

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: P894332

Luminaire Tested: 4MB-SC3-RNDU-UNV-CC93-MID-5000K

Issue Date: 11/11/2024

**Test Information**

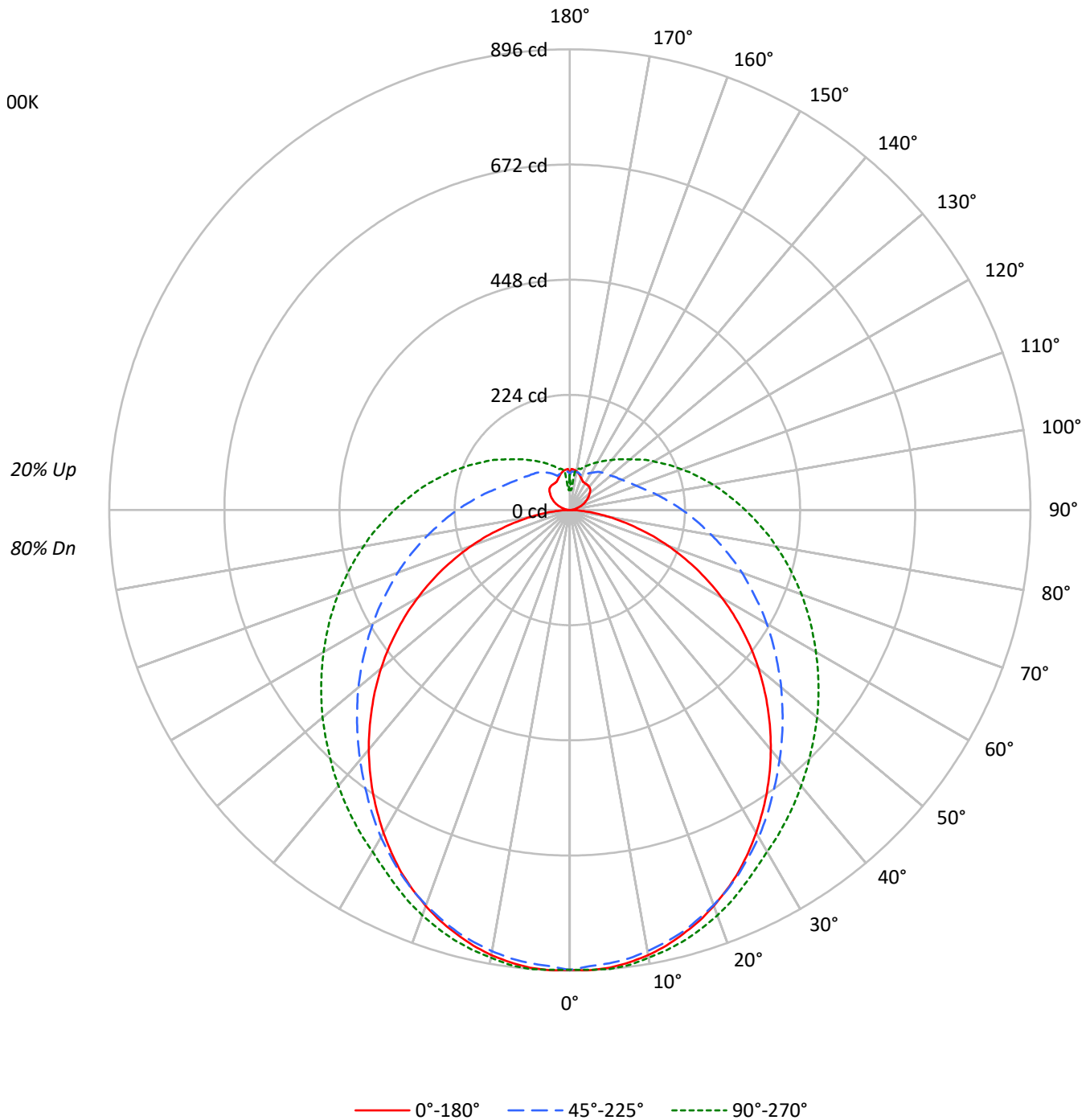
Test Method: LM-79-2019  
Report Number: P894332  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-SC3-RNDU-UNV-CC93-MID-5000K  
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 50  
CCT, MID lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3761.0 lumens  
Efficiency: N/A  
Efficacy: 112.3 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): 33.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.9948  
Total Harmonic Distortion (THDi): 5.65231997856897  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P894332  
CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC93-MID-5000K

