

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: P894198

Luminaire Tested: 4MB-SC3-FLT-UNV-CC93-HI-3500K

Issue Date: 11/11/2024

**Test Information**

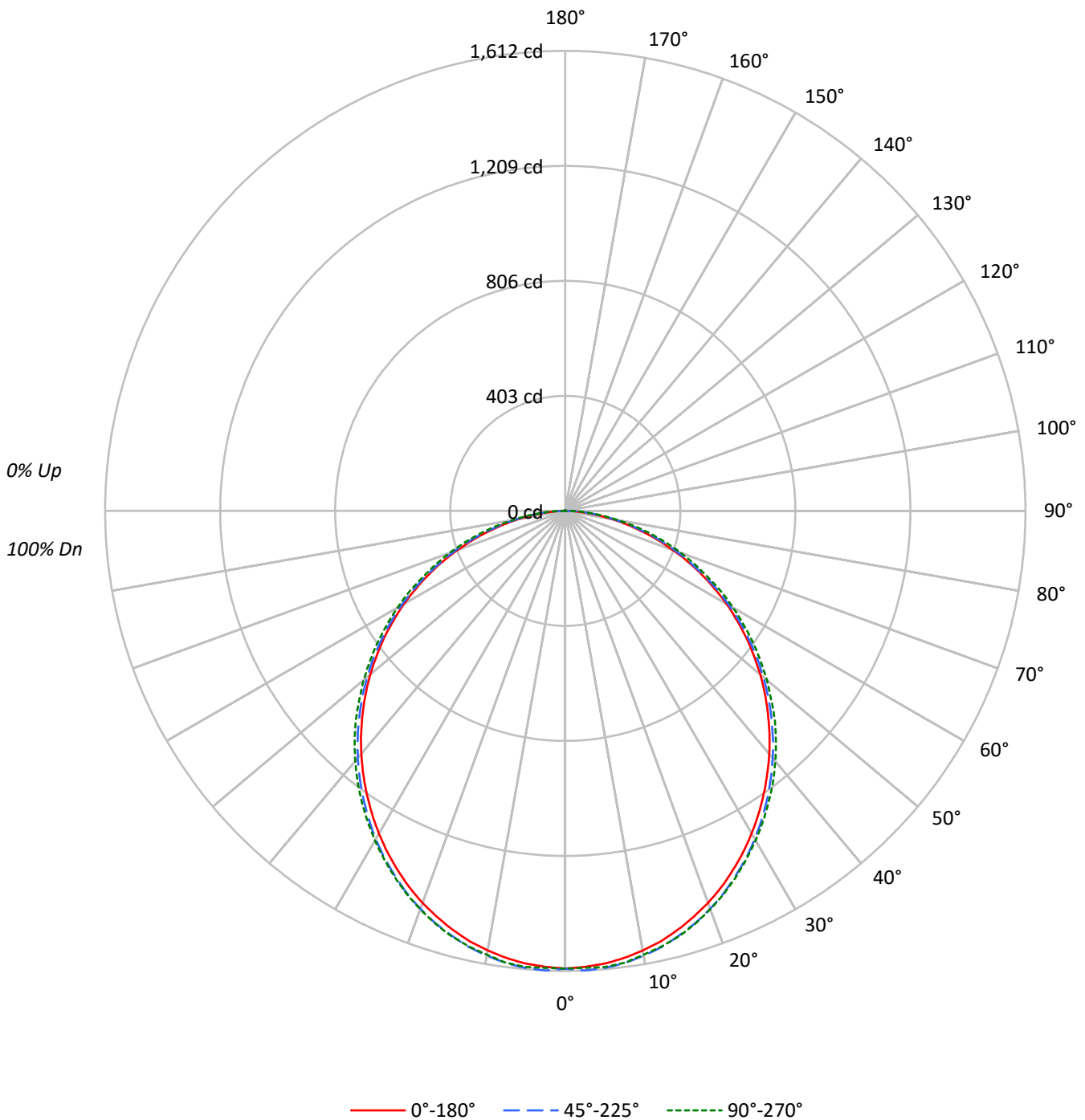
Test Method: LM-79-2019  
Report Number: P894198  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-SC3-FLT-UNV-CC93-HI-3500K  
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3500K CCT, HI lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4452.0 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34  
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 50.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 5.39961257980444  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P894198  
CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-HI-3500K

