

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: P893343

Luminaire Tested: 4MB-2SL-RNDU-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893343
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-L940
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 4
Light Source: -
Ballast/Driver: -

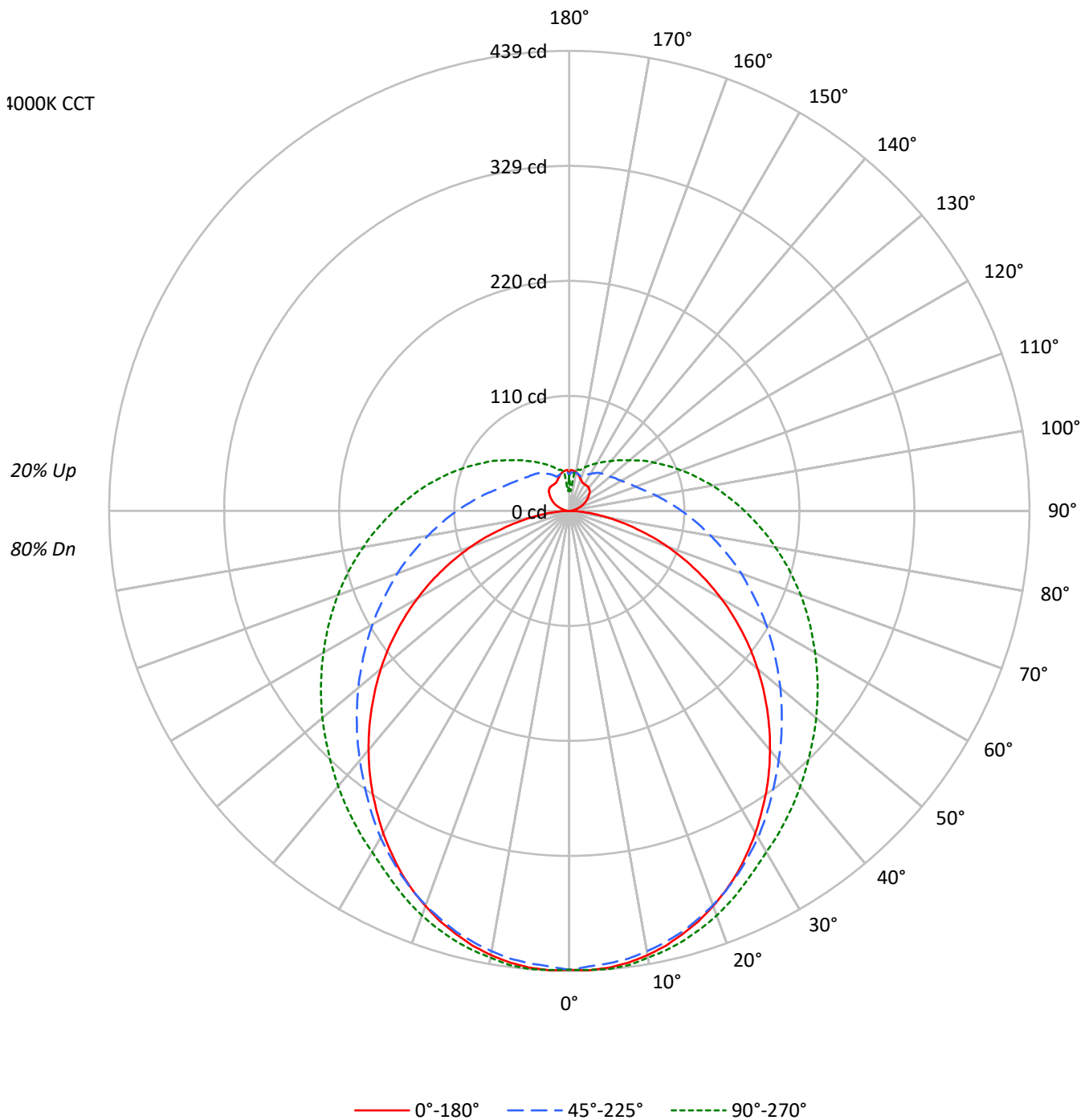
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1842.0 lumens
Efficiency: N/A
Efficacy: 133.5 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_{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

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Luminous Intensity Polar Plot





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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°	3116	3116	3116
5°	3110	2985	2991
10°	3081	2868	2852
15°	3036	2751	2725
20°	2982	2626	2594
25°	2915	2501	2462
30°	2831	2375	2346
35°	2744	2246	2260
40°	2650	2129	2182
45°	2550	2025	2113
50°	2444	1932	2059
55°	2323	1847	2013
60°	2185	1777	1977
65°	2018	1715	1958
70°	1811	1677	1951
75°	1534	1649	1960
80°	1197	1649	1991
85°	766	1692	2056

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2550 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	2.2
10°-20°	118.1	6.4
20°-30°	177.4	9.6
30°-40°	213.3	11.6
40°-50°	226.0	12.3
50°-60°	217.6	11.8
60°-70°	192.6	10.5
70°-80°	158.0	8.6
80°-90°	122.6	6.7
90°-100°	95.2	5.2
100°-110°	75.4	4.1
110°-120°	60.1	3.3
120°-130°	47.7	2.6
130°-140°	37.3	2.0
140°-150°	27.4	1.5
150°-160°	18.1	1.0
160°-170°	10.4	0.6
170°-180°	3.4	0.2
0°-30°	337.0	18.3
0°-40°	550.3	29.9
0°-60°	993.9	54.0
0°-90°	1467.1	79.6
90°-120°	230.6	12.5
90°-150°	343.0	18.6
90°-180°	375.0	20.4
0°-180°	1842.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	438	438	438	438	438	
5°	438	438	433	437	439	42
15°	418	418	416	422	424	118
25°	380	382	382	391	394	175
35°	328	332	335	353	360	205
45°	267	273	287	314	325	206
55°	201	211	239	275	289	180
65°	133	152	195	235	253	132
75°	67	100	155	199	217	71
85°	15	60	121	165	183	17
90°	0	48	107	150	167	1
95°	2	39	95	135	152	2
105°	8	32	75	111	125	8
115°	15	30	62	90	102	15
125°	22	32	54	75	84	19
135°	28	34	49	62	68	21
145°	29	33	44	54	57	18
155°	30	35	38	46	48	14
