

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: P895406

Luminaire Tested: 8TMB-SC3-FLTU-UNV-CC83-LOW-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895406
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-CC83-LOW-3500K
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 3500K CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

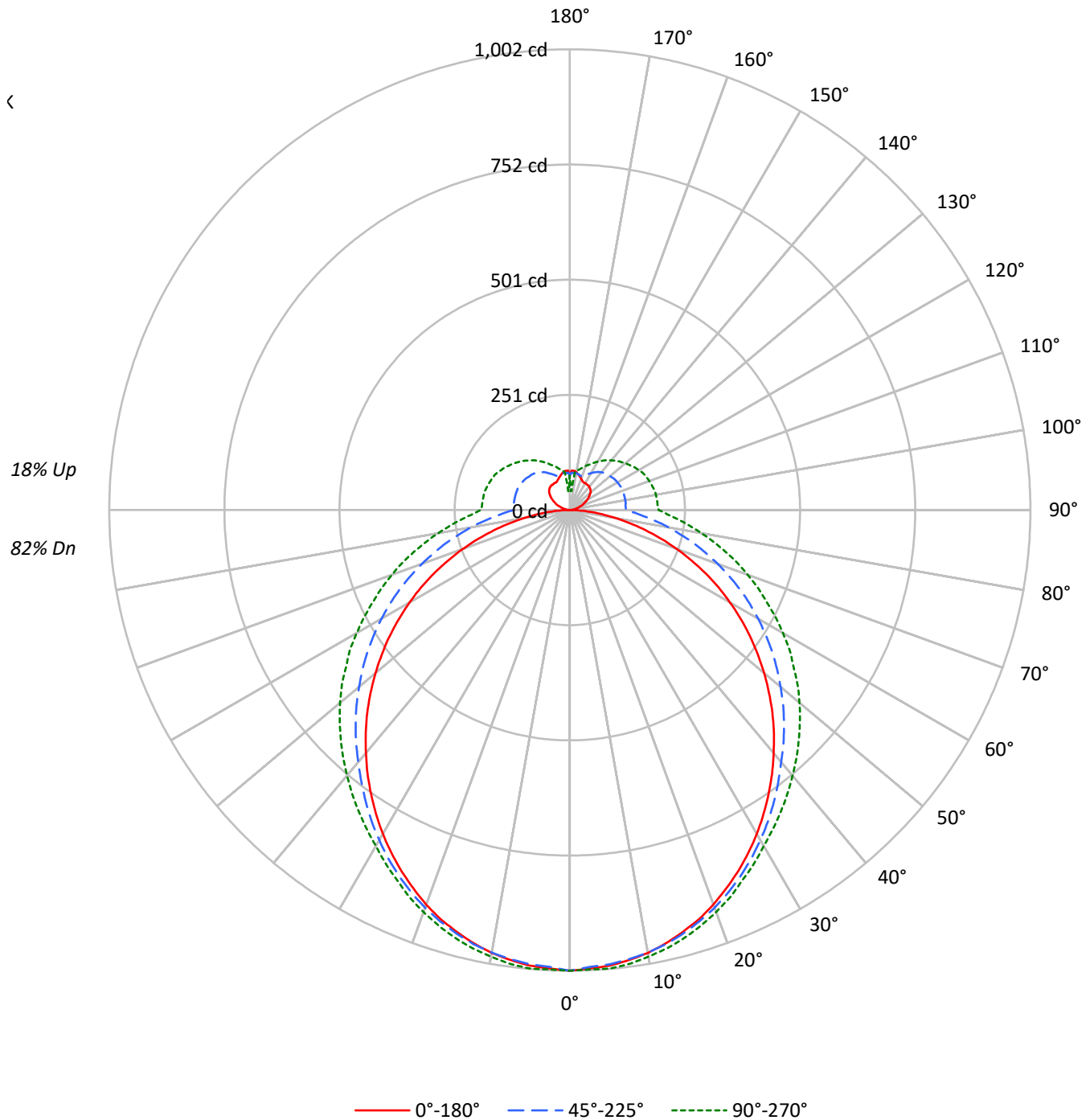
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3788.0 lumens
Efficiency: N/A
Efficacy: 113.1 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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CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC83-LOW-3500K

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	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°	3555	3555	3555
5°	3535	3412	3402
10°	3508	3286	3241
15°	3465	3159	3086
20°	3416	3028	2930
25°	3352	2892	2771
30°	3283	2752	2626
35°	3207	2611	2507
40°	3127	2472	2392
45°	3048	2351	2284
50°	2954	2226	2179
55°	2854	2103	2061
60°	2733	1971	1949
65°	2590	1832	1823
70°	2401	1678	1705
75°	2137	1521	1578
80°	1792	1353	1448
85°	1348	1182	1328

