

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: P893674

Luminaire Tested: 4MB-5SL-RNDU-UNV-L835

Issue Date: 11/11/2024

**Test Information**

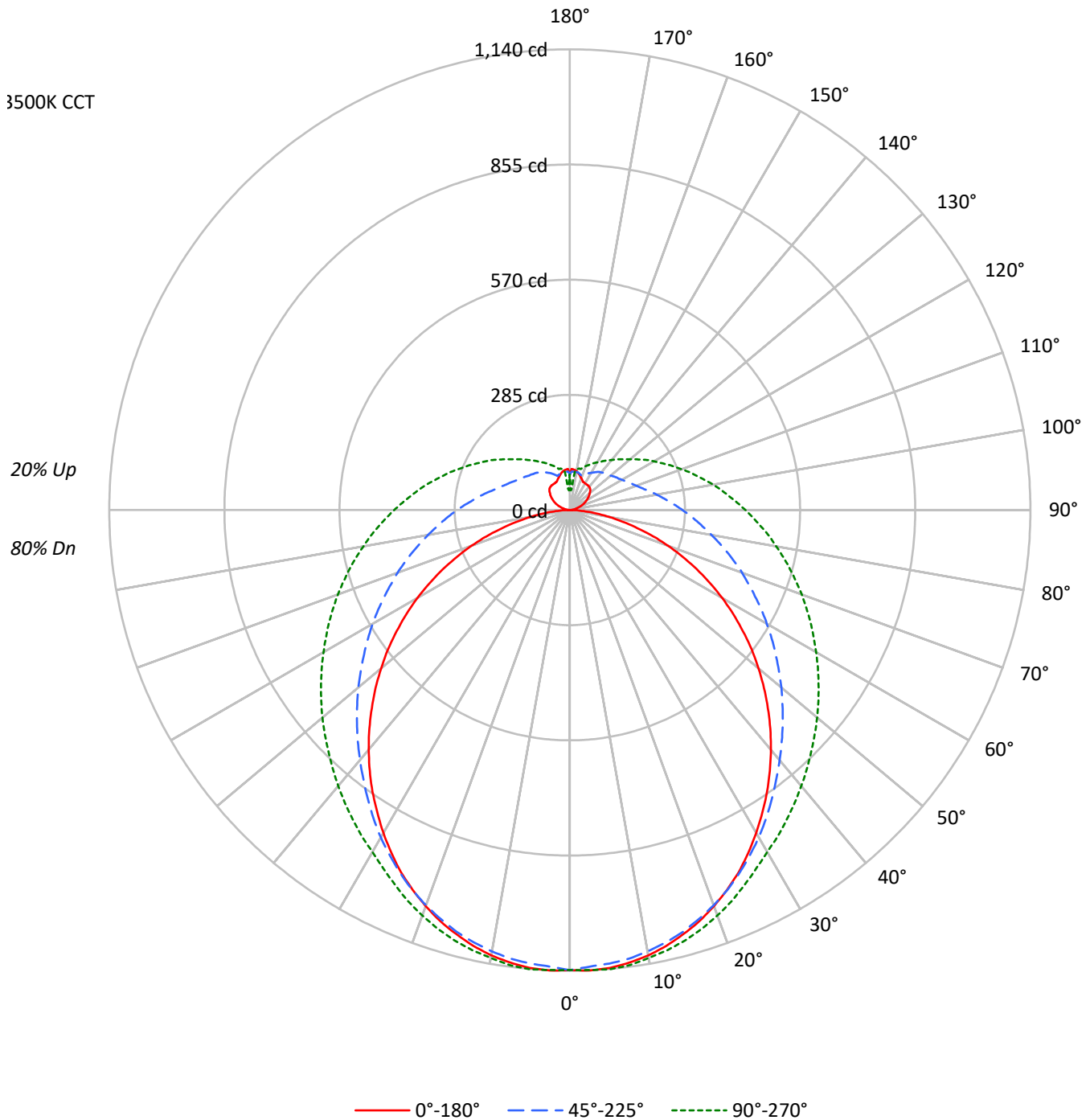
Test Method: LM-79-2019  
Report Number: P893674  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-5SL-RNDU-UNV-L835  
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4788.0 lumens  
Efficiency: N/A  
Efficacy: 136.8 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): 35  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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-L835

### 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°	8100	8100	8100
5°	8086	7757	7773
10°	8010	7455	7414
15°	7892	7149	7082
20°	7750	6827	6742
25°	7578	6502	6400
30°	7359	6175	6098
35°	7133	5838	5874
40°	6890	5534	5672
45°	6628	5264	5491
50°	6353	5023	5352
55°	6037	4801	5231
60°	5681	4619	5140
65°	5246	4458	5089
70°	4709	4358	5072
75°	3985	4286	5095
80°	3115	4285	5175
85°	1992	4397	5345

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6628 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.7	2.2
10°-20°	307.1	6.4
20°-30°	461.1	9.6
30°-40°	554.4	11.6
40°-50°	587.4	12.3
50°-60°	565.7	11.8
60°-70°	500.7	10.5
70°-80°	410.7	8.6
80°-90°	318.7	6.7
90°-100°	247.3	5.2
100°-110°	196.0	4.1
110°-120°	156.1	3.3
120°-130°	124.0	2.6
130°-140°	96.8	2.0
140°-150°	71.3	1.5
150°-160°	47.1	1.0
160°-170°	27.1	0.6
170°-180°	8.7	0.2
0°-30°	875.9	18.3
0°-40°	1430.3	29.9
0°-60°	2583.5	54.0
0°-90°	3813.5	79.6
90°-120°	599.4	12.5
90°-150°	891.5	18.6
90°-180°	975.0	20.4
0°-180°	4788.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1138	1138	1138	1138	1138	
5°	1137	1138	1126	1135	1140	108
15°	1086	1087	1081	1097	1103	306
25°	989	992	992	1017	1024	455
35°	851	862	872	917	936	532
45°	693	709	745	816	845	535
55°	523	549	622	714	752	468
65°	347	394	506	612	658	343
75°	173	260	403	517	564	185
85°	39	157	315	430	476	45
90°	1	124	278	390	434	3
95°	5	102	246	352	395	6
105°	20	82	194	288	326	21
115°	39	79	161	235	266	38
125°	56	82	141	194	218	50
135°	72	88	127	162	178	55
145°	76	87	115	140	148	48
155°	77	90	99	119	126	36
165°	91	96	93	93	105	25
175°	101	100	95	79	53	9
180°	88	88	88	88	88	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1138.4	1138.4	1138.4	1138.4	1138.4	1138.4	1138.4	1138.4	1138.4	1138.4	1138.4
