

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: P895045

Luminaire Tested: 8TMB-4SL-RNDU-UNV-L830

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895045
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: 8TMB-4SL-RNDU-UNV-L830
Description: 4000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5
Light Source: -
Ballast/Driver: -

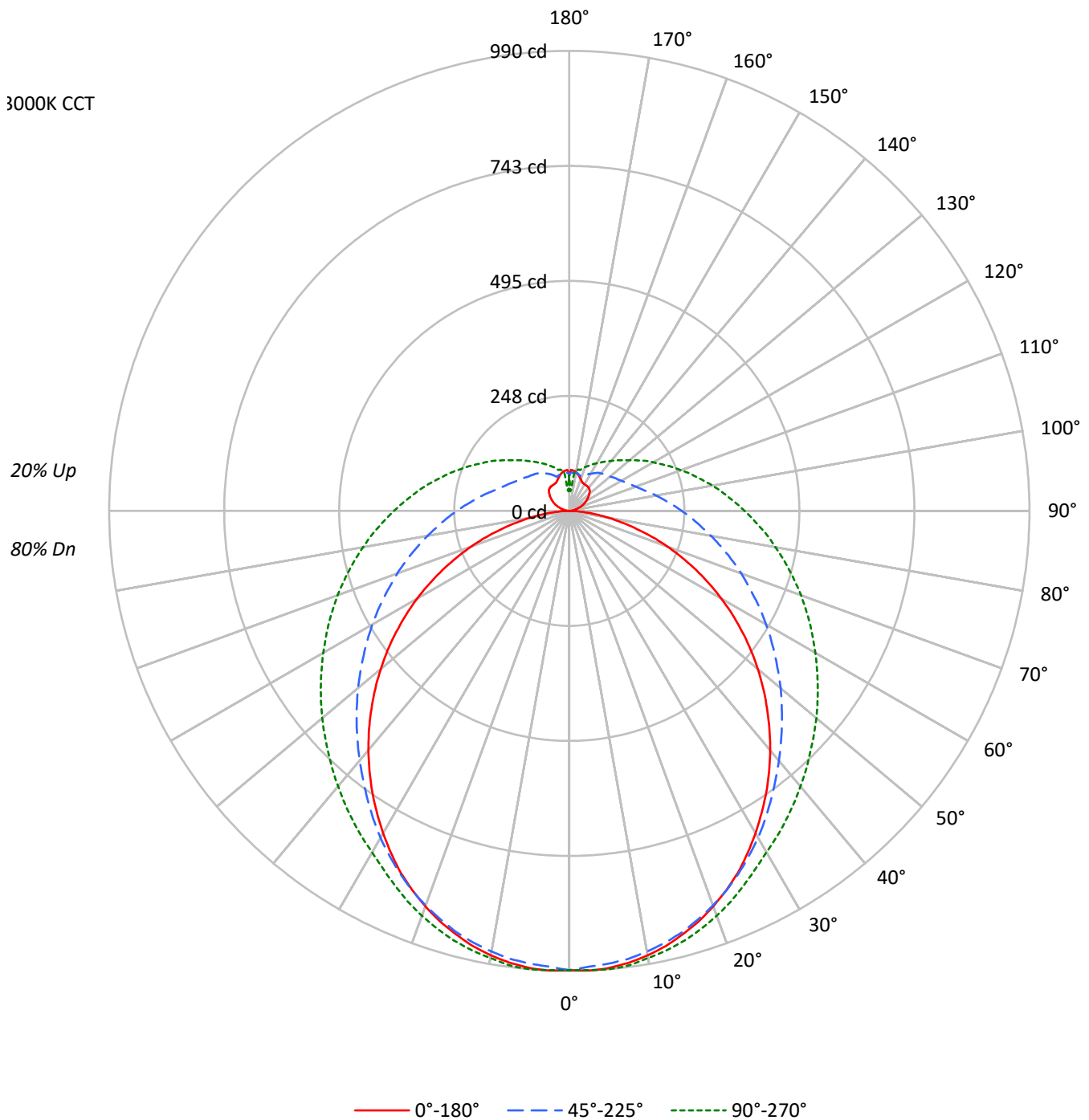
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4157.0 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 4.5
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				
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°	3507	3507	3507
5°	3509	3364	3365
10°	3484	3237	3210
15°	3441	3109	3066
20°	3387	2973	2919
25°	3321	2836	2771
30°	3234	2697	2640
35°	3144	2553	2543
40°	3048	2424	2456
45°	2943	2309	2378
50°	2834	2208	2317
55°	2709	2114	2265
60°	2566	2038	2225
65°	2392	1971	2203
70°	2175	1932	2196
75°	1880	1907	2206
80°	1523	1915	2241
85°	1063	1975	2314

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2943 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	2.2
10°-20°	266.6	6.4
20°-30°	400.3	9.6
30°-40°	481.4	11.6
40°-50°	510.0	12.3
50°-60°	491.2	11.8
60°-70°	434.7	10.5
70°-80°	356.5	8.6
80°-90°	276.7	6.7
90°-100°	214.7	5.2
100°-110°	170.2	4.1
110°-120°	135.5	3.3
120°-130°	107.7	2.6
130°-140°	84.1	2.0
140°-150°	61.9	1.5
150°-160°	40.9	1.0
160°-170°	23.6	0.6
170°-180°	7.6	0.2
0°-30°	760.5	18.3
0°-40°	1241.8	29.9
0°-60°	2243.0	54.0
0°-90°	3310.9	79.6
90°-120°	520.4	12.5
90°-150°	774.0	18.6
90°-180°	846.0	20.4
0°-180°	4157.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	988	988	988	988	988	
5°	987	988	978	986	990	94
15°	943	944	938	953	957	266
25°	859	861	861	883	889	395
35°	739	748	757	796	812	462
45°	602	616	647	708	734	464
55°	454	477	540	620	653	406
65°	301	342	439	531	571	298
75°	150	226	350	449	490	161
85°	34	136	274	373	413	39
90°	1	107	242	338	377	3
95°	5	88	214	306	343	5
105°	17	72	168	250	283	18
115°	34	69	140	204	231	33
125°	49	72	122	168	189	44
135°	62	76	110	141	154	47
145°	66	75	100	121	129	41
155°	67	78	86	103	109	31
165°	79	84	81	81	91	22
175°	88	86	83	69	46	8
180°	76	76	76	76	76	



TEST NUMBER: P895045
 CATALOG NUMBER: 8TMB-4SL-RNDU-UNV-L830

