

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: P893677

Luminaire Tested: 4MB-5SL-RNDU-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893677
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-5SL-RNDU-UNV-L930
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

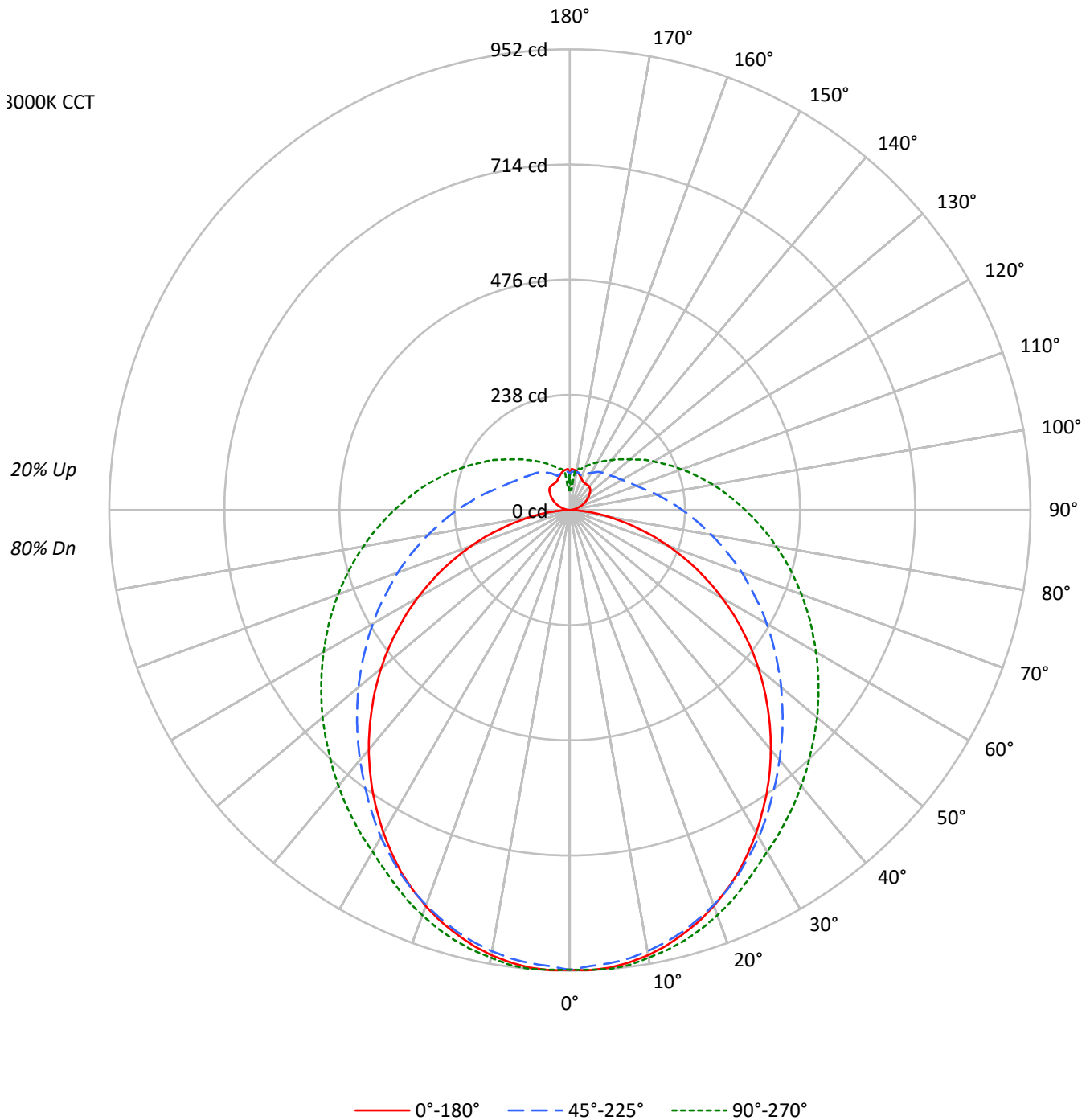
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3996.0 lumens
Efficiency: N/A
Efficacy: 114.2 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): 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

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CATALOG NUMBER: 4MB-5SL-RNDU-UNV-L930

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°	6760	6760	6760
5°	6748	6474	6488
10°	6685	6222	6188
15°	6586	5966	5910
20°	6468	5697	5626
25°	6325	5426	5341
30°	6142	5153	5089
35°	5953	4872	4903
40°	5750	4618	4734
45°	5531	4393	4583
50°	5302	4193	4467
55°	5039	4007	4365
60°	4741	3855	4290
65°	4379	3720	4247
70°	3928	3638	4233
75°	3325	3578	4252
80°	2600	3576	4319
85°	1660	3670	4460

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5531 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	2.2
10°-20°	256.3	6.4
20°-30°	384.8	9.6
30°-40°	462.7	11.6
40°-50°	490.3	12.3
50°-60°	472.1	11.8
60°-70°	417.9	10.5
70°-80°	342.7	8.6
80°-90°	266.0	6.7
90°-100°	206.4	5.2
100°-110°	163.6	4.1
110°-120°	130.3	3.3
120°-130°	103.5	2.6
130°-140°	80.8	2.0
140°-150°	59.5	1.5
150°-160°	39.3	1.0
160°-170°	22.6	0.6
170°-180°	7.3	0.2
0°-30°	731.0	18.3
0°-40°	1193.7	29.9
0°-60°	2156.2	54.0
0°-90°	3182.7	79.6
90°-120°	500.3	12.5
90°-150°	744.1	18.6
90°-180°	813.0	20.3
0°-180°	3996.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	950	950	950	950	950	
5°	949	950	940	947	952	90
15°	907	908	902	916	920	256
25°	825	828	828	849	854	380
35°	710	720	728	766	781	444
45°	578	592	622	681	705	446
55°	437	458	519	596	627	391
65°	289	329	422	511	549	286
75°	145	217	336	431	471	155
85°	32	131	263	359	397	37
90°	1	103	232	325	362	2
95°	4	85	205	294	330	5
105°	16	69	162	240	272	17
115°	32	66	135	196	222	32
125°	47	69	118	162	182	42
135°	60	73	106	136	148	46
145°	63	72	96	117	124	40
155°	64	75	82	99	105	30
165°	76	80	78	78	88	21
175°	84	83	80	66	44	8
180°	73	73	73	73	73	



TEST NUMBER: P893677
