

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: P895505

Luminaire Tested: 8TMB-SC3-RND-UNV-CC93-LOW-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-RND-UNV-CC93-LOW-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3500K CCT, LOW I setting
Light Source: -
Ballast/Driver: -

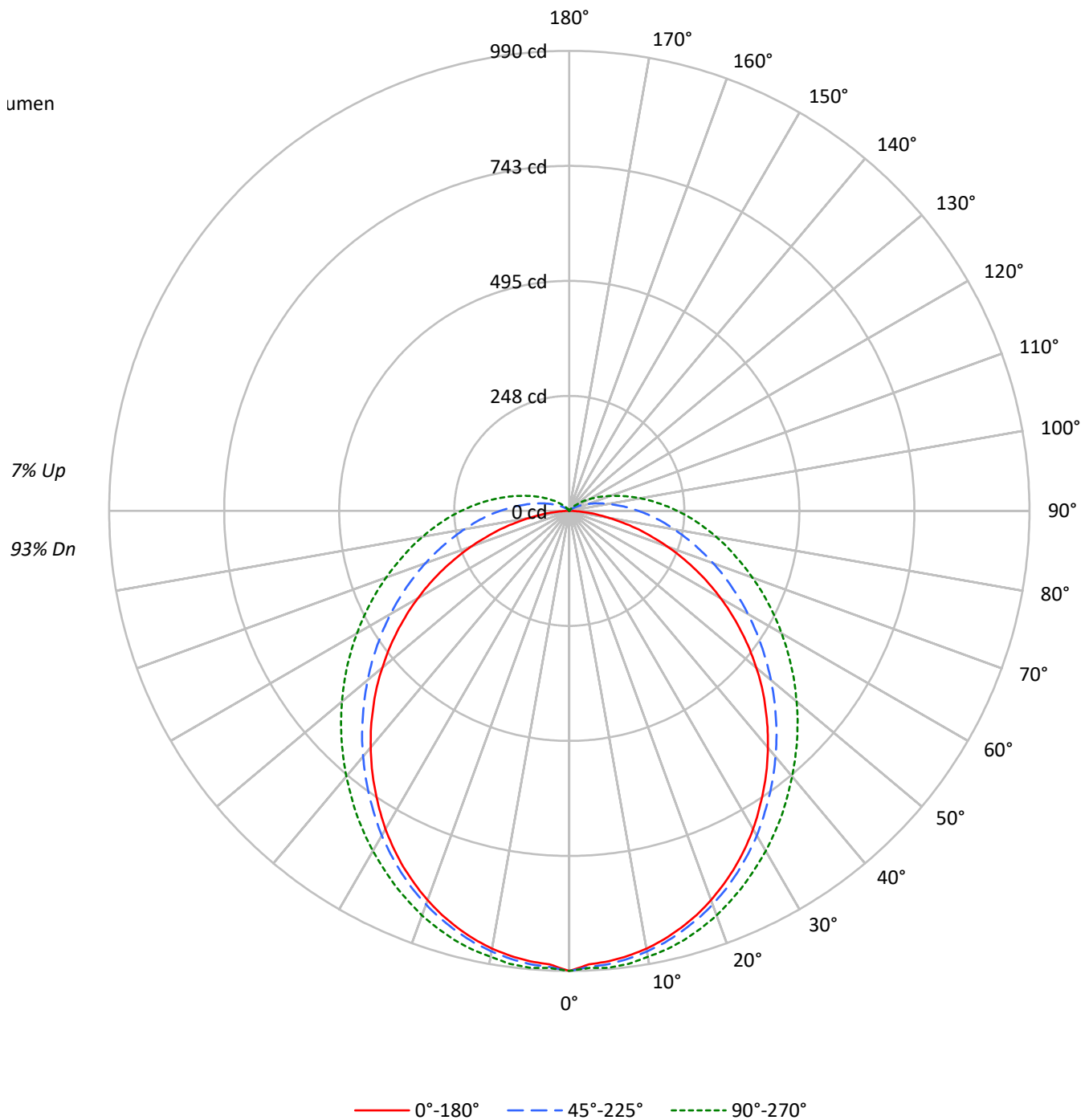
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3277.0 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: 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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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3512	3512	3512
5°	3465	3487	3515
10°	3447	3469	3511
15°	3411	3440	3511
20°	3366	3404	3498
25°	3309	3357	3478
30°	3240	3307	3462
35°	3160	3248	3456
40°	3078	3196	3455
45°	2993	3152	3478
50°	2899	3125	3523
55°	2794	3119	3608
60°	2671	3149	3743
65°	2523	3232	3967
70°	2338	3415	4347
75°	2113	3801	5044
80°	1788	4685	6553
85°	1449	7629	11224

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 20669 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	2.9
10°-20°	266.7	8.1
20°-30°	399.4	12.2
30°-40°	476.2	14.5
40°-50°	493.9	15.1
50°-60°	458.2	14.0
60°-70°	382.3	11.7
70°-80°	285.0	8.7
80°-90°	189.8	5.8
90°-100°	115.5	3.5
100°-110°	64.5	2.0
110°-120°	32.2	1.0
120°-130°	13.5	0.4
130°-140°	4.2	0.1
140°-150°	1.0	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	759.7	23.2
0°-40°	1236.0	37.7
0°-60°	2188.1	66.8
0°-90°	3045.1	92.9
90°-120°	212.3	6.5
90°-150°	231.0	7.0
90°-180°	232.0	7.1
0°-180°	3277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	990	990	990	990	990	
5°	973	995	979	984	987	92
15°	929	953	936	954	956	262
25°	845	868	857	882	888	389
35°	730	749	750	787	798	456
45°	596	612	628	678	693	460
55°	452	467	504	563	583	404
65°	300	324	385	450	472	297
75°	154	197	277	345	368	163
85°	36	98	187	252	276	40
90°	2	64	149	210	232	3
95°	0	40	115	172	192	0
105°	0	12	63	106	122	0
115°	1	3	29	60	71	1
125°	1	1	12	29	36	1
135°	1	1	3	10	13	1
145°	1	1	1	2	3	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	0
175°	2	2	2	1	0	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	989.9	989.9	989.9	989.9	989.9	989.9	989.9	989.9	989.9	989.9	989.9
2.5°	976.7	978.3	992.2	991.4	989.1	998.4	1000.7	993.0	980.6	993.0	982.2
5°	972.9	974.4	988.3	987.6	985.2	995.3	996.1	989.1	976.7	989.1	979.1
7.5°	965.9	967.4	981.4	980.6	979.1	989.1	988.3	982.9	969.8	982.9	972.1
