

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: P895515

Luminaire Tested: 8TMB-SC3-RNDU-UNV-CC83-LOW-4000K

Issue Date: 11/11/2024

**Test Information**

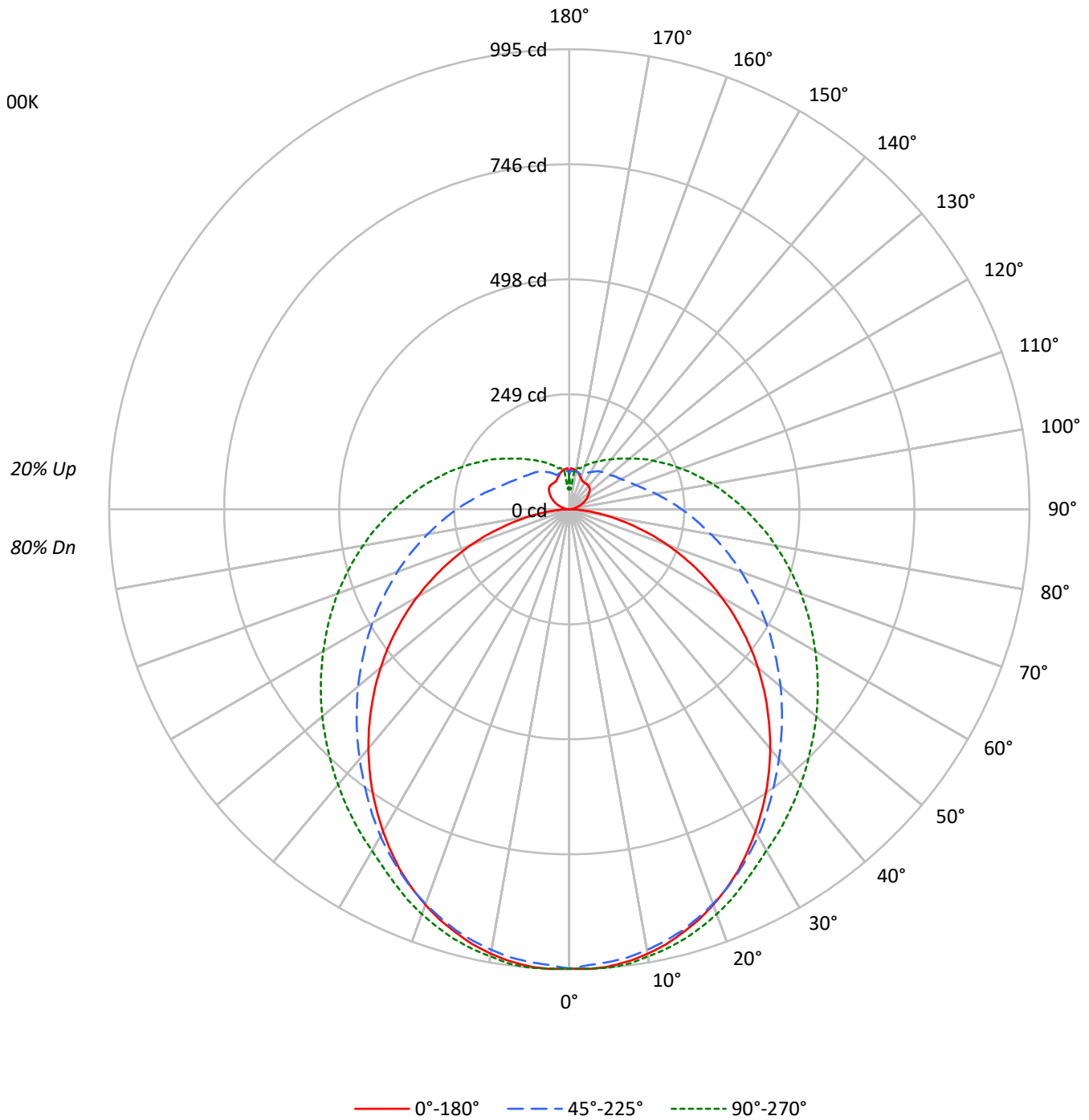
Test Method: LM-79-2019  
Report Number: P895515  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-SC3-RNDU-UNV-CC83-LOW-4000K  
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 40 CCT, LOW lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4178.0 lumens  
Efficiency: N/A  
Efficacy: 124.7 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): 33.5  
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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CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC83-LOW-4000K

### 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°	3524	3524	3524
5°	3527	3381	3382
10°	3501	3254	3226
15°	3458	3125	3082
20°	3404	2988	2934
25°	3338	2850	2785
30°	3250	2710	2653
35°	3160	2566	2556
40°	3063	2436	2468
45°	2958	2321	2390
50°	2849	2219	2329
55°	2722	2124	2276
60°	2579	2048	2237
65°	2404	1981	2214
70°	2187	1942	2207
75°	1889	1917	2217
80°	1531	1924	2252
85°	1066	1985	2326

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2958 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.0	2.2
10°-20°	268.0	6.4
20°-30°	402.3	9.6
30°-40°	483.8	11.6
40°-50°	512.6	12.3
50°-60°	493.6	11.8
60°-70°	436.9	10.5
70°-80°	358.3	8.6
80°-90°	278.1	6.7
90°-100°	215.8	5.2
100°-110°	171.0	4.1
110°-120°	136.2	3.3
120°-130°	108.2	2.6
130°-140°	84.5	2.0
140°-150°	62.2	1.5
150°-160°	41.1	1.0
160°-170°	23.7	0.6
170°-180°	7.6	0.2
0°-30°	764.3	18.3
0°-40°	1248.1	29.9
0°-60°	2254.4	54.0
0°-90°	3327.6	79.6
90°-120°	523.0	12.5
90°-150°	777.9	18.6
90°-180°	850.0	20.3
0°-180°	4178.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	993	993	993	993	993	
5°	992	993	983	990	995	94
15°	948	949	943	957	962	267
25°	863	866	866	888	893	397
35°	743	752	761	800	817	464
45°	605	619	650	712	737	467
55°	456	479	542	623	656	408
65°	302	344	441	534	574	299
75°	151	227	352	451	492	162
85°	34	137	275	375	415	39
90°	1	108	243	340	379	3
95°	5	89	214	307	345	5
105°	17	72	169	251	284	18
115°	34	69	141	205	232	33
125°	49	72	123	169	190	44
135°	62	77	111	142	155	48
145°	66	76	100	122	130	42
