

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: P894329

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894329
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-LOW-5000K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 50
CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

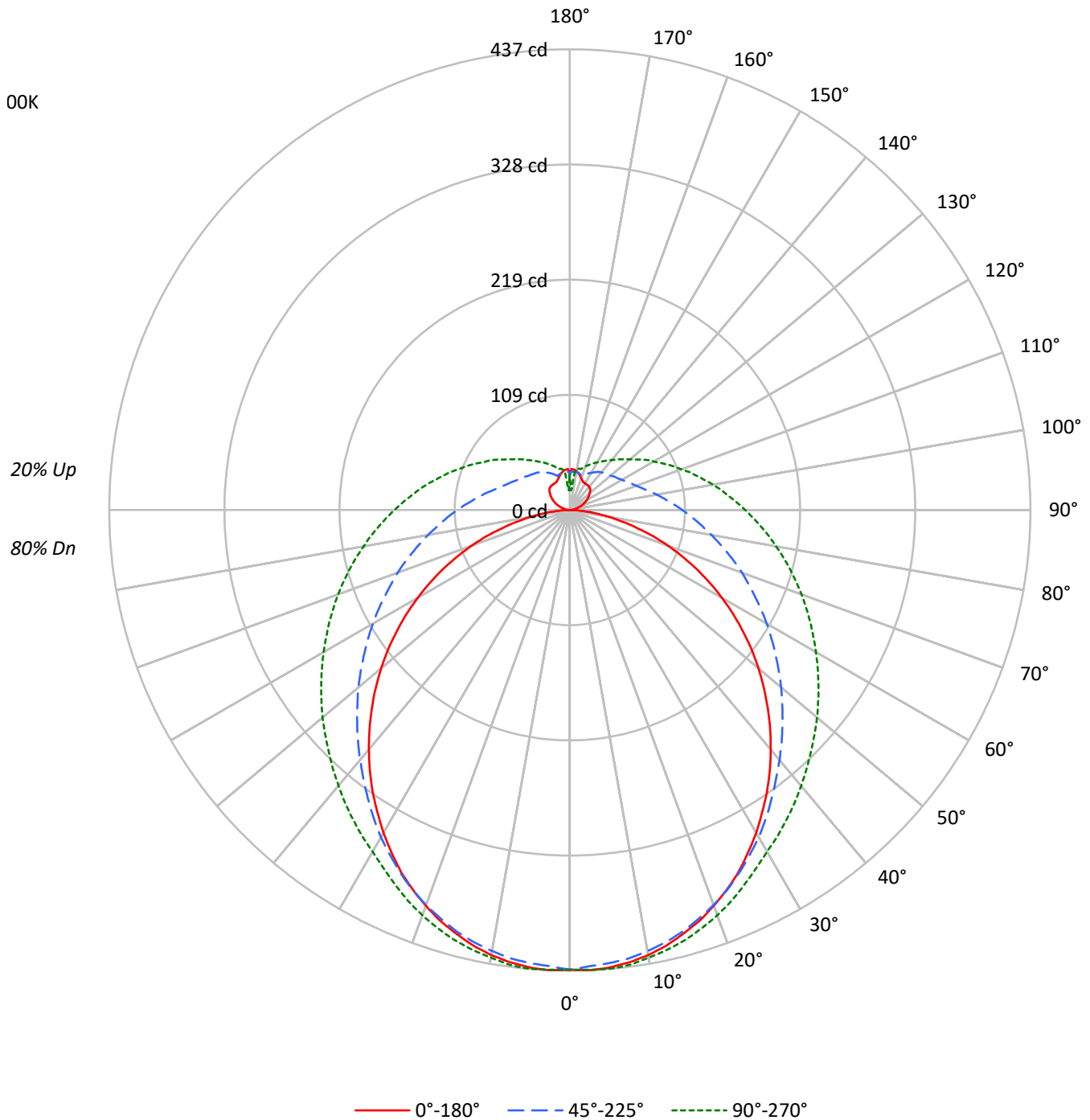
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1834.0 lumens
Efficiency: N/A
Efficacy: 109.8 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): 16.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9915
Total Harmonic Distortion (THDi): 6.67573310469889
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	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°	3102	3102	3102
5°	3097	2971	2978
10°	3068	2855	2840
15°	3023	2738	2712
20°	2968	2615	2583
25°	2903	2490	2452
30°	2819	2366	2335
35°	2732	2236	2250
40°	2639	2120	2172
45°	2539	2016	2104
50°	2434	1924	2050
55°	2313	1839	2003
60°	2176	1769	1969
65°	2010	1707	1949
70°	1804	1669	1943
75°	1527	1641	1952
80°	1194	1641	1982
85°	761	1684	2047

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2539 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	2.2
10°-20°	117.6	6.4
20°-30°	176.6	9.6
30°-40°	212.4	11.6
40°-50°	225.0	12.3
50°-60°	216.7	11.8
60°-70°	191.8	10.5
70°-80°	157.3	8.6
80°-90°	122.1	6.7
90°-100°	94.7	5.2
100°-110°	75.1	4.1
110°-120°	59.8	3.3
120°-130°	47.5	2.6
130°-140°	37.1	2.0
140°-150°	27.3	1.5
150°-160°	18.1	1.0
160°-170°	10.4	0.6
170°-180°	3.3	0.2
0°-30°	335.5	18.3
0°-40°	547.9	29.9
0°-60°	989.6	54.0
0°-90°	1460.7	79.6
90°-120°	229.6	12.5
90°-150°	341.5	18.6
90°-180°	373.0	20.3
0°-180°	1834.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	436	436	436	436	436	
5°	436	436	432	435	437	41
15°	416	416	414	420	422	117
25°	379	380	380	390	392	174
35°	326	330	334	351	358	204
45°	266	272	285	312	324	205
55°	200	210	238	273	288	179
65°	133	151	194	234	252	131
75°	66	100	154	198	216	71
85°	15	60	121	165	182	17
90°	0	47	107	149	166	1
95°	2	39	94	135	151	2
105°	8	32	74	110	125	8
115°	15	30	62	90	102	15
125°	22	32	54	74	83	19
135°	27	34	48	62	68	21
145°	29	33	44	54	57	18
155°	30	34	38	46	48	14