2.5°	1140.5	1139.4	1141.6	1143.8	1150.3	1141.6	1145.9	1134.0	1135.1	1136.2	1130.8
5°	1137.3	1134.0	1137.3	1139.4	1144.9	1138.4	1142.7	1129.7	1130.8	1132.9	1126.4
7.5°	1129.7	1126.4	1128.6	1130.8	1136.2	1129.7	1135.1	1122.1	1124.3	1125.4	1119.9
10°	1118.9	1114.5	1116.7	1119.9	1124.3	1118.9	1123.2	1111.3	1112.4	1114.5	1109.1
12.5°	1104.8	1100.4	1102.6	1104.8	1110.2	1104.8	1109.1	1097.2	1099.4	1101.5	1096.1
15°	1086.4	1082.0	1084.2	1086.4	1090.7	1087.4	1091.8	1079.9	1082.0	1086.4	1080.9
17.5°	1066.9	1060.4	1062.5	1065.8	1070.1	1068.0	1071.2	1061.5	1062.5	1066.9	1061.5
20°	1043.0	1036.5	1038.7	1042.0	1046.3	1045.2	1047.4	1038.7	1040.9	1046.3	1040.9
22.5°	1017.0	1010.5	1012.7	1017.0	1020.3	1020.3	1021.4	1014.9	1017.0	1022.5	1018.1
25°	988.9	982.4	984.6	988.9	992.1	992.1	994.3	987.8	991.1	996.5	992.1
27.5°	956.4	953.1	953.1	957.5	959.6	961.8	962.9	957.5	961.8	967.2	964.0
30°	922.8	918.5	920.6	926.1	926.1	930.4	930.4	926.1	931.5	938.0	935.8
32.5°	887.1	883.8	884.9	891.4	891.4	896.8	895.7	893.6	899.0	906.6	904.4
35°	851.3	848.1	849.2	855.7	855.7	862.2	860.0	860.0	865.4	874.1	871.9
37.5°	813.4	811.3	812.3	818.8	818.8	825.3	823.2	824.3	830.7	840.5	839.4
40°	774.4	772.3	774.4	779.8	782.0	787.4	785.3	787.4	796.1	804.8	808.0
42.5°	734.4	733.3	735.4	740.9	743.0	748.4	747.3	750.6	759.3	772.3	776.6
45°	693.2	693.2	695.4	700.8	702.9	709.4	708.4	712.7	723.5	737.6	745.2
47.5°	652.0	653.1	654.2	660.7	660.7	671.5	668.3	674.8	688.9	705.1	713.8
50°	609.8	612.0	613.0	618.5	620.6	630.4	628.2	639.0	654.2	671.5	683.4
52.5°	567.6	569.7	571.9	576.2	578.4	590.3	588.1	602.2	620.6	639.0	652.0
55°	523.1	527.5	528.6	534.0	537.2	549.1	549.1	565.4	584.9	605.5	621.7
57.5°	479.8	484.2	485.2	491.7	496.1	510.1	512.3	530.7	552.4	573.0	592.5
60°	435.4	440.8	441.9	448.4	456.0	471.2	474.4	495.0	518.8	540.5	563.2
62.5°	391.0	396.4	398.6	405.1	417.0	432.2	437.6	461.4	486.3	510.1	535.1
65°	346.6	352.0	355.3	363.9	378.0	394.3	401.8	426.7	454.9	479.8	505.8
67.5°	302.2	308.7	313.0	323.9	342.3	359.6	367.2	395.3	424.6	451.7	478.7
70°	258.9	265.4	270.8	284.9	306.5	323.9	333.6	363.9	394.3	423.5	453.8
72.5°	216.6	223.1	230.7	248.0	271.9	291.4	302.2	333.6	367.2	396.4	427.8
75°	173.3	180.9	189.5	213.4	240.5	259.9	271.9	305.4	340.1	369.3	402.9