165°	35	37	36	36	40	10
175°	39	38	37	30	20	4
180°	34	34	34	34	34	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	437.9	437.9	437.9	437.9	437.9	437.9	437.9	437.9	437.9	437.9	437.9
2.5°	438.8	438.4	439.2	440.0	442.5	439.2	440.9	436.3	436.7	437.1	435.0
5°	437.5	436.3	437.5	438.4	440.4	437.9	439.6	434.6	435.0	435.9	433.4
7.5°	434.6	433.4	434.2	435.0	437.1	434.6	436.7	431.7	432.5	432.9	430.9
10°	430.4	428.8	429.6	430.9	432.5	430.4	432.1	427.5	427.9	428.8	426.7
12.5°	425.0	423.4	424.2	425.0	427.1	425.0	426.7	422.1	422.9	423.8	421.7
15°	417.9	416.3	417.1	417.9	419.6	418.4	420.0	415.4	416.3	417.9	415.9
17.5°	410.4	407.9	408.8	410.0	411.7	410.9	412.1	408.4	408.8	410.4	408.4
20°	401.3	398.8	399.6	400.9	402.5	402.1	402.9	399.6	400.4	402.5	400.4
22.5°	391.3	388.8	389.6	391.3	392.5	392.5	392.9	390.4	391.3	393.4	391.7
25°	380.4	377.9	378.8	380.4	381.7	381.7	382.5	380.0	381.3	383.4	381.7
27.5°	367.9	366.7	366.7	368.4	369.2	370.0	370.4	368.4	370.0	372.1	370.9
30°	355.0	353.4	354.2	356.3	356.3	357.9	357.9	356.3	358.4	360.9	360.0
32.5°	341.3	340.0	340.4	342.9	342.9	345.0	344.6	343.8	345.9	348.8	347.9
35°	327.5	326.3	326.7	329.2	329.2	331.7	330.8	330.8	332.9	336.3	335.4
37.5°	312.9	312.1	312.5	315.0	315.0	317.5	316.7	317.1	319.6	323.3	322.9
40°	297.9	297.1	297.9	300.0	300.8	302.9	302.1	302.9	306.3	309.6	310.8
42.5°	282.5	282.1	282.9	285.0	285.8	287.9	287.5	288.8	292.1	297.1	298.8
45°	266.7	266.7	267.5	269.6	270.4	272.9	272.5	274.2	278.3	283.8	286.7
47.5°	250.8	251.3	251.7	254.2	254.2	258.3	257.1	259.6	265.0	271.3	274.6
50°	234.6	235.4	235.8	237.9	238.8	242.5	241.7	245.8	251.7	258.3	262.9
52.5°	218.3	219.2	220.0	221.7	222.5	227.1	226.3	231.7	238.8	245.8	250.8
55°	201.3	202.9	203.3	205.4	206.7	211.3	211.3	217.5	225.0	232.9	239.2
57.5°	184.6	186.3	186.7	189.2	190.8	196.3	197.1	204.2	212.5	220.4	227.9
60°	167.5	169.6	170.0	172.5	175.4	181.3	182.5	190.4	199.6	207.9	216.7
62.5°	150.4	152.5	153.3	155.8	160.4	166.3	168.3	177.5	187.1	196.3	205.8
65°	133.3	135.4	136.7	140.0	145.4	151.7	154.6	164.2	175.0	184.6	194.6
67.5°	116.3	118.8	120.4	124.6	131.7	138.3	141.3	152.1	163.3	173.8	184.2
70°	99.6	102.1	104.2	109.6	117.9	124.6	128.3	140.0	151.7	162.9	174.6