155°	67	78	86	104	110	32
165°	79	84	81	81	92	22
175°	88	87	83	69	46	8
180°	77	77	77	77	77	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	993.3	993.3	993.3	993.3	993.3	993.3	993.3	993.3	993.3	993.3	993.3
2.5°	995.2	994.3	996.2	998.1	1003.7	996.2	999.9	989.5	990.5	991.4	986.7
5°	992.4	989.5	992.4	994.3	999.0	993.3	997.1	985.8	986.7	988.6	982.9
7.5°	985.8	982.9	984.8	986.7	991.4	985.8	990.5	979.1	981.0	982.0	977.3
10°	976.3	972.5	974.4	977.3	981.0	976.3	980.1	969.7	970.6	972.5	967.8
12.5°	964.0	960.2	962.1	964.0	968.8	964.0	967.8	957.4	959.3	961.2	956.5
15°	948.0	944.2	946.1	948.0	951.7	948.9	952.7	942.3	944.2	948.0	943.2
17.5°	930.9	925.3	927.2	930.0	933.8	931.9	934.7	926.2	927.2	930.9	926.2
20°	910.2	904.5	906.4	909.2	913.0	912.0	913.9	906.4	908.3	913.0	908.3
22.5°	887.5	881.8	883.7	887.5	890.3	890.3	891.3	885.6	887.5	892.2	888.4
25°	862.9	857.2	859.1	862.9	865.7	865.7	867.6	862.0	864.8	869.5	865.7
27.5°	834.5	831.7	831.7	835.5	837.4	839.3	840.2	835.5	839.3	844.0	841.2
30°	805.2	801.5	803.4	808.1	808.1	811.9	811.9	808.1	812.8	818.5	816.6
32.5°	774.1	771.2	772.2	777.8	777.8	782.6	781.6	779.7	784.5	791.1	789.2
35°	742.9	740.0	741.0	746.6	746.6	752.3	750.4	750.4	755.2	762.7	760.8
37.5°	709.8	707.9	708.8	714.5	714.5	720.2	718.3	719.2	724.9	733.4	732.5
40°	675.8	673.9	675.8	680.5	682.4	687.1	685.2	687.1	694.7	702.2	705.1
42.5°	640.8	639.8	641.7	646.5	648.4	653.1	652.1	655.0	662.5	673.9	677.7
45°	604.9	604.9	606.8	611.5	613.4	619.1	618.1	621.9	631.3	643.6	650.2
47.5°	569.0	569.9	570.9	576.5	576.5	586.0	583.1	588.8	601.1	615.3	622.8
50°	532.1	534.0	534.9	539.7	541.6	550.1	548.2	557.6	570.9	586.0	596.4
52.5°	495.2	497.1	499.0	502.8	504.7	515.1	513.2	525.5	541.6	557.6	569.0
55°	456.5	460.3	461.2	465.9	468.8	479.2	479.2	493.4	510.4	528.3	542.5
57.5°	418.7	422.5	423.4	429.1	432.9	445.2	447.0	463.1	482.0	500.0	517.0
60°	379.9	384.7	385.6	391.3	397.9	411.1	414.0	431.9	452.7	471.6	491.5
62.5°	341.2	345.9	347.8	353.5	363.9	377.1	381.8	402.6	424.4	445.2	466.9
65°	302.4	307.2	310.0	317.6	329.8	344.0	350.6	372.4	397.0	418.7	441.4
67.5°	263.7	269.4	273.1	282.6	298.7	313.8	320.4	345.0	370.5	394.1	417.7
70°	225.9	231.6	236.3	248.6	267.5	282.6	291.1	317.6	344.0	369.5	396.0
72.5°	189.0	194.7	201.3	216.4	237.2	254.2	263.7	291.1	320.4	345.9	373.3