165°	35	37	36	36	40	10
175°	39	38	36	30	20	4
180°	34	34	34	34	34	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0
2.5°	436.9	436.5	437.3	438.1	440.6	437.3	438.9	434.4	434.8	435.2	433.1
5°	435.6	434.4	435.6	436.5	438.5	436.0	437.7	432.7	433.1	434.0	431.5
7.5°	432.7	431.5	432.3	433.1	435.2	432.7	434.8	429.8	430.6	431.1	429.0
10°	428.6	426.9	427.7	429.0	430.6	428.6	430.2	425.7	426.1	426.9	424.8
12.5°	423.2	421.5	422.3	423.2	425.2	423.2	424.8	420.3	421.1	421.9	419.9
15°	416.1	414.5	415.3	416.1	417.8	416.5	418.2	413.6	414.5	416.1	414.0
17.5°	408.7	406.2	407.0	408.2	409.9	409.1	410.3	406.6	407.0	408.7	406.6
20°	399.5	397.0	397.9	399.1	400.8	400.4	401.2	397.9	398.7	400.8	398.7
22.5°	389.6	387.1	387.9	389.6	390.8	390.8	391.2	388.7	389.6	391.6	390.0
25°	378.8	376.3	377.1	378.8	380.0	380.0	380.9	378.4	379.6	381.7	380.0
27.5°	366.3	365.1	365.1	366.8	367.6	368.4	368.8	366.8	368.4	370.5	369.2
30°	353.5	351.8	352.6	354.7	354.7	356.4	356.4	354.7	356.8	359.3	358.5
32.5°	339.8	338.5	339.0	341.4	341.4	343.5	343.1	342.3	344.3	347.3	346.4
35°	326.1	324.8	325.3	327.8	327.8	330.2	329.4	329.4	331.5	334.8	334.0
37.5°	311.6	310.7	311.2	313.6	313.6	316.1	315.3	315.7	318.2	321.9	321.5
40°	296.6	295.8	296.6	298.7	299.5	301.6	300.8	301.6	304.9	308.3	309.5
42.5°	281.3	280.9	281.7	283.8	284.6	286.7	286.3	287.5	290.8	295.8	297.5
45°	265.5	265.5	266.4	268.4	269.3	271.7	271.3	273.0	277.1	282.5	285.4
47.5°	249.8	250.2	250.6	253.1	253.1	257.2	256.0	258.5	263.9	270.1	273.4
50°	233.6	234.4	234.8	236.9	237.7	241.5	240.6	244.8	250.6	257.2	261.8
52.5°	217.4	218.2	219.1	220.7	221.5	226.1	225.3	230.7	237.7	244.8	249.8
55°	200.4	202.0	202.5	204.5	205.8	210.3	210.3	216.6	224.0	231.9	238.1
57.5°	183.8	185.5	185.9	188.4	190.0	195.4	196.2	203.3	211.6	219.5	226.9
60°	166.8	168.9	169.3	171.8	174.7	180.5	181.7	189.6	198.7	207.0	215.7
62.5°	149.8	151.8	152.7	155.2	159.7	165.5	167.6	176.7	186.3	195.4	204.9
65°	132.8	134.8	136.1	139.4	144.8	151.0	153.9	163.5	174.2	183.8	193.7
67.5°	115.8	118.2	119.9	124.0	131.1	137.7	140.6	151.4	162.6	173.0	183.4
70°	99.2	101.6	103.7	109.1	117.4	124.0	127.8	139.4	151.0	162.2	173.8