### 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°	6362	6362	6362
5°	6351	6093	6106
10°	6292	5856	5824
15°	6198	5616	5563
20°	6087	5362	5296
25°	5953	5107	5027
30°	5781	4851	4790
35°	5603	4586	4614
40°	5412	4347	4455
45°	5206	4134	4314
50°	4991	3947	4205
55°	4742	3772	4109
60°	4462	3628	4037
65°	4122	3501	3997
70°	3697	3424	3984
75°	3130	3367	4002
80°	2445	3366	4065
85°	1563	3454	4198

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5206 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.6	2.2
10°-20°	241.2	6.4
20°-30°	362.2	9.6
30°-40°	435.5	11.6
40°-50°	461.4	12.3
50°-60°	444.4	11.8
60°-70°	393.3	10.5
70°-80°	322.6	8.6
80°-90°	250.3	6.7
90°-100°	194.3	5.2
100°-110°	153.9	4.1
110°-120°	122.6	3.3
120°-130°	97.4	2.6
130°-140°	76.1	2.0
140°-150°	56.0	1.5
150°-160°	37.0	1.0
160°-170°	21.3	0.6
170°-180°	6.8	0.2
0°-30°	688.0	18.3
0°-40°	1123.5	29.9
0°-60°	2029.3	54.0
0°-90°	2995.5	79.6
90°-120°	470.8	12.5
90°-150°	700.3	18.6
90°-180°	766.0	20.4
0°-180°	3761.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	894	894	894	894	894	
5°	893	894	885	892	896	85
15°	853	854	849	862	866	241
25°	777	779	779	799	804	357
35°	669	677	685	721	735	418
45°	544	557	585	641	664	420
55°	411	431	488	561	590	368
65°	272	310	397	481	516	269
75°	136	204	316	406	443	146
85°	31	123	248	338	374	35
90°	1	97	219	306	341	2
95°	4	80	193	276	310	5
105°	15	65	152	226	256	16
115°	31	62	127	185	209	30
125°	44	65	111	152	171	39
135°	56	69	100	128	140	43
145°	60	68	90	110	117	37
155°	60	71	77	94	99	28
165°	72	76	73	73	82	20
175°	79	78	75	62	42	7
180°	69	69	69	69	69	



