

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: P895415

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-SC3-FLTU-UNV-CC93-LOW-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 3500K CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

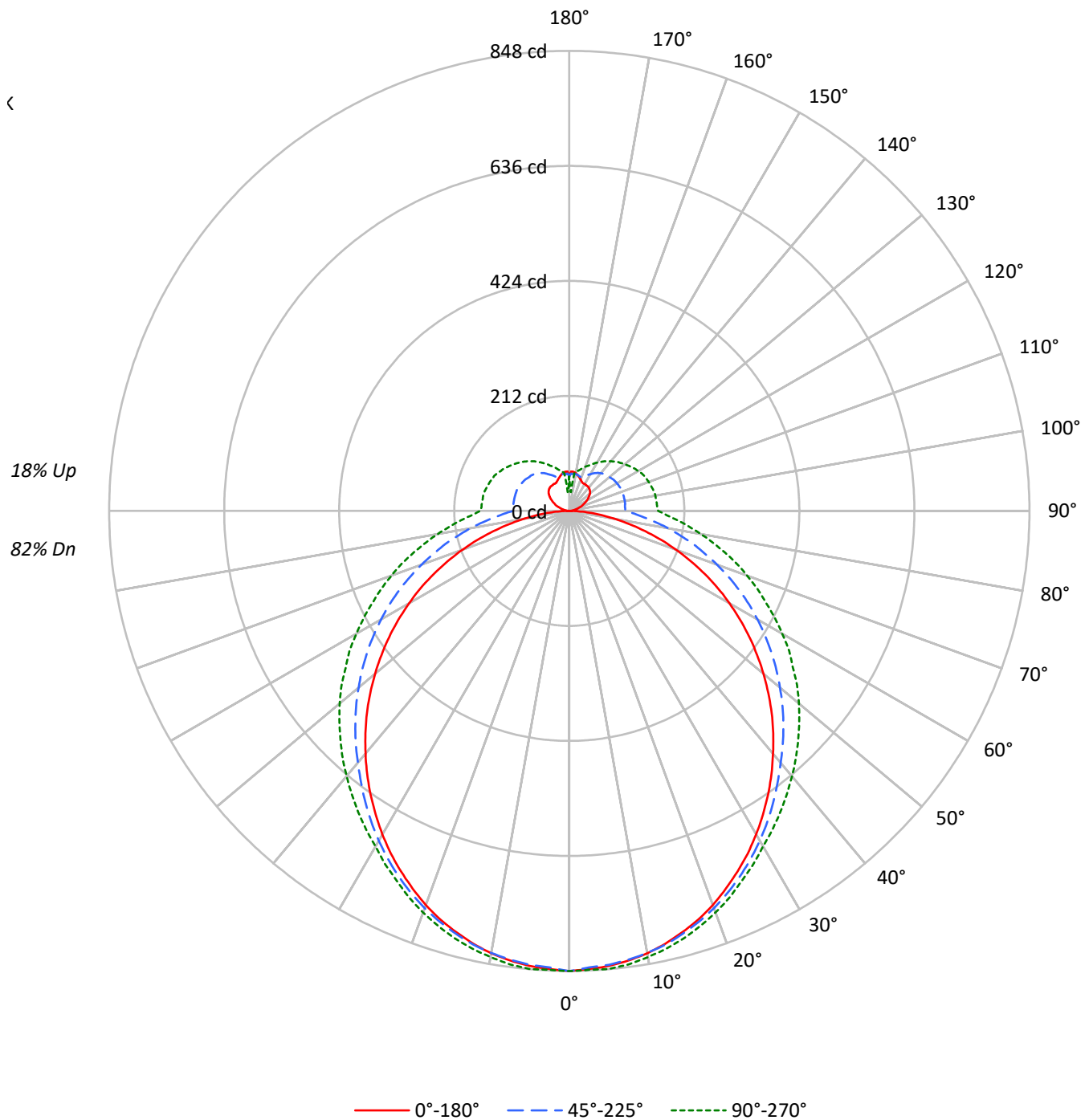
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3207.0 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 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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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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3010	3010	3010
5°	2992	2889	2880
10°	2970	2782	2744
15°	2933	2674	2613
20°	2892	2564	2480
25°	2837	2448	2346
30°	2780	2330	2223
35°	2716	2211	2122
40°	2647	2093	2026
45°	2580	1991	1934
50°	2501	1885	1845
55°	2416	1781	1745
60°	2314	1669	1650
65°	2193	1551	1543
70°	2032	1421	1443
75°	1810	1288	1336
80°	1516	1146	1226
85°	1141	1001	1124

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2580 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	2.5
10°-20°	228.8	7.1
20°-30°	343.8	10.7
30°-40°	412.8	12.9
40°-50°	434.0	13.5
50°-60°	407.8	12.7
60°-70°	339.1	10.6
70°-80°	242.0	7.5
80°-90°	144.0	4.5
90°-100°	104.3	3.3
100°-110°	102.9	3.2
110°-120°	96.6	3.0
120°-130°	85.6	2.7
130°-140°	71.0	2.2
140°-150°	53.1	1.7
150°-160°	34.9	1.1
160°-170°	19.8	0.6
170°-180°	6.3	0.2
0°-30°	652.8	20.4
0°-40°	1065.5	33.2
0°-60°	1907.4	59.5
0°-90°	2632.5	82.1
90°-120°	303.8	9.5
90°-150°	513.5	16.0
90°-180°	575.0	17.9
0°-180°	3207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	848	848	848	848	848	
5°	842	852	840	842	848	80
15°	804	816	807	813	816	227
25°	734	748	744	751	752	338
35°	638	653	655	672	678	399
45°	528	542	558	586	596	407
55°	405	421	455	492	503	362
65°	276	298	346	389	400	273
75°	145	177	236	282	297	154
85°	36	80	139	185	201	40
90°	0	46	103	148	164	3
95°	4	48	103	146	162	4
105°	15	54	104	145	159	16
115°	29	58	103	139	153	29
125°	43	62	100	130	140	39
135°	54	65	94	118	127	41
145°	57	64	85	105	112	36
155°	57	64	72	89	94	27
165°	66	70	67	68	79	19
175°	73	72	68	58	35	7
180°	64	64	64	64	64	



TEST NUMBER: P895415
 CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC93-LOW-3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3
2.5°	845.2	847.5	848.3	856.1	853.0	856.1	850.6	844.4	842.9	846.8	842.1
5°	842.1	844.4	845.2	853.0	849.9	852.2	847.5	841.3	839.8	844.4	839.8
7.5°	835.9	838.2	839.0	847.5	843.7	846.8	841.3	835.1	834.4	839.0	834.4
10°	828.2	830.5	831.3	839.0	835.9	839.0	833.6	827.4	826.6	832.0	827.4
12.5°	817.3	819.6	821.2	828.9	825.1	828.9	822.7	816.5	817.3	822.0	818.9
15°	804.1	807.2	808.0	815.8	812.7	816.5	810.3	804.1	805.7	810.3	807.2
17.5°	790.2	793.3	794.1	801.0	797.9	802.6	795.6	790.2	791.8	796.4	794.1
20°	773.2	776.3	777.8	784.8	781.7	786.3	779.4	774.7	776.3	781.7	779.4
22.5°	753.8	758.4	759.2	767.0	763.1	767.7	760.8	756.9	759.2	764.6	762.3
25°	733.6	738.3	739.1	746.8	743.7	747.6	740.6	736.7	739.8	745.3	743.7
27.5°	712.0	716.6	718.2	725.1	722.0	726.7	718.9	716.6	719.7	725.1	723.6
30°	688.7	693.4	694.1	701.1	698.8	703.4	696.5	693.4	698.0	703.4	701.9
32.5°	663.9	668.6	670.9	677.1	674.8	678.6	672.4	670.9	674.8	680.2	679.4
35°	638.4	643.0	645.3	652.3	649.2	653.1	646.9	645.3	651.5	655.4	655.4
37.5°	612.0	616.7	619.0	626.0	622.1	626.7	620.5	619.8	626.7	630.6	630.6
40°	584.1	589.6	591.9	598.1	595.0	598.8	593.4	594.2	600.4	605.0	605.8
42.5°	556.2	561.7	564.0	571.0	567.1	571.0	566.3	567.1	574.1	578.7	582.6
45°	527.6	532.2	534.5	542.3	537.6	542.3	537.6	539.2	546.2	553.1	557.8
47.5°	497.4	502.0	505.9	512.1	508.2	512.1	509.0	511.3	519.8	526.8	533.0
50°	467.1	471.8	475.7	481.1	477.2	482.6	478.8	481.9	492.7	499.7	506.7
52.5°	436.2	440.0	446.2	449.3	446.2	452.4	449.3	454.0	464.8	473.3	481.1
55°	405.2	409.0	415.2	417.6	414.5	421.4	419.1	425.3	436.9	446.2	454.8
57.5°	373.4	377.3	382.7	385.0	382.7	390.5	389.7	396.7	408.3	418.3	427.6
60°	340.9	344.7	349.4	351.7	351.7	359.5	359.5	368.0	380.4	389.7	400.5
62.5°	309.1	311.4	316.1	319.2	321.5	329.3	329.3	338.5	351.7	362.6	373.4
65°	275.8	278.1	282.0	285.9	289.7	298.3	299.0	309.1	322.3	333.1	345.5
67.5°	242.5	244.8	248.7	253.3	258.8	267.3	268.8	279.7	293.6	306.0	317.6
70°	209.9	210.7	215.4	221.6	227.8	236.3	238.6	250.2	265.0	277.3	289.7
72.5°	177.4	178.2	182.8	190.6	197.6	206.8	209.9	222.3	237.1	249.5	261.9
