

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: P893456

Luminaire Tested: 4MB-3SL-RNDU-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893456
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-3SL-RNDU-UNV-L950
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

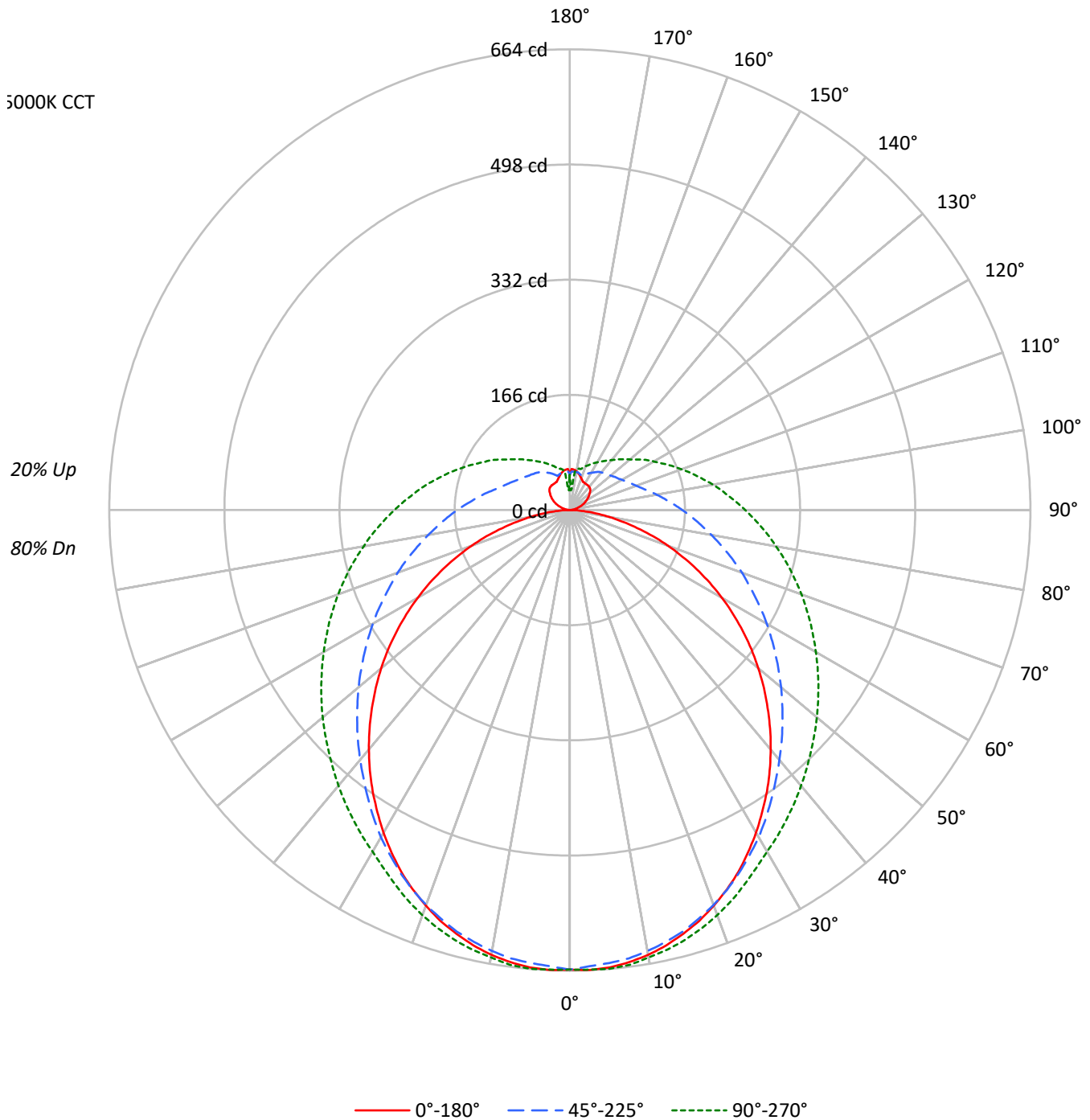
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2786.0 lumens
Efficiency: N/A
Efficacy: 132.0 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): 21.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.2
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893456
CATALOG NUMBER: 4MB-3SL-RNDU-UNV-L950