72.5°	83.0	85.5	88.4	95.0	104.1	111.6	115.8	127.8	140.6	151.8	163.9
75°	66.4	69.3	72.6	81.7	92.1	99.6	104.1	117.0	130.3	141.5	154.3
77.5°	51.4	54.3	59.3	68.5	80.1	88.4	93.3	107.0	120.7	131.9	145.2
80°	37.8	40.7	47.3	57.3	69.3	77.2	83.4	97.5	111.6	123.2	136.5
82.5°	25.7	28.6	36.5	47.3	60.2	68.0	73.8	88.8	102.9	114.9	128.2
85°	14.9	19.1	27.4	39.0	52.3	60.2	66.0	81.3	95.0	107.0	120.7
87.5°	6.6	11.6	20.7	32.4	45.6	53.1	59.3	73.4	88.0	100.0	113.7
90°	0.4	6.6	16.2	27.4	40.2	47.3	53.1	67.2	80.9	93.3	106.6
92.5°	0.8	4.6	13.3	23.6	35.7	42.7	48.5	61.8	74.7	87.5	100.4
95°	2.1	4.6	11.6	21.2	32.4	39.0	44.4	57.3	69.3	81.7	94.2
97.5°	3.3	5.0	11.2	19.9	29.9	36.1	41.1	53.1	65.1	76.3	88.8
100°	4.6	6.2	11.2	19.1	28.2	34.0	38.6	49.8	61.0	71.4	83.8
102.5°	5.8	7.5	12.0	19.1	27.4	32.4	36.9	47.3	57.7	67.2	78.8
105°	7.5	8.7	12.9	19.1	26.6	31.5	35.3	44.8	54.8	63.9	74.3
107.5°	9.1	10.0	13.7	19.5	26.6	30.7	34.4	43.1	52.3	60.6	70.5
110°	11.2	11.6	14.9	20.3	26.6	30.3	33.6	41.9	50.2	58.1	67.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	12.9	12.9	16.2	21.2	26.6	30.3	33.2	40.7	48.5	55.6	64.3
115°	14.9	14.9	17.4	22.0	27.0	30.3	33.2	40.2	47.3	53.5	61.8
117.5°	16.6	16.6	19.1	22.8	27.8	30.7	33.2	39.4	46.1	51.9	59.3
120°	18.3	18.3	19.9	23.6	28.2	31.1	33.2	39.0	44.8	50.6	57.3
122.5°	19.9	19.9	21.2	24.9	28.6	31.1	33.2	38.6	44.0	49.0	55.2
125°	21.6	21.6	22.4	25.7	29.5	31.5	33.6	38.6	43.6	47.7	53.9
127.5°	23.2	22.8	24.1	27.0	29.9	31.9	34.0	38.6	42.7	46.9	52.3
130°	24.5	24.1	25.7	27.8	30.7	32.4	34.0	38.2	42.3	46.1	50.6
132.5°	26.1	25.3	27.4	28.2	31.5	33.2	34.4	38.2	41.9	45.2	49.8
135°	27.4	26.6	28.6	29.5	31.9	33.6	34.8	38.2	41.5	44.8	48.5
137.5°	28.2	27.8	29.9	30.7	32.4	34.0	35.3	38.2	41.1	44.0	47.7
140°	28.6	28.2	29.9	31.5	32.4	34.0	34.8	37.8	40.7	43.1	46.5
142.5°	29.0	29.0	30.3	31.9	32.4	33.6	34.8	37.3	39.8	41.9	45.6
145°	29.0	29.0	30.3	32.4	32.8	33.2	34.0	36.5	38.6	40.7	44.0
147.5°	29.0	29.0	30.7	32.4	33.2	33.6	33.2	35.7	37.8	39.4	42.3
150°	29.0	29.0	30.7	32.4	33.6	34.0	33.6	34.8	36.5	38.2	40.7
152.5°	29.5	29.5	30.7	32.4	33.6	34.0	34.0	34.0	35.3	36.9	39.4
155°	29.5	29.9	30.7	33.2	34.0	34.4	34.4	34.4	34.0	35.7	37.8
157.5°	30.7	31.1	31.5	33.6	34.4	34.8	34.8	34.8	34.4	34.0	36.1