TEST NUMBER: P894332

CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC93-MID-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2
2.5°	895.9	895.0	896.7	898.4	903.5	896.7	900.1	890.8	891.6	892.5	888.2
5°	893.3	890.8	893.3	895.0	899.3	894.2	897.6	887.4	888.2	889.9	884.8
7.5°	887.4	884.8	886.5	888.2	892.5	887.4	891.6	881.4	883.1	884.0	879.7
10°	878.9	875.5	877.2	879.7	883.1	878.9	882.3	872.9	873.8	875.5	871.2
12.5°	867.8	864.4	866.1	867.8	872.1	867.8	871.2	861.9	863.6	865.3	861.0
15°	853.3	849.9	851.6	853.3	856.7	854.2	857.6	848.2	849.9	853.3	849.1
17.5°	838.0	832.9	834.6	837.2	840.6	838.9	841.4	833.8	834.6	838.0	833.8
20°	819.3	814.2	815.9	818.5	821.9	821.0	822.7	815.9	817.6	821.9	817.6
22.5°	798.9	793.8	795.5	798.9	801.4	801.4	802.3	797.2	798.9	803.1	799.7
25°	776.8	771.7	773.4	776.8	779.3	779.3	781.0	775.9	778.5	782.7	779.3
27.5°	751.3	748.7	748.7	752.1	753.8	755.5	756.4	752.1	755.5	759.8	757.2
30°	724.9	721.5	723.2	727.4	727.4	730.8	730.8	727.4	731.7	736.8	735.1
32.5°	696.8	694.2	695.1	700.2	700.2	704.5	703.6	701.9	706.2	712.1	710.4
35°	668.7	666.2	667.0	672.1	672.1	677.2	675.5	675.5	679.8	686.6	684.9
37.5°	638.9	637.2	638.1	643.2	643.2	648.3	646.6	647.5	652.6	660.2	659.4
40°	608.3	606.6	608.3	612.6	614.3	618.5	616.8	618.5	625.3	632.1	634.7
42.5°	576.8	576.0	577.7	581.9	583.6	587.9	587.0	589.6	596.4	606.6	610.0
45°	544.5	544.5	546.2	550.5	552.2	557.3	556.4	559.8	568.3	579.4	585.3
47.5°	512.2	513.0	513.9	519.0	519.0	527.5	524.9	530.0	541.1	553.9	560.7
50°	479.0	480.7	481.5	485.8	487.5	495.2	493.5	502.0	513.9	527.5	536.9
52.5°	445.8	447.5	449.2	452.6	454.3	463.7	462.0	473.0	487.5	502.0	512.2
55°	410.9	414.3	415.2	419.4	422.0	431.4	431.4	444.1	459.4	475.6	488.4
57.5°	376.9	380.3	381.2	386.3	389.7	400.7	402.4	416.9	433.9	450.1	465.4
60°	342.0	346.3	347.1	352.2	358.2	370.1	372.6	388.8	407.5	424.5	442.4
62.5°	307.1	311.4	313.1	318.2	327.6	339.5	343.7	362.4	382.0	400.7	420.3
65°	272.3	276.5	279.1	285.9	296.9	309.7	315.6	335.2	357.3	376.9	397.3
67.5°	237.4	242.5	245.9	254.4	268.9	282.5	288.4	310.5	333.5	354.8	376.1
70°	203.3	208.4	212.7	223.8	240.8	254.4	262.0	285.9	309.7	332.7	356.5
72.5°	170.2	175.3	181.2	194.8	213.5	228.9	237.4	262.0	288.4	311.4	336.1
75°	136.1	142.1	148.9	167.6	188.9	204.2	213.5	239.9	267.1	290.1	316.5
77.5°	105.5	111.5	121.7	140.4	164.2	181.2	191.4	219.5	247.6	270.6	297.8
80°	77.4	83.4	97.0	117.4	142.1	158.2	171.0	199.9	228.9	252.7	279.9
82.5°	52.7	58.7	74.9	97.0	123.4	139.5	151.4	182.1	211.0	235.7	262.9
85°	30.6	39.1	56.2	80.0	107.2	123.4	135.3	166.8	194.8	219.5	247.6
87.5°	13.6	23.8	42.5	66.4	93.6	108.9	121.7	150.6	180.4	205.0	233.1
90°	0.9	13.6	33.2	56.2	82.5	97.0	108.9	137.8	165.9	191.4	218.7
92.5°	1.7	9.4	27.2	48.5	73.2	87.6	99.5	126.8	153.1	179.5	205.9
95°	4.3	9.4	23.8	43.4	66.4	80.0	91.0	117.4	142.1	167.6	193.1
97.5°	6.8	10.2	23.0	40.8	61.3	74.0	84.2	108.9	133.6	156.5	182.1
100°	9.4	12.8	23.0	39.1	57.9	69.8	79.1	102.1	125.1	146.3	171.9
102.5°	11.9	15.3	24.7	39.1	56.2	66.4	75.7	97.0	118.3	137.8	161.7
105°	15.3	17.9	26.4	39.1	54.5	64.7	72.3	91.9	112.3	131.0	152.3
107.5°	18.7	20.4	28.1	40.0	54.5	63.0	70.6	88.5	107.2	124.2	144.6
110°	23.0	23.8	30.6	41.7	54.5	62.1	68.9	85.9	102.9	119.1	137.8



