.4	454.2
22.5°	431.7	436.1	437.8	436.9	438.7	440.4	438.7	443.0	445.6	443.0	443.8
25°	417.9	423.1	424.8	423.9	425.7	428.3	425.7	430.9	433.5	431.7	432.6
27.5°	404.0	408.4	411.8	410.1	412.7	415.3	413.6	417.0	420.5	419.6	420.5
30°	390.2	394.5	398.0	396.3	398.9	401.4	398.9	403.2	406.6	406.6	407.5
32.5°	376.4	379.8	382.4	381.5	383.3	386.7	385.0	389.3	392.8	392.8	394.5
35°	360.8	364.2	366.8	366.0	368.6	371.2	369.4	373.8	378.1	379.0	380.7
37.5°	345.2	348.7	351.3	350.4	352.1	355.6	353.9	359.1	362.5	364.2	366.8
40°	328.8	332.2	334.8	334.0	336.6	339.2	338.3	342.6	346.9	349.5	353.0
42.5°	311.5	314.9	317.5	317.5	320.1	323.6	321.9	327.0	331.4	334.8	339.2
45°	295.0	297.6	300.2	300.2	303.7	306.3	305.4	310.6	315.8	320.1	325.3
47.5°	276.9	280.3	282.1	282.9	286.4	289.0	289.0	294.2	300.2	306.3	311.5
50°	259.6	262.2	264.7	264.7	269.1	271.7	271.7	277.7	285.5	292.4	298.5
52.5°	241.4	244.0	246.6	247.4	250.9	254.4	254.4	261.3	269.9	277.7	284.6
55°	223.2	225.8	227.5	229.3	233.6	236.2	237.9	245.7	255.2	263.0	271.7
57.5°	205.1	206.8	209.4	211.1	216.3	219.8	222.4	231.0	240.5	250.0	258.7
60°	186.0	188.6	190.3	192.9	198.1	203.3	205.9	215.4	225.8	236.2	245.7
62.5°	165.3	167.8	170.4	173.9	181.7	186.0	190.3	200.7	211.1	222.4	232.7
65°	147.1	148.8	151.4	154.9	163.5	168.7	173.9	185.2	197.3	209.4	220.6
67.5°	128.9	130.6	134.1	138.4	147.9	153.1	158.3	170.4	184.3	197.3	208.5
70°	110.7	111.6	115.9	122.0	132.4	137.6	143.6	155.7	169.6	184.3	196.4
72.5°	92.6	94.3	98.6	105.6	117.7	123.7	129.8	143.6	157.5	171.3	185.2
75°	75.3	76.1	82.2	90.8	103.8	110.7	117.7	131.5	146.2	160.9	173.9
77.5°	58.8	59.7	67.5	77.0	90.8	98.6	105.6	119.4	135.0	149.7	163.5
80°	43.3	45.0	52.8	64.9	78.7	86.5	95.2	109.9	124.6	140.2	153.1
82.5°	29.4	32.0	40.7	53.6	68.4	77.0	84.8	99.5	115.1	130.6	143.6
85°	18.2	20.8	31.1	44.1	59.7	67.5	75.3	90.8	106.4	121.1	135.8
87.5°	7.8	13.0	23.4	36.3	51.9	59.7	68.4	83.1	97.8	113.3	127.2
90°	0.9	7.8	18.2	31.1	45.9	53.6	61.4	76.1	90.8	105.6	119.4
92.5°	0.9	5.2	14.7	26.8	40.7	48.5	55.4	70.1	83.9	98.6	111.6
95°	2.6	5.2	13.0	24.2	37.2	44.1	51.0	64.9	78.7	92.6	105.6
97.5°	3.5	6.1	13.0	22.5	33.7	40.7	47.6	60.6	73.5	86.5	99.5
100°	5.2	6.9	13.0	21.6	32.0	38.1	44.1	56.2	69.2	82.2	94.3
102.5°	6.9	8.7	13.8	21.6	31.1	36.3	42.4	53.6	64.9	77.0	89.1
105°	9.5	10.4	14.7	21.6	30.3	35.5	40.7	51.0	61.4	73.5	83.9
107.5°	11.2	12.1	15.6	22.5	30.3	34.6	39.8	48.5	58.8	69.2	80.5
110°	13.0	13.0	17.3	23.4	30.3	33.7	38.9	47.6	57.1	66.6	76.1