Luminous Intensity Polar Plot





TEST NUMBER: P893456

CATALOG NUMBER: 4MB-3SL-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	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	36	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°	4713	4713	4713
5°	4704	4513	4523
10°	4660	4338	4314
15°	4592	4160	4121
20°	4509	3972	3923
25°	4410	3783	3724
30°	4282	3593	3548
35°	4151	3397	3418
40°	4009	3220	3300
45°	3856	3063	3196
50°	3697	2923	3114
55°	3513	2794	3044
60°	3306	2687	2991
65°	3053	2594	2961
70°	2739	2536	2952
75°	2318	2494	2965
80°	1813	2493	3012
85°	1159	2559	3110

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3856 cd/sqm



TEST NUMBER: P893456
 CATALOG NUMBER: 4MB-3SL-RNDU-UNV-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.7	2.2
10°-20°	178.7	6.4
20°-30°	268.3	9.6
30°-40°	322.6	11.6
40°-50°	341.8	12.3
50°-60°	329.2	11.8
60°-70°	291.3	10.5
70°-80°	239.0	8.6
80°-90°	185.4	6.7
90°-100°	143.9	5.2
100°-110°	114.0	4.1
110°-120°	90.8	3.3
120°-130°	72.2	2.6
130°-140°	56.3	2.0
140°-150°	41.5	1.5
150°-160°	27.4	1.0
160°-170°	15.8	0.6
170°-180°	5.1	0.2
0°-30°	509.7	18.3
0°-40°	832.3	29.9
0°-60°	1503.3	54.0
0°-90°	2219.0	79.6
90°-120°	348.8	12.5
90°-150°	518.7	18.6
90°-180°	567.0	20.4
0°-180°	2786.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	662	662	662	662	662	
5°	662	662	655	660	664	63
15°	632	633	629	638	642	178
25°	575	577	577	592	596	265
35°	495	502	507	534	544	310
45°	403	413	434	475	492	311
55°	304	320	362	415	437	272
65°	202	229	294	356	383	200
75°	101	151	234	301	328	108
85°	23	91	183	250	277	26
90°	1	72	162	227	253	2
95°	3	59	143	205	230	3
105°	11	48	113	168	190	12
115°	23	46	94	137	155	22
125°	33	48	82	113	127	29
135°	42	51	74	94	103	32
145°	44	50	67	81	86	28
155°	45	52	57	69	73	21
165°	53	56	54	54	61	15
175°	59	58	56	46	31	6
180°	51	51	51	51	51	