 CATALOG NUMBER: 4MB-5SL-RNDU-UNV-L930

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	950.1	950.1	950.1	950.1	950.1	950.1	950.1	950.1	950.1	950.1	950.1
2.5°	951.9	951.0	952.8	954.6	960.0	952.8	956.4	946.4	947.3	948.2	943.7
5°	949.2	946.4	949.2	951.0	955.5	950.1	953.7	942.8	943.7	945.5	940.1
7.5°	942.8	940.1	941.9	943.7	948.2	942.8	947.3	936.5	938.3	939.2	934.7
10°	933.8	930.2	932.0	934.7	938.3	933.8	937.4	927.5	928.4	930.2	925.6
12.5°	922.0	918.4	920.2	922.0	926.6	922.0	925.6	915.7	917.5	919.3	914.8
15°	906.7	903.0	904.9	906.7	910.3	907.6	911.2	901.2	903.0	906.7	902.1
17.5°	890.4	885.0	886.8	889.5	893.1	891.3	894.0	885.9	886.8	890.4	885.9
20°	870.5	865.1	866.9	869.6	873.2	872.3	874.1	866.9	868.7	873.2	868.7
22.5°	848.8	843.4	845.2	848.8	851.5	851.5	852.4	847.0	848.8	853.3	849.7
25°	825.3	819.9	821.7	825.3	828.0	828.0	829.8	824.4	827.1	831.6	828.0
27.5°	798.2	795.5	795.5	799.1	800.9	802.7	803.6	799.1	802.7	807.2	804.5
30°	770.2	766.6	768.4	772.9	772.9	776.5	776.5	772.9	777.4	782.8	781.0
32.5°	740.3	737.6	738.5	744.0	744.0	748.5	747.6	745.8	750.3	756.6	754.8
35°	710.5	707.8	708.7	714.1	714.1	719.5	717.7	717.7	722.3	729.5	727.7
37.5°	678.9	677.1	678.0	683.4	683.4	688.8	687.0	687.9	693.3	701.5	700.6
40°	646.3	644.5	646.3	650.8	652.7	657.2	655.4	657.2	664.4	671.6	674.3
42.5°	612.9	612.0	613.8	618.3	620.1	624.6	623.7	626.4	633.7	644.5	648.1
45°	578.5	578.5	580.3	584.9	586.7	592.1	591.2	594.8	603.8	615.6	621.9
47.5°	544.2	545.1	546.0	551.4	551.4	560.5	557.7	563.2	574.9	588.5	595.7
50°	508.9	510.7	511.6	516.2	518.0	526.1	524.3	533.3	546.0	560.5	570.4
52.5°	473.7	475.5	477.3	480.9	482.7	492.7	490.8	502.6	518.0	533.3	544.2
55°	436.6	440.2	441.1	445.6	448.4	458.3	458.3	471.9	488.1	505.3	518.9
57.5°	400.5	404.1	405.0	410.4	414.0	425.8	427.6	442.9	461.0	478.2	494.5
60°	363.4	367.9	368.8	374.2	380.6	393.2	395.9	413.1	433.0	451.1	470.1
62.5°	326.3	330.8	332.7	338.1	348.0	360.7	365.2	385.1	405.9	425.8	446.6
65°	289.3	293.8	296.5	303.7	315.5	329.0	335.4	356.2	379.7	400.5	422.1
67.5°	252.2	257.6	261.2	270.3	285.6	300.1	306.4	329.9	354.3	376.9	399.5
70°	216.0	221.5	226.0	237.7	255.8	270.3	278.4	303.7	329.0	353.4	378.8
72.5°	180.8	186.2	192.5	207.0	226.9	243.2	252.2	278.4	306.4	330.8	357.1