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3
2.5°	990.2	989.3	991.2	993.0	998.7	991.2	994.9	984.6	985.5	986.5	981.8
5°	987.4	984.6	987.4	989.3	994.0	988.3	992.1	980.8	981.8	983.6	978.0
7.5°	980.8	978.0	979.9	981.8	986.5	980.8	985.5	974.2	976.1	977.0	972.3
10°	971.4	967.6	969.5	972.3	976.1	971.4	975.2	964.8	965.8	967.6	962.9
12.5°	959.2	955.4	957.3	959.2	963.9	959.2	962.9	952.6	954.5	956.4	951.7
15°	943.2	939.4	941.3	943.2	947.0	944.1	947.9	937.6	939.4	943.2	938.5
17.5°	926.3	920.6	922.5	925.3	929.1	927.2	930.0	921.6	922.5	926.3	921.6
20°	905.6	899.9	901.8	904.6	908.4	907.5	909.3	901.8	903.7	908.4	903.7
22.5°	883.0	877.4	879.2	883.0	885.8	885.8	886.8	881.1	883.0	887.7	884.0
25°	858.6	852.9	854.8	858.6	861.4	861.4	863.3	857.6	860.4	865.1	861.4
27.5°	830.4	827.5	827.5	831.3	833.2	835.1	836.0	831.3	835.1	839.8	836.9
30°	801.2	797.4	799.3	804.0	804.0	807.8	807.8	804.0	808.7	814.4	812.5
32.5°	770.2	767.3	768.3	773.9	773.9	778.6	777.7	775.8	780.5	787.1	785.2
35°	739.1	736.3	737.3	742.9	742.9	748.5	746.7	746.7	751.4	758.9	757.0
37.5°	706.2	704.3	705.3	710.9	710.9	716.6	714.7	715.6	721.3	729.7	728.8
40°	672.4	670.5	672.4	677.1	679.0	683.7	681.8	683.7	691.2	698.7	701.5
42.5°	637.6	636.6	638.5	643.2	645.1	649.8	648.9	651.7	659.2	670.5	674.2
45°	601.8	601.8	603.7	608.4	610.3	615.9	615.0	618.8	628.2	640.4	647.0
47.5°	566.1	567.0	568.0	573.6	573.6	583.0	580.2	585.9	598.1	612.2	619.7
50°	529.4	531.3	532.3	537.0	538.8	547.3	545.4	554.8	568.0	583.0	593.4
52.5°	492.8	494.6	496.5	500.3	502.2	512.5	510.6	522.8	538.8	554.8	566.1
55°	454.2	458.0	458.9	463.6	466.4	476.8	476.8	490.9	507.8	525.7	539.8
57.5°	416.6	420.3	421.3	426.9	430.7	442.9	444.8	460.8	479.6	497.5	514.4
60°	378.0	382.7	383.7	389.3	395.9	409.1	411.9	429.8	450.4	469.2	489.0
62.5°	339.5	344.2	346.1	351.7	362.0	375.2	379.9	400.6	422.2	442.9	464.5
65°	300.9	305.6	308.4	316.0	328.2	342.3	348.9	370.5	395.0	416.6	439.2
67.5°	262.4	268.0	271.8	281.2	297.2	312.2	318.8	343.2	368.6	392.1	415.6
70°	224.7	230.4	235.1	247.3	266.1	281.2	289.6	316.0	342.3	367.7	394.0
72.5°	188.1	193.7	200.3	215.3	236.0	253.0	262.4	289.6	318.8	344.2	371.4
75°	150.5	157.0	164.6	185.3	208.8	225.7	236.0	265.2	295.3	320.7	349.8
