

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: P893560

Luminaire Tested: 4MB-4SL-RND-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-4SL-RND-UNV-L950
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

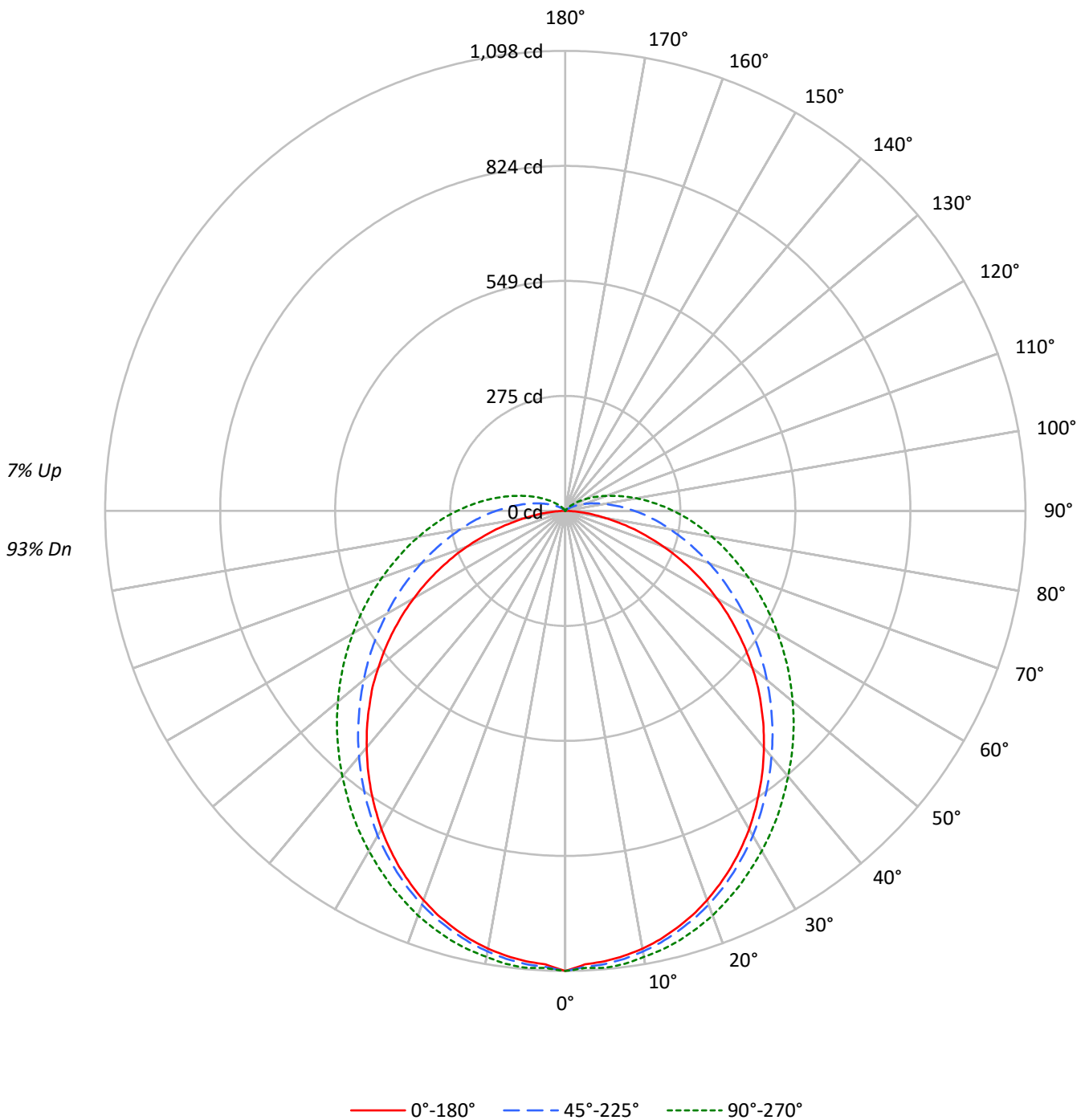
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3635.1 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.5
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893560
CATALOG NUMBER: 4MB-4SL-RND-UNV-L950