75°	144.6	151.0	158.2	178.1	200.7	216.9	226.9	254.9	283.8	308.2	336.3
77.5°	112.1	118.4	129.3	149.2	174.5	192.5	203.4	233.2	263.1	287.5	316.4
80°	82.3	88.6	103.1	124.7	151.0	168.1	181.7	212.4	243.2	268.5	297.4
82.5°	56.0	62.4	79.5	103.1	131.1	148.2	160.9	193.4	224.2	250.4	279.3
85°	32.5	41.6	59.7	85.0	113.9	131.1	143.7	177.2	207.0	233.2	263.1
87.5°	14.5	25.3	45.2	70.5	99.4	115.7	129.3	160.0	191.6	217.9	247.7
90°	0.9	14.5	35.3	59.7	87.7	103.1	115.7	146.4	176.3	203.4	232.3
92.5°	1.8	9.9	28.9	51.5	77.7	93.1	105.8	134.7	162.7	190.7	218.8
95°	4.5	9.9	25.3	46.1	70.5	85.0	96.7	124.7	151.0	178.1	205.2
97.5°	7.2	10.8	24.4	43.4	65.1	78.6	89.5	115.7	141.9	166.3	193.4
100°	9.9	13.6	24.4	41.6	61.5	74.1	84.1	108.5	132.9	155.5	182.6
102.5°	12.7	16.3	26.2	41.6	59.7	70.5	80.5	103.1	125.6	146.4	171.8
105°	16.3	19.0	28.0	41.6	57.9	68.7	76.8	97.6	119.3	139.2	161.8
107.5°	19.9	21.7	29.8	42.5	57.9	66.9	75.0	94.0	113.9	132.0	153.7
110°	24.4	25.3	32.5	44.3	57.9	66.0	73.2	91.3	109.4	126.6	146.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	28.0	28.0	35.3	46.1	57.9	66.0	72.3	88.6	105.8	121.1	140.1
115°	32.5	32.5	38.0	47.9	58.8	66.0	72.3	87.7	103.1	116.6	134.7
117.5°	36.2	36.2	41.6	49.7	60.6	66.9	72.3	85.9	100.3	113.0	129.3
120°	39.8	39.8	43.4	51.5	61.5	67.8	72.3	85.0	97.6	110.3	124.7
122.5°	43.4	43.4	46.1	54.2	62.4	67.8	72.3	84.1	95.8	106.7	120.2
125°	47.0	47.0	48.8	56.0	64.2	68.7	73.2	84.1	94.9	104.0	117.5
127.5°	50.6	49.7	52.4	58.8	65.1	69.6	74.1	84.1	93.1	102.1	113.9
130°	53.3	52.4	56.0	60.6	66.9	70.5	74.1	83.2	92.2	100.3	110.3
132.5°	56.9	55.1	59.7	61.5	68.7	72.3	75.0	83.2	91.3	98.5	108.5
135°	59.7	57.9	62.4	64.2	69.6	73.2	75.9	83.2	90.4	97.6	105.8
137.5°	61.5	60.6	65.1	66.9	70.5	74.1	76.8	83.2	89.5	95.8	104.0
140°	62.4	61.5	65.1	68.7	70.5	74.1	75.9	82.3	88.6	94.0	101.2
142.5°	63.3	63.3	66.0	69.6	70.5	73.2	75.9	81.4	86.8	91.3	99.4
145°	63.3	63.3	66.0	70.5	71.4	72.3	74.1	79.5	84.1	88.6	95.8
147.5°	63.3	63.3	66.9	70.5	72.3	73.2	72.3	77.7	82.3	85.9	92.2
150°	63.3	63.3	66.9	70.5	73.2	74.1	73.2	75.9	79.5	83.2	88.6
152.5°	64.2	64.2	66.9	70.5	73.2	74.1	74.1	74.1	76.8	80.5	85.9
155°	64.2	65.1	66.9	72.3	74.1	75.0	75.0	75.0	74.1	77.7	82.3
157.5°	66.9	67.8	68.7	73.2	75.0	75.9	75.9	75.9	75.0	74.1	78.6