72.5°	83.3	85.8	88.8	95.4	104.6	112.1	116.3	128.3	141.3	152.5	164.6
75°	66.7	69.6	72.9	82.1	92.5	100.0	104.6	117.5	130.8	142.1	155.0
77.5°	51.7	54.6	59.6	68.8	80.4	88.8	93.8	107.5	121.3	132.5	145.8
80°	37.9	40.8	47.5	57.5	69.6	77.5	83.8	97.9	112.1	123.8	137.1
82.5°	25.8	28.8	36.7	47.5	60.4	68.3	74.2	89.2	103.3	115.4	128.8
85°	15.0	19.2	27.5	39.2	52.5	60.4	66.3	81.7	95.4	107.5	121.3
87.5°	6.7	11.7	20.8	32.5	45.8	53.3	59.6	73.8	88.3	100.4	114.2
90°	0.4	6.7	16.3	27.5	40.4	47.5	53.3	67.5	81.3	93.8	107.1
92.5°	0.8	4.6	13.3	23.8	35.8	42.9	48.8	62.1	75.0	87.9	100.8
95°	2.1	4.6	11.7	21.3	32.5	39.2	44.6	57.5	69.6	82.1	94.6
97.5°	3.3	5.0	11.3	20.0	30.0	36.3	41.3	53.3	65.4	76.7	89.2
100°	4.6	6.3	11.3	19.2	28.3	34.2	38.8	50.0	61.3	71.7	84.2
102.5°	5.8	7.5	12.1	19.2	27.5	32.5	37.1	47.5	57.9	67.5	79.2
105°	7.5	8.8	12.9	19.2	26.7	31.7	35.4	45.0	55.0	64.2	74.6
107.5°	9.2	10.0	13.8	19.6	26.7	30.8	34.6	43.3	52.5	60.8	70.8
110°	11.3	11.7	15.0	20.4	26.7	30.4	33.8	42.1	50.4	58.3	67.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	12.9	12.9	16.3	21.3	26.7	30.4	33.3	40.8	48.8	55.8	64.6
115°	15.0	15.0	17.5	22.1	27.1	30.4	33.3	40.4	47.5	53.8	62.1
117.5°	16.7	16.7	19.2	22.9	27.9	30.8	33.3	39.6	46.3	52.1	59.6
120°	18.3	18.3	20.0	23.8	28.3	31.3	33.3	39.2	45.0	50.8	57.5
122.5°	20.0	20.0	21.3	25.0	28.8	31.3	33.3	38.8	44.2	49.2	55.4
125°	21.7	21.7	22.5	25.8	29.6	31.7	33.8	38.8	43.8	47.9	54.2
127.5°	23.3	22.9	24.2	27.1	30.0	32.1	34.2	38.8	42.9	47.1	52.5
130°	24.6	24.2	25.8	27.9	30.8	32.5	34.2	38.3	42.5	46.3	50.8
132.5°	26.3	25.4	27.5	28.3	31.7	33.3	34.6	38.3	42.1	45.4	50.0
135°	27.5	26.7	28.8	29.6	32.1	33.8	35.0	38.3	41.7	45.0	48.8
137.5°	28.3	27.9	30.0	30.8	32.5	34.2	35.4	38.3	41.3	44.2	47.9
140°	28.8	28.3	30.0	31.7	32.5	34.2	35.0	37.9	40.8	43.3	46.7
142.5°	29.2	29.2	30.4	32.1	32.5	33.8	35.0	37.5	40.0	42.1	45.8
145°	29.2	29.2	30.4	32.5	32.9	33.3	34.2	36.7	38.8	40.8	44.2
147.5°	29.2	29.2	30.8	32.5	33.3	33.8	33.3	35.8	37.9	39.6	42.5
150°	29.2	29.2	30.8	32.5	33.8	34.2	33.8	35.0	36.7	38.3	40.8
152.5°	29.6	29.6	30.8	32.5	33.8	34.2	34.2	34.2	35.4	37.1	39.6
155°	29.6	30.0	30.8	33.3	34.2	34.6	34.6	34.6	34.2	35.8	37.9
157.5°	30.8	31.3	31.7	33.8	34.6	35.0	35.0	35.0	34.6	34.2	36.3