77.5°	116.6	123.2	134.5	155.2	181.5	200.3	211.6	242.6	273.6	299.0	329.1
80°	85.6	92.2	107.2	129.8	157.0	174.9	189.0	221.0	253.0	279.3	309.4
82.5°	58.3	64.9	82.8	107.2	136.4	154.2	167.4	201.2	233.2	260.5	290.6
85°	33.9	43.3	62.1	88.4	118.5	136.4	149.5	184.3	215.3	242.6	273.6
87.5°	15.0	26.3	47.0	73.3	103.4	120.4	134.5	166.4	199.4	226.6	257.7
90°	0.9	15.0	36.7	62.1	91.2	107.2	120.4	152.3	183.4	211.6	241.7
92.5°	1.9	10.3	30.1	53.6	80.9	96.9	110.0	140.1	169.3	198.4	227.6
95°	4.7	10.3	26.3	48.0	73.3	88.4	100.6	129.8	157.0	185.3	213.5
97.5°	7.5	11.3	25.4	45.1	67.7	81.8	93.1	120.4	147.6	173.0	201.2
100°	10.3	14.1	25.4	43.3	63.9	77.1	87.5	112.8	138.2	161.7	190.0
102.5°	13.2	16.9	27.3	43.3	62.1	73.3	83.7	107.2	130.7	152.3	178.7
105°	16.9	19.7	29.2	43.3	60.2	71.5	79.9	101.6	124.1	144.8	168.3
107.5°	20.7	22.6	31.0	44.2	60.2	69.6	78.1	97.8	118.5	137.3	159.9
110°	25.4	26.3	33.9	46.1	60.2	68.6	76.2	95.0	113.8	131.7	152.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	29.2	29.2	36.7	48.0	60.2	68.6	75.2	92.2	110.0	126.0	145.8
115°	33.9	33.9	39.5	49.8	61.1	68.6	75.2	91.2	107.2	121.3	140.1
117.5°	37.6	37.6	43.3	51.7	63.0	69.6	75.2	89.3	104.4	117.5	134.5
120°	41.4	41.4	45.1	53.6	63.9	70.5	75.2	88.4	101.6	114.7	129.8
122.5°	45.1	45.1	48.0	56.4	64.9	70.5	75.2	87.5	99.7	111.0	125.1
125°	48.9	48.9	50.8	58.3	66.8	71.5	76.2	87.5	98.7	108.1	122.2
127.5°	52.7	51.7	54.5	61.1	67.7	72.4	77.1	87.5	96.9	106.3	118.5
130°	55.5	54.5	58.3	63.0	69.6	73.3	77.1	86.5	95.9	104.4	114.7
132.5°	59.2	57.4	62.1	63.9	71.5	75.2	78.1	86.5	95.0	102.5	112.8
135°	62.1	60.2	64.9	66.8	72.4	76.2	79.0	86.5	94.0	101.6	110.0
137.5°	63.9	63.0	67.7	69.6	73.3	77.1	79.9	86.5	93.1	99.7	108.1
140°	64.9	63.9	67.7	71.5	73.3	77.1	79.0	85.6	92.2	97.8	105.3
142.5°	65.8	65.8	68.6	72.4	73.3	76.2	79.0	84.6	90.3	95.0	103.4
145°	65.8	65.8	68.6	73.3	74.3	75.2	77.1	82.8	87.5	92.2	99.7
147.5°	65.8	65.8	69.6	73.3	75.2	76.2	75.2	80.9	85.6	89.3	95.9
150°	65.8	65.8	69.6	73.3	76.2	77.1	76.2	79.0	82.8	86.5	92.2
152.5°	66.8	66.8	69.6	73.3	76.2	77.1	77.1	77.1	79.9	83.7	89.3
155°	66.8	67.7	69.6	75.2	77.1	78.1	78.1	78.1	77.1	80.9	85.6
157.5°	69.6	70.5	71.5	76.2	78.1	79.0	79.0	79.0	78.1	77.1	81.8
160°	72.4	73.3	74.3	78.1	79.9	80.9	80.9	80.9	79.0	78.1	78.1