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3048 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	2.5
10°-20°	270.3	7.1
20°-30°	406.0	10.7
30°-40°	487.5	12.9
40°-50°	512.7	13.5
50°-60°	481.7	12.7
60°-70°	400.5	10.6
70°-80°	285.8	7.5
80°-90°	170.1	4.5
90°-100°	123.2	3.3
100°-110°	121.5	3.2
110°-120°	114.1	3.0
120°-130°	101.1	2.7
130°-140°	83.8	2.2
140°-150°	62.7	1.7
150°-160°	41.3	1.1
160°-170°	23.4	0.6
170°-180°	7.5	0.2
0°-30°	771.0	20.4
0°-40°	1258.6	33.2
0°-60°	2252.9	59.5
0°-90°	3109.4	82.1
90°-120°	358.8	9.5
90°-150°	606.5	16.0
90°-180°	679.0	17.9
0°-180°	3788.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	995	1007	992	995	1001	94
15°	950	964	954	960	964	268
25°	867	883	878	887	888	399
35°	754	771	774	793	801	472
45°	623	640	659	693	705	480
55°	479	498	537	581	594	428
65°	326	352	408	459	472	322
75°	171	210	279	333	350	182
85°	43	94	164	219	237	47
90°	0	54	122	175	193	3
95°	5	57	122	173	191	5
105°	17	63	123	171	188	19
115°	34	69	122	164	180	34
125°	51	73	118	154	166	46
135°	63	77	112	140	150	49
145°	67	75	101	124	132	42
155°	68	76	85	105	112	32
165°	78	82	80	80	93	22
175°	86	85	80	69	41	8
180°	75	75	75	75	75	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	998.3	1001.1	1002.0	1011.1	1007.5	1011.1	1004.7	997.4	995.6	1000.2	994.7
5°	994.7	997.4	998.3	1007.5	1003.8	1006.6	1001.1	993.8	991.9	997.4	991.9
7.5°	987.3	990.1	991.0	1001.1	996.5	1000.2	993.8	986.4	985.5	991.0	985.5
10°	978.2	980.9	981.9	991.0	987.3	991.0	984.6	977.3	976.4	982.8	977.3
12.5°	965.4	968.1	970.0	979.1	974.5	979.1	971.8	964.5	965.4	970.9	967.2
15°	949.8	953.5	954.4	963.6	959.9	964.5	957.2	949.8	951.7	957.2	953.5
17.5°	933.4	937.0	937.9	946.2	942.5	948.0	939.8	933.4	935.2	940.7	937.9
20°	913.2	916.9	918.7	927.0	923.3	928.8	920.5	915.1	916.9	923.3	920.5
22.5°	890.4	895.8	896.8	905.9	901.3	906.8	898.6	894.0	896.8	903.2	900.4
25°	866.6	872.1	873.0	882.1	878.5	883.0	874.8	870.2	873.9	880.3	878.5
27.5°	840.9	846.4	848.3	856.5	852.8	858.3	849.2	846.4	850.1	856.5	854.7
30°	813.5	819.0	819.9	828.1	825.4	830.9	822.6	819.0	824.5	830.9	829.0
32.5°	784.2	789.7	792.4	799.8	797.0	801.6	794.3	792.4	797.0	803.4	802.5
35°	754.0	759.5	762.2	770.5	766.8	771.4	764.1	762.2	769.6	774.1	774.1
37.5°	722.9	728.4	731.1	739.4	734.8	740.3	733.0	732.0	740.3	744.9	744.9
40°	690.0	696.4	699.1	706.4	702.8	707.3	700.9	701.9	709.2	714.7	715.6
42.5°	657.0	663.4	666.2	674.4	669.8	674.4	668.9	669.8	678.1	683.5	688.1
45°	623.2	628.6	631.4	640.5	635.1	640.5	635.1	636.9	645.1	653.4	658.8
47.5°	587.5	593.0	597.5	604.9	600.3	604.9	601.2	603.9	614.0	622.2	629.6
50°	551.8	557.3	561.8	568.3	563.7	570.1	565.5	569.2	582.0	590.2	598.4
52.5°	515.2	519.8	527.1	530.7	527.1	534.4	530.7	536.2	549.0	559.1	568.3
55°	478.6	483.2	490.5	493.2	489.6	497.8	495.0	502.4	516.1	527.1	537.1
57.5°	441.1	445.6	452.0	454.8	452.0	461.2	460.3	468.5	482.2	494.1	505.1