75°	151.2	157.8	165.4	186.2	209.8	226.8	237.2	266.5	296.8	322.3	351.6
77.5°	117.2	123.8	135.2	155.9	182.4	201.3	212.7	243.8	275.0	300.5	330.8
80°	86.0	92.6	107.7	130.4	157.8	175.8	190.0	222.1	254.2	280.7	310.9
82.5°	58.6	65.2	83.2	107.7	137.0	155.0	168.2	202.3	234.4	261.8	292.0
85°	34.0	43.5	62.4	88.8	119.1	137.0	150.3	185.2	216.4	243.8	275.0
87.5°	15.1	26.5	47.3	73.7	104.0	121.0	135.2	167.3	200.4	227.8	259.0
90°	0.9	15.1	36.9	62.4	91.7	107.7	121.0	153.1	184.3	212.7	242.9
92.5°	1.9	10.4	30.2	53.9	81.3	97.3	110.6	140.8	170.1	199.4	228.7
95°	4.7	10.4	26.5	48.2	73.7	88.8	101.1	130.4	157.8	186.2	214.5
97.5°	7.6	11.3	25.5	45.4	68.0	82.2	93.6	121.0	148.4	173.9	202.3
100°	10.4	14.2	25.5	43.5	64.3	77.5	87.9	113.4	138.9	162.6	190.9
102.5°	13.2	17.0	27.4	43.5	62.4	73.7	84.1	107.7	131.4	153.1	179.6
105°	17.0	19.8	29.3	43.5	60.5	71.8	80.3	102.1	124.8	145.5	169.2
107.5°	20.8	22.7	31.2	44.4	60.5	69.9	78.4	98.3	119.1	138.0	160.7
110°	25.5	26.5	34.0	46.3	60.5	69.0	76.6	95.5	114.4	132.3	153.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	29.3	29.3	36.9	48.2	60.5	69.0	75.6	92.6	110.6	126.6	146.5
115°	34.0	34.0	39.7	50.1	61.4	69.0	75.6	91.7	107.7	121.9	140.8
117.5°	37.8	37.8	43.5	52.0	63.3	69.9	75.6	89.8	104.9	118.1	135.2
120°	41.6	41.6	45.4	53.9	64.3	70.9	75.6	88.8	102.1	115.3	130.4
122.5°	45.4	45.4	48.2	56.7	65.2	70.9	75.6	87.9	100.2	111.5	125.7
125°	49.1	49.1	51.0	58.6	67.1	71.8	76.6	87.9	99.2	108.7	122.9
127.5°	52.9	52.0	54.8	61.4	68.0	72.8	77.5	87.9	97.3	106.8	119.1
130°	55.8	54.8	58.6	63.3	69.9	73.7	77.5	87.0	96.4	104.9	115.3
132.5°	59.5	57.7	62.4	64.3	71.8	75.6	78.4	87.0	95.5	103.0	113.4
135°	62.4	60.5	65.2	67.1	72.8	76.6	79.4	87.0	94.5	102.1	110.6
137.5°	64.3	63.3	68.0	69.9	73.7	77.5	80.3	87.0	93.6	100.2	108.7
140°	65.2	64.3	68.0	71.8	73.7	77.5	79.4	86.0	92.6	98.3	105.9
142.5°	66.2	66.2	69.0	72.8	73.7	76.6	79.4	85.1	90.7	95.5	104.0
145°	66.2	66.2	69.0	73.7	74.7	75.6	77.5	83.2	87.9	92.6	100.2
147.5°	66.2	66.2	69.9	73.7	75.6	76.6	75.6	81.3	86.0	89.8	96.4
150°	66.2	66.2	69.9	73.7	76.6	77.5	76.6	79.4	83.2	87.0	92.6
152.5°	67.1	67.1	69.9	73.7	76.6	77.5	77.5	77.5	80.3	84.1	89.8
155°	67.1	68.0	69.9	75.6	77.5	78.4	78.4	78.4	77.5	81.3	86.0
157.5°	69.9	70.9	71.8	76.6	78.4	79.4	79.4	79.4	78.4	77.5	82.2