TEST NUMBER: P893456
 CATALOG NUMBER: 4MB-3SL-RNDU-UNV-L950

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4
2.5°	663.6	663.0	664.3	665.5	669.3	664.3	666.8	659.9	660.5	661.1	658.0
5°	661.7	659.9	661.7	663.0	666.2	662.4	664.9	657.3	658.0	659.2	655.4
7.5°	657.3	655.4	656.7	658.0	661.1	657.3	660.5	652.9	654.2	654.8	651.7
10°	651.0	648.5	649.8	651.7	654.2	651.0	653.6	646.6	647.3	648.5	645.4
12.5°	642.8	640.3	641.6	642.8	646.0	642.8	645.4	638.4	639.7	640.9	637.8
15°	632.1	629.6	630.9	632.1	634.6	632.8	635.3	628.3	629.6	632.1	629.0
17.5°	620.8	617.0	618.3	620.2	622.7	621.4	623.3	617.6	618.3	620.8	617.6
20°	606.9	603.1	604.4	606.3	608.8	608.2	609.4	604.4	605.7	608.8	605.7
22.5°	591.8	588.0	589.3	591.8	593.7	593.7	594.3	590.5	591.8	594.9	592.4
25°	575.4	571.6	572.9	575.4	577.3	577.3	578.6	574.8	576.7	579.8	577.3
27.5°	556.5	554.6	554.6	557.1	558.4	559.6	560.3	557.1	559.6	562.8	560.9
30°	537.0	534.4	535.7	538.9	538.9	541.4	541.4	538.9	542.0	545.8	544.5
32.5°	516.2	514.3	514.9	518.7	518.7	521.8	521.2	519.9	523.1	527.5	526.2
35°	495.4	493.5	494.1	497.9	497.9	501.7	500.4	500.4	503.6	508.6	507.3
37.5°	473.3	472.0	472.7	476.5	476.5	480.2	479.0	479.6	483.4	489.1	488.4
40°	450.6	449.4	450.6	453.8	455.0	458.2	456.9	458.2	463.2	468.3	470.2
42.5°	427.3	426.7	427.9	431.1	432.3	435.5	434.9	436.8	441.8	449.4	451.9
45°	403.3	403.3	404.6	407.8	409.0	412.8	412.2	414.7	421.0	429.2	433.6
47.5°	379.4	380.0	380.7	384.4	384.4	390.7	388.9	392.6	400.8	410.3	415.3
50°	354.8	356.1	356.7	359.9	361.1	366.8	365.5	371.8	380.7	390.7	397.7
52.5°	330.2	331.5	332.8	335.3	336.5	343.5	342.2	350.4	361.1	371.8	379.4
55°	304.4	306.9	307.6	310.7	312.6	319.5	319.5	329.0	340.3	352.3	361.8
57.5°	279.2	281.7	282.3	286.1	288.6	296.8	298.1	308.8	321.4	333.4	344.7
60°	253.4	256.5	257.1	260.9	265.3	274.2	276.0	288.0	301.9	314.5	327.7
62.5°	227.5	230.7	231.9	235.7	242.6	251.5	254.6	268.5	283.0	296.8	311.3
65°	201.7	204.8	206.7	211.8	220.0	229.4	233.8	248.3	264.7	279.2	294.3
67.5°	175.8	179.6	182.1	188.4	199.2	209.2	213.6	230.0	247.1	262.8	278.6
70°	150.6	154.4	157.6	165.8	178.4	188.4	194.1	211.8	229.4	246.4	264.1
72.5°	126.0	129.8	134.2	144.3	158.2	169.5	175.8	194.1	213.6	230.7	248.9
75°	100.8	105.2	110.3	124.2	139.9	151.3	158.2	177.7	197.9	214.9	234.4
77.5°	78.1	82.6	90.1	104.0	121.6	134.2	141.8	162.6	183.4	200.4	220.6
80°	57.4	61.8	71.8	87.0	105.2	117.2	126.7	148.1	169.5	187.2	207.3
82.5°	39.1	43.5	55.5	71.8	91.4	103.4	112.2	134.9	156.3	174.6	194.7
85°	22.7	29.0	41.6	59.2	79.4	91.4	100.2	123.5	144.3	162.6	183.4
87.5°	10.1	17.6	31.5	49.2	69.3	80.7	90.1	111.6	133.6	151.9	172.7
90°	0.6	10.1	24.6	41.6	61.1	71.8	80.7	102.1	122.9	141.8	162.0
92.5°	1.3	6.9	20.2	35.9	54.2	64.9	73.7	93.9	113.4	133.0	152.5
95°	3.2	6.9	17.6	32.1	49.2	59.2	67.4	87.0	105.2	124.2	143.1
97.5°	5.0	7.6	17.0	30.3	45.4	54.8	62.4	80.7	98.9	116.0	134.9
100°	6.9	9.5	17.0	29.0	42.9	51.7	58.6	75.6	92.6	108.4	127.3
102.5°	8.8	11.3	18.3	29.0	41.6	49.2	56.1	71.8	87.6	102.1	119.7
105°	11.3	13.2	19.5	29.0	40.3	47.9	53.6	68.1	83.2	97.1	112.8
107.5°	13.9	15.1	20.8	29.6	40.3	46.6	52.3	65.5	79.4	92.0	107.1
110°	17.0	17.6	22.7	30.9	40.3	46.0	51.0	63.7	76.3	88.2	102.1