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CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC93-MID-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	26.4	26.4	33.2	43.4	54.5	62.1	68.1	83.4	99.5	114.0	131.9
115°	30.6	30.6	35.7	45.1	55.3	62.1	68.1	82.5	97.0	109.8	126.8
117.5°	34.0	34.0	39.1	46.8	57.0	63.0	68.1	80.8	94.4	106.3	121.7
120°	37.4	37.4	40.8	48.5	57.9	63.8	68.1	80.0	91.9	103.8	117.4
122.5°	40.8	40.8	43.4	51.0	58.7	63.8	68.1	79.1	90.2	100.4	113.2
125°	44.2	44.2	45.9	52.7	60.4	64.7	68.9	79.1	89.3	97.8	110.6
127.5°	47.6	46.8	49.3	55.3	61.3	65.5	69.8	79.1	87.6	96.1	107.2
130°	50.2	49.3	52.7	57.0	63.0	66.4	69.8	78.3	86.8	94.4	103.8
132.5°	53.6	51.9	56.2	57.9	64.7	68.1	70.6	78.3	85.9	92.7	102.1
135°	56.2	54.5	58.7	60.4	65.5	68.9	71.5	78.3	85.1	91.9	99.5
137.5°	57.9	57.0	61.3	63.0	66.4	69.8	72.3	78.3	84.2	90.2	97.8
140°	58.7	57.9	61.3	64.7	66.4	69.8	71.5	77.4	83.4	88.5	95.3
142.5°	59.6	59.6	62.1	65.5	66.4	68.9	71.5	76.6	81.7	85.9	93.6
145°	59.6	59.6	62.1	66.4	67.2	68.1	69.8	74.9	79.1	83.4	90.2
147.5°	59.6	59.6	63.0	66.4	68.1	68.9	68.1	73.2	77.4	80.8	86.8
150°	59.6	59.6	63.0	66.4	68.9	69.8	68.9	71.5	74.9	78.3	83.4
152.5°	60.4	60.4	63.0	66.4	68.9	69.8	69.8	69.8	72.3	75.7	80.8
155°	60.4	61.3	63.0	68.1	69.8	70.6	70.6	70.6	69.8	73.2	77.4
157.5°	63.0	63.8	64.7	68.9	70.6	71.5	71.5	71.5	70.6	69.8	74.0
160°	65.5	66.4	67.2	70.6	72.3	73.2	73.2	73.2	71.5	70.6	70.6
162.5°	68.1	69.8	69.8	71.5	73.2	74.0	74.0	74.9	73.2	72.3	71.5
165°	71.5	72.3	72.3	73.2	74.9	75.7	74.9	75.7	74.9	74.0	73.2
167.5°	74.0	74.9	74.9	75.7	75.7	76.6	76.6	76.6	75.7	74.9	74.9
170°	76.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	76.6	74.9	74.9
172.5°	78.3	79.1	79.1	78.3	78.3	78.3	78.3	77.4	75.7	74.9	74.9
175°	79.1	80.0	80.0	79.1	78.3	78.3	78.3	77.4	75.7	74.9	74.9
177.5°	80.0	80.8	80.0	80.0	78.3	78.3	78.3	78.3	76.6	75.7	74.9
180°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2	894.2
2.5°	893.3	883.1	889.9	890.8	894.2	890.8	893.3	890.8	897.6	895.0
5°	889.9	880.6	886.5	887.4	891.6	887.4	891.6	889.9	898.4	895.9
7.5°	884.0	876.3	881.4	882.3	887.4	883.1	887.4	885.7	895.9	892.5
10°	875.5	869.5	874.6	875.5	880.6	876.3	879.7	878.0	889.1	884.0
12.5°	866.1	861.0	865.3	866.1	872.1	867.8	872.1	870.4	881.4	876.3
15°	852.5	849.9	854.2	855.9	861.9	858.5	862.7	861.0	872.9	866.1
17.5°	838.9	837.2	841.4	843.1	849.9	845.7	849.9	848.2	860.2	853.3