TEST NUMBER: P892574
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L835

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	15.6	15.6	18.2	24.2	30.3	33.7	38.1	45.9	54.5	64.0	72.7
115°	18.2	17.3	19.9	25.1	31.1	33.7	38.1	45.0	52.8	61.4	70.1
117.5°	19.9	19.0	21.6	26.0	31.1	34.6	38.1	45.0	51.9	59.7	67.5
120°	22.5	20.8	22.5	26.8	32.0	34.6	38.1	44.1	51.0	58.0	64.9
122.5°	24.2	23.4	24.2	28.6	32.9	34.6	38.1	43.3	50.2	56.2	63.2
125°	26.8	25.1	26.0	29.4	33.7	35.5	38.9	43.3	49.3	55.4	61.4
127.5°	29.4	26.8	26.8	30.3	33.7	36.3	38.9	43.3	48.5	53.6	59.7
130°	31.1	29.4	28.6	32.0	34.6	36.3	38.9	43.3	47.6	52.8	58.0
132.5°	33.7	31.1	30.3	32.9	35.5	37.2	39.8	43.3	47.6	51.9	57.1
135°	35.5	32.9	32.0	33.7	36.3	38.1	39.8	43.3	47.6	51.0	55.4
137.5°	36.3	34.6	33.7	34.6	37.2	38.9	40.7	43.3	46.7	50.2	54.5
140°	38.1	36.3	35.5	36.3	38.1	38.9	40.7	43.3	46.7	49.3	53.6
142.5°	38.1	38.1	36.3	37.2	38.1	39.8	41.5	43.3	45.9	49.3	51.9
145°	38.9	38.9	38.1	38.9	38.9	39.8	41.5	43.3	45.9	48.5	51.0
147.5°	39.8	39.8	39.8	39.8	39.8	40.7	41.5	43.3	45.9	47.6	50.2
150°	39.8	39.8	40.7	40.7	41.5	41.5	42.4	43.3	45.9	47.6	49.3
152.5°	39.8	38.9	40.7	41.5	42.4	42.4	42.4	43.3	45.0	46.7	48.5
155°	38.9	38.1	39.8	40.7	41.5	42.4	43.3	43.3	45.0	45.9	47.6
157.5°	38.1	37.2	38.9	39.8	40.7	41.5	42.4	42.4	43.3	45.0	46.7
160°	37.2	36.3	37.2	38.9	39.8	40.7	41.5	41.5	42.4	43.3	45.0
162.5°	35.5	34.6	35.5	37.2	38.1	38.9	39.8	40.7	41.5	42.4	43.3
165°	32.9	32.9	32.9	34.6	36.3	37.2	38.1	38.9	39.8	40.7	41.5
167.5°	31.1	30.3	31.1	32.0	33.7	34.6	35.5	36.3	37.2	38.1	38.9
170°	31.1	30.3	30.3	31.1	32.0	32.0	32.9	33.7	34.6	35.5	36.3
172.5°	32.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	32.0	32.0
175°	32.0	32.0	31.1	31.1	30.3	30.3	30.3	30.3	29.4	28.6	28.6
177.5°	32.0	32.0	32.0	31.1	31.1	30.3	30.3	30.3	29.4	28.6	26.8
180°	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1