75°	144.9	145.6	151.8	161.1	168.9	177.4	181.3	194.5	209.2	222.3	236.3
77.5°	113.9	115.4	121.6	130.9	140.2	150.3	154.2	167.3	183.6	196.0	209.2
80°	85.2	86.8	93.7	103.8	113.9	123.2	127.8	141.0	158.0	170.4	185.2
82.5°	58.9	61.2	69.7	80.6	90.6	100.7	105.4	117.8	133.2	147.2	161.1
85°	36.4	39.5	48.0	59.7	70.5	79.8	84.4	97.6	112.3	125.5	138.7
87.5°	17.0	21.7	30.2	41.8	53.5	61.2	66.6	79.8	93.7	106.9	120.1
90°	0.0	7.0	15.5	27.1	38.7	45.7	51.9	64.3	78.2	90.6	103.0
92.5°	1.5	7.7	17.0	27.9	39.5	46.5	52.7	65.1	78.2	90.6	103.0
95°	3.9	8.5	17.8	29.4	41.1	48.0	53.5	65.9	79.0	91.4	103.0
97.5°	7.0	10.8	20.1	31.0	42.6	48.8	55.0	67.4	79.8	92.2	103.8
100°	9.3	12.4	21.7	32.5	44.2	50.4	56.6	68.2	80.6	93.0	103.8
102.5°	11.6	15.5	24.0	34.1	45.7	51.9	57.3	68.9	81.3	93.0	103.8
105°	14.7	17.8	25.6	36.4	47.3	53.5	58.9	70.5	82.1	93.7	103.8
107.5°	17.8	20.1	27.9	38.0	48.8	54.2	59.7	71.3	82.9	93.7	103.8
110°	21.7	23.2	30.2	39.5	49.6	55.8	61.2	72.0	82.9	93.7	103.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	25.6	25.6	32.5	41.1	51.1	56.6	62.0	72.8	83.7	93.7	103.8
115°	28.7	29.4	34.9	42.6	52.7	58.1	62.8	72.8	83.7	93.7	103.0
117.5°	32.5	32.5	38.0	44.2	53.5	58.9	64.3	73.6	83.7	93.0	102.3
120°	36.4	35.6	40.3	46.5	55.0	59.7	65.1	74.4	83.7	93.0	101.5
122.5°	40.3	38.7	41.8	48.0	55.8	61.2	65.1	74.4	83.7	92.2	100.7
125°	43.4	41.8	44.2	50.4	57.3	62.0	65.9	74.4	83.7	91.4	99.9
127.5°	46.5	44.9	47.3	51.9	58.1	62.0	66.6	74.4	83.7	90.6	98.4
130°	49.6	47.3	50.4	53.5	59.7	62.8	66.6	74.4	82.9	89.9	96.8
132.5°	51.9	49.6	52.7	55.0	60.4	63.5	67.4	74.4	82.1	89.1	96.1
135°	53.5	51.1	55.0	56.6	62.0	65.1	68.2	74.4	81.3	88.3	94.5
137.5°	55.0	51.9	56.6	58.1	62.8	65.9	68.2	73.6	80.6	86.8	93.0
140°	55.8	53.5	58.1	59.7	62.0	65.1	68.2	72.8	79.0	85.2	90.6
142.5°	56.6	53.5	58.9	60.4	62.0	64.3	67.4	71.3	77.5	82.9	88.3
145°	56.6	54.2	58.9	60.4	62.0	63.5	65.9	70.5	75.1	79.8	85.2
147.5°	56.6	55.0	59.7	61.2	62.8	62.8	64.3	68.9	72.8	77.5	82.1
150°	57.3	55.0	59.7	61.2	63.5	63.5	64.3	66.6	71.3	74.4	78.2
152.5°	56.6	55.8	58.9	62.0	63.5	64.3	64.3	65.1	68.9	72.0	75.1
155°	57.3	57.3	59.7	63.5	64.3	64.3	65.1	64.3	65.9	68.9	72.0
157.5°	58.9	60.4	60.4	64.3	65.9	65.9	66.6	65.9	65.1	65.9	68.9
