

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: P893632

Luminaire Tested: 4MB-5SL-FLTU-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-5SL-FLTU-UNV-L950
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 500
Light Source: -
Ballast/Driver: -

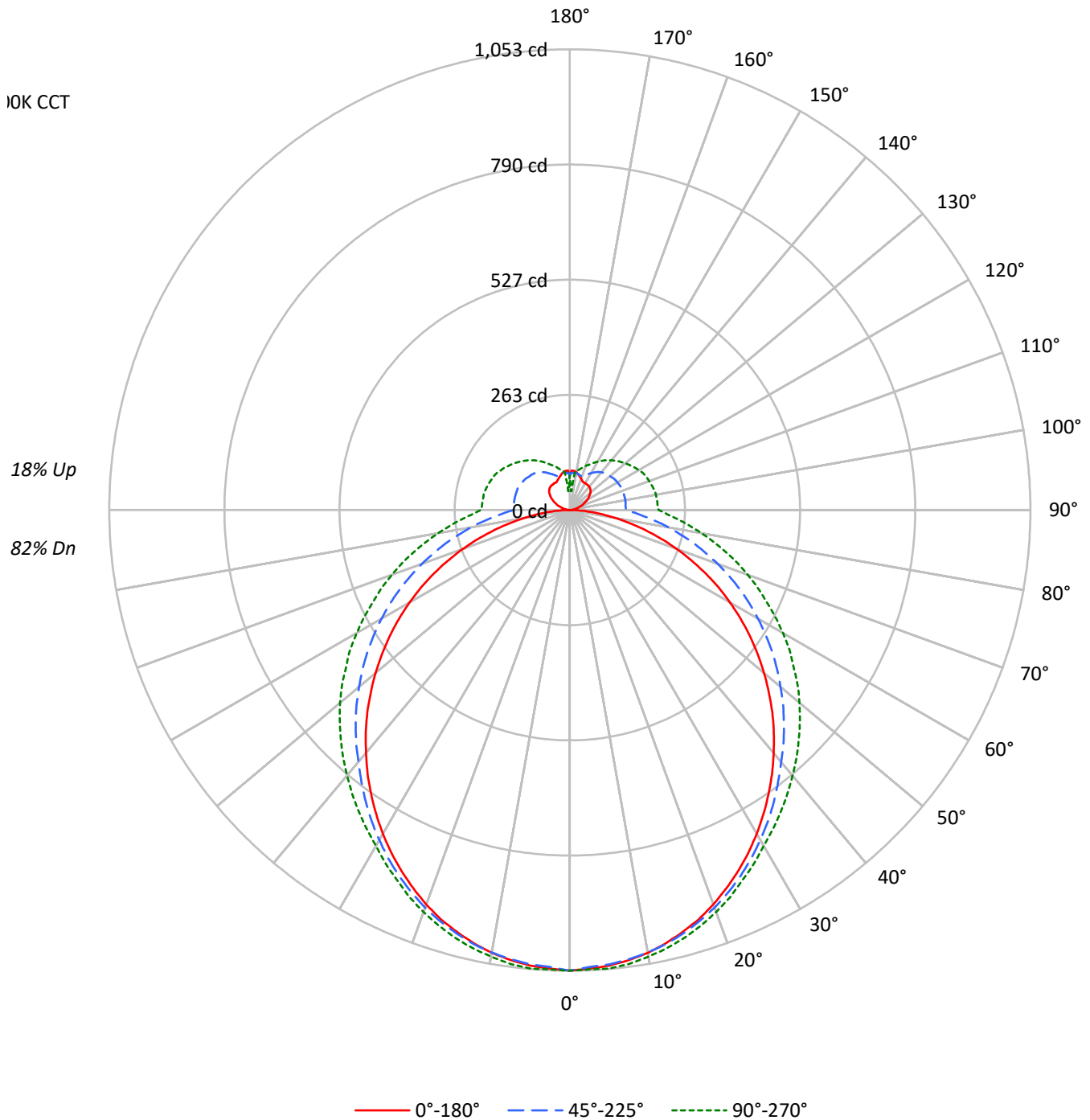
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3980.0 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 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: P893632
CATALOG NUMBER: 4MB-5SL-FLTU-UNV-L950