Luminous Intensity Polar Plot





TEST NUMBER: P893560

CATALOG NUMBER: 4MB-4SL-RND-UNV-L950

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7812	7812	7812
5°	7707	7756	7818
10°	7666	7716	7809
15°	7588	7652	7809
20°	7488	7572	7781
25°	7359	7467	7737
30°	7207	7356	7701
35°	7030	7224	7687
40°	6847	7110	7685
45°	6657	7011	7738
50°	6448	6952	7837
55°	6213	6938	8026
60°	5942	7005	8326
65°	5613	7189	8823
70°	5201	7597	9669
75°	4701	8456	11219
80°	3979	10420	14574
85°	3225	16972	24972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 45966 cd/sqm



TEST NUMBER: P893560
 CATALOG NUMBER: 4MB-4SL-RND-UNV-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	2.9
10°-20°	295.9	8.1
20°-30°	443.0	12.2
30°-40°	528.2	14.5
40°-50°	547.9	15.1
50°-60°	508.3	14.0
60°-70°	424.0	11.7
70°-80°	316.1	8.7
80°-90°	210.5	5.8
90°-100°	128.2	3.5
100°-110°	71.6	2.0
110°-120°	35.8	1.0
120°-130°	15.0	0.4
130°-140°	4.7	0.1
140°-150°	1.2	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	842.7	23.2
0°-40°	1371.0	37.7
0°-60°	2427.1	66.8
0°-90°	3377.8	92.9
90°-120°	235.5	6.5
90°-150°	256.3	7.1
90°-180°	257.0	7.1
0°-180°	3635.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1098	1098	1098	1098	1098	
5°	1079	1104	1086	1092	1095	102
15°	1030	1057	1039	1058	1060	290
25°	937	962	951	978	986	432
35°	809	831	832	873	885	506
45°	662	679	697	752	769	511
55°	501	518	559	625	647	448
65°	333	360	427	499	524	330
75°	171	218	308	382	408	181
85°	40	108	208	279	306	44
90°	2	71	165	233	258	3
95°	0	44	127	191	213	0
105°	0	14	70	118	136	0
115°	1	3	33	66	79	1
125°	1	1	13	32	40	1
135°	1	1	3	11	15	1
145°	1	1	1	3	3	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	0
175°	2	2	2	1	0	0
180°	2	2	2	2	2	