160°	31.9	32.4	32.8	34.4	35.3	35.7	35.7	35.7	34.8	34.4	34.4
162.5°	33.2	34.0	34.0	34.8	35.7	36.1	36.1	36.5	35.7	35.3	34.8
165°	34.8	35.3	35.3	35.7	36.5	36.9	36.5	36.9	36.5	36.1	35.7
167.5°	36.1	36.5	36.5	36.9	36.9	37.3	37.3	37.3	36.9	36.5	36.5
170°	37.3	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.3	36.5	36.5
172.5°	38.2	38.6	38.6	38.2	38.2	38.2	38.2	37.8	36.9	36.5	36.5
175°	38.6	39.0	39.0	38.6	38.2	38.2	38.2	37.8	36.9	36.5	36.5
177.5°	39.0	39.4	39.0	39.0	38.2	38.2	38.2	38.2	37.3	36.9	36.5
180°	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0	436.0
2.5°	435.6	430.6	434.0	434.4	436.0	434.4	435.6	434.4	437.7	436.5
5°	434.0	429.4	432.3	432.7	434.8	432.7	434.8	434.0	438.1	436.9
7.5°	431.1	427.3	429.8	430.2	432.7	430.6	432.7	431.9	436.9	435.2
10°	426.9	424.0	426.5	426.9	429.4	427.3	429.0	428.2	433.5	431.1
12.5°	422.3	419.9	421.9	422.3	425.2	423.2	425.2	424.4	429.8	427.3
15°	415.7	414.5	416.5	417.4	420.3	418.6	420.7	419.9	425.7	422.3
17.5°	409.1	408.2	410.3	411.1	414.5	412.4	414.5	413.6	419.4	416.1
20°	400.8	400.4	402.4	403.7	406.6	404.5	407.0	406.2	412.4	409.1
22.5°	392.1	392.1	393.7	395.0	397.9	396.2	398.7	398.3	404.5	401.2
25°	382.5	382.9	384.6	386.3	389.6	388.3	390.4	390.4	396.2	392.1
27.5°	371.7	373.8	375.0	377.1	380.0	378.8	380.9	381.3	387.1	382.9
30°	360.5	363.4	364.7	367.2	369.7	369.7	371.7	372.6	378.4	374.2
32.5°	348.9	352.2	353.9	357.2	360.5	360.5	363.4	364.7	370.5	366.8
35°	337.3	341.9	343.9	348.1	351.4	351.8	354.7	356.4	362.2	358.5
37.5°	326.1	331.9	334.0	339.0	341.9	342.7	346.0	348.1	353.5	350.2
40°	314.5	321.5	324.0	329.4	331.9	333.6	336.9	339.4	344.3	341.4
42.5°	303.3	311.2	313.6	319.5	322.4	324.0	327.3	330.7	335.6	332.7
45°	292.1	300.8	303.7	309.9	312.4	314.9	318.6	321.5	326.1	323.6
47.5°	281.3	290.4	293.3	300.0	302.9	305.8	309.1	313.2	317.4	314.9
50°	270.1	279.6	283.4	290.4	292.9	296.2	300.4	304.1	308.3	306.2
52.5°	259.3	269.3	273.0	280.5	283.4	286.7	290.8	295.0	298.7	297.1
55°	247.7	258.5	262.6	270.5	273.4	276.7	281.3	285.9	289.2	287.9
57.5°	236.9	248.1	252.2	261.0	263.4	267.6	272.2	277.1	280.0	278.8
60°	226.1	237.3	242.3	251.0	253.9	258.1	262.6	268.0	270.5	269.7