TEST NUMBER: P892574
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L835

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2	493.2
2.5°	492.3	492.3	488.8	492.3	493.2	491.4	490.6	492.3	489.7	488.0
5°	490.6	490.6	488.0	491.4	492.3	490.6	490.6	492.3	489.7	488.8
7.5°	487.1	488.0	486.2	489.7	490.6	488.8	488.8	490.6	488.8	487.1
10°	483.6	483.6	482.8	485.4	485.4	484.5	483.6	485.4	484.5	481.9
12.5°	478.5	479.3	477.6	481.0	481.9	480.2	480.2	481.9	480.2	478.5
15°	472.4	472.4	472.4	475.0	475.9	475.0	475.0	476.7	475.0	473.3
17.5°	464.6	465.5	465.5	468.9	469.8	468.1	468.1	470.7	469.8	467.2
20°	455.1	456.0	456.8	459.4	460.3	459.4	459.4	461.1	461.1	458.6
22.5°	445.6	445.6	447.3	449.9	450.8	449.9	449.9	452.5	452.5	449.0
25°	434.3	434.3	436.9	440.4	440.4	439.5	440.4	442.1	443.0	440.4
27.5°	423.1	423.9	426.5	430.0	430.0	430.0	430.0	432.6	432.6	430.9
30°	410.1	411.8	414.4	417.9	418.8	418.8	419.6	421.3	423.1	420.5
32.5°	397.1	398.9	402.3	406.6	407.5	408.4	409.2	412.7	414.4	411.8
35°	384.1	385.9	391.1	396.3	397.1	398.0	399.7	403.2	404.9	402.3
37.5°	371.2	373.8	380.7	385.0	386.7	387.6	390.2	392.8	396.3	392.8
40°	359.1	361.6	369.4	374.6	375.5	377.2	379.8	383.3	385.9	383.3
42.5°	346.1	349.5	357.3	363.4	365.1	366.8	369.4	372.9	376.4	374.6
45°	333.1	337.4	346.1	352.1	353.9	356.5	359.9	363.4	366.8	364.2
47.5°	320.1	325.3	334.8	340.9	342.6	346.1	349.5	353.0	356.5	354.7
50°	307.1	312.3	322.7	329.6	332.2	335.7	338.3	342.6	346.1	344.3
52.5°	295.0	300.2	311.5	318.4	321.0	324.4	327.9	332.2	335.7	334.0
55°	281.2	287.2	299.4	306.3	308.9	313.2	317.5	321.0	325.3	323.6
57.5°	269.1	276.0	288.1	295.9	298.5	302.8	307.1	311.5	315.8	313.2
60°	257.0	263.9	276.9	284.6	287.2	292.4	296.8	300.2	305.4	303.7
62.5°	244.8	252.6	264.7	273.4	276.9	281.2	285.5	289.8	294.2	293.3
65°	231.9	240.5	253.5	262.2	265.6	270.8	275.1	279.5	283.8	282.9
67.5°	221.5	230.1	243.1	251.8	255.2	260.4	265.6	269.9	274.3	273.4
70°	209.4	218.9	231.9	240.5	244.0	249.2	254.4	258.7	263.0	263.0
72.5°	199.0	208.5	221.5	230.1	234.5	239.7	244.8	249.2	253.5	252.6
75°	188.6	198.1	211.1	219.8	224.1	230.1	235.3	239.7	244.0	243.1
77.5°	177.4	187.7	200.7	209.4	213.7	219.8	224.9	229.3	233.6	232.7
80°	167.0	178.2	191.2	199.9	204.2	209.4	215.4	219.8	224.1	223.2
82.5°	157.5	168.7	182.6	191.2	195.5	200.7	206.8	211.1	214.6	214.6
85°	148.8	159.2	172.2	181.7	186.0	191.2	197.3	201.6	205.9	205.1
87.5°	140.2	150.5	162.7	172.2	176.5	181.7	188.6	192.9	196.4	196.4
90°	132.4	142.8	154.9	163.5	167.8	173.0	179.1	184.3	187.7	187.7
92.5°	125.5	135.0	147.1	154.9	159.2	164.4	171.3	174.8	178.2	178.2
95°	118.5	128.0	139.3	147.1	151.4	156.6	162.7	167.0	169.6	170.4
97.5°	111.6	121.1	132.4	139.3	143.6	148.8	154.9	158.3	160.9	161.8
100°	105.6	115.1	125.5	132.4	136.7	141.9	147.1	150.5	153.1	154.0
102.5°	100.4	109.0	119.4	126.3	129.8	134.1	140.2	143.6	146.2	146.2
105°	95.2	103.8	113.3	120.3	123.7	128.0	133.2	136.7	139.3	139.3
107.5°	90.0	98.6	107.3	114.2	117.7	121.1	126.3	129.8	132.4	132.4
110°	85.7	93.4	102.1	108.1	111.6	115.1	120.3	123.7	125.5	126.3