160°	72.8	73.7	74.7	78.4	80.3	81.3	81.3	81.3	79.4	78.4	78.4
162.5°	75.6	77.5	77.5	79.4	81.3	82.2	82.2	83.2	81.3	80.3	79.4
165°	79.4	80.3	80.3	81.3	83.2	84.1	83.2	84.1	83.2	82.2	81.3
167.5°	82.2	83.2	83.2	84.1	84.1	85.1	85.1	85.1	84.1	83.2	83.2
170°	85.1	86.0	86.0	86.0	86.0	86.0	86.0	86.0	85.1	83.2	83.2
172.5°	87.0	87.9	87.9	87.0	87.0	87.0	87.0	86.0	84.1	83.2	83.2
175°	87.9	88.8	88.8	87.9	87.0	87.0	87.0	86.0	84.1	83.2	83.2
177.5°	88.8	89.8	88.8	88.8	87.0	87.0	87.0	87.0	85.1	84.1	83.2
180°	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	993.3	993.3	993.3	993.3	993.3	993.3	993.3	993.3	993.3	993.3
2.5°	992.4	981.0	988.6	989.5	993.3	989.5	992.4	989.5	997.1	994.3
5°	988.6	978.2	984.8	985.8	990.5	985.8	990.5	988.6	998.1	995.2
7.5°	982.0	973.5	979.1	980.1	985.8	981.0	985.8	983.9	995.2	991.4
10°	972.5	965.9	971.6	972.5	978.2	973.5	977.3	975.4	987.7	982.0
12.5°	962.1	956.5	961.2	962.1	968.8	964.0	968.8	966.9	979.1	973.5
15°	947.0	944.2	948.9	950.8	957.4	953.6	958.4	956.5	969.7	962.1
17.5°	931.9	930.0	934.7	936.6	944.2	939.5	944.2	942.3	955.5	948.0
20°	913.0	912.0	916.8	919.6	926.2	921.5	927.2	925.3	939.5	931.9
22.5°	893.1	893.1	896.9	899.8	906.4	902.6	908.3	907.3	921.5	913.9
25°	871.4	872.4	876.1	879.9	887.5	884.6	889.4	889.4	902.6	893.1
27.5°	846.8	851.6	854.4	859.1	865.7	862.9	867.6	868.6	881.8	872.4
30°	821.3	827.9	830.8	836.4	842.1	842.1	846.8	848.7	862.0	852.5
32.5°	794.8	802.4	806.2	813.8	821.3	821.3	827.9	830.8	844.0	835.5
35°	768.4	778.8	783.5	793.0	800.5	801.5	808.1	811.9	825.1	816.6
37.5°	742.9	756.1	760.8	772.2	778.8	780.7	788.2	793.0	805.2	797.7
40°	716.4	732.5	738.1	750.4	756.1	759.9	767.4	773.1	784.5	777.8
42.5°	690.9	708.8	714.5	727.7	734.4	738.1	745.7	753.3	764.6	758.0
45°	665.4	685.2	691.8	706.0	711.7	717.3	725.9	732.5	742.9	737.2
47.5°	640.8	661.6	668.2	683.3	689.9	696.6	704.1	713.6	723.0	717.3
50°	615.3	637.0	645.5	661.6	667.3	674.8	684.3	692.8	702.2	697.5
52.5°	590.7	613.4	621.9	638.9	645.5	653.1	662.5	672.0	680.5	676.7
55°	564.2	588.8	598.3	616.2	622.8	630.4	640.8	651.2	658.8	655.9
57.5°	539.7	565.2	574.6	594.5	600.2	609.6	620.0	631.3	638.0	635.1
60°	515.1	540.6	552.0	571.8	578.4	587.9	598.3	610.6	616.2	614.3
62.5°	490.5	517.0	529.3	550.1	555.7	566.1	578.4	588.8	594.5	593.5