TEST NUMBER: P893560
 CATALOG NUMBER: 4MB-4SL-RND-UNV-L950

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0
2.5°	1083.4	1085.2	1100.6	1099.8	1097.2	1107.5	1110.1	1101.5	1087.7	1101.5	1089.4
5°	1079.1	1080.9	1096.3	1095.5	1092.9	1104.1	1104.9	1097.2	1083.4	1097.2	1086.0
7.5°	1071.4	1073.1	1088.6	1087.7	1086.0	1097.2	1096.3	1090.3	1075.7	1090.3	1078.3
10°	1061.1	1062.0	1078.3	1076.6	1075.7	1086.9	1084.3	1079.1	1064.5	1079.1	1068.0
12.5°	1047.3	1048.2	1064.5	1062.8	1062.8	1073.1	1069.7	1065.4	1050.8	1064.5	1055.1
15°	1030.2	1031.0	1046.5	1045.6	1045.6	1056.8	1051.6	1048.2	1034.5	1049.1	1038.8
17.5°	1011.3	1010.4	1026.7	1025.0	1026.7	1037.0	1030.2	1028.4	1015.6	1029.3	1020.7
20°	988.9	988.9	1003.5	1002.7	1005.2	1014.7	1006.1	1007.0	994.1	1008.7	1000.1
22.5°	964.0	963.1	977.8	977.8	980.3	989.8	980.3	982.9	970.0	983.8	976.9
25°	937.4	935.7	950.3	950.3	954.6	962.3	952.0	955.4	943.4	957.1	951.1
27.5°	908.2	905.6	920.2	921.0	924.5	932.2	921.0	926.2	915.0	927.9	923.6
30°	877.2	874.7	889.3	890.1	894.4	900.4	889.3	896.1	885.8	898.7	895.3
32.5°	843.7	842.0	855.7	857.5	861.8	866.1	855.7	862.6	854.0	866.9	863.5
35°	809.4	807.6	820.5	823.1	827.4	830.8	819.7	829.1	821.4	833.4	831.7
37.5°	774.1	771.5	785.3	787.0	792.2	793.9	783.6	794.7	787.9	799.9	799.0
40°	737.2	734.6	748.4	750.1	755.2	755.2	746.6	758.7	753.5	764.7	765.5
42.5°	700.2	697.7	709.7	713.1	717.4	717.4	708.8	721.7	718.3	729.4	732.0
45°	661.6	659.0	670.2	673.6	678.8	678.8	670.2	684.8	682.2	693.4	696.8
47.5°	623.8	620.3	630.6	634.1	639.2	638.4	631.5	646.1	645.2	656.4	662.4
50°	582.5	579.9	590.3	593.7	599.7	598.0	592.8	608.3	608.3	619.5	628.1
52.5°	542.1	539.6	549.9	553.3	558.5	558.5	553.3	569.6	572.2	583.4	593.7
55°	500.9	497.5	507.8	511.2	517.2	518.1	513.8	530.1	535.3	548.2	559.3
57.5°	459.7	457.9	466.5	470.0	477.7	477.7	475.1	492.3	499.2	512.9	525.8
60°	417.6	415.8	423.6	427.9	436.5	438.2	436.5	454.5	464.0	477.7	492.3
62.5°	375.5	373.7	381.5	387.5	396.9	398.7	399.5	418.4	428.7	443.3	459.7
65°	333.4	331.6	339.4	346.3	357.4	360.0	362.6	382.3	394.4	409.8	427.0
67.5°	291.3	290.4	298.1	306.7	318.8	322.2	326.5	347.1	360.9	377.2	396.1
70°	250.0	249.2	256.9	267.2	281.8	286.1	291.3	311.9	329.1	346.3	365.2
72.5°	208.8	209.6	218.2	230.3	246.6	250.9	257.8	279.2	298.1	316.2	335.9
75°	171.0	171.0	180.4	194.2	212.2	218.2	226.0	248.3	268.1	287.0	307.6
77.5°	132.3	132.3	143.5	160.7	180.4	186.4	195.9	219.1	240.6	259.5	280.1
80°	97.1	98.8	111.7	128.9	149.5	157.2	168.4	191.6	214.8	233.7	254.3
82.5°	66.2	68.7	82.5	102.2	122.9	130.6	141.8	166.7	189.9	209.6	231.1
85°	39.5	43.8	58.4	78.2	99.7	108.3	120.3	143.5	166.7	186.4	207.9
87.5°	18.0	24.1	39.5	59.3	79.9	89.4	99.7	122.0	145.2	165.0	187.3
90°	1.7	10.3	25.8	43.0	62.7	71.3	81.6	103.1	125.4	143.5	165.0
92.5°	0.0	4.3	15.5	30.9	48.1	56.7	66.2	86.8	106.5	124.6	145.2
95°	0.0	1.7	8.6	21.5	36.1	43.8	52.4	71.3	91.1	108.3	127.2
97.5°	0.0	0.9	5.2	14.6	26.6	33.5	41.2	58.4	76.5	92.8	110.0
100°	0.0	0.9	2.6	9.5	19.8	24.9	32.6	47.3	63.6	78.2	95.4
102.5°	0.0	0.0	1.7	6.0	14.6	18.9	24.9	37.8	52.4	66.2	81.6
105°	0.0	0.0	0.9	4.3	10.3	13.7	18.9	30.1	43.0	55.0	69.6
107.5°	0.0	0.0	0.9	2.6	6.9	10.3	14.6	23.2	34.4	45.5	58.4
110°	0.9	0.9	0.9	1.7	5.2	7.7	10.3	18.0	28.4	37.8	49.0



TEST NUMBER: P893560
 CATALOG NUMBER: 4MB-4SL-RND-UNV-L950

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.9	0.9	0.9	0.9	3.4	5.2	7.7	13.7	22.3	30.1	40.4
115°	0.9	0.9	0.9	0.9	2.6	3.4	5.2	10.3	17.2	24.1	32.6
117.5°	0.9	0.9	0.9	0.9	1.7	2.6	3.4	7.7	12.9	18.9	26.6
120°	0.9	0.9	0.9	0.9	0.9	1.7	2.6	5.2	10.3	14.6	21.5
122.5°	0.9	0.9	0.9	0.9	0.9	1.7	1.7	4.3	7.7	11.2	16.3
125°	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	5.2	8.6	12.9
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	3.4	6.0	9.5
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	4.3	6.9
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	3.4	5.2
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	2.6	3.4
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	2.6
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
145°	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9
155°	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9	0.9	0.9
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9
160°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9	0.9
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9	0.9
167.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9
170°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
172.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.9
175°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
177.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P893560