### Luminous Intensity Polar Plot





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**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	86	86	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	40	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	11411	11411	11411
5°	11370	11480	11455
10°	11299	11434	11409
15°	11199	11347	11364
20°	11067	11236	11245
25°	10904	11079	11107
30°	10726	10910	10957
35°	10524	10708	10799
40°	10326	10501	10632
45°	10100	10266	10443
50°	9864	10020	10201
55°	9597	9744	9947
60°	9289	9440	9656
65°	8876	9052	9290
70°	8352	8598	8989
75°	7681	8005	8522
80°	6781	7314	7699
85°	5845	6710	7192

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 10443 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.7	3.4
10°-20°	432.3	9.7
20°-30°	647.8	14.5
30°-40°	770.8	17.3
40°-50°	790.9	17.8
50°-60°	708.5	15.9
60°-70°	538.3	12.1
70°-80°	312.9	7.0
80°-90°	93.9	2.1
90°-100°	2.2	0.1
100°-110°	0.4	0.0
110°-120°	0.0	0.0
120°-130°	0.2	0.0
130°-140°	0.5	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	1231.7	27.7
0°-40°	2002.4	45.0
0°-60°	3501.8	78.7
0°-90°	4446.9	99.9
90°-120°	2.7	0.1
90°-150°	4.0	0.1
90°-180°	5.0	0.1
0°-180°	4452.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1604	1604	1604	1604	1604	
5°	1592	1619	1607	1599	1604	151
15°	1520	1550	1540	1538	1543	429
25°	1389	1421	1411	1409	1415	640
35°	1212	1241	1233	1236	1243	758
45°	1004	1028	1020	1028	1038	775
55°	774	792	786	795	802	691
65°	527	540	538	547	552	522
75°	279	290	291	302	310	296
85°	72	78	82	88	88	78
90°	1	5	5	8	7	5
95°	0	1	1	2	4	0
105°	0	0	0	1	1	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	1
135°	0	0	1	0	0	0
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	1	1	1	1	1	0
175°	2	2	2	1	1	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8
2.5°	1599.1	1596.7	1599.1	1597.9	1609.7	1623.7	1621.4	1610.8	1599.1	1602.6	1612.0
5°	1592.0	1590.9	1594.4	1592.0	1603.8	1619.0	1614.3	1605.0	1594.4	1597.9	1607.3
7.5°	1580.3	1580.3	1585.0	1582.6	1593.2	1608.5	1603.8	1595.6	1585.0	1588.5	1597.9
10°	1563.9	1565.0	1570.9	1567.4	1576.8	1593.2	1588.5	1580.3	1570.9	1573.3	1582.6
12.5°	1545.1	1545.1	1552.1	1548.6	1558.0	1573.3	1567.4	1561.5	1552.1	1554.5	1565.0
15°	1520.4	1521.6	1529.8	1526.3	1534.5	1549.8	1543.9	1539.2	1531.0	1532.2	1540.4
17.5°	1492.2	1495.8	1504.0	1500.5	1508.7	1523.9	1516.9	1512.2	1505.2	1506.3	1514.6
20°	1461.7	1465.2	1473.5	1471.1	1477.0	1492.2	1485.2	1482.9	1475.8	1477.0	1484.0
22.5°	1427.7	1431.2	1440.6	1438.2	1444.1	1459.4	1451.2	1450.0	1442.9	1444.1	1450.0
25°	1388.9	1393.6	1404.2	1401.8	1406.5	1420.6	1413.6	1411.2	1406.5	1406.5	1411.2
27.5°	1349.0	1353.7	1365.4	1361.9	1365.4	1380.7	1372.5	1371.3	1366.6	1366.6	1371.3
30°	1305.6	1310.3	1323.2	1319.7	1323.2	1336.1	1327.9	1329.0	1324.4	1324.4	1327.9
32.5°	1259.8	1263.3	1277.4	1275.0	1277.4	1290.3	1282.1	1283.3	1278.6	1279.7	1280.9
35°	1211.6	1215.2	1230.4	1228.1	1229.3	1241.0	1235.1	1235.1	1231.6	1230.4	1232.8
37.5°	1162.3	1165.9	1184.6	1178.8	1178.8	1190.5	1185.8	1185.8	1182.3	1181.1	1182.3
40°	1111.8	1114.2	1134.2	1128.3	1127.1	1137.7	1134.2	1134.2	1131.8	1129.5	1130.6
42.5°	1059.0	1062.5	1082.5	1077.8	1073.1	1084.8	1081.3	1082.5	1079.0	1076.6	1076.6
45°	1003.8	1007.4	1027.3	1025.0	1017.9	1028.5	1025.0	1027.3	1022.6	1020.3	1020.3
47.5°	948.6	953.3	972.1	968.6	961.6	972.1	968.6	971.0	966.3	963.9	963.9
50°	891.1	895.8	915.8	909.9	902.9	913.4	911.1	912.3	908.7	906.4	905.2
52.5°	832.4	838.3	857.1	850.0	844.2	853.5	852.4	853.5	848.9	847.7	846.5
55°	773.7	779.6	797.2	789.0	784.3	792.5	790.1	792.5	787.8	786.6	785.5
57.5°	712.7	718.5	735.0	726.8	723.2	730.3	729.1	730.3	726.8	725.6	724.4
60°	652.8	657.5	672.7	664.5	661.0	668.0	665.7	669.2	664.5	664.5	663.4
62.5°	589.4	595.3	610.5	601.1	598.8	604.6	602.3	605.8	603.5	601.1	600.0
65°	527.2	530.7	544.8	536.6	533.0	540.1	538.9	541.2	537.7	538.9	537.7
67.5°	464.9	467.3	481.4	472.0	469.6	476.7	477.8	476.7	474.3	475.5	474.3