TEST NUMBER: P892574
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L835

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	82.2	89.1	96.9	103.0	106.4	109.9	114.2	117.7	119.4	120.3
115°	78.7	84.8	92.6	97.8	101.2	104.7	109.0	111.6	113.3	114.2
117.5°	75.3	81.3	88.2	93.4	96.0	99.5	103.8	106.4	108.1	109.0
120°	72.7	77.9	84.8	89.1	91.7	95.2	98.6	101.2	103.0	103.0
122.5°	69.2	75.3	80.5	84.8	87.4	90.0	94.3	96.0	97.8	97.8
125°	67.5	71.8	77.9	81.3	83.9	86.5	90.0	91.7	93.4	93.4
127.5°	64.9	69.2	74.4	77.9	79.6	82.2	85.7	87.4	88.2	89.1
130°	63.2	67.5	71.8	75.3	77.0	78.7	82.2	83.1	84.8	84.8
132.5°	61.4	64.9	69.2	71.8	73.5	75.3	77.9	79.6	80.5	81.3
135°	59.7	63.2	66.6	69.2	70.9	72.7	75.3	76.1	77.0	77.9
137.5°	58.0	61.4	64.0	66.6	67.5	69.2	71.8	72.7	73.5	73.5
140°	56.2	59.7	62.3	64.0	65.8	66.6	69.2	70.1	70.1	70.9
142.5°	55.4	58.0	59.7	61.4	63.2	64.0	65.8	66.6	67.5	67.5
145°	53.6	56.2	58.0	59.7	60.6	61.4	63.2	64.0	64.9	64.9
147.5°	52.8	54.5	56.2	58.0	58.8	59.7	61.4	61.4	62.3	62.3
150°	51.0	53.6	54.5	56.2	57.1	57.1	58.8	59.7	59.7	59.7
152.5°	50.2	51.9	52.8	53.6	54.5	55.4	56.2	57.1	57.1	57.1
155°	49.3	51.0	51.9	52.8	52.8	53.6	54.5	54.5	54.5	55.4
157.5°	48.5	49.3	50.2	51.0	51.0	51.9	52.8	52.8	52.8	52.8
160°	46.7	47.6	48.5	49.3	50.2	50.2	51.0	51.0	51.0	51.0
162.5°	44.1	45.9	46.7	47.6	48.5	48.5	49.3	49.3	49.3	49.3
165°	42.4	43.3	44.1	45.9	46.7	46.7	47.6	47.6	47.6	47.6
167.5°	40.7	40.7	41.5	42.4	44.1	45.0	45.9	46.7	46.7	46.7
170°	37.2	37.2	38.1	38.1	39.8	40.7	42.4	44.1	45.0	45.0
172.5°	32.9	32.9	33.7	32.9	33.7	33.7	34.6	36.3	38.1	38.9
175°	28.6	28.6	26.8	26.0	26.0	25.1	25.1	24.2	22.5	24.2
177.5°	25.1	24.2	22.5	20.8	20.8	19.9	19.9	18.2	16.4	16.4
180°	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1



TEST NUMBER: P892574
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L835

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	13.68	14.99	14.32	15.66	16.43	17.07	18.37	17.71	19.04	19.81
	3H	15.00	16.20	15.66	16.87	17.68	19.88	21.08	20.54	21.75	22.56
	4H	15.40	16.54	16.07	17.22	18.04	21.30	22.44	21.97	23.12	23.94
	6H	15.61	16.67	16.30	17.37	18.20	22.79	23.85	23.47	24.54	25.37
	8H	15.64	16.66	16.34	17.38	18.21	23.54	24.55	24.24	25.27	26.11
	12H	15.65	16.62	16.35	17.33	18.20	24.33	25.30	25.04	26.02	26.88
4H	2H	14.80	15.94	15.48	16.63	17.44	17.40	18.54	18.08	19.23	20.04
	3H	16.41	17.39	17.10	18.11	18.94	20.46	21.43	21.15	22.16	22.99
	4H	16.97	17.87	17.68	18.60	19.46	22.05	22.95	22.76	23.68	24.54
	6H	17.31	18.11	18.03	18.86	19.73	23.75	24.55	24.47	25.30	26.17
	8H	17.39	18.13	18.11	18.88	19.77	24.63	25.38	25.35	26.12	27.01
	12H	17.41	18.10	18.16	18.87	19.76	25.56	26.24	26.31	27.01	27.90
8H	4H	18.01	18.76	18.74	19.51	20.40	22.23	22.98	22.96	23.73	24.61
	6H	18.63	19.27	19.38	20.05	20.94	24.11	24.75	24.87	25.54	26.43
	8H	18.83	19.40	19.59	20.19	21.09	25.14	25.72	25.91	26.51	27.41
	12H	18.94	19.46	19.71	20.24	21.20	26.28	26.79	27.05	27.57	28.53
12H	4H	18.35	19.03	19.09	19.80	20.69	22.23	22.91	22.98	23.68	24.57
	6H	19.12	19.70	19.89	20.49	21.39	24.15	24.73	24.91	25.51	26.41
	8H	19.45	19.97	20.22	20.75	21.71	25.24	25.76	26.01	26.54	27.50