65°	467.8	493.4	507.5	528.3	534.0	545.3	556.7	568.0	573.7	573.7
67.5°	444.2	471.6	485.8	507.5	512.3	524.5	536.8	548.2	552.9	552.9
70°	422.5	448.9	465.0	486.7	491.5	502.8	516.0	528.3	532.1	533.1
72.5°	400.7	427.2	444.2	466.9	471.6	483.0	495.2	508.5	511.3	512.3
75°	379.9	406.4	423.4	446.1	450.8	462.2	475.4	487.7	491.5	492.4
77.5°	359.1	385.6	404.5	426.3	431.0	442.3	455.6	467.8	470.7	472.6
80°	340.2	365.8	383.7	407.3	412.1	423.4	435.7	448.0	449.9	452.7
82.5°	321.3	346.9	365.8	388.4	393.2	404.5	416.8	429.1	431.0	434.8
85°	303.4	328.9	347.8	369.5	375.2	385.6	398.8	410.2	412.1	414.9
87.5°	287.3	310.9	330.8	351.6	357.3	367.7	380.9	392.2	393.2	397.0
90°	270.3	293.9	313.8	334.6	340.2	349.7	362.9	374.3	376.2	379.0
92.5°	256.1	277.9	298.7	318.5	323.2	333.6	345.9	357.3	359.1	362.0
95°	241.0	262.7	283.5	302.4	307.2	317.6	328.9	340.2	342.1	345.0
97.5°	227.8	248.6	268.4	287.3	292.0	301.5	313.8	324.2	326.1	329.8
100°	215.5	235.3	256.1	273.1	277.9	287.3	298.7	309.1	310.9	314.7
102.5°	204.1	223.0	242.9	259.0	264.6	273.1	284.5	293.9	295.8	298.7
105°	193.8	211.7	230.6	245.7	251.4	259.9	270.3	279.8	281.6	284.5
107.5°	183.4	200.4	218.3	233.4	238.2	245.7	256.1	265.6	267.5	271.3
110°	173.9	190.9	207.9	222.1	227.8	233.4	243.8	252.3	254.2	257.1





TEST NUMBER: P895515

CATALOG NUMBER: 8TMB-SC3-RNDU-UNV-CC83-LOW-4000K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	165.4	180.5	197.5	210.8	215.5	222.1	230.6	239.1	241.0	244.8
115°	157.8	172.0	189.0	201.3	205.1	210.8	220.2	227.8	229.7	232.5
117.5°	151.2	163.5	178.6	190.9	195.6	200.4	208.9	215.5	218.3	220.2
120°	145.5	156.9	170.1	181.5	187.1	190.9	198.5	205.1	207.9	209.8
122.5°	139.9	150.3	162.6	173.0	177.7	180.5	189.0	194.7	197.5	200.4
125°	135.2	144.6	155.9	164.5	169.2	172.0	179.6	185.2	188.1	190.0
127.5°	130.4	138.9	150.3	156.9	161.6	163.5	170.1	175.8	178.6	179.6
130°	125.7	134.2	143.7	150.3	154.1	156.9	162.6	166.3	169.2	170.1
132.5°	121.9	129.5	138.0	144.6	148.4	149.3	155.0	158.8	161.6	162.6
135°	119.1	124.8	133.3	138.9	141.8	143.7	148.4	151.2	154.1	155.0
137.5°	115.3	121.0	128.5	132.3	136.1	137.0	141.8	144.6	147.4	148.4
140°	112.5	117.2	123.8	127.6	131.4	131.4	135.2	138.0	140.8	140.8
142.5°	109.6	114.4	120.0	123.8	126.6	126.6	130.4	132.3	135.2	135.2
