

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: P893130

Luminaire Tested: 2MB-SC3-RNDU-UNV-CC93-HI-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893130
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-9)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-SC3-RNDU-UNV-CC93-HI-5000K
Description: Selectable 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 50
CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

Summary

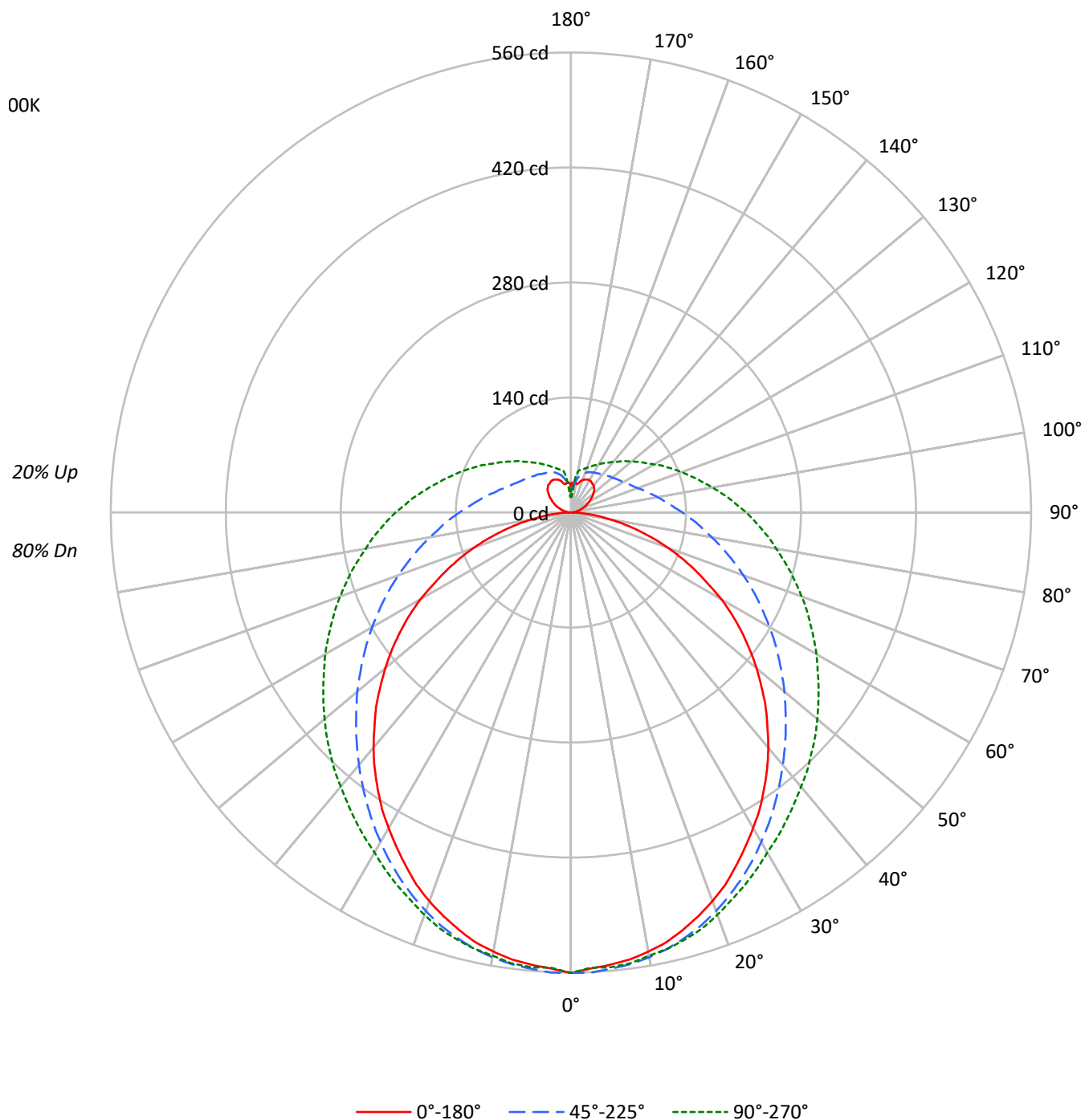
Lumens per Lamp: N/A
Luminaire Lumens: 2355.1 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 21
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: P893130