162.5°	75.2	77.1	77.1	79.0	80.9	81.8	81.8	82.8	80.9	79.9	79.0
165°	79.0	79.9	79.9	80.9	82.8	83.7	82.8	83.7	82.8	81.8	80.9
167.5°	81.8	82.8	82.8	83.7	83.7	84.6	84.6	84.6	83.7	82.8	82.8
170°	84.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	84.6	82.8	82.8
172.5°	86.5	87.5	87.5	86.5	86.5	86.5	86.5	85.6	83.7	82.8	82.8
175°	87.5	88.4	88.4	87.5	86.5	86.5	86.5	85.6	83.7	82.8	82.8
177.5°	88.4	89.3	88.4	88.4	86.5	86.5	86.5	86.5	84.6	83.7	82.8
180°	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3	988.3
2.5°	987.4	976.1	983.6	984.6	988.3	984.6	987.4	984.6	992.1	989.3
5°	983.6	973.3	979.9	980.8	985.5	980.8	985.5	983.6	993.0	990.2
7.5°	977.0	968.6	974.2	975.2	980.8	976.1	980.8	978.9	990.2	986.5
10°	967.6	961.1	966.7	967.6	973.3	968.6	972.3	970.5	982.7	977.0
12.5°	957.3	951.7	956.4	957.3	963.9	959.2	963.9	962.0	974.2	968.6
15°	942.3	939.4	944.1	946.0	952.6	948.8	953.5	951.7	964.8	957.3
17.5°	927.2	925.3	930.0	931.9	939.4	934.7	939.4	937.6	950.7	943.2
20°	908.4	907.5	912.2	915.0	921.6	916.9	922.5	920.6	934.7	927.2
22.5°	888.7	888.7	892.4	895.2	901.8	898.1	903.7	902.8	916.9	909.3
25°	867.0	868.0	871.7	875.5	883.0	880.2	884.9	884.9	898.1	888.7
27.5°	842.6	847.3	850.1	854.8	861.4	858.6	863.3	864.2	877.4	868.0
30°	817.2	823.8	826.6	832.2	837.9	837.9	842.6	844.5	857.6	848.2
32.5°	790.9	798.4	802.1	809.7	817.2	817.2	823.8	826.6	839.8	831.3
35°	764.5	774.9	779.6	789.0	796.5	797.4	804.0	807.8	820.9	812.5
37.5°	739.1	752.3	757.0	768.3	774.9	776.7	784.3	789.0	801.2	793.7
40°	712.8	728.8	734.4	746.7	752.3	756.1	763.6	769.2	780.5	773.9
42.5°	687.4	705.3	710.9	724.1	730.7	734.4	742.0	749.5	760.8	754.2
45°	662.0	681.8	688.4	702.5	708.1	713.7	722.2	728.8	739.1	733.5
47.5°	637.6	658.3	664.8	679.9	686.5	693.1	700.6	710.0	719.4	713.7
50°	612.2	633.8	642.3	658.3	663.9	671.4	680.8	689.3	698.7	694.0
52.5°	587.7	610.3	618.8	635.7	642.3	649.8	659.2	668.6	677.1	673.3
55°	561.4	585.9	595.3	613.1	619.7	627.2	637.6	647.9	655.4	652.6
57.5°	537.0	562.3	571.7	591.5	597.1	606.5	616.9	628.2	634.8	631.9
60°	512.5	537.9	549.2	568.9	575.5	584.9	595.3	607.5	613.1	611.2
62.5°	488.1	514.4	526.6	547.3	552.9	563.3	575.5	585.9	591.5	590.6
65°	465.5	490.9	505.0	525.7	531.3	542.6	553.9	565.2	570.8	570.8