10°	956.6	957.4	972.1	970.5	969.8	979.8	977.5	972.9	959.7	972.9	962.8
12.5°	944.2	945.0	959.7	958.1	958.1	967.4	964.3	960.5	947.3	959.7	951.2
15°	928.7	929.5	943.4	942.6	942.6	952.7	948.1	945.0	932.6	945.7	936.5
17.5°	911.7	910.9	925.6	924.1	925.6	934.9	928.7	927.2	915.5	927.9	920.2
20°	891.5	891.5	904.7	903.9	906.2	914.8	907.0	907.8	896.2	909.3	901.6
22.5°	869.1	868.3	881.5	881.5	883.8	892.3	883.8	886.1	874.5	886.9	880.7
25°	845.1	843.5	856.7	856.7	860.5	867.5	858.2	861.3	850.5	862.9	857.4
27.5°	818.7	816.4	829.6	830.3	833.4	840.4	830.3	835.0	824.9	836.5	832.7
30°	790.8	788.5	801.7	802.5	806.3	811.7	801.7	807.9	798.6	810.2	807.1
32.5°	760.6	759.1	771.5	773.0	776.9	780.8	771.5	777.7	769.9	781.5	778.4
35°	729.6	728.1	739.7	742.0	745.9	749.0	738.9	747.5	740.5	751.3	749.8
37.5°	697.9	695.6	708.0	709.5	714.2	715.7	706.4	716.5	710.3	721.1	720.3
40°	664.6	662.3	674.6	676.2	680.8	680.8	673.1	683.9	679.3	689.4	690.1
42.5°	631.3	628.9	639.8	642.9	646.8	646.8	639.0	650.6	647.5	657.6	659.9
45°	596.4	594.1	604.2	607.3	611.9	611.9	604.2	617.3	615.0	625.1	628.2
47.5°	562.3	559.2	568.5	571.6	576.3	575.5	569.3	582.5	581.7	591.8	597.2
50°	525.2	522.8	532.1	535.2	540.6	539.1	534.5	548.4	548.4	558.5	566.2
52.5°	488.8	486.4	495.7	498.8	503.5	503.5	498.8	513.5	515.9	525.9	535.2
55°	451.6	448.5	457.8	460.9	466.3	467.1	463.2	477.9	482.6	494.2	504.2
57.5°	414.4	412.8	420.6	423.7	430.7	430.7	428.3	443.8	450.0	462.4	474.0
60°	376.4	374.9	381.9	385.7	393.5	395.0	393.5	409.7	418.3	430.7	443.8
62.5°	338.5	336.9	343.9	349.3	357.8	359.4	360.2	377.2	386.5	399.7	414.4
65°	300.5	299.0	306.0	312.2	322.2	324.5	326.9	344.7	355.5	369.5	385.0
67.5°	262.6	261.8	268.8	276.5	287.4	290.5	294.3	312.9	325.3	340.0	357.1
70°	225.4	224.6	231.6	240.9	254.1	257.9	262.6	281.2	296.7	312.2	329.2
72.5°	188.2	189.0	196.7	207.6	222.3	226.2	232.4	251.7	268.8	285.0	302.9
75°	154.1	154.1	162.7	175.1	191.3	196.7	203.7	223.8	241.7	258.7	277.3
77.5°	119.3	119.3	129.4	144.8	162.7	168.1	176.6	197.5	216.9	233.9	252.5
80°	87.5	89.1	100.7	116.2	134.8	141.7	151.8	172.7	193.6	210.7	229.3
82.5°	59.6	62.0	74.4	92.2	110.8	117.7	127.8	150.3	171.2	189.0	208.4
85°	35.6	39.5	52.7	70.5	89.8	97.6	108.4	129.4	150.3	168.1	187.4
87.5°	16.3	21.7	35.6	53.4	72.0	80.6	89.8	110.0	130.9	148.7	168.9
90°	1.5	9.3	23.2	38.7	56.5	64.3	73.6	92.9	113.1	129.4	148.7
92.5°	0.0	3.9	13.9	27.9	43.4	51.1	59.6	78.2	96.0	112.3	130.9