160°	32.1	32.5	32.9	34.6	35.4	35.8	35.8	35.8	35.0	34.6	34.6
162.5°	33.3	34.2	34.2	35.0	35.8	36.3	36.3	36.7	35.8	35.4	35.0
165°	35.0	35.4	35.4	35.8	36.7	37.1	36.7	37.1	36.7	36.3	35.8
167.5°	36.3	36.7	36.7	37.1	37.1	37.5	37.5	37.5	37.1	36.7	36.7
170°	37.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.5	36.7	36.7
172.5°	38.3	38.8	38.8	38.3	38.3	38.3	38.3	37.9	37.1	36.7	36.7
175°	38.8	39.2	39.2	38.8	38.3	38.3	38.3	37.9	37.1	36.7	36.7
177.5°	39.2	39.6	39.2	39.2	38.3	38.3	38.3	38.3	37.5	37.1	36.7
180°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	437.9	437.9	437.9	437.9	437.9	437.9	437.9	437.9	437.9	437.9
2.5°	437.5	432.5	435.9	436.3	437.9	436.3	437.5	436.3	439.6	438.4
5°	435.9	431.3	434.2	434.6	436.7	434.6	436.7	435.9	440.0	438.8
7.5°	432.9	429.2	431.7	432.1	434.6	432.5	434.6	433.8	438.8	437.1
10°	428.8	425.9	428.4	428.8	431.3	429.2	430.9	430.0	435.4	432.9
12.5°	424.2	421.7	423.8	424.2	427.1	425.0	427.1	426.3	431.7	429.2
15°	417.5	416.3	418.4	419.2	422.1	420.4	422.5	421.7	427.5	424.2
17.5°	410.9	410.0	412.1	412.9	416.3	414.2	416.3	415.4	421.3	417.9
20°	402.5	402.1	404.2	405.4	408.4	406.3	408.8	407.9	414.2	410.9
22.5°	393.8	393.8	395.4	396.7	399.6	397.9	400.4	400.0	406.3	402.9
25°	384.2	384.6	386.3	387.9	391.3	390.0	392.1	392.1	397.9	393.8
27.5°	373.4	375.4	376.7	378.8	381.7	380.4	382.5	382.9	388.8	384.6
30°	362.1	365.0	366.3	368.8	371.3	371.3	373.4	374.2	380.0	375.9
32.5°	350.4	353.8	355.4	358.8	362.1	362.1	365.0	366.3	372.1	368.4
35°	338.8	343.4	345.4	349.6	352.9	353.4	356.3	357.9	363.8	360.0
37.5°	327.5	333.3	335.4	340.4	343.4	344.2	347.5	349.6	355.0	351.7
40°	315.8	322.9	325.4	330.8	333.3	335.0	338.4	340.9	345.9	342.9
42.5°	304.6	312.5	315.0	320.8	323.8	325.4	328.8	332.1	337.1	334.2
45°	293.3	302.1	305.0	311.3	313.8	316.3	320.0	322.9	327.5	325.0
47.5°	282.5	291.7	294.6	301.3	304.2	307.1	310.4	314.6	318.8	316.3
50°	271.3	280.8	284.6	291.7	294.2	297.5	301.7	305.4	309.6	307.5
52.5°	260.4	270.4	274.2	281.7	284.6	287.9	292.1	296.3	300.0	298.3
55°	248.8	259.6	263.8	271.7	274.6	277.9	282.5	287.1	290.4	289.2
57.5°	237.9	249.2	253.3	262.1	264.6	268.8	273.3	278.3	281.3	280.0
60°	227.1	238.3	243.3	252.1	255.0	259.2	263.8	269.2	271.7	270.8