Luminous Intensity Polar Plot





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CATALOG NUMBER: 4MB-5SL-FLTU-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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7491	7491	7491
5°	7430	7177	7168
10°	7358	6902	6828
15°	7250	6626	6503
20°	7129	6343	6173
25°	6978	6049	5838
30°	6816	5748	5532
35°	6638	5446	5281
40°	6450	5149	5040
45°	6260	4890	4812
50°	6040	4622	4590
55°	5803	4359	4342
60°	5519	4077	4106
65°	5181	3779	3840
70°	4739	3453	3592
75°	4135	3119	3324
80°	3343	2763	3049
85°	2308	2401	2799

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6260 cd/sqm



TEST NUMBER: P893632

CATALOG NUMBER: 4MB-5SL-FLTU-UNV-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	2.5
10°-20°	284.0	7.1
20°-30°	426.6	10.7
30°-40°	512.3	12.9
40°-50°	538.6	13.5
50°-60°	506.1	12.7
60°-70°	420.8	10.6
70°-80°	300.3	7.5
80°-90°	178.7	4.5
90°-100°	129.4	3.3
100°-110°	127.7	3.2
110°-120°	119.9	3.0
120°-130°	106.3	2.7
130°-140°	88.1	2.2
140°-150°	65.9	1.7
150°-160°	43.3	1.1
160°-170°	24.6	0.6
170°-180°	7.8	0.2
0°-30°	810.1	20.4
0°-40°	1322.4	33.2
0°-60°	2367.1	59.5
0°-90°	3267.0	82.1
90°-120°	377.0	9.5
90°-150°	637.2	16.0
90°-180°	713.0	17.9
0°-180°	3980.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1053	1053	1053	1053	1053	
5°	1045	1058	1042	1045	1052	99
15°	998	1013	1002	1009	1012	282
25°	910	928	923	932	934	419
35°	792	810	813	834	841	496
45°	655	673	692	728	740	505
55°	503	523	564	610	624	449
65°	342	370	429	483	496	339
75°	180	220	293	350	368	191
85°	45	99	172	230	249	49
90°	0	57	128	184	203	3
95°	5	60	128	182	201	5
105°	18	66	129	180	197	20
115°	36	72	128	172	189	36
125°	54	77	124	162	174	48
135°	66	81	117	147	158	51
145°	70	79	106	131	138	44
155°	71	80	89	111	117	33
165°	82	86	84	85	98	23
175°	90	89	85	72	43	8
180°	79	79	79	79	79	



