

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: P893673

Luminaire Tested: 4MB-5SL-RNDU-UNV-L830

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893673
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-5SL-RNDU-UNV-L830
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5
Light Source: -
Ballast/Driver: -

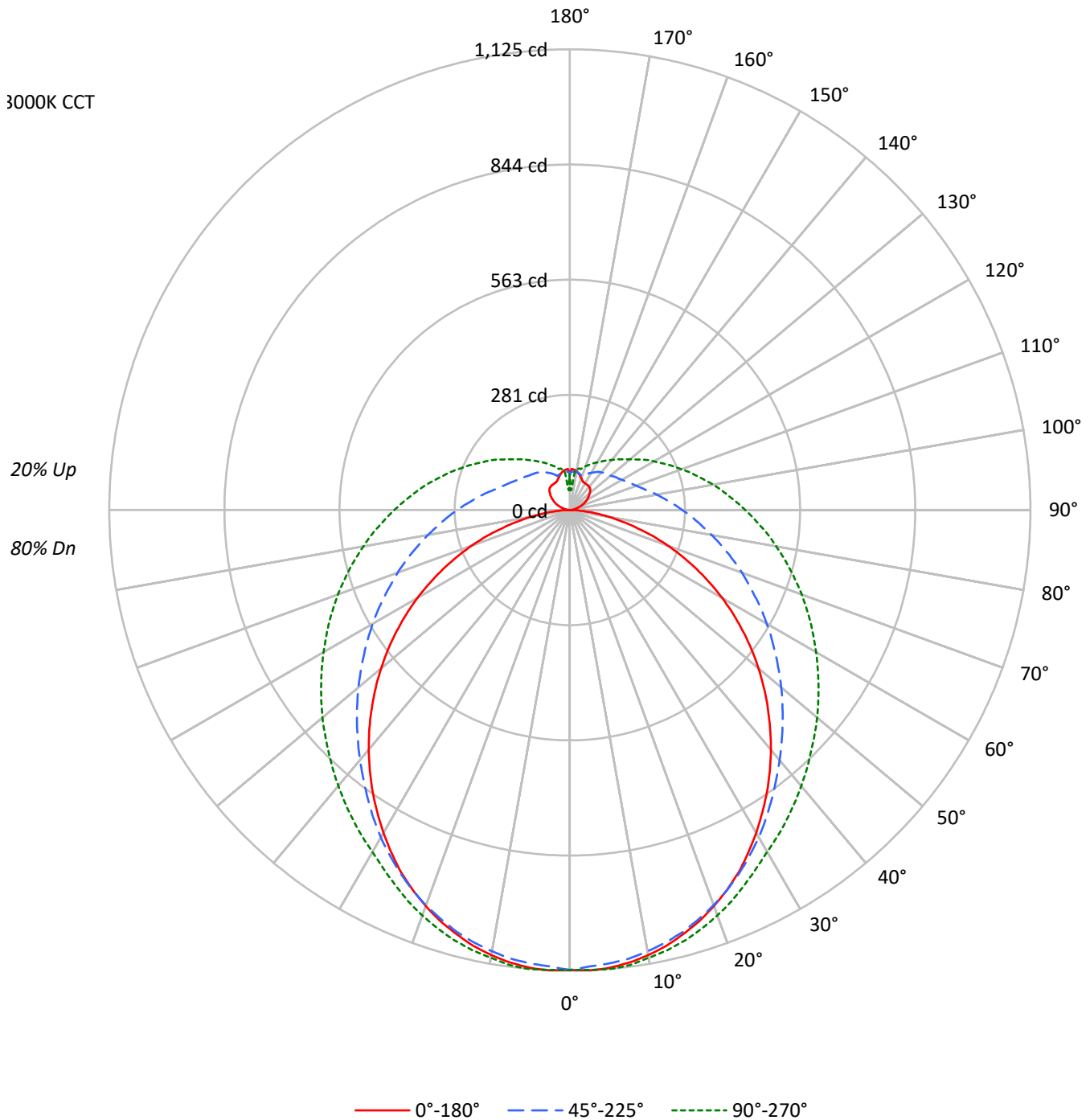
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4724.0 lumens
Efficiency: N/A
Efficacy: 135.0 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): 35
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 9.55
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893673
CATALOG NUMBER: 4MB-5SL-RNDU-UNV-L830