70°	401.5	403.9	415.6	407.4	406.2	412.1	414.4	413.3	410.9	412.1	413.3
72.5°	340.5	341.7	352.2	345.2	344.0	351.0	351.0	351.0	351.0	351.0	353.4
75°	279.4	280.6	290.0	284.1	283.0	290.0	290.0	290.0	290.0	292.3	291.2
77.5°	220.7	219.6	228.9	225.4	223.1	230.1	230.1	231.3	233.6	236.0	232.5
80°	165.5	164.4	171.4	166.7	166.7	173.8	172.6	173.8	176.1	177.3	178.5
82.5°	116.2	113.9	119.8	118.6	117.4	123.3	124.5	123.3	126.8	128.0	128.0
85°	71.6	71.6	75.1	72.8	72.8	77.5	77.5	78.7	81.0	82.2	82.2
87.5°	34.0	32.9	36.4	35.2	34.0	37.6	37.6	38.7	39.9	41.1	39.9
90°	1.2	1.2	2.3	2.3	2.3	4.7	4.7	4.7	5.9	5.9	4.7
92.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3	2.3
95°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2
132.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	0.0
135°	0.0	1.2	1.2	1.2	1.2	0.0	1.2	0.0	0.0	0.0	1.2
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2
170°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2
175°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.2	2.3	2.3
177.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8	1603.8
2.5°	1597.9	1589.7	1586.2	1588.5	1605.0	1588.5	1606.1	1612.0	1590.9	1602.6
5°	1593.2	1585.0	1580.3	1582.6	1599.1	1583.8	1602.6	1609.7	1592.0	1603.8
7.5°	1583.8	1574.4	1572.1	1575.6	1589.7	1576.8	1595.6	1602.6	1585.0	1596.7
10°	1569.7	1561.5	1559.2	1562.7	1575.6	1562.7	1579.1	1585.0	1568.6	1579.1
12.5°	1552.1	1543.9	1541.6	1546.3	1558.0	1546.3	1562.7	1568.6	1552.1	1562.7
15°	1529.8	1521.6	1520.4	1527.5	1538.0	1527.5	1543.9	1548.6	1532.2	1542.7
17.5°	1502.8	1494.6	1495.8	1504.0	1512.2	1502.8	1518.1	1522.8	1507.5	1515.7
20°	1473.5	1464.1	1466.4	1473.5	1480.5	1471.1	1486.4	1491.1	1477.0	1485.2
22.5°	1439.4	1430.0	1432.4	1440.6	1445.3	1437.1	1451.2	1455.8	1444.1	1452.3
25°	1401.8	1393.6	1397.1	1405.4	1408.9	1401.8	1414.8	1418.3	1407.7	1414.8
27.5°	1364.3	1354.9	1359.6	1367.8	1370.1	1363.1	1376.0	1378.4	1367.8	1374.8
30°	1322.0	1312.6	1318.5	1327.9	1327.9	1323.2	1333.7	1336.1	1327.9	1333.7
32.5°	1275.0	1268.0	1275.0	1283.3	1282.1	1278.6	1289.1	1291.5	1284.4	1289.1
35°	1228.1	1222.2	1229.3	1237.5	1236.3	1232.8	1243.3	1244.5	1238.6	1243.3
37.5°	1179.9	1175.2	1182.3	1189.3	1187.0	1184.6	1194.0	1194.0	1190.5	1195.2
40°	1130.6	1125.9	1131.8	1140.0	1135.3	1135.3	1141.2	1143.5	1140.0	1144.7
42.5°	1079.0	1074.3	1081.3	1088.4	1083.7	1082.5	1089.5	1090.7	1088.4	1091.9
45°	1025.0	1020.3	1027.3	1033.2	1028.5	1028.5	1034.4	1034.4	1033.2	1037.9
47.5°	969.8	966.3	972.1	978.0	973.3	976.8	976.8	976.8	979.2	978.0
50°	913.4	909.9	914.6	921.6	915.8	916.9	919.3	919.3	920.5	921.6
52.5°	854.7	850.0	854.7	862.9	854.7	858.2	859.4	860.6	864.1	861.8
55°	796.0	791.3	796.0	803.1	794.8	799.5	799.5	800.7	804.2	801.9
57.5°	735.0	730.3	737.3	742.0	733.8	738.5	738.5	740.8	743.2	739.7
60°	673.9	670.4	672.7	681.0	672.7	677.4	677.4	677.4	682.1	678.6
62.5°	611.7	609.3	611.7	618.7	610.5	615.2	614.0	615.2	619.9	618.7
65°	548.3	545.9	548.3	555.3	547.1	551.8	551.8	553.0	556.5	551.8
67.5°	486.1	482.5	486.1	491.9	484.9	488.4	488.4	488.4	494.3	491.9
70°	422.7	420.3	422.7	428.5	422.7	425.0	425.0	425.0	430.9	432.1
72.5°	360.4	360.4	362.8	367.5	362.8	367.5	364.0	361.6	369.8	371.0
75°	299.4	300.6	301.7	306.4	301.7	306.4	304.1	301.7	308.8	310.0
77.5°	243.0	243.0	244.2	247.7	244.2	247.7	245.4	245.4	250.1	248.9
80°	185.5	185.5	186.7	190.2	186.7	190.2	187.9	187.9	192.5	187.9
82.5°	135.0	135.0	135.0	138.5	136.2	138.5	137.4	135.0	140.9	136.2
85°	86.9	88.1	88.1	89.2	88.1	89.2	89.2	88.1	91.6	88.1
87.5°	44.6	44.6	44.6	45.8	44.6	44.6	45.8	44.6	47.0	45.8
90°	8.2	7.0	7.0	9.4	8.2	8.2	9.4	7.0	8.2	7.0
92.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7
95°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5
97.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
100°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
102.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
105°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	1.2