62.5°	215.3	226.9	232.3	241.5	243.9	248.5	253.9	258.5	261.0	260.5
65°	205.4	216.6	222.8	231.9	234.4	239.4	244.4	249.3	251.8	251.8
67.5°	195.0	207.0	213.2	222.8	224.9	230.3	235.7	240.6	242.7	242.7
70°	185.5	197.1	204.1	213.7	215.7	220.7	226.5	231.9	233.6	234.0
72.5°	175.9	187.5	195.0	204.9	207.0	212.0	217.4	223.2	224.4	224.9
75°	166.8	178.4	185.9	195.8	197.9	202.9	208.7	214.1	215.7	216.2
77.5°	157.7	169.3	177.6	187.1	189.2	194.2	200.0	205.4	206.6	207.4
80°	149.4	160.6	168.4	178.8	180.9	185.9	191.3	196.7	197.5	198.7
82.5°	141.1	152.3	160.6	170.5	172.6	177.6	183.0	188.4	189.2	190.8
85°	133.2	144.4	152.7	162.2	164.7	169.3	175.1	180.1	180.9	182.1
87.5°	126.1	136.5	145.2	154.3	156.8	161.4	167.2	172.2	172.6	174.2
90°	118.7	129.0	137.7	146.9	149.4	153.5	159.3	164.3	165.1	166.4
92.5°	112.4	122.0	131.1	139.8	141.9	146.5	151.8	156.8	157.7	158.9
95°	105.8	115.3	124.5	132.8	134.8	139.4	144.4	149.4	150.2	151.4
97.5°	100.0	109.1	117.8	126.1	128.2	132.3	137.7	142.3	143.1	144.8
100°	94.6	103.3	112.4	119.9	122.0	126.1	131.1	135.7	136.5	138.2
102.5°	89.6	97.9	106.6	113.7	116.2	119.9	124.9	129.0	129.9	131.1
105°	85.0	92.9	101.2	107.9	110.4	114.1	118.7	122.8	123.6	124.9
107.5°	80.5	88.0	95.8	102.5	104.5	107.9	112.4	116.6	117.4	119.1
110°	76.3	83.8	91.3	97.5	100.0	102.5	107.0	110.8	111.6	112.8



TEST NUMBER: P894329

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	72.6	79.2	86.7	92.5	94.6	97.5	101.2	105.0	105.8	107.5
115°	69.3	75.5	83.0	88.4	90.0	92.5	96.7	100.0	100.8	102.1
117.5°	66.4	71.8	78.4	83.8	85.9	88.0	91.7	94.6	95.8	96.7
120°	63.9	68.9	74.7	79.7	82.1	83.8	87.1	90.0	91.3	92.1
122.5°	61.4	66.0	71.4	75.9	78.0	79.2	83.0	85.5	86.7	88.0
125°	59.3	63.5	68.5	72.2	74.3	75.5	78.8	81.3	82.6	83.4
127.5°	57.3	61.0	66.0	68.9	70.9	71.8	74.7	77.2	78.4	78.8
130°	55.2	58.9	63.1	66.0	67.6	68.9	71.4	73.0	74.3	74.7
132.5°	53.5	56.8	60.6	63.5	65.1	65.6	68.0	69.7	70.9	71.4
135°	52.3	54.8	58.5	61.0	62.2	63.1	65.1	66.4	67.6	68.0
137.5°	50.6	53.1	56.4	58.1	59.7	60.2	62.2	63.5	64.7	65.1
140°	49.4	51.4	54.3	56.0	57.7	57.7	59.3	60.6	61.8	61.8
142.5°	48.1	50.2	52.7	54.3	55.6	55.6	57.3	58.1	59.3	59.3
145°	46.5	48.5	51.0	52.3	53.5	53.5	54.8	55.6	56.8	56.8