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°	7991	7991	7991
5°	7978	7654	7669
10°	7902	7356	7315
15°	7786	7054	6988
20°	7646	6735	6652
25°	7477	6415	6315
30°	7261	6092	6016
35°	7037	5760	5796
40°	6798	5460	5596
45°	6539	5193	5418
50°	6268	4956	5281
55°	5958	4737	5161
60°	5605	4557	5071
65°	5177	4399	5021
70°	4645	4300	5004
75°	3932	4229	5027
80°	3071	4228	5106
85°	1966	4339	5273

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6539 cd/sqm



TEST NUMBER: P893673
 CATALOG NUMBER: 4MB-5SL-RNDU-UNV-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.3	2.2
10°-20°	303.0	6.4
20°-30°	454.9	9.6
30°-40°	547.0	11.6
40°-50°	579.6	12.3
50°-60°	558.2	11.8
60°-70°	494.0	10.5
70°-80°	405.2	8.6
80°-90°	314.4	6.7
90°-100°	244.0	5.2
100°-110°	193.4	4.1
110°-120°	154.0	3.3
120°-130°	122.4	2.6
130°-140°	95.5	2.0
140°-150°	70.3	1.5
150°-160°	46.5	1.0
160°-170°	26.8	0.6
170°-180°	8.6	0.2
0°-30°	864.2	18.3
0°-40°	1411.2	29.9
0°-60°	2549.0	54.0
0°-90°	3762.5	79.6
90°-120°	591.4	12.5
90°-150°	879.6	18.6
90°-180°	961.0	20.3
0°-180°	4724.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1122	1123	1111	1120	1125	107
15°	1072	1073	1066	1082	1088	302
25°	976	979	979	1004	1010	449
35°	840	851	860	905	923	525
45°	684	700	735	805	834	528
55°	516	542	613	704	742	462
65°	342	389	499	604	649	338
75°	171	256	398	510	557	183
85°	38	155	311	424	469	44
90°	1	122	275	385	428	3
95°	5	100	243	347	390	6
105°	19	81	191	284	322	21
115°	38	78	159	232	263	38
125°	56	81	139	191	215	50
135°	70	87	125	160	175	54
145°	75	86	113	138	146	47
155°	76	89	97	118	124	36
165°	90	95	92	92	104	25
175°	99	98	94	78	52	9
180°	87	87	87	87	87	