TEST NUMBER: P894198  
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-HI-3500K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.2	1.2	1.2	1.2	0.0	1.2	0.0	0.0	0.0	0.0
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0
145°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
165°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
167.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
170°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
172.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
175°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
177.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



TEST NUMBER: P894198  
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC93-HI-3500K

**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	19.97	21.60	20.33	21.92	22.24	20.10	21.74	20.47	22.05	22.37
	3H	21.79	23.27	22.17	23.60	23.96	21.93	23.41	22.31	23.74	24.11
	4H	22.45	23.84	22.85	24.19	24.57	22.64	24.04	23.04	24.39	24.76
	6H	22.90	24.20	23.31	24.56	24.96	23.20	24.49	23.61	24.86	25.25
	8H	23.04	24.28	23.47	24.67	25.07	23.39	24.63	23.82	25.02	25.42
	12H	23.14	24.32	23.57	24.71	25.14	23.54	24.72	23.97	25.10	25.54
4H	2H	20.60	21.99	21.00	22.34	22.72	20.71	22.10	21.11	22.45	22.83
	3H	22.64	23.81	23.05	24.21	24.61	22.77	23.95	23.19	24.35	24.75
	4H	23.43	24.49	23.87	24.91	25.35	23.62	24.68	24.05	25.10	25.53
	6H	24.01	24.94	24.46	25.38	25.84	24.31	25.24	24.77	25.68	26.14
	8H	24.20	25.07	24.66	25.51	25.98	24.56	25.43	25.02	25.87	26.34
	12H	24.34	25.12	24.82	25.60	26.07	24.75	25.53	25.23	26.01	26.48
8H	4H	23.76	24.63	24.22	25.08	25.54	23.93	24.80	24.39	25.24	25.71
	6H	24.47	25.19	24.96	25.68	26.16	24.75	25.48	25.25	25.97	26.44
	8H	24.73	25.38	25.24	25.89	26.37	25.08	25.73	25.59	26.24	26.73
	12H	24.94	25.52	25.45	26.01	26.57	25.37	25.94	25.88	26.44	27.00
12H	4H	23.81	24.59	24.29	25.07	25.54	23.96	24.74	24.44	25.22	25.69
	6H	24.54	25.19	25.05	25.69	26.18	24.81	25.46	25.32	25.97	26.46
	8H	24.86	25.44	25.37	25.93	26.49	25.20	25.78	25.71	26.27	26.83