77.5°	134.3	141.9	154.9	178.7	209.0	230.7	243.7	279.4	315.2	344.4	379.1
80°	98.6	106.1	123.5	149.5	180.9	201.5	217.7	254.5	291.4	321.7	356.3
82.5°	67.2	74.7	95.3	123.5	157.1	177.6	192.8	231.8	268.6	300.0	334.7
85°	39.0	49.8	71.5	101.8	136.5	157.1	172.2	212.3	248.0	279.4	315.2
87.5°	17.3	30.3	54.2	84.5	119.1	138.6	154.9	191.7	229.6	261.0	296.8
90°	1.1	17.3	42.2	71.5	105.1	123.5	138.6	175.5	211.2	243.7	278.4
92.5°	2.2	11.9	34.7	61.7	93.1	111.6	126.7	161.4	195.0	228.5	262.1
95°	5.4	11.9	30.3	55.2	84.5	101.8	115.9	149.5	180.9	213.4	245.9
97.5°	8.7	13.0	29.2	52.0	78.0	94.2	107.2	138.6	170.0	199.3	231.8
100°	11.9	16.2	29.2	49.8	73.7	88.8	100.7	130.0	159.2	186.3	218.8
102.5°	15.2	19.5	31.4	49.8	71.5	84.5	96.4	123.5	150.6	175.5	205.8
105°	19.5	22.7	33.6	49.8	69.3	82.3	92.1	117.0	143.0	166.8	193.9
107.5°	23.8	26.0	35.7	50.9	69.3	80.2	89.9	112.6	136.5	158.1	184.1
110°	29.2	30.3	39.0	53.1	69.3	79.1	87.7	109.4	131.1	151.6	175.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	33.6	33.6	42.2	55.2	69.3	79.1	86.6	106.1	126.7	145.1	167.9
115°	39.0	39.0	45.5	57.4	70.4	79.1	86.6	105.1	123.5	139.7	161.4
117.5°	43.3	43.3	49.8	59.6	72.6	80.2	86.6	102.9	120.2	135.4	154.9
120°	47.7	47.7	52.0	61.7	73.7	81.2	86.6	101.8	117.0	132.1	149.5
122.5°	52.0	52.0	55.2	65.0	74.7	81.2	86.6	100.7	114.8	127.8	144.1
125°	56.3	56.3	58.5	67.2	76.9	82.3	87.7	100.7	113.7	124.6	140.8
127.5°	60.7	59.6	62.8	70.4	78.0	83.4	88.8	100.7	111.6	122.4	136.5
130°	63.9	62.8	67.2	72.6	80.2	84.5	88.8	99.6	110.5	120.2	132.1
132.5°	68.2	66.1	71.5	73.7	82.3	86.6	89.9	99.6	109.4	118.1	130.0
135°	71.5	69.3	74.7	76.9	83.4	87.7	91.0	99.6	108.3	117.0	126.7
137.5°	73.7	72.6	78.0	80.2	84.5	88.8	92.1	99.6	107.2	114.8	124.6
140°	74.7	73.7	78.0	82.3	84.5	88.8	91.0	98.6	106.1	112.6	121.3
142.5°	75.8	75.8	79.1	83.4	84.5	87.7	91.0	97.5	104.0	109.4	119.1
145°	75.8	75.8	79.1	84.5	85.6	86.6	88.8	95.3	100.7	106.1	114.8
147.5°	75.8	75.8	80.2	84.5	86.6	87.7	86.6	93.1	98.6	102.9	110.5
150°	75.8	75.8	80.2	84.5	87.7	88.8	87.7	91.0	95.3	99.6	106.1
152.5°	76.9	76.9	80.2	84.5	87.7	88.8	88.8	88.8	92.1	96.4	102.9
155°	76.9	78.0	80.2	86.6	88.8	89.9	89.9	89.9	88.8	93.1	98.6
157.5°	80.2	81.2	82.3	87.7	89.9	91.0	91.0	91.0	89.9	88.8	94.2
160°	83.4	84.5	85.6	89.9	92.1	93.1	93.1	93.1	91.0	89.9	89.9