160°	61.2	62.8	62.8	65.1	67.4	67.4	68.2	67.4	66.6	65.9	65.9
162.5°	63.5	65.1	65.1	65.9	68.2	68.9	69.7	68.9	68.2	66.6	65.9
165°	65.9	67.4	67.4	67.4	68.9	69.7	70.5	69.7	69.7	68.2	67.4
167.5°	68.2	69.7	69.7	68.9	69.7	70.5	71.3	70.5	70.5	69.7	68.2
170°	70.5	72.0	72.0	70.5	71.3	71.3	72.0	71.3	71.3	69.7	68.9
172.5°	72.0	73.6	72.8	72.0	72.0	72.0	72.0	71.3	70.5	68.9	68.9
175°	72.8	74.4	74.4	72.8	72.0	72.0	72.8	71.3	70.5	69.7	68.2
177.5°	72.8	74.4	74.4	72.8	72.8	72.0	72.8	72.0	72.0	70.5	68.9
180°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3	848.3
2.5°	845.2	844.4	839.8	845.2	845.2	843.7	849.9	849.1	848.3	846.8
5°	842.1	841.3	836.7	842.1	842.1	841.3	847.5	848.3	849.1	847.5
7.5°	837.5	836.7	832.0	837.5	837.5	836.7	843.7	844.4	845.2	842.9
10°	830.5	829.7	825.1	830.5	831.3	830.5	835.9	836.7	838.2	835.1
12.5°	821.2	821.2	816.5	822.0	822.7	822.0	827.4	828.9	830.5	826.6
15°	809.6	810.3	806.5	811.9	812.7	812.7	818.1	818.9	821.2	815.8
17.5°	795.6	797.2	794.1	799.5	800.3	801.0	804.1	806.5	808.8	802.6
20°	780.9	781.7	779.4	784.0	785.6	784.8	788.7	791.8	794.1	787.9
22.5°	763.1	763.9	761.5	766.2	767.7	768.5	771.6	775.5	777.0	771.6
25°	742.9	746.0	744.5	749.1	750.7	750.7	753.8	757.7	760.0	752.2
27.5°	723.6	727.5	725.9	730.6	732.1	732.9	734.4	739.1	741.4	734.4
30°	701.9	706.5	705.8	710.4	712.0	711.2	714.3	718.9	722.0	714.3
32.5°	677.9	684.1	683.3	689.5	691.0	691.8	694.1	700.3	703.4	696.5
35°	654.6	661.6	662.4	669.3	671.7	672.4	675.5	681.7	684.8	677.9
37.5°	630.6	639.9	642.2	649.2	651.5	652.3	655.4	662.4	665.5	658.5
40°	607.4	618.2	621.3	627.5	629.8	632.2	634.5	641.5	645.3	638.4
42.5°	584.1	595.8	599.6	605.8	608.1	610.5	613.6	621.3	624.4	618.2
45°	560.1	572.5	577.2	583.4	586.5	588.8	591.9	598.8	602.7	596.5
47.5°	536.1	548.5	553.1	560.1	563.2	566.3	568.6	577.2	581.0	574.8
50°	510.5	524.5	529.9	536.1	540.7	543.1	546.2	553.9	557.8	552.4
52.5°	485.0	499.7	505.9	512.1	516.7	520.6	522.2	530.7	534.5	529.1
55°	458.6	473.3	480.3	487.3	491.9	496.6	498.1	506.7	510.5	502.8
57.5°	432.3	447.8	454.8	462.5	466.4	471.8	474.1	481.9	485.7	480.3
60°	405.9	420.7	429.2	436.2	441.6	446.2	447.8	456.3	460.2	453.2
62.5°	378.8	394.3	402.8	410.6	415.2	420.7	423.0	430.7	433.8	426.9