TEST NUMBER: P893632
 CATALOG NUMBER: 4MB-5SL-FLTU-UNV-L950

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8
2.5°	1048.9	1051.8	1052.8	1062.4	1058.5	1062.4	1055.7	1048.0	1046.0	1050.9	1045.1
5°	1045.1	1048.0	1048.9	1058.5	1054.7	1057.6	1051.8	1044.1	1042.2	1048.0	1042.2
7.5°	1037.4	1040.3	1041.2	1051.8	1047.0	1050.9	1044.1	1036.4	1035.5	1041.2	1035.5
10°	1027.8	1030.7	1031.6	1041.2	1037.4	1041.2	1034.5	1026.8	1025.9	1032.6	1026.8
12.5°	1014.3	1017.2	1019.1	1028.7	1023.9	1028.7	1021.0	1013.4	1014.3	1020.1	1016.2
15°	998.0	1001.8	1002.8	1012.4	1008.6	1013.4	1005.7	998.0	999.9	1005.7	1001.8
17.5°	980.7	984.5	985.5	994.1	990.3	996.1	987.4	980.7	982.6	988.4	985.5
20°	959.5	963.4	965.3	973.9	970.1	975.9	967.2	961.4	963.4	970.1	967.2
22.5°	935.5	941.3	942.2	951.8	947.0	952.8	944.1	939.3	942.2	948.9	946.1
25°	910.5	916.3	917.2	926.8	923.0	927.8	919.1	914.3	918.2	924.9	923.0
27.5°	883.6	889.3	891.3	899.9	896.1	901.8	892.2	889.3	893.2	899.9	898.0
30°	854.7	860.5	861.5	870.1	867.2	873.0	864.3	860.5	866.3	873.0	871.1
32.5°	824.0	829.7	832.6	840.3	837.4	842.2	834.5	832.6	837.4	844.1	843.2
35°	792.2	798.0	800.9	809.5	805.7	810.5	802.8	800.9	808.6	813.4	813.4
37.5°	759.5	765.3	768.2	776.8	772.0	777.8	770.1	769.2	777.8	782.6	782.6
40°	724.9	731.7	734.5	742.2	738.4	743.2	736.5	737.4	745.1	750.9	751.8
42.5°	690.3	697.0	699.9	708.6	703.8	708.6	702.8	703.8	712.4	718.2	723.0
45°	654.7	660.5	663.4	673.0	667.2	673.0	667.2	669.2	677.8	686.5	692.2
47.5°	617.2	623.0	627.8	635.5	630.7	635.5	631.7	634.6	645.1	653.8	661.5
50°	579.7	585.5	590.3	597.1	592.2	599.0	594.2	598.0	611.5	620.1	628.8
52.5°	541.3	546.1	553.8	557.6	553.8	561.5	557.6	563.4	576.9	587.4	597.1
55°	502.8	507.6	515.3	518.2	514.4	523.0	520.1	527.8	542.3	553.8	564.4
57.5°	463.4	468.2	475.0	477.8	475.0	484.6	483.6	492.3	506.7	519.2	530.7
60°	423.0	427.8	433.6	436.5	436.5	446.1	446.1	456.7	472.1	483.6	497.1
62.5°	383.6	386.5	392.3	396.1	399.0	408.6	408.6	420.1	436.5	450.0	463.4
65°	342.3	345.2	350.0	354.8	359.6	370.2	371.1	383.6	400.0	413.4	428.8
67.5°	300.9	303.8	308.6	314.4	321.1	331.7	333.6	347.1	364.4	379.8	394.2
70°	260.6	261.5	267.3	275.0	282.7	293.2	296.1	310.5	328.8	344.2	359.6
72.5°	220.2	221.1	226.9	236.5	245.2	256.7	260.6	275.9	294.2	309.6	325.0
75°	179.8	180.8	188.4	200.0	209.6	220.2	225.0	241.3	259.6	275.9	293.2
77.5°	141.3	143.3	150.9	162.5	174.0	186.5	191.3	207.7	227.9	243.2	259.6
80°	105.8	107.7	116.3	128.8	141.3	152.9	158.6	175.0	196.1	211.5	229.8
82.5°	73.1	76.0	86.5	100.0	112.5	125.0	130.8	146.1	165.4	182.7	200.0
85°	45.2	49.0	59.6	74.0	87.5	99.0	104.8	121.1	139.4	155.8	172.1
87.5°	21.2	26.9	37.5	51.9	66.3	76.0	82.7	99.0	116.3	132.7	149.0
90°	0.0	8.7	19.2	33.7	48.1	56.7	64.4	79.8	97.1	112.5	127.9
92.5°	1.9	9.6	21.2	34.6	49.0	57.7	65.4	80.8	97.1	112.5	127.9
95°	4.8	10.6	22.1	36.5	51.0	59.6	66.3	81.7	98.1	113.4	127.9
97.5°	8.7	13.5	25.0	38.5	52.9	60.6	68.3	83.6	99.0	114.4	128.8
100°	11.5	15.4	26.9	40.4	54.8	62.5	70.2	84.6	100.0	115.4	128.8
102.5°	14.4	19.2	29.8	42.3	56.7	64.4	71.1	85.6	101.0	115.4	128.8
105°	18.3	22.1	31.7	45.2	58.6	66.3	73.1	87.5	101.9	116.3	128.8
107.5°	22.1	25.0	34.6	47.1	60.6	67.3	74.0	88.5	102.9	116.3	128.8
110°	26.9	28.8	37.5	49.0	61.5	69.2	76.0	89.4	102.9	116.3	128.8