162.5°	86.6	88.8	88.8	91.0	93.1	94.2	94.2	95.3	93.1	92.1	91.0
165°	91.0	92.1	92.1	93.1	95.3	96.4	95.3	96.4	95.3	94.2	93.1
167.5°	94.2	95.3	95.3	96.4	96.4	97.5	97.5	97.5	96.4	95.3	95.3
170°	97.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	97.5	95.3	95.3
172.5°	99.6	100.7	100.7	99.6	99.6	99.6	99.6	98.6	96.4	95.3	95.3
175°	100.7	101.8	101.8	100.7	99.6	99.6	99.6	98.6	96.4	95.3	95.3
177.5°	101.8	102.9	101.8	101.8	99.6	99.6	99.6	99.6	97.5	96.4	95.3
180°	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1138.4	1138.4	1138.4	1138.4	1138.4	1138.4	1138.4	1138.4	1138.4	1138.4
2.5°	1137.3	1124.3	1132.9	1134.0	1138.4	1134.0	1137.3	1134.0	1142.7	1139.4
5°	1132.9	1121.0	1128.6	1129.7	1135.1	1129.7	1135.1	1132.9	1143.8	1140.5
7.5°	1125.4	1115.6	1122.1	1123.2	1129.7	1124.3	1129.7	1127.5	1140.5	1136.2
10°	1114.5	1106.9	1113.4	1114.5	1121.0	1115.6	1119.9	1117.8	1131.9	1125.4
12.5°	1102.6	1096.1	1101.5	1102.6	1110.2	1104.8	1110.2	1108.0	1122.1	1115.6
15°	1085.3	1082.0	1087.4	1089.6	1097.2	1092.9	1098.3	1096.1	1111.3	1102.6
17.5°	1068.0	1065.8	1071.2	1073.4	1082.0	1076.6	1082.0	1079.9	1095.0	1086.4
20°	1046.3	1045.2	1050.6	1053.9	1061.5	1056.0	1062.5	1060.4	1076.6	1068.0
22.5°	1023.5	1023.5	1027.9	1031.1	1038.7	1034.4	1040.9	1039.8	1056.0	1047.4
25°	998.6	999.7	1004.0	1008.4	1017.0	1013.8	1019.2	1019.2	1034.4	1023.5
27.5°	970.5	975.9	979.1	984.6	992.1	988.9	994.3	995.4	1010.5	999.7
30°	941.2	948.8	952.1	958.6	965.1	965.1	970.5	972.6	987.8	977.0
32.5°	910.9	919.6	923.9	932.6	941.2	941.2	948.8	952.1	967.2	957.5
35°	880.6	892.5	897.9	908.7	917.4	918.5	926.1	930.4	945.6	935.8
37.5°	851.3	866.5	871.9	884.9	892.5	894.7	903.3	908.7	922.8	914.1
40°	821.0	839.4	845.9	860.0	866.5	870.8	879.5	886.0	899.0	891.4
42.5°	791.8	812.3	818.8	834.0	841.6	845.9	854.6	863.2	876.2	868.7
45°	762.5	785.3	792.8	809.1	815.6	822.1	831.8	839.4	851.3	844.8
47.5°	734.4	758.2	765.8	783.1	790.7	798.3	806.9	817.8	828.6	822.1
50°	705.1	730.0	739.8	758.2	764.7	773.3	784.2	793.9	804.8	799.3
52.5°	676.9	702.9	712.7	732.2	739.8	748.4	759.3	770.1	779.8	775.5
55°	646.6	674.8	685.6	706.2	713.8	722.4	734.4	746.3	754.9	751.7
57.5°	618.5	647.7	658.5	681.3	687.8	698.6	710.5	723.5	731.1	727.9
60°	590.3	619.5	632.5	655.3	662.9	673.7	685.6	699.7	706.2	704.0