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-HI-5000K

Luminous Intensity Polar Plot



TEST NUMBER: P893130

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-HI-5000K

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
RCR																				
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	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	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	20
9	51	38	30	24	49	37	29	23	34	27	22	31	25	21	29	24	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8018	8018	8018
5°	7863	7696	7614
10°	7741	7384	7255
15°	7578	7063	6946
20°	7382	6729	6615
25°	7147	6386	6292
30°	6906	6041	5997
35°	6670	5710	5772
40°	6412	5400	5573
45°	6137	5116	5411
50°	5833	4870	5270
55°	5501	4641	5146
60°	5116	4439	5067
65°	4617	4265	5005
70°	4085	4114	4990
75°	3397	4012	5015
80°	2538	3963	5088
85°	1542	4036	5268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6137 cd/sqm

TEST NUMBER: P893130

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-HI-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	2.2
10°-20°	151.3	6.4
20°-30°	226.8	9.6
30°-40°	272.6	11.6
40°-50°	288.9	12.3
50°-60°	278.2	11.8
60°-70°	245.7	10.4
70°-80°	201.0	8.5
80°-90°	156.1	6.6
90°-100°	120.9	5.1
100°-110°	95.9	4.1
110°-120°	76.7	3.3
120°-130°	61.4	2.6
130°-140°	48.4	2.1
140°-150°	36.5	1.6
150°-160°	25.0	1.1
160°-170°	13.3	0.6
170°-180°	3.4	0.1
0°-30°	431.1	18.3
0°-40°	703.7	29.9
0°-60°	1270.8	54.0
0°-90°	1873.5	79.6
90°-120°	293.5	12.5
90°-150°	439.8	18.7
90°-180°	482.0	20.5
0°-180°	2355.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	560	560	560	560	560	
5°	553	558	558	560	556	52
15°	526	535	536	541	538	148
25°	475	487	492	500	500	219
35°	410	422	433	451	457	257
45°	335	348	370	402	414	258
55°	254	268	309	351	368	227
65°	167	192	251	302	322	166
75°	86	126	198	255	276	91
85°	21	77	154	211	233	23
90°	1	61	136	191	213	2
95°	3	50	120	172	194	3
105°	11	40	95	141	158	11
115°	21	38	80	115	130	20
125°	30	40	70	95	106	27
135°	40	43	63	81	88	31
145°	44	45	58	69	74	28
155°	44	48	54	60	63	20
165°	37	42	47	53	54	11
175°	36	34	32	30	28	3
180°	28	28	28	28	28	