TEST NUMBER: P893673
 CATALOG NUMBER: 4MB-5SL-RNDU-UNV-L830

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1
2.5°	1125.3	1124.2	1126.3	1128.5	1134.9	1126.3	1130.6	1118.9	1119.9	1121.0	1115.7
5°	1122.1	1118.9	1122.1	1124.2	1129.6	1123.1	1127.4	1114.6	1115.7	1117.8	1111.4
7.5°	1114.6	1111.4	1113.5	1115.7	1121.0	1114.6	1119.9	1107.1	1109.2	1110.3	1105.0
10°	1103.9	1099.6	1101.8	1105.0	1109.2	1103.9	1108.2	1096.4	1097.5	1099.6	1094.3
12.5°	1090.0	1085.7	1087.9	1090.0	1095.4	1090.0	1094.3	1082.5	1084.7	1086.8	1081.5
15°	1071.8	1067.6	1069.7	1071.8	1076.1	1072.9	1077.2	1065.4	1067.6	1071.8	1066.5
17.5°	1052.6	1046.2	1048.3	1051.5	1055.8	1053.7	1056.9	1047.3	1048.3	1052.6	1047.3
20°	1029.1	1022.7	1024.8	1028.0	1032.3	1031.2	1033.4	1024.8	1027.0	1032.3	1027.0
22.5°	1003.5	997.0	999.2	1003.5	1006.7	1006.7	1007.7	1001.3	1003.5	1008.8	1004.5
25°	975.7	969.3	971.4	975.7	978.9	978.9	981.0	974.6	977.8	983.1	978.9
27.5°	943.6	940.4	940.4	944.7	946.8	949.0	950.0	944.7	949.0	954.3	951.1
30°	910.5	906.2	908.3	913.7	913.7	918.0	918.0	913.7	919.0	925.4	923.3
32.5°	875.2	872.0	873.1	879.5	879.5	884.8	883.8	881.6	887.0	894.4	892.3
35°	839.9	836.7	837.8	844.2	844.2	850.6	848.5	848.5	853.8	862.4	860.3
37.5°	802.5	800.4	801.5	807.9	807.9	814.3	812.2	813.2	819.6	829.3	828.2
40°	764.1	761.9	764.1	769.4	771.6	776.9	774.8	776.9	785.4	794.0	797.2
42.5°	724.5	723.5	725.6	730.9	733.1	738.4	737.4	740.6	749.1	761.9	766.2
45°	683.9	683.9	686.1	691.4	693.5	700.0	698.9	703.2	713.9	727.7	735.2
47.5°	643.3	644.4	645.5	651.9	651.9	662.6	659.3	665.8	679.7	695.7	704.2
50°	601.6	603.8	604.8	610.2	612.3	621.9	619.8	630.5	645.5	662.6	674.3
52.5°	560.0	562.1	564.2	568.5	570.7	582.4	580.3	594.2	612.3	630.5	643.3
55°	516.2	520.4	521.5	526.8	530.0	541.8	541.8	557.8	577.1	597.4	613.4
57.5°	473.4	477.7	478.7	485.2	489.4	503.3	505.5	523.6	545.0	565.3	584.5
60°	429.6	434.9	436.0	442.4	449.9	464.9	468.1	488.4	511.9	533.3	555.7
62.5°	385.8	391.1	393.3	399.7	411.4	426.4	431.7	455.2	479.8	503.3	527.9
65°	342.0	347.3	350.5	359.1	373.0	389.0	396.5	421.0	448.8	473.4	499.1
67.5°	298.1	304.6	308.8	319.5	337.7	354.8	362.3	390.1	418.9	445.6	472.3
70°	255.4	261.8	267.2	281.1	302.4	319.5	329.1	359.1	389.0	417.8	447.8
72.5°	213.7	220.1	227.6	244.7	268.2	287.5	298.1	329.1	362.3	391.1	422.1
75°	171.0	178.5	187.0	210.5	237.2	256.5	268.2	301.4	335.6	364.4	397.5
77.5°	132.5	140.0	152.8	176.3	206.2	227.6	240.4	275.7	311.0	339.8	374.0
80°	97.2	104.7	121.8	147.5	178.5	198.8	214.8	251.1	287.5	317.4	351.6
82.5°	66.3	73.7	94.0	121.8	155.0	175.3	190.2	228.7	265.0	296.0	330.2
85°	38.5	49.2	70.5	100.5	134.6	155.0	169.9	209.5	244.7	275.7	311.0
87.5°	17.1	29.9	53.4	83.4	117.6	136.8	152.8	189.1	226.6	257.5	292.8
90°	1.1	17.1	41.7	70.5	103.7	121.8	136.8	173.1	208.4	240.4	274.6
92.5°	2.1	11.8	34.2	60.9	91.9	110.1	125.0	159.2	192.4	225.5	258.6
95°	5.3	11.8	29.9	54.5	83.4	100.5	114.3	147.5	178.5	210.5	242.6
97.5°	8.5	12.8	28.9	51.3	76.9	93.0	105.8	136.8	167.8	196.6	228.7
100°	11.8	16.0	28.9	49.2	72.7	87.6	99.4	128.2	157.1	183.8	215.9
102.5°	15.0	19.2	31.0	49.2	70.5	83.4	95.1	121.8	148.5	173.1	203.0
105°	19.2	22.4	33.1	49.2	68.4	81.2	90.8	115.4	141.1	164.6	191.3
107.5°	23.5	25.6	35.3	50.2	68.4	79.1	88.7	111.1	134.6	156.0	181.7
110°	28.9	29.9	38.5	52.4	68.4	78.0	86.6	107.9	129.3	149.6	173.1