CATALOG NUMBER: 4MB-4SL-RND-UNV-L950

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0	1098.0
2.5°	1092.9	1095.5	1098.0	1091.2	1095.5	1103.2	1105.8	1095.5	1098.9	1092.0
5°	1089.4	1091.2	1094.6	1086.0	1092.0	1098.9	1103.2	1094.6	1099.8	1094.6
7.5°	1082.6	1084.3	1088.6	1080.0	1087.7	1093.7	1098.9	1090.3	1095.5	1090.3
10°	1072.3	1074.8	1080.9	1070.5	1080.0	1085.2	1090.3	1080.9	1086.0	1080.9
12.5°	1059.4	1063.7	1068.8	1059.4	1068.8	1073.1	1080.0	1070.5	1076.6	1072.3
15°	1043.9	1048.2	1055.1	1045.6	1057.7	1061.1	1068.0	1058.5	1064.5	1060.2
17.5°	1025.9	1031.0	1039.6	1028.4	1042.2	1044.8	1051.6	1043.1	1049.1	1044.8
20°	1005.2	1010.4	1019.0	1008.7	1022.4	1024.1	1031.9	1024.1	1030.2	1027.6
22.5°	981.2	987.2	995.8	986.3	1001.0	1001.0	1010.4	1002.7	1009.5	1007.0
25°	956.3	963.1	972.6	962.3	977.8	977.8	988.1	980.3	987.2	985.5
27.5°	929.6	937.4	948.5	938.2	953.7	952.8	963.1	956.3	964.0	961.4
30°	901.3	909.9	921.0	912.5	928.8	927.1	937.4	931.4	938.2	937.4
32.5°	870.4	879.8	893.6	884.1	900.4	898.7	911.6	904.7	913.3	911.6
35°	839.4	849.7	863.5	854.9	872.9	870.4	883.2	877.2	885.8	885.0
37.5°	807.6	818.8	832.6	825.7	842.9	840.3	854.0	848.9	858.3	855.7
40°	775.0	786.2	800.8	794.7	812.8	809.4	824.0	819.7	829.1	827.4
42.5°	742.3	754.4	769.0	765.5	782.7	779.3	793.9	790.5	799.9	798.2
45°	708.8	721.7	737.2	733.7	751.8	748.4	763.0	760.4	769.8	769.0
47.5°	675.3	689.1	704.5	702.8	720.0	716.6	732.0	729.4	738.9	738.9
50°	641.0	656.4	671.9	671.0	688.2	684.8	698.5	698.5	708.8	708.0
52.5°	606.6	622.9	639.2	639.2	656.4	653.0	668.4	667.6	677.9	677.9
55°	573.9	588.5	604.9	608.3	624.6	619.5	635.8	637.5	646.1	647.0
57.5°	541.3	556.8	573.1	577.4	592.8	589.4	604.9	606.6	615.2	616.0
60°	508.6	523.2	539.6	545.6	561.0	557.6	573.1	574.8	584.2	585.1
62.5°	476.0	490.6	508.6	514.7	529.3	526.7	543.0	544.7	553.3	555.0
65°	444.2	459.7	476.8	485.4	499.2	495.7	512.1	513.8	523.2	524.1
67.5°	413.3	428.7	445.9	455.4	468.3	466.5	482.0	485.4	493.2	494.9
70°	383.2	398.7	416.7	426.2	439.0	438.2	452.8	455.4	464.0	464.8
72.5°	354.0	369.4	387.5	398.7	409.8	409.0	423.6	427.0	435.6	436.5
75°	325.6	342.0	359.1	371.2	382.3	381.5	396.1	399.5	407.3	408.1
77.5°	299.0	315.3	333.4	345.4	354.8	355.7	368.6	372.0	379.8	382.3
80°	274.1	289.5	306.7	319.6	328.2	329.9	342.0	346.3	352.3	355.7
82.5°	250.0	265.5	282.7	294.7	303.3	305.0	316.2	321.3	327.3	329.9
85°	226.8	242.3	258.6	271.5	279.2	280.1	291.3	296.4	301.6	305.9
87.5°	204.5	220.0	235.4	249.2	256.0	257.8	268.1	273.2	277.5	281.8
90°	182.1	197.6	213.1	226.0	232.8	233.7	244.9	250.0	254.3	257.8
92.5°	161.5	177.0	192.5	205.3	211.4	213.1	222.5	228.5	232.0	235.4
95°	141.8	157.2	171.0	184.7	190.7	193.3	201.9	207.1	211.4	213.1
97.5°	124.6	138.3	151.2	165.0	170.1	172.7	181.3	187.3	190.7	192.5
100°	108.3	121.1	133.2	146.1	151.2	153.8	161.5	166.7	170.1	172.7
102.5°	93.7	105.7	116.8	128.9	134.0	135.8	142.6	147.8	151.2	153.8
105°	80.8	91.9	102.2	113.4	117.7	120.3	126.3	130.6	134.0	135.8
107.5°	68.7	79.9	88.5	98.8	103.1	104.8	110.8	116.0	118.6	119.4
110°	58.4	67.9	76.5	85.1	90.2	91.9	97.1	101.4	104.0	104.8