95°	0.0	1.5	7.7	19.4	32.5	39.5	47.2	64.3	82.1	97.6	114.6
97.5°	0.0	0.8	4.6	13.2	24.0	30.2	37.2	52.7	68.9	83.7	99.1
100°	0.0	0.8	2.3	8.5	17.8	22.5	29.4	42.6	57.3	70.5	86.0
102.5°	0.0	0.0	1.5	5.4	13.2	17.0	22.5	34.1	47.2	59.6	73.6
105°	0.0	0.0	0.8	3.9	9.3	12.4	17.0	27.1	38.7	49.6	62.7
107.5°	0.0	0.0	0.8	2.3	6.2	9.3	13.2	20.9	31.0	41.1	52.7
110°	0.8	0.8	0.8	1.5	4.6	7.0	9.3	16.3	25.6	34.1	44.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.8	0.8	0.8	0.8	3.1	4.6	7.0	12.4	20.1	27.1	36.4
115°	0.8	0.8	0.8	0.8	2.3	3.1	4.6	9.3	15.5	21.7	29.4
117.5°	0.8	0.8	0.8	0.8	1.5	2.3	3.1	7.0	11.6	17.0	24.0
120°	0.8	0.8	0.8	0.8	0.8	1.5	2.3	4.6	9.3	13.2	19.4
122.5°	0.8	0.8	0.8	0.8	0.8	1.5	1.5	3.9	7.0	10.1	14.7
125°	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	4.6	7.7	11.6
127.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.1	5.4	8.5
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.9	6.2
132.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.1	4.6
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	2.3	3.1
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	2.3
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
145°	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8
155°	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8
160°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.8
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8	0.8
167.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8
170°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
172.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.8
175°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
177.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	989.9	989.9	989.9	989.9	989.9	989.9	989.9	989.9	989.9	989.9
2.5°	985.2	987.6	989.9	983.7	987.6	994.5	996.9	987.6	990.7	984.5
5°	982.2	983.7	986.8	979.1	984.5	990.7	994.5	986.8	991.4	986.8
7.5°	976.0	977.5	981.4	973.6	980.6	986.0	990.7	982.9	987.6	982.9
10°	966.7	969.0	974.4	965.1	973.6	978.3	982.9	974.4	979.1	974.4
12.5°	955.0	958.9	963.6	955.0	963.6	967.4	973.6	965.1	970.5	966.7
15°	941.1	945.0	951.2	942.6	953.5	956.6	962.8	954.3	959.7	955.8
17.5°	924.8	929.5	937.2	927.2	939.5	941.9	948.1	940.3	945.7	941.9
20°	906.2	910.9	918.6	909.3	921.7	923.3	930.3	923.3	928.7	926.4
22.5°	884.6	890.0	897.7	889.2	902.4	902.4	910.9	903.9	910.1	907.8
25°	862.1	868.3	876.8	867.5	881.5	881.5	890.8	883.8	890.0	888.4