20°	821.9	821.0	825.3	827.8	833.8	829.5	834.6	832.9	845.7	838.9
22.5°	804.0	804.0	807.4	810.0	815.9	812.5	817.6	816.8	829.5	822.7
25°	784.4	785.3	788.7	792.1	798.9	796.3	800.6	800.6	812.5	804.0
27.5°	762.3	766.6	769.1	773.4	779.3	776.8	781.0	781.9	793.8	785.3
30°	739.3	745.3	747.8	753.0	758.1	758.1	762.3	764.0	775.9	767.4
32.5°	715.5	722.3	725.7	732.5	739.3	739.3	745.3	747.8	759.8	752.1
35°	691.7	701.1	705.3	713.8	720.6	721.5	727.4	730.8	742.7	735.1
37.5°	668.7	680.6	684.9	695.1	701.1	702.8	709.6	713.8	724.9	718.1
40°	644.9	659.4	664.5	675.5	680.6	684.0	690.8	695.9	706.2	700.2
42.5°	621.9	638.1	643.2	655.1	661.1	664.5	671.3	678.1	688.3	682.3
45°	599.0	616.8	622.8	635.5	640.6	645.8	653.4	659.4	668.7	663.6
47.5°	576.8	595.6	601.5	615.1	621.1	627.0	633.8	642.3	650.9	645.8
50°	553.9	573.4	581.1	595.6	600.7	607.5	616.0	623.6	632.1	627.9
52.5°	531.7	552.2	559.8	575.1	581.1	587.9	596.4	604.9	612.6	609.2
55°	507.9	530.0	538.6	554.7	560.7	567.5	576.8	586.2	593.0	590.5
57.5°	485.8	508.8	517.3	535.1	540.3	548.8	558.1	568.3	574.3	571.7
60°	463.7	486.7	496.9	514.7	520.7	529.2	538.6	549.6	554.7	553.0
62.5°	441.6	465.4	476.4	495.2	500.3	509.6	520.7	530.0	535.1	534.3
65°	421.1	444.1	456.9	475.6	480.7	490.9	501.1	511.3	516.4	516.4
67.5°	399.9	424.5	437.3	456.9	461.1	472.2	483.3	493.5	497.7	497.7
70°	380.3	404.1	418.6	438.2	442.4	452.6	464.5	475.6	479.0	479.8
72.5°	360.7	384.6	399.9	420.3	424.5	434.8	445.8	457.7	460.3	461.1
75°	342.0	365.8	381.2	401.6	405.8	416.0	427.9	439.0	442.4	443.3
77.5°	323.3	347.1	364.1	383.7	388.0	398.2	410.1	421.1	423.7	425.4
80°	306.3	329.3	345.4	366.7	370.9	381.2	392.2	403.3	405.0	407.5
82.5°	289.3	312.2	329.3	349.7	353.9	364.1	375.2	386.3	388.0	391.4
85°	273.1	296.1	313.1	332.7	337.8	347.1	359.0	369.2	370.9	373.5
87.5°	258.6	279.9	297.8	316.5	321.6	331.0	342.9	353.1	353.9	357.3
90°	243.3	264.6	282.5	301.2	306.3	314.8	326.7	336.9	338.6	341.2
92.5°	230.6	250.1	268.9	286.7	291.0	300.3	311.4	321.6	323.3	325.9
95°	217.0	236.5	255.2	272.3	276.5	285.9	296.1	306.3	308.0	310.5
97.5°	205.0	223.8	241.6	258.6	262.9	271.4	282.5	291.8	293.5	296.9
100°	194.0	211.8	230.6	245.9	250.1	258.6	268.9	278.2	279.9	283.3
102.5°	183.8	200.8	218.7	233.1	238.2	245.9	256.1	264.6	266.3	268.9
105°	174.4	190.6	207.6	221.2	226.3	234.0	243.3	251.8	253.5	256.1
107.5°	165.1	180.4	196.5	210.1	214.4	221.2	230.6	239.1	240.8	244.2
110°	156.5	171.9	187.2	199.9	205.0	210.1	219.5	227.2	228.9	231.4