TEST NUMBER: P893632

CATALOG NUMBER: 4MB-5SL-FLTU-UNV-L950

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	31.7	31.7	40.4	51.0	63.5	70.2	76.9	90.4	103.8	116.3	128.8
115°	35.6	36.5	43.3	52.9	65.4	72.1	77.9	90.4	103.8	116.3	127.9
117.5°	40.4	40.4	47.1	54.8	66.3	73.1	79.8	91.3	103.8	115.4	126.9
120°	45.2	44.2	50.0	57.7	68.3	74.0	80.8	92.3	103.8	115.4	125.9
122.5°	50.0	48.1	51.9	59.6	69.2	76.0	80.8	92.3	103.8	114.4	125.0
125°	53.8	51.9	54.8	62.5	71.1	76.9	81.7	92.3	103.8	113.4	124.0
127.5°	57.7	55.8	58.6	64.4	72.1	76.9	82.7	92.3	103.8	112.5	122.1
130°	61.5	58.6	62.5	66.3	74.0	77.9	82.7	92.3	102.9	111.5	120.2
132.5°	64.4	61.5	65.4	68.3	75.0	78.8	83.6	92.3	101.9	110.6	119.2
135°	66.3	63.5	68.3	70.2	76.9	80.8	84.6	92.3	101.0	109.6	117.3
137.5°	68.3	64.4	70.2	72.1	77.9	81.7	84.6	91.3	100.0	107.7	115.4
140°	69.2	66.3	72.1	74.0	76.9	80.8	84.6	90.4	98.1	105.8	112.5
142.5°	70.2	66.3	73.1	75.0	76.9	79.8	83.6	88.5	96.1	102.9	109.6
145°	70.2	67.3	73.1	75.0	76.9	78.8	81.7	87.5	93.3	99.0	105.8
147.5°	70.2	68.3	74.0	76.0	77.9	77.9	79.8	85.6	90.4	96.1	101.9
150°	71.1	68.3	74.0	76.0	78.8	78.8	79.8	82.7	88.5	92.3	97.1
152.5°	70.2	69.2	73.1	76.9	78.8	79.8	79.8	80.8	85.6	89.4	93.3
155°	71.1	71.1	74.0	78.8	79.8	79.8	80.8	79.8	81.7	85.6	89.4
157.5°	73.1	75.0	75.0	79.8	81.7	81.7	82.7	81.7	80.8	81.7	85.6
160°	76.0	77.9	77.9	80.8	83.6	83.6	84.6	83.6	82.7	81.7	81.7
162.5°	78.8	80.8	80.8	81.7	84.6	85.6	86.5	85.6	84.6	82.7	81.7
165°	81.7	83.6	83.6	83.6	85.6	86.5	87.5	86.5	86.5	84.6	83.6
167.5°	84.6	86.5	86.5	85.6	86.5	87.5	88.5	87.5	87.5	86.5	84.6
170°	87.5	89.4	89.4	87.5	88.5	88.5	89.4	88.5	88.5	86.5	85.6
172.5°	89.4	91.3	90.4	89.4	89.4	89.4	89.4	88.5	87.5	85.6	85.6
175°	90.4	92.3	92.3	90.4	89.4	89.4	90.4	88.5	87.5	86.5	84.6
177.5°	90.4	92.3	92.3	90.4	90.4	89.4	90.4	89.4	89.4	87.5	85.6
180°	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8