TEST NUMBER: P893130

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-HI-5000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5
2.5°	555.6	558.5	559.5	558.5	558.5	560.5	560.5	564.4	565.4	559.5	560.5
5°	552.6	555.6	557.6	556.6	556.6	558.5	557.6	561.5	562.5	557.6	557.6
7.5°	548.7	551.7	553.6	552.6	552.6	554.6	553.6	557.6	558.5	554.6	554.6
10°	542.8	546.7	548.7	546.7	547.7	549.7	548.7	552.6	553.6	549.7	549.7
12.5°	535.9	539.9	541.8	540.8	541.8	542.8	541.8	546.7	547.7	543.8	543.8
15°	526.1	531.0	532.0	531.0	532.0	534.9	533.0	536.9	539.9	535.9	535.9
17.5°	515.3	520.2	522.2	521.2	523.1	525.1	523.1	528.1	530.0	526.1	527.1
20°	503.5	508.4	510.4	509.4	511.3	513.3	511.3	516.3	518.2	515.3	516.3
22.5°	490.7	495.6	497.6	496.6	498.6	500.5	498.6	503.5	506.4	503.5	504.5
25°	475.0	480.9	482.8	481.8	483.8	486.8	483.8	489.7	492.7	490.7	491.7
27.5°	459.2	464.1	468.1	466.1	469.1	472.0	470.0	474.0	477.9	476.9	477.9
30°	443.5	448.4	452.3	450.4	453.3	456.3	453.3	458.2	462.2	462.2	463.2
32.5°	427.8	431.7	434.6	433.7	435.6	439.6	437.6	442.5	446.4	446.4	448.4
35°	410.1	414.0	416.9	416.0	418.9	421.9	419.9	424.8	429.7	430.7	432.7
37.5°	392.4	396.3	399.2	398.3	400.2	404.2	402.2	408.1	412.0	414.0	416.9
40°	373.7	377.6	380.6	379.6	382.5	385.5	384.5	389.4	394.3	397.3	401.2
42.5°	354.0	357.9	360.9	360.9	363.8	367.8	365.8	371.7	376.6	380.6	385.5
45°	335.3	338.3	341.2	341.2	345.2	348.1	347.1	353.0	358.9	363.8	369.7
47.5°	314.7	318.6	320.6	321.6	325.5	328.4	328.4	334.3	341.2	348.1	354.0
50°	295.0	298.0	300.9	300.9	305.8	308.8	308.8	315.7	324.5	332.4	339.3
52.5°	274.4	277.3	280.3	281.2	285.2	289.1	289.1	297.0	306.8	315.7	323.5
55°	253.7	256.7	258.6	260.6	265.5	268.5	270.4	279.3	290.1	298.9	308.8
57.5°	233.1	235.0	238.0	239.9	245.8	249.8	252.7	262.6	273.4	284.2	294.0
60°	211.4	214.4	216.3	219.3	225.2	231.1	234.0	244.9	256.7	268.5	279.3
62.5°	187.8	190.8	193.7	197.7	206.5	211.4	216.3	228.1	239.9	252.7	264.5
65°	167.2	169.1	172.1	176.0	185.9	191.8	197.7	210.4	224.2	238.0	250.8
67.5°	146.5	148.5	152.4	157.3	168.2	174.1	180.0	193.7	209.5	224.2	237.0
70°	125.9	126.9	131.8	138.7	150.5	156.4	163.2	177.0	192.7	209.5	223.2
72.5°	105.2	107.2	112.1	120.0	133.7	140.6	147.5	163.2	179.0	194.7	210.4
75°	85.6	86.5	93.4	103.3	118.0	125.9	133.7	149.5	166.2	182.9	197.7
77.5°	66.9	67.9	76.7	87.5	103.3	112.1	120.0	135.7	153.4	170.1	185.9
80°	49.2	51.1	60.0	73.8	89.5	98.3	108.2	124.9	141.6	159.3	174.1
82.5°	33.4	36.4	46.2	61.0	77.7	87.5	96.4	113.1	130.8	148.5	163.2
85°	20.7	23.6	35.4	50.2	67.9	76.7	85.6	103.3	121.0	137.7	154.4
87.5°	8.9	14.8	26.6	41.3	59.0	67.9	77.7	94.4	111.1	128.8	144.6
90°	1.0	8.9	20.7	35.4	52.1	61.0	69.8	86.5	103.3	120.0	135.7
92.5°	1.0	5.9	16.7	30.5	46.2	55.1	62.9	79.7	95.4	112.1	126.9
95°	3.0	5.9	14.8	27.5	42.3	50.2	58.0	73.8	89.5	105.2	120.0
97.5°	3.9	6.9	14.8	25.6	38.4	46.2	54.1	68.8	83.6	98.3	113.1
100°	5.9	7.9	14.8	24.6	36.4	43.3	50.2	63.9	78.7	93.4	107.2
102.5°	7.9	9.8	15.7	24.6	35.4	41.3	48.2	61.0	73.8	87.5	101.3
105°	10.8	11.8	16.7	24.6	34.4	40.3	46.2	58.0	69.8	83.6	95.4
107.5°	12.8	13.8	17.7	25.6	34.4	39.3	45.2	55.1	66.9	78.7	91.5
110°	14.8	14.8	19.7	26.6	34.4	38.4	44.3	54.1	64.9	75.7	86.5