160°	69.6	70.5	71.4	75.0	76.8	77.7	77.7	77.7	75.9	75.0	75.0
162.5°	72.3	74.1	74.1	75.9	77.7	78.6	78.6	79.5	77.7	76.8	75.9
165°	75.9	76.8	76.8	77.7	79.5	80.5	79.5	80.5	79.5	78.6	77.7
167.5°	78.6	79.5	79.5	80.5	80.5	81.4	81.4	81.4	80.5	79.5	79.5
170°	81.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	81.4	79.5	79.5
172.5°	83.2	84.1	84.1	83.2	83.2	83.2	83.2	82.3	80.5	79.5	79.5
175°	84.1	85.0	85.0	84.1	83.2	83.2	83.2	82.3	80.5	79.5	79.5
177.5°	85.0	85.9	85.0	85.0	83.2	83.2	83.2	83.2	81.4	80.5	79.5
180°	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	950.1	950.1	950.1	950.1	950.1	950.1	950.1	950.1	950.1	950.1
2.5°	949.2	938.3	945.5	946.4	950.1	946.4	949.2	946.4	953.7	951.0
5°	945.5	935.6	941.9	942.8	947.3	942.8	947.3	945.5	954.6	951.9
7.5°	939.2	931.1	936.5	937.4	942.8	938.3	942.8	941.0	951.9	948.2
10°	930.2	923.8	929.3	930.2	935.6	931.1	934.7	932.9	944.6	939.2
12.5°	920.2	914.8	919.3	920.2	926.6	922.0	926.6	924.7	936.5	931.1
15°	905.8	903.0	907.6	909.4	915.7	912.1	916.6	914.8	927.5	920.2
17.5°	891.3	889.5	894.0	895.8	903.0	898.5	903.0	901.2	913.9	906.7
20°	873.2	872.3	876.8	879.5	885.9	881.4	886.8	885.0	898.5	891.3
22.5°	854.2	854.2	857.9	860.6	866.9	863.3	868.7	867.8	881.4	874.1
25°	833.4	834.3	838.0	841.6	848.8	846.1	850.6	850.6	863.3	854.2
27.5°	809.9	814.5	817.2	821.7	828.0	825.3	829.8	830.7	843.4	834.3
30°	785.5	791.9	794.6	800.0	805.4	805.4	809.9	811.8	824.4	815.4
32.5°	760.2	767.5	771.1	778.3	785.5	785.5	791.9	794.6	807.2	799.1
35°	734.9	744.9	749.4	758.4	765.6	766.6	772.9	776.5	789.2	781.0
37.5°	710.5	723.2	727.7	738.5	744.9	746.7	753.9	758.4	770.2	762.9
40°	685.2	700.6	706.0	717.7	723.2	726.8	734.0	739.4	750.3	744.0
42.5°	660.8	678.0	683.4	696.0	702.4	706.0	713.2	720.5	731.3	725.0
45°	636.4	655.4	661.7	675.3	680.7	686.1	694.2	700.6	710.5	705.1
47.5°	612.9	632.8	639.1	653.6	659.9	666.2	673.4	682.5	691.5	686.1
50°	588.5	609.3	617.4	632.8	638.2	645.4	654.5	662.6	671.6	667.1
52.5°	565.0	586.7	594.8	611.1	617.4	624.6	633.7	642.7	650.8	647.2
55°	539.7	563.2	572.2	589.4	595.7	602.9	612.9	622.8	630.1	627.3
57.5°	516.2	540.6	549.6	568.6	574.0	583.1	593.0	603.8	610.2	607.5
60°	492.7	517.1	527.9	546.9	553.2	562.3	572.2	584.0	589.4	587.6