TEST NUMBER: P894332

CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC93-MID-5000K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	148.9	162.5	177.8	189.7	194.0	199.9	207.6	215.3	217.0	220.4
115°	142.1	154.8	170.2	181.2	184.6	189.7	198.2	205.0	206.7	209.3
117.5°	136.1	147.2	160.8	171.9	176.1	180.4	188.0	194.0	196.5	198.2
120°	131.0	141.2	153.1	163.4	168.5	171.9	178.7	184.6	187.2	188.9
122.5°	125.9	135.3	146.3	155.7	159.9	162.5	170.2	175.3	177.8	180.4
125°	121.7	130.2	140.4	148.0	152.3	154.8	161.7	166.8	169.3	171.0
127.5°	117.4	125.1	135.3	141.2	145.5	147.2	153.1	158.2	160.8	161.7
130°	113.2	120.8	129.3	135.3	138.7	141.2	146.3	149.7	152.3	153.1
132.5°	109.8	116.6	124.2	130.2	133.6	134.4	139.5	142.9	145.5	146.3
135°	107.2	112.3	120.0	125.1	127.6	129.3	133.6	136.1	138.7	139.5
137.5°	103.8	108.9	115.7	119.1	122.5	123.4	127.6	130.2	132.7	133.6
140°	101.2	105.5	111.5	114.9	118.3	118.3	121.7	124.2	126.8	126.8
142.5°	98.7	102.9	108.1	111.5	114.0	114.0	117.4	119.1	121.7	121.7
145°	95.3	99.5	104.6	107.2	109.8	109.8	112.3	114.0	116.6	116.6
147.5°	91.9	96.1	101.2	102.9	105.5	105.5	108.1	109.8	111.5	111.5
150°	87.6	91.0	97.0	99.5	102.1	102.1	103.8	105.5	107.2	107.2
152.5°	84.2	86.8	91.9	95.3	97.8	97.8	99.5	101.2	102.9	102.9
155°	80.0	82.5	86.8	91.0	93.6	94.4	96.1	97.0	98.7	98.7
157.5°	76.6	79.1	82.5	85.9	88.5	90.2	92.7	93.6	94.4	94.4
160°	72.3	74.0	77.4	80.8	83.4	85.1	89.3	90.2	91.0	91.0
162.5°	70.6	70.6	72.3	74.9	77.4	78.3	82.5	85.9	87.6	86.8
165°	71.5	70.6	70.6	71.5	73.2	74.0	76.6	81.7	83.4	82.5
167.5°	73.2	71.5	70.6	70.6	72.3	72.3	74.9	79.1	84.2	82.5
170°	73.2	70.6	68.9	68.9	69.8	69.8	71.5	74.0	79.1	80.0
172.5°	72.3	70.6	68.1	64.7	65.5	64.7	63.8	65.5	66.4	74.9
175°	73.2	70.6	68.1	63.8	62.1	59.6	55.3	51.9	51.0	41.7
177.5°	72.3	69.8	66.4	63.0	61.3	57.9	52.7	46.8	43.4	38.3
180°	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9



TEST NUMBER: P894332  
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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	13.36	14.67	14.00	15.34	16.11	16.90	18.22	17.55	18.88	19.65
	3H	14.71	15.91	15.36	16.58	17.38	19.82	21.02	20.48	21.69	22.50
	4H	15.11	16.25	15.79	16.94	17.75	21.30	22.44	21.97	23.12	23.94
	6H	15.33	16.39	16.02	17.09	17.92	22.86	23.92	23.54	24.61	25.44
	8H	15.36	16.38	16.06	17.10	17.93	23.66	24.68	24.36	25.40	26.23
	12H	15.37	16.34	16.07	17.05	17.92	24.54	25.52	25.25	26.23	27.09
4H	2H	14.50	15.64	15.18	16.33	17.14	17.22	18.36	17.90	19.05	19.86
	3H	16.14	17.12	16.83	17.84	18.68	20.37	21.35	21.06	22.07	22.91
	4H	16.71	17.61	17.42	18.34	19.20	22.02	22.93	22.73	23.65	24.51
	6H	17.05	17.85	17.78	18.60	19.47	23.80	24.59	24.52	25.34	26.21
	8H	17.13	17.88	17.85	18.63	19.51	24.73	25.48	25.46	26.23	27.11
	12H	17.15	17.84	17.90	18.61	19.50	25.75	26.44	26.50	27.21	28.10
8H	4H	17.80	18.55	18.52	19.30	20.18	22.20	22.95	22.92	23.70	24.58
	6H	18.41	19.05	19.16	19.84	20.72	24.15	24.79	24.90	25.58	26.46
	8H	18.61	19.18	19.37	19.97	20.87	25.23	25.81	26.00	26.60	27.50
	12H	18.72	19.24	19.49	20.01	20.97	26.45	26.97	27.22	27.75	28.70
12H	4H	18.15	18.84	18.90	19.61	20.50	22.19	22.88	22.94	23.65	24.54
	6H	18.93	19.51	19.70	20.30	21.20	24.18	24.76	24.95	25.55	26.45
	8H	19.26	19.78	20.03	20.56	21.51	25.33	25.85	26.10	26.62	27.58