TEST NUMBER: P893456
 CATALOG NUMBER: 4MB-3SL-RNDU-UNV-L950

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	19.5	19.5	24.6	32.1	40.3	46.0	50.4	61.8	73.7	84.5	97.7
115°	22.7	22.7	26.5	33.4	41.0	46.0	50.4	61.1	71.8	81.3	93.9
117.5°	25.2	25.2	29.0	34.7	42.2	46.6	50.4	59.9	70.0	78.8	90.1
120°	27.7	27.7	30.3	35.9	42.9	47.3	50.4	59.2	68.1	76.9	87.0
122.5°	30.3	30.3	32.1	37.8	43.5	47.3	50.4	58.6	66.8	74.4	83.8
125°	32.8	32.8	34.0	39.1	44.7	47.9	51.0	58.6	66.2	72.5	81.9
127.5°	35.3	34.7	36.6	41.0	45.4	48.5	51.7	58.6	64.9	71.2	79.4
130°	37.2	36.6	39.1	42.2	46.6	49.2	51.7	58.0	64.3	70.0	76.9
132.5°	39.7	38.4	41.6	42.9	47.9	50.4	52.3	58.0	63.7	68.7	75.6
135°	41.6	40.3	43.5	44.7	48.5	51.0	52.9	58.0	63.0	68.1	73.7
137.5°	42.9	42.2	45.4	46.6	49.2	51.7	53.6	58.0	62.4	66.8	72.5
140°	43.5	42.9	45.4	47.9	49.2	51.7	52.9	57.4	61.8	65.5	70.6
142.5°	44.1	44.1	46.0	48.5	49.2	51.0	52.9	56.7	60.5	63.7	69.3
145°	44.1	44.1	46.0	49.2	49.8	50.4	51.7	55.5	58.6	61.8	66.8
147.5°	44.1	44.1	46.6	49.2	50.4	51.0	50.4	54.2	57.4	59.9	64.3
150°	44.1	44.1	46.6	49.2	51.0	51.7	51.0	52.9	55.5	58.0	61.8
152.5°	44.7	44.7	46.6	49.2	51.0	51.7	51.7	51.7	53.6	56.1	59.9
155°	44.7	45.4	46.6	50.4	51.7	52.3	52.3	52.3	51.7	54.2	57.4
157.5°	46.6	47.3	47.9	51.0	52.3	52.9	52.9	52.9	52.3	51.7	54.8
160°	48.5	49.2	49.8	52.3	53.6	54.2	54.2	54.2	52.9	52.3	52.3
162.5°	50.4	51.7	51.7	52.9	54.2	54.8	54.8	55.5	54.2	53.6	52.9
165°	52.9	53.6	53.6	54.2	55.5	56.1	55.5	56.1	55.5	54.8	54.2
167.5°	54.8	55.5	55.5	56.1	56.1	56.7	56.7	56.7	56.1	55.5	55.5
170°	56.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	56.7	55.5	55.5
172.5°	58.0	58.6	58.6	58.0	58.0	58.0	58.0	57.4	56.1	55.5	55.5
175°	58.6	59.2	59.2	58.6	58.0	58.0	58.0	57.4	56.1	55.5	55.5
177.5°	59.2	59.9	59.2	59.2	58.0	58.0	58.0	58.0	56.7	56.1	55.5
180°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4	662.4
2.5°	661.7	654.2	659.2	659.9	662.4	659.9	661.7	659.9	664.9	663.0
5°	659.2	652.3	656.7	657.3	660.5	657.3	660.5	659.2	665.5	663.6
7.5°	654.8	649.1	652.9	653.6	657.3	654.2	657.3	656.1	663.6	661.1
10°	648.5	644.1	647.9	648.5	652.3	649.1	651.7	650.4	658.6	654.8
12.5°	641.6	637.8	640.9	641.6	646.0	642.8	646.0	644.7	652.9	649.1
15°	631.5	629.6	632.8	634.0	638.4	635.9	639.1	637.8	646.6	641.6
17.5°	621.4	620.2	623.3	624.6	629.6	626.5	629.6	628.3	637.2	632.1
20°	608.8	608.2	611.3	613.2	617.6	614.5	618.3	617.0	626.5	621.4