62.5°	469.2	494.5	506.2	526.1	531.5	541.5	553.2	563.2	568.6	567.7
65°	447.5	471.9	485.4	505.3	510.7	521.6	532.4	543.3	548.7	548.7
67.5°	424.9	451.1	464.6	485.4	489.9	501.7	513.4	524.3	528.8	528.8
70°	404.1	429.4	444.7	465.5	470.1	480.9	493.6	505.3	508.9	509.8
72.5°	383.3	408.6	424.9	446.6	451.1	461.9	473.7	486.3	489.0	489.9
75°	363.4	388.7	405.0	426.7	431.2	442.0	454.7	466.4	470.1	471.0
77.5°	343.5	368.8	386.9	407.7	412.2	423.1	435.7	447.5	450.2	452.0
80°	325.4	349.8	367.0	389.6	394.1	405.0	416.7	428.5	430.3	433.0
82.5°	307.3	331.8	349.8	371.5	376.0	386.9	398.6	410.4	412.2	415.8
85°	290.2	314.6	332.7	353.4	358.9	368.8	381.5	392.3	394.1	396.8
87.5°	274.8	297.4	316.4	336.3	341.7	351.6	364.3	375.1	376.0	379.7
90°	258.5	281.1	300.1	320.0	325.4	334.5	347.1	358.0	359.8	362.5
92.5°	245.0	265.8	285.6	304.6	309.2	319.1	330.8	341.7	343.5	346.2
95°	230.5	251.3	271.2	289.3	293.8	303.7	314.6	325.4	327.2	329.9
97.5°	217.9	237.7	256.7	274.8	279.3	288.4	300.1	310.1	311.9	315.5
100°	206.1	225.1	245.0	261.2	265.8	274.8	285.6	295.6	297.4	301.0
102.5°	195.3	213.3	232.3	247.7	253.1	261.2	272.1	281.1	282.9	285.6
105°	185.3	202.5	220.6	235.0	240.5	248.6	258.5	267.6	269.4	272.1
107.5°	175.4	191.6	208.8	223.3	227.8	235.0	245.0	254.0	255.8	259.4
110°	166.3	182.6	198.9	212.4	217.9	223.3	233.2	241.4	243.2	245.9



TEST NUMBER: P893677
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	158.2	172.7	188.9	201.6	206.1	212.4	220.6	228.7	230.5	234.1
115°	151.0	164.5	180.8	192.5	196.2	201.6	210.6	217.9	219.7	222.4
117.5°	144.6	156.4	170.8	182.6	187.1	191.6	199.8	206.1	208.8	210.6
120°	139.2	150.1	162.7	173.6	179.0	182.6	189.8	196.2	198.9	200.7
122.5°	133.8	143.7	155.5	165.4	169.9	172.7	180.8	186.2	188.9	191.6
125°	129.3	138.3	149.2	157.3	161.8	164.5	171.8	177.2	179.9	181.7
127.5°	124.7	132.9	143.7	150.1	154.6	156.4	162.7	168.1	170.8	171.8
130°	120.2	128.4	137.4	143.7	147.3	150.1	155.5	159.1	161.8	162.7
132.5°	116.6	123.8	132.0	138.3	141.9	142.8	148.2	151.9	154.6	155.5
135°	113.9	119.3	127.5	132.9	135.6	137.4	141.9	144.6	147.3	148.2
137.5°	110.3	115.7	122.9	126.6	130.2	131.1	135.6	138.3	141.0	141.9
140°	107.6	112.1	118.4	122.0	125.6	125.6	129.3	132.0	134.7	134.7
142.5°	104.9	109.4	114.8	118.4	121.1	121.1	124.7	126.6	129.3	129.3