62.5°	216.3	227.9	233.3	242.5	245.0	249.6	255.0	259.6	262.1	261.7
65°	206.3	217.5	223.8	232.9	235.4	240.4	245.4	250.4	252.9	252.9
67.5°	195.8	207.9	214.2	223.8	225.8	231.3	236.7	241.7	243.8	243.8
70°	186.3	197.9	205.0	214.6	216.7	221.7	227.5	232.9	234.6	235.0
72.5°	176.7	188.3	195.8	205.8	207.9	212.9	218.3	224.2	225.4	225.8
75°	167.5	179.2	186.7	196.7	198.8	203.8	209.6	215.0	216.7	217.1
77.5°	158.3	170.0	178.3	187.9	190.0	195.0	200.8	206.3	207.5	208.3
80°	150.0	161.3	169.2	179.6	181.7	186.7	192.1	197.5	198.3	199.6
82.5°	141.7	152.9	161.3	171.3	173.3	178.3	183.8	189.2	190.0	191.7
85°	133.8	145.0	153.3	162.9	165.4	170.0	175.8	180.8	181.7	182.9
87.5°	126.7	137.1	145.8	155.0	157.5	162.1	167.9	172.9	173.3	175.0
90°	119.2	129.6	138.3	147.5	150.0	154.2	160.0	165.0	165.8	167.1
92.5°	112.9	122.5	131.7	140.4	142.5	147.1	152.5	157.5	158.3	159.6
95°	106.3	115.8	125.0	133.3	135.4	140.0	145.0	150.0	150.8	152.1
97.5°	100.4	109.6	118.3	126.7	128.8	132.9	138.3	142.9	143.8	145.4
100°	95.0	103.8	112.9	120.4	122.5	126.7	131.7	136.3	137.1	138.8
102.5°	90.0	98.3	107.1	114.2	116.7	120.4	125.4	129.6	130.4	131.7
105°	85.4	93.3	101.7	108.3	110.8	114.6	119.2	123.3	124.2	125.4
107.5°	80.8	88.3	96.3	102.9	105.0	108.3	112.9	117.1	117.9	119.6
110°	76.7	84.2	91.7	97.9	100.4	102.9	107.5	111.3	112.1	113.3



TEST NUMBER: P893343
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L940

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	72.9	79.6	87.1	92.9	95.0	97.9	101.7	105.4	106.3	107.9
115°	69.6	75.8	83.3	88.8	90.4	92.9	97.1	100.4	101.3	102.5
117.5°	66.7	72.1	78.8	84.2	86.3	88.3	92.1	95.0	96.3	97.1
120°	64.2	69.2	75.0	80.0	82.5	84.2	87.5	90.4	91.7	92.5
122.5°	61.7	66.3	71.7	76.3	78.3	79.6	83.3	85.8	87.1	88.3
125°	59.6	63.8	68.8	72.5	74.6	75.8	79.2	81.7	82.9	83.8
127.5°	57.5	61.3	66.3	69.2	71.3	72.1	75.0	77.5	78.8	79.2
130°	55.4	59.2	63.3	66.3	67.9	69.2	71.7	73.3	74.6	75.0
132.5°	53.8	57.1	60.8	63.8	65.4	65.8	68.3	70.0	71.3	71.7
135°	52.5	55.0	58.8	61.3	62.5	63.3	65.4	66.7	67.9	68.3
137.5°	50.8	53.3	56.7	58.3	60.0	60.4	62.5	63.8	65.0	65.4
140°	49.6	51.7	54.6	56.3	57.9	57.9	59.6	60.8	62.1	62.1
142.5°	48.3	50.4	52.9	54.6	55.8	55.8	57.5	58.3	59.6	59.6