TEST NUMBER: P893130

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-HI-5000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	17.7	17.7	20.7	27.5	34.4	38.4	43.3	52.1	62.0	72.8	82.6
115°	20.7	19.7	22.6	28.5	35.4	38.4	43.3	51.1	60.0	69.8	79.7
117.5°	22.6	21.6	24.6	29.5	35.4	39.3	43.3	51.1	59.0	67.9	76.7
120°	25.6	23.6	25.6	30.5	36.4	39.3	43.3	50.2	58.0	65.9	73.8
122.5°	27.5	26.6	27.5	32.5	37.4	39.3	43.3	49.2	57.0	63.9	71.8
125°	30.5	28.5	29.5	33.4	38.4	40.3	44.3	49.2	56.1	62.9	69.8
127.5°	33.4	30.5	30.5	34.4	38.4	41.3	44.3	49.2	55.1	61.0	67.9
130°	35.4	33.4	32.5	36.4	39.3	41.3	44.3	49.2	54.1	60.0	65.9
132.5°	38.4	35.4	34.4	37.4	40.3	42.3	45.2	49.2	54.1	59.0	64.9
135°	40.3	37.4	36.4	38.4	41.3	43.3	45.2	49.2	54.1	58.0	62.9
137.5°	41.3	39.3	38.4	39.3	42.3	44.3	46.2	49.2	53.1	57.0	62.0
140°	43.3	41.3	40.3	41.3	43.3	44.3	46.2	49.2	53.1	56.1	61.0
142.5°	43.3	43.3	41.3	42.3	43.3	45.2	47.2	49.2	52.1	56.1	59.0
145°	44.3	44.3	43.3	44.3	44.3	45.2	47.2	49.2	52.1	55.1	58.0
147.5°	45.2	45.2	45.2	45.2	45.2	46.2	47.2	49.2	52.1	54.1	57.0
150°	45.2	45.2	46.2	46.2	47.2	47.2	48.2	49.2	52.1	54.1	56.1
152.5°	45.2	44.3	46.2	47.2	48.2	48.2	48.2	49.2	51.1	53.1	55.1
155°	44.3	43.3	45.2	46.2	47.2	48.2	49.2	49.2	51.1	52.1	54.1
157.5°	43.3	42.3	44.3	45.2	46.2	47.2	48.2	48.2	49.2	51.1	53.1
160°	42.3	41.3	42.3	44.3	45.2	46.2	47.2	47.2	48.2	49.2	51.1
162.5°	40.3	39.3	40.3	42.3	43.3	44.3	45.2	46.2	47.2	48.2	49.2
165°	37.4	37.4	37.4	39.3	41.3	42.3	43.3	44.3	45.2	46.2	47.2
167.5°	35.4	34.4	35.4	36.4	38.4	39.3	40.3	41.3	42.3	43.3	44.3
170°	35.4	34.4	34.4	35.4	36.4	36.4	37.4	38.4	39.3	40.3	41.3
172.5°	36.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	36.4	36.4
175°	36.4	36.4	35.4	35.4	34.4	34.4	34.4	34.4	33.4	32.5	32.5
177.5°	36.4	36.4	36.4	35.4	35.4	34.4	34.4	34.4	33.4	32.5	30.5
180°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5