145°	101.2	105.8	111.2	113.9	116.6	116.6	119.3	121.1	123.8	123.8
147.5°	97.6	102.1	107.6	109.4	112.1	112.1	114.8	116.6	118.4	118.4
150°	93.1	96.7	103.1	105.8	108.5	108.5	110.3	112.1	113.9	113.9
152.5°	89.5	92.2	97.6	101.2	104.0	104.0	105.8	107.6	109.4	109.4
155°	85.0	87.7	92.2	96.7	99.4	100.3	102.1	103.1	104.9	104.9
157.5°	81.4	84.1	87.7	91.3	94.0	95.8	98.5	99.4	100.3	100.3
160°	76.8	78.6	82.3	85.9	88.6	90.4	94.9	95.8	96.7	96.7
162.5°	75.0	75.0	76.8	79.5	82.3	83.2	87.7	91.3	93.1	92.2
165°	75.9	75.0	75.0	75.9	77.7	78.6	81.4	86.8	88.6	87.7
167.5°	77.7	75.9	75.0	75.0	76.8	76.8	79.5	84.1	89.5	87.7
170°	77.7	75.0	73.2	73.2	74.1	74.1	75.9	78.6	84.1	85.0
172.5°	76.8	75.0	72.3	68.7	69.6	68.7	67.8	69.6	70.5	79.5
175°	77.7	75.0	72.3	67.8	66.0	63.3	58.8	55.1	54.2	44.3
177.5°	76.8	74.1	70.5	66.9	65.1	61.5	56.0	49.7	46.1	40.7
180°	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2



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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	13.57	14.88	14.21	15.55	16.32	17.12	18.43	17.76	19.09	19.86
	3H	14.92	16.12	15.57	16.79	17.59	20.03	21.23	20.69	21.91	22.71
	4H	15.32	16.46	16.00	17.15	17.96	21.51	22.65	22.18	23.33	24.15
	6H	15.54	16.60	16.23	17.30	18.13	23.07	24.13	23.75	24.82	25.65
	8H	15.57	16.59	16.27	17.31	18.14	23.88	24.89	24.57	25.61	26.44
	12H	15.58	16.55	16.28	17.26	18.13	24.75	25.73	25.46	26.44	27.30
4H	2H	14.71	15.85	15.39	16.54	17.35	17.44	18.57	18.11	19.26	20.08
	3H	16.35	17.33	17.04	18.05	18.89	20.58	21.56	21.27	22.28	23.12
	4H	16.92	17.82	17.63	18.55	19.41	22.23	23.14	22.94	23.86	24.72
	6H	17.26	18.06	17.99	18.81	19.68	24.01	24.80	24.73	25.55	26.42
	8H	17.34	18.09	18.06	18.84	19.72	24.94	25.69	25.67	26.44	27.32
	12H	17.36	18.05	18.11	18.82	19.71	25.96	26.65	26.71	27.42	28.31
8H	4H	18.01	18.76	18.73	19.51	20.39	22.41	23.16	23.14	23.91	24.79
	6H	18.62	19.26	19.37	20.05	20.93	24.36	25.00	25.12	25.79	26.67
	8H	18.82	19.39	19.58	20.18	21.08	25.44	26.02	26.21	26.81	27.71
	12H	18.93	19.45	19.70	20.23	21.18	26.66	27.18	27.43	27.96	28.91
12H	4H	18.36	19.05	19.11	19.82	20.71	22.40	23.09	23.15	23.86	24.75
	6H	19.14	19.72	19.91	20.51	21.41	24.39	24.97	25.16	25.76	26.66
	8H	19.47	19.99	20.24	20.77	21.72	25.54	26.06	26.31	26.83	27.79