TEST NUMBER: P893632

CATALOG NUMBER: 4MB-5SL-FLTU-UNV-L950

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8	1052.8
2.5°	1048.9	1048.0	1042.2	1048.9	1048.9	1047.0	1054.7	1053.7	1052.8	1050.9
5°	1045.1	1044.1	1038.4	1045.1	1045.1	1044.1	1051.8	1052.8	1053.7	1051.8
7.5°	1039.3	1038.4	1032.6	1039.3	1039.3	1038.4	1047.0	1048.0	1048.9	1046.0
10°	1030.7	1029.7	1023.9	1030.7	1031.6	1030.7	1037.4	1038.4	1040.3	1036.4
12.5°	1019.1	1019.1	1013.4	1020.1	1021.0	1020.1	1026.8	1028.7	1030.7	1025.9
15°	1004.7	1005.7	1000.9	1007.6	1008.6	1008.6	1015.3	1016.2	1019.1	1012.4
17.5°	987.4	989.3	985.5	992.2	993.2	994.1	998.0	1000.9	1003.7	996.1
20°	969.1	970.1	967.2	973.0	974.9	973.9	978.7	982.6	985.5	977.8
22.5°	947.0	948.0	945.1	950.9	952.8	953.7	957.6	962.4	964.3	957.6
25°	922.0	925.9	923.9	929.7	931.6	931.6	935.5	940.3	943.2	933.6
27.5°	898.0	902.8	900.9	906.6	908.6	909.5	911.4	917.2	920.1	911.4
30°	871.1	876.8	875.9	881.6	883.6	882.6	886.4	892.2	896.1	886.4
32.5°	841.3	849.0	848.0	855.7	857.6	858.6	861.5	869.1	873.0	864.3
35°	812.4	821.1	822.0	830.7	833.6	834.5	838.4	846.1	849.9	841.3
37.5°	782.6	794.1	797.0	805.7	808.6	809.5	813.4	822.0	825.9	817.2
40°	753.8	767.2	771.1	778.8	781.7	784.5	787.4	796.1	800.9	792.2
42.5°	724.9	739.3	744.2	751.8	754.7	757.6	761.5	771.1	774.9	767.2
45°	695.1	710.5	716.3	724.0	727.8	730.7	734.5	743.2	748.0	740.3
47.5°	665.3	680.7	686.5	695.1	699.0	702.8	705.7	716.3	721.1	713.4
50°	633.6	650.9	657.6	665.3	671.1	674.0	677.8	687.4	692.2	685.5
52.5°	601.9	620.1	627.8	635.5	641.3	646.1	648.0	658.6	663.4	656.7
55°	569.2	587.4	596.1	604.7	610.5	616.3	618.2	628.8	633.6	624.0
57.5°	536.5	555.7	564.4	574.0	578.8	585.5	588.4	598.0	602.8	596.1
60°	503.8	522.1	532.6	541.3	548.0	553.8	555.7	566.3	571.1	562.4
62.5°	470.1	489.4	499.9	509.6	515.3	522.1	524.9	534.6	538.4	529.8
65°	435.5	454.8	466.3	475.0	482.6	488.4	490.3	500.9	504.8	496.1
67.5°	400.9	420.1	432.6	442.3	449.0	455.7	457.6	468.2	472.1	465.3
70°	367.3	386.5	399.0	410.5	415.3	422.1	425.0	434.6	438.4	432.6
72.5°	333.6	352.8	366.3	377.8	382.7	389.4	393.2	400.9	406.7	401.9
75°	300.9	320.2	333.6	345.2	350.0	356.7	360.5	368.2	372.1	368.2
77.5°	269.2	288.4	300.9	312.5	318.2	324.0	327.9	335.5	340.3	336.5
80°	238.4	257.7	270.2	280.7	286.5	292.3	296.1	304.8	308.6	305.7
82.5°	209.6	227.9	241.3	251.9	257.7	263.4	267.3	275.0	279.8	275.9
85°	183.6	201.9	214.4	225.0	229.8	235.6	239.4	247.1	250.9	249.0
87.5°	158.6	175.0	189.4	200.0	204.8	210.6	215.4	221.1	225.9	223.1
90°	139.4	153.8	167.3	177.9	183.6	189.4	195.2	200.9	204.8	202.9
92.5°	140.4	153.8	166.3	175.9	181.7	187.5	193.2	200.0	202.9	200.9
95°	140.4	153.8	166.3	175.9	181.7	187.5	193.2	200.0	202.9	200.9
97.5°	140.4	153.8	166.3	175.9	181.7	187.5	193.2	200.0	202.9	200.0
100°	140.4	153.8	166.3	175.9	181.7	186.5	192.3	199.0	201.9	200.0
102.5°	140.4	153.8	165.4	175.0	180.8	185.6	191.3	198.1	200.9	199.0
105°	140.4	152.9	165.4	174.0	179.8	184.6	190.4	196.1	199.0	197.1
107.5°	139.4	151.9	163.4	173.1	177.9	182.7	188.4	194.2	197.1	195.2
110°	139.4	150.9	162.5	171.1	175.9	180.8	186.5	192.3	195.2	193.2