22.5°	595.6	595.6	598.1	600.0	604.4	601.9	605.7	605.0	614.5	609.4
25°	581.1	581.7	584.2	586.7	591.8	589.9	593.1	593.1	601.9	595.6
27.5°	564.7	567.8	569.7	572.9	577.3	575.4	578.6	579.2	588.0	581.7
30°	547.7	552.1	554.0	557.8	561.5	561.5	564.7	566.0	574.8	568.5
32.5°	530.0	535.1	537.6	542.6	547.7	547.7	552.1	554.0	562.8	557.1
35°	512.4	519.3	522.5	528.8	533.8	534.4	538.9	541.4	550.2	544.5
37.5°	495.4	504.2	507.3	514.9	519.3	520.6	525.6	528.8	537.0	531.9
40°	477.7	488.4	492.2	500.4	504.2	506.7	511.7	515.5	523.1	518.7
42.5°	460.7	472.7	476.5	485.3	489.7	492.2	497.3	502.3	509.9	505.4
45°	443.7	456.9	461.3	470.8	474.6	478.3	484.0	488.4	495.4	491.6
47.5°	427.3	441.2	445.6	455.7	460.1	464.5	469.5	475.8	482.1	478.3
50°	410.3	424.8	430.4	441.2	444.9	450.0	456.3	462.0	468.3	465.1
52.5°	393.9	409.0	414.7	426.0	430.4	435.5	441.8	448.1	453.8	451.2
55°	376.2	392.6	398.9	410.9	415.3	420.4	427.3	434.2	439.3	437.4
57.5°	359.9	376.9	383.2	396.4	400.2	406.5	413.4	421.0	425.4	423.5
60°	343.5	360.5	368.1	381.3	385.7	392.0	398.9	407.1	410.9	409.7
62.5°	327.1	344.7	352.9	366.8	370.6	377.5	385.7	392.6	396.4	395.8
65°	312.0	329.0	338.4	352.3	356.1	363.6	371.2	378.8	382.6	382.6
67.5°	296.2	314.5	323.9	338.4	341.6	349.8	358.0	365.5	368.7	368.7
70°	281.7	299.4	310.1	324.6	327.7	335.3	344.1	352.3	354.8	355.5
72.5°	267.2	284.9	296.2	311.3	314.5	322.0	330.2	339.1	341.0	341.6
75°	253.4	271.0	282.3	297.5	300.6	308.2	317.0	325.2	327.7	328.4
77.5°	239.5	257.1	269.7	284.2	287.4	294.9	303.8	312.0	313.9	315.1
80°	226.9	243.9	255.9	271.6	274.8	282.3	290.5	298.7	300.0	301.9
82.5°	214.3	231.3	243.9	259.0	262.2	269.7	277.9	286.1	287.4	289.9
85°	202.3	219.3	231.9	246.4	250.2	257.1	266.0	273.5	274.8	276.7
87.5°	191.6	207.3	220.6	234.4	238.2	245.2	254.0	261.5	262.2	264.7
90°	180.2	196.0	209.2	223.1	226.9	233.2	242.0	249.6	250.8	252.7
92.5°	170.8	185.3	199.2	212.4	215.5	222.5	230.7	238.2	239.5	241.4
95°	160.7	175.2	189.1	201.7	204.8	211.8	219.3	226.9	228.1	230.0
97.5°	151.9	165.8	179.0	191.6	194.7	201.0	209.2	216.2	217.4	220.0
100°	143.7	156.9	170.8	182.1	185.3	191.6	199.2	206.1	207.3	209.9
102.5°	136.1	148.7	162.0	172.7	176.5	182.1	189.7	196.0	197.3	199.2
105°	129.2	141.2	153.8	163.9	167.6	173.3	180.2	186.5	187.8	189.7
107.5°	122.3	133.6	145.6	155.7	158.8	163.9	170.8	177.1	178.4	180.9
110°	116.0	127.3	138.7	148.1	151.9	155.7	162.6	168.3	169.5	171.4