TEST NUMBER: P893673
 CATALOG NUMBER: 4MB-5SL-RNDU-UNV-L830

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	33.1	33.1	41.7	54.5	68.4	78.0	85.5	104.7	125.0	143.2	165.6
115°	38.5	38.5	44.9	56.6	69.5	78.0	85.5	103.7	121.8	137.9	159.2
117.5°	42.7	42.7	49.2	58.8	71.6	79.1	85.5	101.5	118.6	133.6	152.8
120°	47.0	47.0	51.3	60.9	72.7	80.1	85.5	100.5	115.4	130.4	147.5
122.5°	51.3	51.3	54.5	64.1	73.7	80.1	85.5	99.4	113.3	126.1	142.1
125°	55.6	55.6	57.7	66.3	75.9	81.2	86.6	99.4	112.2	122.9	138.9
127.5°	59.8	58.8	62.0	69.5	76.9	82.3	87.6	99.4	110.1	120.8	134.6
130°	63.0	62.0	66.3	71.6	79.1	83.4	87.6	98.3	109.0	118.6	130.4
132.5°	67.3	65.2	70.5	72.7	81.2	85.5	88.7	98.3	107.9	116.5	128.2
135°	70.5	68.4	73.7	75.9	82.3	86.6	89.8	98.3	106.9	115.4	125.0
137.5°	72.7	71.6	76.9	79.1	83.4	87.6	90.8	98.3	105.8	113.3	122.9
140°	73.7	72.7	76.9	81.2	83.4	87.6	89.8	97.2	104.7	111.1	119.7
142.5°	74.8	74.8	78.0	82.3	83.4	86.6	89.8	96.2	102.6	107.9	117.6
145°	74.8	74.8	78.0	83.4	84.4	85.5	87.6	94.0	99.4	104.7	113.3
147.5°	74.8	74.8	79.1	83.4	85.5	86.6	85.5	91.9	97.2	101.5	109.0
150°	74.8	74.8	79.1	83.4	86.6	87.6	86.6	89.8	94.0	98.3	104.7
152.5°	75.9	75.9	79.1	83.4	86.6	87.6	87.6	87.6	90.8	95.1	101.5
155°	75.9	76.9	79.1	85.5	87.6	88.7	88.7	88.7	87.6	91.9	97.2
157.5°	79.1	80.1	81.2	86.6	88.7	89.8	89.8	89.8	88.7	87.6	93.0
160°	82.3	83.4	84.4	88.7	90.8	91.9	91.9	91.9	89.8	88.7	88.7
162.5°	85.5	87.6	87.6	89.8	91.9	93.0	93.0	94.0	91.9	90.8	89.8
165°	89.8	90.8	90.8	91.9	94.0	95.1	94.0	95.1	94.0	93.0	91.9
167.5°	93.0	94.0	94.0	95.1	95.1	96.2	96.2	96.2	95.1	94.0	94.0
170°	96.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	96.2	94.0	94.0
172.5°	98.3	99.4	99.4	98.3	98.3	98.3	98.3	97.2	95.1	94.0	94.0
175°	99.4	100.5	100.5	99.4	98.3	98.3	98.3	97.2	95.1	94.0	94.0
177.5°	100.5	101.5	100.5	100.5	98.3	98.3	98.3	98.3	96.2	95.1	94.0
180°	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1	1123.1
2.5°	1122.1	1109.2	1117.8	1118.9	1123.1	1118.9	1122.1	1118.9	1127.4	1124.2
5°	1117.8	1106.0	1113.5	1114.6	1119.9	1114.6	1119.9	1117.8	1128.5	1125.3
7.5°	1110.3	1100.7	1107.1	1108.2	1114.6	1109.2	1114.6	1112.5	1125.3	1121.0
10°	1099.6	1092.1	1098.6	1099.6	1106.0	1100.7	1105.0	1102.8	1116.7	1110.3
12.5°	1087.9	1081.5	1086.8	1087.9	1095.4	1090.0	1095.4	1093.2	1107.1	1100.7
15°	1070.8	1067.6	1072.9	1075.0	1082.5	1078.3	1083.6	1081.5	1096.4	1087.9
17.5°	1053.7	1051.5	1056.9	1059.0	1067.6	1062.2	1067.6	1065.4	1080.4	1071.8