TEST NUMBER: P893560
 CATALOG NUMBER: 4MB-4SL-RND-UNV-L950

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	49.0	57.6	65.3	73.0	77.3	79.0	84.2	88.5	90.2	91.1
115°	40.4	49.0	55.0	62.7	66.2	67.9	72.2	76.5	77.3	79.0
117.5°	32.6	40.4	46.4	52.4	55.8	57.6	61.0	64.4	66.2	67.0
120°	26.6	32.6	37.8	43.8	46.4	48.1	51.6	55.0	55.8	56.7
122.5°	21.5	26.6	30.9	36.1	38.7	40.4	43.0	45.5	46.4	47.3
125°	16.3	21.5	24.9	29.2	31.8	32.6	35.2	37.8	38.7	39.5
127.5°	12.9	16.3	19.8	23.2	24.9	25.8	28.4	30.1	30.9	31.8
130°	9.5	12.0	14.6	18.0	19.8	20.6	22.3	24.1	24.9	24.9
132.5°	6.9	9.5	11.2	13.7	14.6	15.5	17.2	18.9	18.9	19.8
135°	4.3	6.0	7.7	9.5	11.2	11.2	12.9	13.7	14.6	14.6
137.5°	3.4	4.3	5.2	6.9	7.7	8.6	8.6	10.3	10.3	10.3
140°	2.6	3.4	3.4	4.3	5.2	6.0	6.0	6.9	6.9	6.9
142.5°	1.7	2.6	2.6	3.4	3.4	4.3	4.3	4.3	5.2	5.2
145°	1.7	1.7	1.7	2.6	2.6	2.6	2.6	3.4	3.4	3.4
147.5°	0.9	0.9	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6
150°	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
175°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
177.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P893560
 CATALOG NUMBER: 4MB-4SL-RND-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	17.43	18.97	17.90	19.42	19.91	19.00	20.54	19.47	20.99	21.48
	3H	19.11	20.51	19.59	20.98	21.50	21.63	23.03	22.11	23.50	24.02
	4H	19.70	21.03	20.21	21.52	22.06	22.94	24.27	23.44	24.75	25.29
	6H	20.10	21.34	20.62	21.84	22.40	24.34	25.58	24.86	26.08	26.64
	8H	20.22	21.41	20.75	21.93	22.49	25.09	26.28	25.62	26.80	27.36
	12H	20.29	21.44	20.83	21.95	22.54	25.94	27.08	26.48	27.60	28.19
4H	2H	18.36	19.69	18.86	20.17	20.71	19.55	20.88	20.06	21.37	21.91
	3H	20.34	21.47	20.85	22.00	22.56	22.47	23.60	22.99	24.13	24.70
	4H	21.11	22.15	21.65	22.69	23.29	23.99	25.03	24.53	25.57	26.17
	6H	21.69	22.61	22.25	23.18	23.79	25.64	26.56	26.19	27.12	27.73
	8H	21.87	22.74	22.44	23.31	23.93	26.52	27.38	27.08	27.95	28.57
	12H	22.00	22.79	22.58	23.38	24.01	27.52	28.31	28.10	28.90	29.53
8H	4H	21.99	22.86	22.55	23.42	24.04	24.35	25.22	24.92	25.78	26.41
	6H	22.87	23.61	23.47	24.21	24.84	26.26	26.99	26.85	27.60	28.23
	8H	23.22	23.89	23.83	24.50	25.14	27.34	28.00	27.94	28.62	29.26
	12H	23.49	24.09	24.10	24.69	25.40	28.60	29.20	29.21	29.80	30.51
12H	4H	22.27	23.06	22.85	23.65	24.28	24.40	25.18	24.98	25.78	26.40
	6H	23.32	23.99	23.93	24.60	25.24	26.36	27.03	26.97	27.65	28.29
	8H	23.84	24.44	24.45	25.04	25.75	27.56	28.16	28.17	28.76	29.47