27.5°	838.1	845.1	855.1	845.8	859.8	859.0	868.3	862.1	869.1	866.7
30°	812.5	820.3	830.3	822.6	837.3	835.8	845.1	839.6	845.8	845.1
32.5°	784.6	793.2	805.5	797.0	811.7	810.2	821.8	815.6	823.4	821.8
35°	756.8	766.0	778.4	770.7	787.0	784.6	796.3	790.8	798.6	797.8
37.5°	728.1	738.2	750.6	744.4	759.8	757.5	769.9	765.3	773.8	771.5
40°	698.7	708.7	721.9	716.5	732.7	729.6	742.8	738.9	747.5	745.9
42.5°	669.2	680.1	693.2	690.1	705.6	702.5	715.7	712.6	721.1	719.6
45°	639.0	650.6	664.6	661.5	677.7	674.6	687.8	685.5	694.0	693.2
47.5°	608.8	621.2	635.1	633.6	649.1	646.0	659.9	657.6	666.1	666.1
50°	577.8	591.8	605.7	604.9	620.4	617.3	629.7	629.7	639.0	638.2
52.5°	546.8	561.6	576.3	576.3	591.8	588.7	602.6	601.8	611.1	611.1
55°	517.4	530.6	545.3	548.4	563.1	558.5	573.2	574.7	582.5	583.2
57.5°	488.0	501.9	516.6	520.5	534.5	531.4	545.3	546.8	554.6	555.4
60°	458.5	471.7	486.4	491.8	505.8	502.7	516.6	518.2	526.7	527.5
62.5°	429.1	442.3	458.5	464.0	477.1	474.8	489.5	491.1	498.8	500.4
65°	400.5	414.4	429.9	437.6	450.0	446.9	461.6	463.2	471.7	472.5
67.5°	372.6	386.5	402.0	410.5	422.1	420.6	434.5	437.6	444.6	446.2
70°	345.5	359.4	375.7	384.2	395.8	395.0	408.2	410.5	418.3	419.0
72.5°	319.1	333.1	349.3	359.4	369.5	368.7	381.9	385.0	392.7	393.5
75°	293.6	308.3	323.8	334.6	344.7	343.9	357.1	360.2	367.1	367.9
77.5°	269.5	284.3	300.5	311.4	319.9	320.7	332.3	335.4	342.4	344.7
80°	247.1	261.0	276.5	288.1	295.9	297.4	308.3	312.2	317.6	320.7
82.5°	225.4	239.3	254.8	265.7	273.4	275.0	285.0	289.7	295.1	297.4
85°	204.5	218.4	233.1	244.8	251.7	252.5	262.6	267.2	271.9	275.7
87.5°	184.3	198.3	212.2	224.6	230.8	232.4	241.7	246.3	250.2	254.1
90°	164.2	178.2	192.1	203.7	209.9	210.7	220.8	225.4	229.3	232.4
92.5°	145.6	159.6	173.5	185.1	190.5	192.1	200.6	206.0	209.1	212.2
95°	127.8	141.7	154.1	166.5	172.0	174.3	182.0	186.7	190.5	192.1
97.5°	112.3	124.7	136.3	148.7	153.4	155.7	163.4	168.9	172.0	173.5
100°	97.6	109.2	120.1	131.7	136.3	138.6	145.6	150.3	153.4	155.7
102.5°	84.4	95.3	105.3	116.2	120.8	122.4	128.6	133.2	136.3	138.6
105°	72.8	82.9	92.2	102.2	106.1	108.4	113.9	117.7	120.8	122.4
107.5°	62.0	72.0	79.8	89.1	92.9	94.5	99.9	104.6	106.9	107.7
110°	52.7	61.2	68.9	76.7	81.3	82.9	87.5	91.4	93.7	94.5



TEST NUMBER: P895505
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	44.2	51.9	58.9	65.8	69.7	71.3	75.9	79.8	81.3	82.1
115°	36.4	44.2	49.6	56.5	59.6	61.2	65.1	68.9	69.7	71.3