20°	1032.3	1031.2	1036.6	1039.8	1047.3	1041.9	1048.3	1046.2	1062.2	1053.7
22.5°	1009.9	1009.9	1014.1	1017.3	1024.8	1020.5	1027.0	1025.9	1041.9	1033.4
25°	985.3	986.4	990.6	994.9	1003.5	1000.2	1005.6	1005.6	1020.5	1009.9
27.5°	957.5	962.8	966.0	971.4	978.9	975.7	981.0	982.1	997.0	986.4
30°	928.6	936.1	939.3	945.7	952.2	952.2	957.5	959.6	974.6	963.9
32.5°	898.7	907.3	911.5	920.1	928.6	928.6	936.1	939.3	954.3	944.7
35°	868.8	880.6	885.9	896.6	905.1	906.2	913.7	918.0	932.9	923.3
37.5°	839.9	854.9	860.3	873.1	880.6	882.7	891.2	896.6	910.5	901.9
40°	810.0	828.2	834.6	848.5	854.9	859.2	867.7	874.1	887.0	879.5
42.5°	781.2	801.5	807.9	822.9	830.3	834.6	843.2	851.7	864.5	857.0
45°	752.3	774.8	782.2	798.3	804.7	811.1	820.7	828.2	839.9	833.5
47.5°	724.5	748.0	755.5	772.6	780.1	787.6	796.1	806.8	817.5	811.1
50°	695.7	720.3	729.9	748.0	754.5	763.0	773.7	783.3	794.0	788.7
52.5°	667.9	693.5	703.2	722.4	729.9	738.4	749.1	759.8	769.4	765.1
55°	638.0	665.8	676.4	696.8	704.2	712.8	724.5	736.3	744.8	741.6
57.5°	610.2	639.0	649.7	672.2	678.6	689.3	701.0	713.9	721.3	718.1
60°	582.4	611.3	624.1	646.5	654.0	664.7	676.4	690.3	696.8	694.6
62.5°	554.6	584.5	598.4	621.9	628.4	640.1	654.0	665.8	672.2	671.1
65°	529.0	557.8	573.9	597.4	603.8	616.6	629.4	642.3	648.7	648.7
67.5°	502.3	533.3	549.3	573.9	579.2	593.1	607.0	619.8	625.2	625.2
70°	477.7	507.6	525.8	550.3	555.7	568.5	583.5	597.4	601.6	602.7
72.5°	453.1	483.0	502.3	527.9	533.3	546.1	560.0	574.9	578.1	579.2
75°	429.6	459.5	478.7	504.4	509.7	522.6	537.5	551.4	555.7	556.8
77.5°	406.1	436.0	457.4	482.0	487.3	500.1	515.1	529.0	532.2	534.3
80°	384.7	413.6	433.9	460.6	465.9	478.7	492.6	506.5	508.7	511.9
82.5°	363.3	392.2	413.6	439.2	444.6	457.4	471.3	485.2	487.3	491.6
85°	343.0	371.9	393.3	417.8	424.2	436.0	451.0	463.8	465.9	469.1
87.5°	324.9	351.6	374.0	397.5	403.9	415.7	430.7	443.5	444.6	448.8
90°	305.6	332.3	354.8	378.3	384.7	395.4	410.4	423.2	425.3	428.5
92.5°	289.6	314.2	337.7	360.1	365.5	377.2	391.1	403.9	406.1	409.3
95°	272.5	297.1	320.6	342.0	347.3	359.1	371.9	384.7	386.8	390.1
97.5°	257.5	281.1	303.5	324.9	330.2	340.9	354.8	366.5	368.7	373.0
100°	243.6	266.1	289.6	308.8	314.2	324.9	337.7	349.4	351.6	355.9
102.5°	230.8	252.2	274.6	292.8	299.2	308.8	321.7	332.3	334.5	337.7
105°	219.1	239.4	260.7	277.8	284.3	293.9	305.6	316.3	318.5	321.7
107.5°	207.3	226.6	246.9	264.0	269.3	277.8	289.6	300.3	302.4	306.7
110°	196.6	215.9	235.1	251.1	257.5	264.0	275.7	285.3	287.5	290.7