65°	350.9	366.4	375.7	382.7	388.9	393.6	395.1	403.6	406.7	399.7
67.5°	323.1	338.5	348.6	356.4	361.8	367.2	368.8	377.3	380.4	375.0
70°	295.9	311.4	321.5	330.8	334.7	340.1	342.4	350.2	353.3	348.6
72.5°	268.8	284.3	295.2	304.5	308.3	313.8	316.9	323.1	327.7	323.8
75°	242.5	258.0	268.8	278.1	282.0	287.4	290.5	296.7	299.8	296.7
77.5°	216.9	232.4	242.5	251.8	256.4	261.1	264.2	270.4	274.2	271.1
80°	192.1	207.6	217.7	226.2	230.9	235.5	238.6	245.6	248.7	246.4
82.5°	168.9	183.6	194.5	203.0	207.6	212.3	215.4	221.6	225.4	222.3
85°	148.0	162.7	172.8	181.3	185.2	189.8	192.9	199.1	202.2	200.6
87.5°	127.8	141.0	152.6	161.1	165.0	169.7	173.5	178.2	182.1	179.7
90°	112.3	124.0	134.8	143.3	148.0	152.6	157.3	161.9	165.0	163.5
92.5°	113.1	124.0	134.0	141.8	146.4	151.1	155.7	161.1	163.5	161.9
95°	113.1	124.0	134.0	141.8	146.4	151.1	155.7	161.1	163.5	161.9
97.5°	113.1	124.0	134.0	141.8	146.4	151.1	155.7	161.1	163.5	161.1
100°	113.1	124.0	134.0	141.8	146.4	150.3	154.9	160.4	162.7	161.1
102.5°	113.1	124.0	133.2	141.0	145.6	149.5	154.2	159.6	161.9	160.4
105°	113.1	123.2	133.2	140.2	144.9	148.7	153.4	158.0	160.4	158.8
107.5°	112.3	122.4	131.7	139.4	143.3	147.2	151.8	156.5	158.8	157.3
110°	112.3	121.6	130.9	137.9	141.8	145.6	150.3	154.9	157.3	155.7



TEST NUMBER: P895415

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	111.6	120.9	130.2	136.3	140.2	144.1	148.0	153.4	155.7	154.2
115°	110.8	120.1	128.6	134.8	138.7	141.8	146.4	151.8	153.4	152.6
117.5°	110.0	118.5	127.1	133.2	137.1	140.2	144.1	148.7	151.1	150.3
120°	109.2	117.0	125.5	130.9	134.8	137.9	141.0	145.6	148.0	146.4
122.5°	107.7	115.4	124.0	129.4	132.5	135.6	138.7	142.5	144.9	144.1
125°	106.1	113.9	121.6	127.1	130.2	132.5	135.6	139.4	141.0	140.2
127.5°	104.6	112.3	119.3	124.0	127.8	130.2	132.5	136.3	137.9	137.1
130°	103.0	110.0	117.0	121.6	124.7	127.1	129.4	133.2	134.0	134.0
132.5°	101.5	107.7	114.7	119.3	122.4	124.0	126.3	129.4	130.9	130.2
135°	99.9	105.4	112.3	116.2	118.5	120.9	123.2	126.3	127.1	127.1
137.5°	97.6	103.0	109.2	113.1	115.4	117.0	119.3	122.4	123.2	123.2
140°	95.3	100.7	106.1	109.2	112.3	113.9	115.4	118.5	119.3	119.3
142.5°	93.0	97.6	103.0	106.1	109.2	110.0	112.3	114.7	115.4	115.4