147.5°	44.8	46.9	49.4	50.2	51.4	51.4	52.7	53.5	54.3	54.3
150°	42.7	44.4	47.3	48.5	49.8	49.8	50.6	51.4	52.3	52.3
152.5°	41.1	42.3	44.8	46.5	47.7	47.7	48.5	49.4	50.2	50.2
155°	39.0	40.2	42.3	44.4	45.6	46.1	46.9	47.3	48.1	48.1
157.5°	37.3	38.6	40.2	41.9	43.1	44.0	45.2	45.6	46.1	46.1
160°	35.3	36.1	37.8	39.4	40.7	41.5	43.6	44.0	44.4	44.4
162.5°	34.4	34.4	35.3	36.5	37.8	38.2	40.2	41.9	42.7	42.3
165°	34.8	34.4	34.4	34.8	35.7	36.1	37.3	39.8	40.7	40.2
167.5°	35.7	34.8	34.4	34.4	35.3	35.3	36.5	38.6	41.1	40.2
170°	35.7	34.4	33.6	33.6	34.0	34.0	34.8	36.1	38.6	39.0
172.5°	35.3	34.4	33.2	31.5	31.9	31.5	31.1	31.9	32.4	36.5
175°	35.7	34.4	33.2	31.1	30.3	29.0	27.0	25.3	24.9	20.3
177.5°	35.3	34.0	32.4	30.7	29.9	28.2	25.7	22.8	21.2	18.7
180°	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6



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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	10.86	12.17	11.51	12.84	13.61	14.41	15.72	15.05	16.39	17.16
	3H	12.21	13.41	12.87	14.09	14.89	17.33	18.52	17.98	19.20	20.00
	4H	12.62	13.76	13.29	14.44	15.26	18.80	19.94	19.48	20.63	21.44
	6H	12.83	13.90	13.52	14.59	15.42	20.36	21.42	21.05	22.12	22.95
	8H	12.87	13.89	13.56	14.60	15.44	21.17	22.19	21.87	22.91	23.74
	12H	12.87	13.85	13.57	14.56	15.42	22.05	23.02	22.75	23.74	24.60
4H	2H	12.01	13.14	12.68	13.83	14.65	14.73	15.87	15.40	16.56	17.37
	3H	13.65	14.63	14.34	15.35	16.18	17.88	18.86	18.57	19.58	20.41
	4H	14.22	15.12	14.92	15.84	16.70	19.53	20.43	20.23	21.15	22.02
	6H	14.56	15.36	15.28	16.11	16.97	21.30	22.10	22.02	22.85	23.72
	8H	14.63	15.38	15.36	16.13	17.01	22.24	22.99	22.96	23.73	24.62
	12H	14.66	15.34	15.41	16.11	17.00	23.26	23.94	24.01	24.71	25.60
8H	4H	15.30	16.05	16.03	16.80	17.68	19.70	20.45	20.43	21.20	22.09
	6H	15.91	16.55	16.67	17.34	18.23	21.65	22.30	22.41	23.08	23.97
	8H	16.11	16.69	16.87	17.48	18.37	22.74	23.32	23.50	24.10	25.00
	12H	16.22	16.74	16.99	17.52	18.47	23.96	24.47	24.73	25.25	26.21
12H	4H	15.66	16.34	16.40	17.11	18.00	19.70	20.38	20.45	21.15	22.04
	6H	16.44	17.01	17.20	17.80	18.70	21.69	22.27	22.45	23.05	23.95
	8H	16.76	17.28	17.53	18.06	19.02	22.83	23.35	23.60	24.13	25.08