TEST NUMBER: P893632
 CATALOG NUMBER: 4MB-5SL-FLTU-UNV-L950

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	138.4	150.0	161.5	169.2	174.0	178.8	183.6	190.4	193.2	191.3
115°	137.5	149.0	159.6	167.3	172.1	175.9	181.7	188.4	190.4	189.4
117.5°	136.5	147.1	157.7	165.4	170.2	174.0	178.8	184.6	187.5	186.5
120°	135.6	145.2	155.8	162.5	167.3	171.1	175.0	180.8	183.6	181.7
122.5°	133.6	143.3	153.8	160.6	164.4	168.3	172.1	176.9	179.8	178.8
125°	131.7	141.3	150.9	157.7	161.5	164.4	168.3	173.1	175.0	174.0
127.5°	129.8	139.4	148.1	153.8	158.6	161.5	164.4	169.2	171.1	170.2
130°	127.9	136.5	145.2	150.9	154.8	157.7	160.6	165.4	166.3	166.3
132.5°	125.9	133.6	142.3	148.1	151.9	153.8	156.7	160.6	162.5	161.5
135°	124.0	130.8	139.4	144.2	147.1	150.0	152.9	156.7	157.7	157.7
137.5°	121.1	127.9	135.6	140.4	143.3	145.2	148.1	151.9	152.9	152.9
140°	118.3	125.0	131.7	135.6	139.4	141.3	143.3	147.1	148.1	148.1
142.5°	115.4	121.1	127.9	131.7	135.6	136.5	139.4	142.3	143.3	143.3
145°	111.5	118.3	124.0	127.9	130.8	131.7	134.6	137.5	137.5	138.4
147.5°	106.7	112.5	120.2	123.1	125.9	126.9	129.8	131.7	132.7	132.7
150°	101.9	107.7	114.4	119.2	122.1	123.1	124.0	126.9	126.9	127.9
152.5°	97.1	101.9	108.6	113.4	117.3	118.3	119.2	121.1	121.1	122.1
155°	92.3	96.1	101.9	106.7	110.6	112.5	114.4	116.3	116.3	117.3
157.5°	88.5	92.3	97.1	101.0	103.8	106.7	109.6	111.5	111.5	111.5
160°	83.6	86.5	91.3	94.2	98.1	100.0	104.8	106.7	106.7	107.7
162.5°	80.8	81.7	84.6	87.5	90.4	92.3	97.1	101.9	101.9	102.9
165°	81.7	80.8	81.7	82.7	84.6	85.6	88.5	95.2	97.1	98.1
167.5°	83.6	80.8	80.8	80.8	82.7	82.7	85.6	89.4	96.1	94.2
170°	83.6	80.8	78.8	78.8	79.8	78.8	80.8	83.6	87.5	91.3
172.5°	84.6	81.7	78.8	75.0	76.0	75.0	73.1	73.1	74.0	86.5
175°	83.6	81.7	77.9	73.1	72.1	69.2	63.5	58.6	55.8	43.3
177.5°	82.7	79.8	76.9	73.1	71.1	68.3	61.5	53.8	46.1	44.2
180°	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8



TEST NUMBER: P893632
 CATALOG NUMBER: 4MB-5SL-FLTU-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	14.68	16.00	15.29	16.63	17.35	17.23	18.55	17.85	19.18	19.90
	3H	16.08	17.28	16.71	17.93	18.68	19.66	20.86	20.29	21.50	22.26
	4H	16.51	17.65	17.16	18.31	19.07	20.80	21.94	21.45	22.59	23.36
	6H	16.75	17.81	17.41	18.47	19.26	21.94	22.99	22.60	23.66	24.44
	8H	16.79	17.81	17.47	18.49	19.28	22.49	23.51	23.17	24.19	24.98
	12H	16.80	17.77	17.48	18.45	19.27	23.08	24.05	23.76	24.73	25.54
4H	2H	15.57	16.71	16.22	17.36	18.13	17.58	18.72	18.23	19.37	20.14
	3H	17.19	18.16	17.86	18.85	19.64	20.21	21.18	20.87	21.87	22.66
	4H	17.75	18.63	18.43	19.33	20.15	21.50	22.39	22.18	23.08	23.90
	6H	18.09	18.87	18.79	19.59	20.41	22.81	23.59	23.51	24.31	25.14
	8H	18.16	18.89	18.87	19.61	20.45	23.47	24.20	24.17	24.92	25.76
	12H	18.19	18.86	18.92	19.60	20.45	24.17	24.83	24.90	25.58	26.42
8H	4H	18.40	19.13	19.10	19.85	20.69	21.65	22.38	22.36	23.10	23.94
	6H	18.90	19.52	19.63	20.28	21.12	23.11	23.73	23.84	24.49	25.33
	8H	19.06	19.61	19.80	20.37	21.23	23.89	24.44	24.63	25.21	26.06
	12H	19.15	19.64	19.89	20.39	21.31	24.75	25.24	25.50	26.00	26.91
12H	4H	18.56	19.22	19.29	19.97	20.81	21.64	22.31	22.37	23.05	23.90
	6H	19.16	19.72	19.90	20.48	21.33	23.13	23.68	23.87	24.44	25.30
	8H	19.39	19.89	20.14	20.64	21.56	23.96	24.45	24.71	25.20	26.12