145°	89.9	95.3	99.9	103.0	105.4	106.1	108.5	110.8	110.8	111.6
147.5°	86.0	90.6	96.8	99.2	101.5	102.3	104.6	106.1	106.9	106.9
150°	82.1	86.8	92.2	96.1	98.4	99.2	99.9	102.3	102.3	103.0
152.5°	78.2	82.1	87.5	91.4	94.5	95.3	96.1	97.6	97.6	98.4
155°	74.4	77.5	82.1	86.0	89.1	90.6	92.2	93.7	93.7	94.5
157.5°	71.3	74.4	78.2	81.3	83.7	86.0	88.3	89.9	89.9	89.9
160°	67.4	69.7	73.6	75.9	79.0	80.6	84.4	86.0	86.0	86.8
162.5°	65.1	65.9	68.2	70.5	72.8	74.4	78.2	82.1	82.1	82.9
165°	65.9	65.1	65.9	66.6	68.2	68.9	71.3	76.7	78.2	79.0
167.5°	67.4	65.1	65.1	65.1	66.6	66.6	68.9	72.0	77.5	75.9
170°	67.4	65.1	63.5	63.5	64.3	63.5	65.1	67.4	70.5	73.6
172.5°	68.2	65.9	63.5	60.4	61.2	60.4	58.9	58.9	59.7	69.7
175°	67.4	65.9	62.8	58.9	58.1	55.8	51.1	47.3	44.9	34.9
177.5°	66.6	64.3	62.0	58.9	57.3	55.0	49.6	43.4	37.2	35.6
180°	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5



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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	11.54	12.86	12.15	13.49	14.21	14.16	15.48	14.78	16.12	16.84
	3H	12.94	14.14	13.57	14.78	15.54	16.63	17.83	17.26	18.47	19.23
	4H	13.37	14.50	14.01	15.16	15.93	17.79	18.93	18.44	19.59	20.36
	6H	13.60	14.66	14.26	15.33	16.11	18.98	20.03	19.64	20.70	21.48
	8H	13.65	14.66	14.32	15.34	16.13	19.57	20.58	20.24	21.27	22.05
	12H	13.66	14.62	14.34	15.31	16.12	20.20	21.17	20.88	21.85	22.67
4H	2H	12.44	13.58	13.09	14.23	15.00	14.51	15.65	15.16	16.30	17.07
	3H	14.06	15.03	14.72	15.72	16.51	17.17	18.14	17.84	18.83	19.62
	4H	14.61	15.50	15.30	16.20	17.02	18.49	19.37	19.17	20.07	20.89
	6H	14.95	15.73	15.65	16.45	17.28	19.84	20.62	20.54	21.34	22.17
	8H	15.03	15.76	15.73	16.48	17.32	20.53	21.26	21.23	21.98	22.82
	12H	15.06	15.72	15.78	16.47	17.31	21.28	21.95	22.01	22.69	23.53
8H	4H	15.28	16.01	15.98	16.73	17.57	18.64	19.37	19.34	20.09	20.93
	6H	15.78	16.40	16.52	17.16	18.00	20.13	20.75	20.86	21.51	22.35
	8H	15.94	16.49	16.68	17.25	18.11	20.94	21.50	21.69	22.26	23.12
	12H	16.03	16.52	16.77	17.27	18.19	21.85	22.35	22.60	23.10	24.01
12H	4H	15.45	16.11	16.17	16.86	17.70	18.63	19.29	19.35	20.03	20.88
	6H	16.05	16.60	16.79	17.37	18.22	20.15	20.70	20.89	21.47	22.32
	8H	16.28	16.78	17.03	17.53	18.45	21.01	21.50	21.76	22.26	23.17