62.5°	562.1	592.5	606.5	630.4	636.9	648.8	662.9	674.8	681.3	680.2
65°	536.1	565.4	581.6	605.5	612.0	625.0	638.0	651.0	657.5	657.5
67.5°	509.1	540.5	556.7	581.6	587.0	601.1	615.2	628.2	633.6	633.6
70°	484.2	514.5	532.9	557.8	563.2	576.2	591.4	605.5	609.8	610.9
72.5°	459.2	489.6	509.1	535.1	540.5	553.5	567.6	582.7	586.0	587.0
75°	435.4	465.7	485.2	511.2	516.6	529.6	544.8	558.9	563.2	564.3
77.5°	411.6	441.9	463.6	488.5	493.9	506.9	522.1	536.1	539.4	541.6
80°	389.9	419.2	439.7	466.8	472.2	485.2	499.3	513.4	515.6	518.8
82.5°	368.3	397.5	419.2	445.2	450.6	463.6	477.7	491.7	493.9	498.2
85°	347.7	376.9	398.6	423.5	430.0	441.9	457.1	470.1	472.2	475.5
87.5°	329.3	356.3	379.1	402.9	409.4	421.3	436.5	449.5	450.6	454.9
90°	309.8	336.8	359.6	383.4	389.9	400.8	415.9	428.9	431.1	434.3
92.5°	293.5	318.4	342.3	365.0	370.4	382.3	396.4	409.4	411.6	414.8
95°	276.2	301.1	324.9	346.6	352.0	363.9	376.9	389.9	392.1	395.3
97.5°	261.0	284.9	307.6	329.3	334.7	345.5	359.6	371.5	373.7	378.0
100°	247.0	269.7	293.5	313.0	318.4	329.3	342.3	354.2	356.3	360.7
102.5°	234.0	255.6	278.4	296.8	303.3	313.0	326.0	336.8	339.0	342.3
105°	222.0	242.6	264.3	281.6	288.1	297.9	309.8	320.6	322.8	326.0
107.5°	210.1	229.6	250.2	267.5	272.9	281.6	293.5	304.4	306.5	310.9
110°	199.3	218.8	238.3	254.5	261.0	267.5	279.4	289.2	291.4	294.6





TEST NUMBER: P893674  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	189.5	206.9	226.4	241.5	247.0	254.5	264.3	274.0	276.2	280.5
115°	180.9	197.1	216.6	230.7	235.0	241.5	252.4	261.0	263.2	266.4
117.5°	173.3	187.4	204.7	218.8	224.2	229.6	239.4	247.0	250.2	252.4
120°	166.8	179.8	195.0	208.0	214.5	218.8	227.5	235.0	238.3	240.5
122.5°	160.3	172.2	186.3	198.2	203.6	206.9	216.6	223.1	226.4	229.6
125°	154.9	165.7	178.7	188.5	193.9	197.1	205.8	212.3	215.5	217.7
127.5°	149.5	159.2	172.2	179.8	185.2	187.4	195.0	201.5	204.7	205.8
130°	144.1	153.8	164.6	172.2	176.5	179.8	186.3	190.6	193.9	195.0
132.5°	139.7	148.4	158.1	165.7	170.0	171.1	177.6	182.0	185.2	186.3
135°	136.5	143.0	152.7	159.2	162.5	164.6	170.0	173.3	176.5	177.6
137.5°	132.1	138.6	147.3	151.6	156.0	157.1	162.5	165.7	169.0	170.0
140°	128.9	134.3	141.9	146.2	150.6	150.6	154.9	158.1	161.4	161.4
142.5°	125.6	131.1	137.6	141.9	145.1	145.1	149.5	151.6	154.9	154.9