67.5°	442.0	469.2	483.4	505.0	509.7	521.9	534.1	545.4	550.1	550.1
70°	420.3	446.7	462.7	484.3	489.0	500.3	513.4	525.7	529.4	530.4
72.5°	398.7	425.0	442.0	464.5	469.2	480.5	492.8	505.9	508.7	509.7
75°	378.0	404.4	421.3	443.9	448.6	459.8	473.0	485.2	489.0	489.9
77.5°	357.3	383.7	402.5	424.1	428.8	440.1	453.3	465.5	468.3	470.2
80°	338.5	363.9	381.8	405.3	410.0	421.3	433.5	445.7	447.6	450.4
82.5°	319.7	345.1	363.9	386.5	391.2	402.5	414.7	426.9	428.8	432.6
85°	301.9	327.3	346.1	367.7	373.3	383.7	396.8	408.1	410.0	412.8
87.5°	285.9	309.4	329.1	349.8	355.5	365.8	379.0	390.3	391.2	395.0
90°	268.9	292.5	312.2	332.9	338.5	347.9	361.1	372.4	374.3	377.1
92.5°	254.8	276.5	297.2	316.9	321.6	332.0	344.2	355.5	357.3	360.2
95°	239.8	261.4	282.1	300.9	305.6	316.0	327.3	338.5	340.4	343.2
97.5°	226.6	247.3	267.1	285.9	290.6	300.0	312.2	322.5	324.4	328.2
100°	214.4	234.2	254.8	271.8	276.5	285.9	297.2	307.5	309.4	313.1
102.5°	203.1	221.9	241.7	257.7	263.3	271.8	283.1	292.5	294.3	297.2
105°	192.8	210.6	229.5	244.5	250.1	258.6	268.9	278.4	280.2	283.1
107.5°	182.4	199.4	217.2	232.3	237.0	244.5	254.8	264.2	266.1	269.9
110°	173.0	190.0	206.9	221.0	226.6	232.3	242.6	251.1	253.0	255.8



TEST NUMBER: P895045
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	164.6	179.6	196.5	209.7	214.4	221.0	229.5	237.9	239.8	243.6
115°	157.0	171.1	188.1	200.3	204.1	209.7	219.1	226.6	228.5	231.3
117.5°	150.5	162.7	177.7	190.0	194.7	199.4	207.8	214.4	217.2	219.1
120°	144.8	156.1	169.3	180.6	186.2	190.0	197.5	204.1	206.9	208.8
122.5°	139.2	149.5	161.7	172.1	176.8	179.6	188.1	193.7	196.5	199.4
125°	134.5	143.9	155.2	163.6	168.3	171.1	178.7	184.3	187.1	189.0
127.5°	129.8	138.2	149.5	156.1	160.8	162.7	169.3	174.9	177.7	178.7
130°	125.1	133.5	142.9	149.5	153.3	156.1	161.7	165.5	168.3	169.3
132.5°	121.3	128.8	137.3	143.9	147.6	148.6	154.2	158.0	160.8	161.7
135°	118.5	124.1	132.6	138.2	141.1	142.9	147.6	150.5	153.3	154.2
137.5°	114.7	120.4	127.9	131.7	135.4	136.4	141.1	143.9	146.7	147.6
140°	111.9	116.6	123.2	127.0	130.7	130.7	134.5	137.3	140.1	140.1
142.5°	109.1	113.8	119.4	123.2	126.0	126.0	129.8	131.7	134.5	134.5
145°	105.3	110.0	115.7	118.5	121.3	121.3	124.1	126.0	128.8	128.8