145°	46.7	48.8	51.3	52.5	53.8	53.8	55.0	55.8	57.1	57.1
147.5°	45.0	47.1	49.6	50.4	51.7	51.7	52.9	53.8	54.6	54.6
150°	42.9	44.6	47.5	48.8	50.0	50.0	50.8	51.7	52.5	52.5
152.5°	41.3	42.5	45.0	46.7	47.9	47.9	48.8	49.6	50.4	50.4
155°	39.2	40.4	42.5	44.6	45.8	46.3	47.1	47.5	48.3	48.3
157.5°	37.5	38.8	40.4	42.1	43.3	44.2	45.4	45.8	46.3	46.3
160°	35.4	36.3	37.9	39.6	40.8	41.7	43.8	44.2	44.6	44.6
162.5°	34.6	34.6	35.4	36.7	37.9	38.3	40.4	42.1	42.9	42.5
165°	35.0	34.6	34.6	35.0	35.8	36.3	37.5	40.0	40.8	40.4
167.5°	35.8	35.0	34.6	34.6	35.4	35.4	36.7	38.8	41.3	40.4
170°	35.8	34.6	33.8	33.8	34.2	34.2	35.0	36.3	38.8	39.2
172.5°	35.4	34.6	33.3	31.7	32.1	31.7	31.3	32.1	32.5	36.7
175°	35.8	34.6	33.3	31.3	30.4	29.2	27.1	25.4	25.0	20.4
177.5°	35.4	34.2	32.5	30.8	30.0	28.3	25.8	22.9	21.3	18.8
180°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8



TEST NUMBER: P893343
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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	10.88	12.19	11.52	12.85	13.62	14.42	15.73	15.07	16.40	17.17
	3H	12.23	13.43	12.88	14.10	14.90	17.34	18.54	18.00	19.21	20.02
	4H	12.63	13.77	13.30	14.46	15.27	18.82	19.96	19.49	20.64	21.46
	6H	12.85	13.91	13.53	14.61	15.44	20.38	21.44	21.06	22.13	22.96
	8H	12.88	13.90	13.58	14.62	15.45	21.18	22.20	21.88	22.92	23.75
	12H	12.89	13.86	13.59	14.57	15.44	22.06	23.04	22.77	23.75	24.61
4H	2H	12.02	13.16	12.70	13.85	14.66	14.74	15.88	15.42	16.57	17.38
	3H	13.66	14.64	14.35	15.36	16.20	17.89	18.87	18.58	19.59	20.43
	4H	14.23	15.13	14.94	15.86	16.72	19.54	20.45	20.25	21.17	22.03
	6H	14.57	15.37	15.29	16.12	16.99	21.32	22.11	22.04	22.86	23.73
	8H	14.65	15.40	15.37	16.15	17.03	22.25	23.00	22.98	23.75	24.63
	12H	14.67	15.36	15.42	16.13	17.02	23.27	23.96	24.02	24.73	25.62
8H	4H	15.32	16.07	16.04	16.82	17.70	19.72	20.47	20.44	21.22	22.10
	6H	15.93	16.57	16.68	17.36	18.24	21.67	22.31	22.42	23.10	23.98
	8H	16.12	16.70	16.89	17.49	18.39	22.75	23.33	23.52	24.12	25.02
	12H	16.24	16.76	17.01	17.53	18.49	23.97	24.49	24.74	25.27	26.22
12H	4H	15.67	16.36	16.42	17.13	18.02	19.71	20.40	20.46	21.17	22.06
	6H	16.45	17.03	17.22	17.82	18.72	21.70	22.28	22.47	23.07	23.97
	8H	16.78	17.30	17.55	18.08	19.03	22.85	23.36	23.62	24.14	25.10