TEST NUMBER: P893130

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-HI-5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5
2.5°	559.5	559.5	555.6	559.5	560.5	558.5	557.6	559.5	556.6	554.6
5°	557.6	557.6	554.6	558.5	559.5	557.6	557.6	559.5	556.6	555.6
7.5°	553.6	554.6	552.6	556.6	557.6	555.6	555.6	557.6	555.6	553.6
10°	549.7	549.7	548.7	551.7	551.7	550.7	549.7	551.7	550.7	547.7
12.5°	543.8	544.8	542.8	546.7	547.7	545.8	545.8	547.7	545.8	543.8
15°	536.9	536.9	536.9	539.9	540.8	539.9	539.9	541.8	539.9	537.9
17.5°	528.1	529.0	529.0	533.0	534.0	532.0	532.0	534.9	534.0	531.0
20°	517.2	518.2	519.2	522.2	523.1	522.2	522.2	524.1	524.1	521.2
22.5°	506.4	506.4	508.4	511.3	512.3	511.3	511.3	514.3	514.3	510.4
25°	493.6	493.6	496.6	500.5	500.5	499.5	500.5	502.5	503.5	500.5
27.5°	480.9	481.8	484.8	488.7	488.7	488.7	488.7	491.7	491.7	489.7
30°	466.1	468.1	471.0	475.0	475.9	475.9	476.9	478.9	480.9	477.9
32.5°	451.4	453.3	457.3	462.2	463.2	464.1	465.1	469.1	471.0	468.1
35°	436.6	438.6	444.5	450.4	451.4	452.3	454.3	458.2	460.2	457.3
37.5°	421.9	424.8	432.7	437.6	439.6	440.5	443.5	446.4	450.4	446.4
40°	408.1	411.0	419.9	425.8	426.8	428.7	431.7	435.6	438.6	435.6
42.5°	393.3	397.3	406.1	413.0	415.0	416.9	419.9	423.8	427.8	425.8
45°	378.6	383.5	393.3	400.2	402.2	405.1	409.1	413.0	416.9	414.0
47.5°	363.8	369.7	380.6	387.4	389.4	393.3	397.3	401.2	405.1	403.2
50°	349.1	355.0	366.8	374.7	377.6	381.5	384.5	389.4	393.3	391.4
52.5°	335.3	341.2	354.0	361.9	364.8	368.8	372.7	377.6	381.5	379.6
55°	319.6	326.5	340.2	348.1	351.1	356.0	360.9	364.8	369.7	367.8
57.5°	305.8	313.7	327.5	336.3	339.3	344.2	349.1	354.0	358.9	356.0
60°	292.1	299.9	314.7	323.5	326.5	332.4	337.3	341.2	347.1	345.2
62.5°	278.3	287.1	300.9	310.7	314.7	319.6	324.5	329.4	334.3	333.4
65°	263.5	273.4	288.1	298.0	301.9	307.8	312.7	317.6	322.5	321.6
67.5°	251.7	261.6	276.3	286.2	290.1	296.0	301.9	306.8	311.7	310.7
70°	238.0	248.8	263.5	273.4	277.3	283.2	289.1	294.0	298.9	298.9
72.5°	226.2	237.0	251.7	261.6	266.5	272.4	278.3	283.2	288.1	287.1
75°	214.4	225.2	239.9	249.8	254.7	261.6	267.5	272.4	277.3	276.3
77.5°	201.6	213.4	228.1	238.0	242.9	249.8	255.7	260.6	265.5	264.5
80°	189.8	202.6	217.3	227.2	232.1	238.0	244.9	249.8	254.7	253.7
82.5°	179.0	191.8	207.5	217.3	222.2	228.1	235.0	239.9	243.9	243.9
85°	169.1	180.9	195.7	206.5	211.4	217.3	224.2	229.1	234.0	233.1
87.5°	159.3	171.1	184.9	195.7	200.6	206.5	214.4	219.3	223.2	223.2
90°	150.5	162.3	176.0	185.9	190.8	196.7	203.6	209.5	213.4	213.4
92.5°	142.6	153.4	167.2	176.0	180.9	186.8	194.7	198.6	202.6	202.6
95°	134.7	145.5	158.3	167.2	172.1	178.0	184.9	189.8	192.7	193.7
97.5°	126.9	137.7	150.5	158.3	163.2	169.1	176.0	180.0	182.9	183.9
100°	120.0	130.8	142.6	150.5	155.4	161.3	167.2	171.1	174.1	175.0
102.5°	114.1	123.9	135.7	143.6	147.5	152.4	159.3	163.2	166.2	166.2
105°	108.2	118.0	128.8	136.7	140.6	145.5	151.4	155.4	158.3	158.3
107.5°	102.3	112.1	121.9	129.8	133.7	137.7	143.6	147.5	150.5	150.5
110°	97.4	106.2	116.0	122.9	126.9	130.8	136.7	140.6	142.6	143.6