117.5°	29.4	36.4	41.8	47.2	50.3	51.9	55.0	58.1	59.6	60.4
120°	24.0	29.4	34.1	39.5	41.8	43.4	46.5	49.6	50.3	51.1
122.5°	19.4	24.0	27.9	32.5	34.9	36.4	38.7	41.1	41.8	42.6
125°	14.7	19.4	22.5	26.3	28.7	29.4	31.8	34.1	34.9	35.6
127.5°	11.6	14.7	17.8	20.9	22.5	23.2	25.6	27.1	27.9	28.7
130°	8.5	10.8	13.2	16.3	17.8	18.6	20.1	21.7	22.5	22.5
132.5°	6.2	8.5	10.1	12.4	13.2	13.9	15.5	17.0	17.0	17.8
135°	3.9	5.4	7.0	8.5	10.1	10.1	11.6	12.4	13.2	13.2
137.5°	3.1	3.9	4.6	6.2	7.0	7.7	7.7	9.3	9.3	9.3
140°	2.3	3.1	3.1	3.9	4.6	5.4	5.4	6.2	6.2	6.2
142.5°	1.5	2.3	2.3	3.1	3.1	3.9	3.9	3.9	4.6	4.6
145°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	3.1	3.1	3.1
147.5°	0.8	0.8	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
150°	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
165°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
170°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
175°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
177.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



TEST NUMBER: P895505
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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	14.65	16.19	15.12	16.65	17.13	16.22	17.76	16.69	18.22	18.70
	3H	16.33	17.73	16.81	18.20	18.73	18.85	20.25	19.33	20.72	21.25
	4H	16.93	18.26	17.43	18.74	19.28	20.16	21.49	20.66	21.98	22.52
	6H	17.33	18.57	17.84	19.06	19.62	21.57	22.81	22.08	23.30	23.86
	8H	17.44	18.63	17.97	19.15	19.71	22.31	23.50	22.84	24.02	24.59
	12H	17.52	18.66	18.05	19.17	19.77	23.16	24.30	23.70	24.82	25.41
4H	2H	15.58	16.91	16.08	17.40	17.94	16.78	18.11	17.28	18.59	19.13
	3H	17.56	18.70	18.08	19.22	19.79	19.69	20.83	20.21	21.35	21.92
	4H	18.34	19.38	18.87	19.91	20.51	21.22	22.26	21.75	22.79	23.39
	6H	18.92	19.84	19.47	20.40	21.01	22.86	23.78	23.41	24.34	24.95
	8H	19.10	19.96	19.66	20.53	21.15	23.74	24.61	24.30	25.17	25.79
	12H	19.22	20.01	19.81	20.60	21.23	24.74	25.53	25.33	26.12	26.75
8H	4H	19.21	20.08	19.78	20.64	21.27	21.58	22.44	22.14	23.01	23.63
	6H	20.10	20.83	20.69	21.44	22.07	23.48	24.22	24.07	24.82	25.45
	8H	20.44	21.11	21.05	21.73	22.37	24.56	25.23	25.17	25.84	26.48
	12H	20.72	21.31	21.32	21.92	22.62	25.83	26.42	26.43	27.03	27.73
12H	4H	19.49	20.28	20.07	20.87	21.50	21.62	22.41	22.20	23.00	23.63
	6H	20.54	21.21	21.15	21.83	22.47	23.59	24.25	24.19	24.87	25.51
	8H	21.06	21.66	21.67	22.26	22.97	24.78	25.38	25.39	25.98	26.69