145°	105.9	110.6	116.3	119.1	121.9	121.9	124.8	126.6	129.5	129.5
147.5°	102.1	106.8	112.5	114.4	117.2	117.2	120.0	121.9	123.8	123.8
150°	97.3	101.1	107.7	110.6	113.4	113.4	115.3	117.2	119.1	119.1
152.5°	93.6	96.4	102.1	105.9	108.7	108.7	110.6	112.5	114.4	114.4
155°	88.8	91.7	96.4	101.1	104.0	104.9	106.8	107.7	109.6	109.6
157.5°	85.1	87.9	91.7	95.5	98.3	100.2	103.0	104.0	104.9	104.9
160°	80.3	82.2	86.0	89.8	92.6	94.5	99.2	100.2	101.1	101.1
162.5°	78.4	78.4	80.3	83.2	86.0	87.0	91.7	95.5	97.3	96.4
165°	79.4	78.4	78.4	79.4	81.3	82.2	85.1	90.7	92.6	91.7
167.5°	81.3	79.4	78.4	78.4	80.3	80.3	83.2	87.9	93.6	91.7
170°	81.3	78.4	76.6	76.6	77.5	77.5	79.4	82.2	87.9	88.8
172.5°	80.3	78.4	75.6	71.8	72.8	71.8	70.9	72.8	73.7	83.2
175°	81.3	78.4	75.6	70.9	69.0	66.2	61.4	57.7	56.7	46.3
177.5°	80.3	77.5	73.7	69.9	68.0	64.3	58.6	52.0	48.2	42.5
180°	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6



TEST NUMBER: P895515  
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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	11.33	12.64	11.97	13.31	14.08	14.95	16.27	15.60	16.93	17.70
	3H	12.68	13.88	13.33	14.55	15.35	17.91	19.11	18.56	19.78	20.58
	4H	13.08	14.22	13.75	14.91	15.72	19.42	20.56	20.09	21.24	22.06
	6H	13.30	14.36	13.98	15.06	15.89	21.03	22.09	21.71	22.79	23.62
	8H	13.33	14.35	14.03	15.07	15.90	21.88	22.90	22.57	23.61	24.45
	12H	13.33	14.31	14.04	15.02	15.89	22.82	23.80	23.53	24.51	25.37
4H	2H	12.49	13.63	13.17	14.32	15.13	15.27	16.41	15.95	17.10	17.91
	3H	14.13	15.11	14.82	15.83	16.66	18.46	19.43	19.14	20.15	20.99
	4H	14.70	15.60	15.40	16.32	17.19	20.13	21.04	20.84	21.76	22.62
	6H	15.04	15.84	15.76	16.59	17.45	21.95	22.75	22.68	23.50	24.37
	8H	15.11	15.86	15.84	16.61	17.49	22.93	23.68	23.65	24.43	25.31
	12H	15.14	15.82	15.89	16.59	17.48	24.01	24.70	24.76	25.47	26.36
8H	4H	15.81	16.56	16.53	17.30	18.19	20.31	21.06	21.03	21.80	22.69
	6H	16.41	17.05	17.17	17.84	18.73	22.30	22.94	23.06	23.73	24.61
	8H	16.61	17.19	17.37	17.98	18.87	23.42	24.00	24.19	24.79	25.68
	12H	16.72	17.24	17.49	18.02	18.97	24.70	25.21	25.47	25.99	26.95
12H	4H	16.17	16.86	16.92	17.63	18.51	20.30	20.98	21.05	21.75	22.64
	6H	16.95	17.53	17.71	18.32	19.21	22.33	22.91	23.09	23.70	24.60
	8H	17.28	17.79	18.05	18.57	19.53	23.51	24.03	24.28	24.81	25.76