TEST NUMBER: P893456
 CATALOG NUMBER: 4MB-3SL-RNDU-UNV-L950

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	110.3	120.4	131.7	140.5	143.7	148.1	153.8	159.4	160.7	163.2
115°	105.2	114.7	126.0	134.2	136.8	140.5	146.8	151.9	153.1	155.0
117.5°	100.8	109.0	119.1	127.3	130.5	133.6	139.3	143.7	145.6	146.8
120°	97.1	104.6	113.4	121.0	124.8	127.3	132.3	136.8	138.7	139.9
122.5°	93.3	100.2	108.4	115.3	118.5	120.4	126.0	129.8	131.7	133.6
125°	90.1	96.4	104.0	109.7	112.8	114.7	119.7	123.5	125.4	126.7
127.5°	87.0	92.6	100.2	104.6	107.8	109.0	113.4	117.2	119.1	119.7
130°	83.8	89.5	95.8	100.2	102.7	104.6	108.4	110.9	112.8	113.4
132.5°	81.3	86.3	92.0	96.4	98.9	99.6	103.4	105.9	107.8	108.4
135°	79.4	83.2	88.9	92.6	94.5	95.8	98.9	100.8	102.7	103.4
137.5°	76.9	80.7	85.7	88.2	90.8	91.4	94.5	96.4	98.3	98.9
140°	75.0	78.1	82.6	85.1	87.6	87.6	90.1	92.0	93.9	93.9
142.5°	73.1	76.3	80.0	82.6	84.5	84.5	87.0	88.2	90.1	90.1
145°	70.6	73.7	77.5	79.4	81.3	81.3	83.2	84.5	86.3	86.3
147.5°	68.1	71.2	75.0	76.3	78.1	78.1	80.0	81.3	82.6	82.6
150°	64.9	67.4	71.8	73.7	75.6	75.6	76.9	78.1	79.4	79.4
152.5°	62.4	64.3	68.1	70.6	72.5	72.5	73.7	75.0	76.3	76.3
155°	59.2	61.1	64.3	67.4	69.3	70.0	71.2	71.8	73.1	73.1
157.5°	56.7	58.6	61.1	63.7	65.5	66.8	68.7	69.3	70.0	70.0
160°	53.6	54.8	57.4	59.9	61.8	63.0	66.2	66.8	67.4	67.4
162.5°	52.3	52.3	53.6	55.5	57.4	58.0	61.1	63.7	64.9	64.3
165°	52.9	52.3	52.3	52.9	54.2	54.8	56.7	60.5	61.8	61.1
167.5°	54.2	52.9	52.3	52.3	53.6	53.6	55.5	58.6	62.4	61.1
170°	54.2	52.3	51.0	51.0	51.7	51.7	52.9	54.8	58.6	59.2
172.5°	53.6	52.3	50.4	47.9	48.5	47.9	47.3	48.5	49.2	55.5
175°	54.2	52.3	50.4	47.3	46.0	44.1	41.0	38.4	37.8	30.9
177.5°	53.6	51.7	49.2	46.6	45.4	42.9	39.1	34.7	32.1	28.4
180°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0



TEST NUMBER: P893456
 CATALOG NUMBER: 4MB-3SL-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	12.32	13.63	12.96	14.29	15.06	15.86	17.17	16.50	17.84	18.61
	3H	13.67	14.86	14.32	15.54	16.34	18.78	19.98	19.43	20.65	21.45
	4H	14.07	15.21	14.74	15.89	16.71	20.26	21.39	20.93	22.08	22.90
	6H	14.29	15.35	14.97	16.04	16.87	21.81	22.88	22.50	23.57	24.40
	8H	14.32	15.34	15.02	16.06	16.89	22.62	23.64	23.32	24.36	25.19
	12H	14.32	15.30	15.03	16.01	16.87	23.50	24.48	24.21	25.19	26.05
4H	2H	13.46	14.60	14.13	15.28	16.10	16.18	17.32	16.86	18.01	18.82
	3H	15.10	16.08	15.79	16.80	17.63	19.33	20.31	20.02	21.03	21.86
	4H	15.67	16.57	16.37	17.30	18.16	20.98	21.88	21.69	22.61	23.47
	6H	16.01	16.81	16.73	17.56	18.43	22.75	23.55	23.47	24.30	25.17
	8H	16.09	16.84	16.81	17.58	18.47	23.69	24.44	24.41	25.19	26.07
	12H	16.11	16.80	16.86	17.57	18.46	24.71	25.39	25.46	26.16	27.05
8H	4H	16.76	17.51	17.48	18.25	19.14	21.16	21.91	21.88	22.65	23.54
	6H	17.37	18.01	18.12	18.79	19.68	23.11	23.75	23.86	24.53	25.42
	8H	17.56	18.14	18.33	18.93	19.83	24.19	24.77	24.96	25.56	26.45
	12H	17.68	18.19	18.44	18.97	19.93	25.41	25.93	26.18	26.70	27.66
12H	4H	17.11	17.79	17.86	18.56	19.45	21.15	21.84	21.90	22.61	23.50
	6H	17.89	18.47	18.65	19.25	20.15	23.14	23.72	23.90	24.50	25.40
	8H	18.22	18.73	18.99	19.51	20.47	24.28	24.80	25.05	25.58	26.54