TEST NUMBER: P893673
 CATALOG NUMBER: 4MB-5SL-RNDU-UNV-L830

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	187.0	204.1	223.3	238.3	243.6	251.1	260.7	270.4	272.5	276.8
115°	178.5	194.5	213.7	227.6	231.9	238.3	249.0	257.5	259.7	262.9
117.5°	171.0	184.9	202.0	215.9	221.2	226.6	236.2	243.6	246.9	249.0
120°	164.6	177.4	192.4	205.2	211.6	215.9	224.4	231.9	235.1	237.2
122.5°	158.2	169.9	183.8	195.6	200.9	204.1	213.7	220.1	223.3	226.6
125°	152.8	163.5	176.3	185.9	191.3	194.5	203.0	209.5	212.7	214.8
127.5°	147.5	157.1	169.9	177.4	182.7	184.9	192.4	198.8	202.0	203.0
130°	142.1	151.7	162.4	169.9	174.2	177.4	183.8	188.1	191.3	192.4
132.5°	137.9	146.4	156.0	163.5	167.8	168.8	175.3	179.5	182.7	183.8
135°	134.6	141.1	150.7	157.1	160.3	162.4	167.8	171.0	174.2	175.3
137.5°	130.4	136.8	145.3	149.6	153.9	155.0	160.3	163.5	166.7	167.8
140°	127.2	132.5	140.0	144.3	148.5	148.5	152.8	156.0	159.2	159.2
142.5°	124.0	129.3	135.7	140.0	143.2	143.2	147.5	149.6	152.8	152.8
145°	119.7	125.0	131.4	134.6	137.9	137.9	141.1	143.2	146.4	146.4
147.5°	115.4	120.8	127.2	129.3	132.5	132.5	135.7	137.9	140.0	140.0
150°	110.1	114.3	121.8	125.0	128.2	128.2	130.4	132.5	134.6	134.6
152.5°	105.8	109.0	115.4	119.7	122.9	122.9	125.0	127.2	129.3	129.3
155°	100.5	103.7	109.0	114.3	117.6	118.6	120.8	121.8	124.0	124.0
157.5°	96.2	99.4	103.7	107.9	111.1	113.3	116.5	117.6	118.6	118.6
160°	90.8	93.0	97.2	101.5	104.7	106.9	112.2	113.3	114.3	114.3
162.5°	88.7	88.7	90.8	94.0	97.2	98.3	103.7	107.9	110.1	109.0
165°	89.8	88.7	88.7	89.8	91.9	93.0	96.2	102.6	104.7	103.7
167.5°	91.9	89.8	88.7	88.7	90.8	90.8	94.0	99.4	105.8	103.7
170°	91.9	88.7	86.6	86.6	87.6	87.6	89.8	93.0	99.4	100.5
172.5°	90.8	88.7	85.5	81.2	82.3	81.2	80.1	82.3	83.4	94.0
175°	91.9	88.7	85.5	80.1	78.0	74.8	69.5	65.2	64.1	52.4
177.5°	90.8	87.6	83.4	79.1	76.9	72.7	66.3	58.8	54.5	48.1
180°	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6



TEST NUMBER: P893673
 CATALOG NUMBER: 4MB-5SL-RNDU-UNV-L830

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	14.15	15.46	14.79	16.13	16.90	17.70	19.01	18.34	19.67	20.44
	3H	15.50	16.70	16.15	17.37	18.18	20.61	21.81	21.27	22.49	23.29
	4H	15.90	17.04	16.58	17.73	18.54	22.09	23.23	22.76	23.92	24.73
	6H	16.12	17.18	16.81	17.88	18.71	23.65	24.71	24.33	25.41	26.24
	8H	16.15	17.17	16.85	17.89	18.72	24.46	25.48	25.15	26.19	27.03
	12H	16.16	17.13	16.86	17.85	18.71	25.34	26.31	26.04	27.02	27.89
4H	2H	15.29	16.43	15.97	17.12	17.93	18.02	19.16	18.69	19.84	20.66
	3H	16.94	17.91	17.62	18.64	19.47	21.17	22.14	21.85	22.87	23.70
	4H	17.50	18.41	18.21	19.13	19.99	22.82	23.72	23.52	24.44	25.30
	6H	17.85	18.64	18.57	19.39	20.26	24.59	25.38	25.31	26.13	27.00
	8H	17.92	18.67	18.65	19.42	20.30	25.52	26.27	26.25	27.02	27.90
	12H	17.95	18.63	18.69	19.40	20.29	26.54	27.23	27.29	28.00	28.89
8H	4H	18.59	19.34	19.32	20.09	20.97	22.99	23.74	23.72	24.49	25.37
	6H	19.20	19.84	19.96	20.63	21.51	24.94	25.58	25.70	26.37	27.25
	8H	19.40	19.98	20.16	20.76	21.66	26.02	26.60	26.79	27.39	28.29
	12H	19.51	20.03	20.28	20.81	21.76	27.24	27.76	28.01	28.54	29.50
12H	4H	18.94	19.63	19.69	20.40	21.29	22.99	23.67	23.73	24.44	25.33
	6H	19.72	20.30	20.49	21.09	21.99	24.97	25.55	25.74	26.34	27.24
	8H	20.05	20.57	20.82	21.35	22.30	26.12	26.64	26.89	27.42	28.37