145°	121.3	126.7	133.2	136.5	139.7	139.7	143.0	145.1	148.4	148.4
147.5°	117.0	122.4	128.9	131.1	134.3	134.3	137.6	139.7	141.9	141.9
150°	111.6	115.9	123.5	126.7	130.0	130.0	132.1	134.3	136.5	136.5
152.5°	107.2	110.5	117.0	121.3	124.6	124.6	126.7	128.9	131.1	131.1
155°	101.8	105.1	110.5	115.9	119.1	120.2	122.4	123.5	125.6	125.6
157.5°	97.5	100.7	105.1	109.4	112.6	114.8	118.1	119.1	120.2	120.2
160°	92.1	94.2	98.6	102.9	106.1	108.3	113.7	114.8	115.9	115.9
162.5°	89.9	89.9	92.1	95.3	98.6	99.6	105.1	109.4	111.6	110.5
165°	91.0	89.9	89.9	91.0	93.1	94.2	97.5	104.0	106.1	105.1
167.5°	93.1	91.0	89.9	89.9	92.1	92.1	95.3	100.7	107.2	105.1
170°	93.1	89.9	87.7	87.7	88.8	88.8	91.0	94.2	100.7	101.8
172.5°	92.1	89.9	86.6	82.3	83.4	82.3	81.2	83.4	84.5	95.3
175°	93.1	89.9	86.6	81.2	79.1	75.8	70.4	66.1	65.0	53.1
177.5°	92.1	88.8	84.5	80.2	78.0	73.7	67.2	59.6	55.2	48.7
180°	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7



TEST NUMBER: P893674  
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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	14.20	15.51	14.84	16.17	16.94	17.74	19.05	18.38	19.72	20.49
	3H	15.55	16.75	16.20	17.42	18.22	20.66	21.86	21.32	22.53	23.34
	4H	15.95	17.09	16.62	17.78	18.59	22.14	23.28	22.81	23.96	24.78
	6H	16.17	17.23	16.85	17.93	18.76	23.69	24.76	24.38	25.45	26.28
	8H	16.20	17.22	16.90	17.94	18.77	24.50	25.52	25.20	26.24	27.07
	12H	16.21	17.18	16.91	17.89	18.76	25.38	26.36	26.09	27.07	27.93
4H	2H	15.34	16.48	16.02	17.17	17.98	18.06	19.20	18.74	19.89	20.70
	3H	16.98	17.96	17.67	18.68	19.52	21.21	22.19	21.90	22.91	23.75
	4H	17.55	18.45	18.26	19.18	20.04	22.86	23.76	23.57	24.49	25.35
	6H	17.89	18.69	18.61	19.44	20.31	24.63	25.43	25.36	26.18	27.05
	8H	17.97	18.72	18.69	19.47	20.35	25.57	26.32	26.29	27.07	27.95
	12H	17.99	18.68	18.74	19.45	20.34	26.59	27.28	27.34	28.05	28.94
8H	4H	18.64	19.39	19.36	20.14	21.02	23.04	23.79	23.76	24.54	25.42
	6H	19.25	19.89	20.00	20.67	21.56	24.99	25.63	25.74	26.42	27.30
	8H	19.44	20.02	20.21	20.81	21.71	26.07	26.65	26.84	27.44	28.34
	12H	19.56	20.07	20.33	20.85	21.81	27.29	27.81	28.06	28.59	29.54
12H	4H	18.99	19.68	19.74	20.45	21.34	23.03	23.72	23.78	24.49	25.38
	6H	19.77	20.35	20.53	21.14	22.03	25.02	25.60	25.78	26.39	27.29
	8H	20.10	20.62	20.87	21.39	22.35	26.17	26.68	26.94	27.46	28.42