TEST NUMBER: P893130

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-HI-5000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	93.4	101.3	110.1	117.0	121.0	124.9	129.8	133.7	135.7	136.7
115°	89.5	96.4	105.2	111.1	115.1	119.0	123.9	126.9	128.8	129.8
117.5°	85.6	92.4	100.3	106.2	109.2	113.1	118.0	121.0	122.9	123.9
120°	82.6	88.5	96.4	101.3	104.2	108.2	112.1	115.1	117.0	117.0
122.5°	78.7	85.6	91.5	96.4	99.3	102.3	107.2	109.2	111.1	111.1
125°	76.7	81.6	88.5	92.4	95.4	98.3	102.3	104.2	106.2	106.2
127.5°	73.8	78.7	84.6	88.5	90.5	93.4	97.4	99.3	100.3	101.3
130°	71.8	76.7	81.6	85.6	87.5	89.5	93.4	94.4	96.4	96.4
132.5°	69.8	73.8	78.7	81.6	83.6	85.6	88.5	90.5	91.5	92.4
135°	67.9	71.8	75.7	78.7	80.6	82.6	85.6	86.5	87.5	88.5
137.5°	65.9	69.8	72.8	75.7	76.7	78.7	81.6	82.6	83.6	83.6
140°	63.9	67.9	70.8	72.8	74.7	75.7	78.7	79.7	79.7	80.6
142.5°	62.9	65.9	67.9	69.8	71.8	72.8	74.7	75.7	76.7	76.7
145°	61.0	63.9	65.9	67.9	68.8	69.8	71.8	72.8	73.8	73.8
147.5°	60.0	62.0	63.9	65.9	66.9	67.9	69.8	69.8	70.8	70.8
150°	58.0	61.0	62.0	63.9	64.9	64.9	66.9	67.9	67.9	67.9
152.5°	57.0	59.0	60.0	61.0	62.0	62.9	63.9	64.9	64.9	64.9
155°	56.1	58.0	59.0	60.0	60.0	61.0	62.0	62.0	62.0	62.9
157.5°	55.1	56.1	57.0	58.0	58.0	59.0	60.0	60.0	60.0	60.0
160°	53.1	54.1	55.1	56.1	57.0	57.0	58.0	58.0	58.0	58.0
162.5°	50.2	52.1	53.1	54.1	55.1	55.1	56.1	56.1	56.1	56.1
165°	48.2	49.2	50.2	52.1	53.1	53.1	54.1	54.1	54.1	54.1
167.5°	46.2	46.2	47.2	48.2	50.2	51.1	52.1	53.1	53.1	53.1
170°	42.3	42.3	43.3	43.3	45.2	46.2	48.2	50.2	51.1	51.1
172.5°	37.4	37.4	38.4	37.4	38.4	38.4	39.3	41.3	43.3	44.3
175°	32.5	32.5	30.5	29.5	29.5	28.5	28.5	27.5	25.6	27.5
177.5°	28.5	27.5	25.6	23.6	23.6	22.6	22.6	20.7	18.7	18.7
180°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5

TEST NUMBER: P893130

CATALOG NUMBER: 2MB-SC3-RNDU-UNV-CC93-HI-5000K

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	14.12	15.43	14.77	16.10	16.87	17.51	18.82	18.15	19.49	20.26
	3H	15.45	16.64	16.10	17.32	18.12	20.33	21.52	20.98	22.20	23.00
	4H	15.84	16.98	16.52	17.67	18.48	21.74	22.88	22.42	23.57	24.38
	6H	16.05	17.11	16.74	17.81	18.64	23.23	24.29	23.92	24.99	25.82
	8H	16.09	17.10	16.78	17.82	18.66	23.98	25.00	24.68	25.72	26.55
	12H	16.09	17.06	16.80	17.78	18.64	24.78	25.75	25.48	26.46	27.33
4H	2H	15.25	16.39	15.93	17.07	17.89	17.85	18.98	18.52	19.67	20.49
	3H	16.86	17.83	17.54	18.55	19.39	20.90	21.88	21.59	22.60	23.44
	4H	17.42	18.31	18.12	19.04	19.90	22.50	23.40	23.20	24.12	24.99
	6H	17.76	18.55	18.48	19.30	20.17	24.20	24.99	24.92	25.74	26.61
	8H	17.83	18.58	18.56	19.33	20.21	25.07	25.82	25.80	26.57	27.45
	12H	17.86	18.54	18.61	19.31	20.20	26.00	26.69	26.75	27.46	28.35
8H	4H	18.46	19.21	19.19	19.96	20.84	22.68	23.43	23.40	24.17	25.06
	6H	19.07	19.71	19.83	20.50	21.38	24.56	25.20	25.32	25.99	26.87
	8H	19.27	19.85	20.04	20.64	21.54	25.59	26.17	26.36	26.95	27.85
	12H	19.39	19.90	20.16	20.68	21.64	26.72	27.24	27.49	28.02	28.98
12H	4H	18.79	19.47	19.54	20.25	21.14	22.67	23.35	23.42	24.13	25.02
	6H	19.57	20.15	20.33	20.93	21.83	24.59	25.17	25.36	25.96	26.86
	8H	19.90	20.41	20.67	21.19	22.15	25.69	26.20	26.46	26.98	27.94