147.5°	101.6	106.3	111.9	113.8	116.6	116.6	119.4	121.3	123.2	123.2
150°	96.9	100.6	107.2	110.0	112.8	112.8	114.7	116.6	118.5	118.5
152.5°	93.1	95.9	101.6	105.3	108.1	108.1	110.0	111.9	113.8	113.8
155°	88.4	91.2	95.9	100.6	103.4	104.4	106.3	107.2	109.1	109.1
157.5°	84.6	87.5	91.2	95.0	97.8	99.7	102.5	103.4	104.4	104.4
160°	79.9	81.8	85.6	89.3	92.2	94.0	98.7	99.7	100.6	100.6
162.5°	78.1	78.1	79.9	82.8	85.6	86.5	91.2	95.0	96.9	95.9
165°	79.0	78.1	78.1	79.0	80.9	81.8	84.6	90.3	92.2	91.2
167.5°	80.9	79.0	78.1	78.1	79.9	79.9	82.8	87.5	93.1	91.2
170°	80.9	78.1	76.2	76.2	77.1	77.1	79.0	81.8	87.5	88.4
172.5°	79.9	78.1	75.2	71.5	72.4	71.5	70.5	72.4	73.3	82.8
175°	80.9	78.1	75.2	70.5	68.6	65.8	61.1	57.4	56.4	46.1
177.5°	79.9	77.1	73.3	69.6	67.7	63.9	58.3	51.7	48.0	42.3
180°	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2



TEST NUMBER: P895045
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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	11.31	12.62	11.96	13.29	14.06	14.94	16.25	15.58	16.91	17.68
	3H	12.66	13.86	13.32	14.53	15.34	17.89	19.09	18.55	19.76	20.57
	4H	13.06	14.20	13.74	14.89	15.70	19.40	20.54	20.07	21.23	22.04
	6H	13.28	14.34	13.97	15.04	15.87	21.01	22.07	21.70	22.77	23.60
	8H	13.31	14.33	14.01	15.05	15.88	21.86	22.88	22.56	23.60	24.43
	12H	13.32	14.29	14.02	15.01	15.87	22.81	23.78	23.51	24.49	25.36
4H	2H	12.47	13.61	13.15	14.30	15.11	15.25	16.39	15.93	17.08	17.89
	3H	14.11	15.09	14.80	15.81	16.65	18.44	19.42	19.13	20.14	20.97
	4H	14.68	15.58	15.39	16.31	17.17	20.12	21.02	20.82	21.74	22.60
	6H	15.02	15.82	15.74	16.57	17.44	21.94	22.73	22.66	23.48	24.35
	8H	15.09	15.85	15.82	16.59	17.48	22.91	23.66	23.64	24.41	25.29
	12H	15.12	15.81	15.87	16.58	17.47	24.00	24.68	24.74	25.45	26.34
8H	4H	15.79	16.54	16.51	17.29	18.17	20.29	21.04	21.01	21.79	22.67
	6H	16.40	17.04	17.15	17.82	18.71	22.28	22.92	23.04	23.71	24.60
	8H	16.59	17.17	17.36	17.96	18.86	23.40	23.98	24.17	24.77	25.67
	12H	16.70	17.22	17.47	18.00	18.96	24.68	25.20	25.45	25.98	26.93
12H	4H	16.15	16.84	16.90	17.61	18.50	20.28	20.97	21.03	21.74	22.63
	6H	16.93	17.51	17.70	18.30	19.20	22.31	22.89	23.08	23.68	24.58
	8H	17.26	17.78	18.03	18.56	19.51	23.49	24.01	24.26	24.79	25.75