60°	402.6	407.2	412.7	415.4	415.4	424.6	424.6	434.7	449.3	460.3	473.1
62.5°	365.1	367.9	373.3	377.0	379.7	388.9	388.9	399.9	415.4	428.2	441.1
65°	325.8	328.5	333.1	337.7	342.2	352.3	353.2	365.1	380.7	393.5	408.1
67.5°	286.4	289.2	293.7	299.2	305.6	315.7	317.5	330.3	346.8	361.4	375.2
70°	248.0	248.9	254.4	261.7	269.0	279.1	281.8	295.6	313.0	327.6	342.2
72.5°	209.5	210.5	216.0	225.1	233.3	244.3	248.0	262.6	280.0	294.6	309.3
75°	171.1	172.0	179.4	190.3	199.5	209.5	214.1	229.7	247.1	262.6	279.1
77.5°	134.5	136.3	143.7	154.6	165.6	177.5	182.1	197.7	216.9	231.5	247.1
80°	100.7	102.5	110.7	122.6	134.5	145.5	151.0	166.5	186.7	201.3	218.7
82.5°	69.5	72.3	82.4	95.2	107.1	119.0	124.4	139.1	157.4	173.9	190.3
85°	43.0	46.7	56.7	70.5	83.3	94.3	99.7	115.3	132.7	148.2	163.8
87.5°	20.1	25.6	35.7	49.4	63.1	72.3	78.7	94.3	110.7	126.3	141.8
90°	0.0	8.2	18.3	32.0	45.8	54.0	61.3	75.9	92.4	107.1	121.7
92.5°	1.8	9.2	20.1	32.9	46.7	54.9	62.2	76.9	92.4	107.1	121.7
95°	4.6	10.1	21.0	34.8	48.5	56.7	63.1	77.8	93.3	108.0	121.7
97.5°	8.2	12.8	23.8	36.6	50.3	57.6	65.0	79.6	94.3	108.9	122.6
100°	11.0	14.6	25.6	38.4	52.2	59.5	66.8	80.5	95.2	109.8	122.6
102.5°	13.7	18.3	28.4	40.3	54.0	61.3	67.7	81.4	96.1	109.8	122.6
105°	17.4	21.0	30.2	43.0	55.8	63.1	69.5	83.3	97.0	110.7	122.6
107.5°	21.0	23.8	32.9	44.8	57.6	64.1	70.5	84.2	97.9	110.7	122.6
110°	25.6	27.5	35.7	46.7	58.6	65.9	72.3	85.1	97.9	110.7	122.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	30.2	30.2	38.4	48.5	60.4	66.8	73.2	86.0	98.8	110.7	122.6
115°	33.9	34.8	41.2	50.3	62.2	68.6	74.1	86.0	98.8	110.7	121.7
117.5°	38.4	38.4	44.8	52.2	63.1	69.5	75.9	86.9	98.8	109.8	120.8
120°	43.0	42.1	47.6	54.9	65.0	70.5	76.9	87.8	98.8	109.8	119.9
122.5°	47.6	45.8	49.4	56.7	65.9	72.3	76.9	87.8	98.8	108.9	119.0
125°	51.2	49.4	52.2	59.5	67.7	73.2	77.8	87.8	98.8	108.0	118.0
127.5°	54.9	53.1	55.8	61.3	68.6	73.2	78.7	87.8	98.8	107.1	116.2
130°	58.6	55.8	59.5	63.1	70.5	74.1	78.7	87.8	97.9	106.1	114.4
132.5°	61.3	58.6	62.2	65.0	71.4	75.0	79.6	87.8	97.0	105.2	113.5
135°	63.1	60.4	65.0	66.8	73.2	76.9	80.5	87.8	96.1	104.3	111.6
137.5°	65.0	61.3	66.8	68.6	74.1	77.8	80.5	86.9	95.2	102.5	109.8
140°	65.9	63.1	68.6	70.5	73.2	76.9	80.5	86.0	93.3	100.7	107.1
142.5°	66.8	63.1	69.5	71.4	73.2	75.9	79.6	84.2	91.5	97.9	104.3
145°	66.8	64.1	69.5	71.4	73.2	75.0	77.8	83.3	88.8	94.3	100.7
147.5°	66.8	65.0	70.5	72.3	74.1	74.1	75.9	81.4	86.0	91.5	97.0
150°	67.7	65.0	70.5	72.3	75.0	75.0	75.9	78.7	84.2	87.8	92.4
152.5°	66.8	65.9	69.5	73.2	75.0	75.9	75.9	76.9	81.4	85.1	88.8
155°	67.7	67.7	70.5	75.0	75.9	75.9	76.9	75.9	77.8	81.4	85.1
157.5°	69.5	71.4	71.4	75.9	77.8	77.8	78.7	77.8	76.9	77.8	81.4
160°	72.3	74.1	74.1	76.9	79.6	79.6	80.5	79.6	78.7	77.8	77.8
162.5°	75.0	76.9	76.9	77.8	80.5	81.4	82.4	81.4	80.5	78.7	77.8
165°	77.8	79.6	79.6	79.6	81.4	82.4	83.3	82.4	82.4	80.5	79.6
167.5°	80.5	82.4	82.4	81.4	82.4	83.3	84.2	83.3	83.3	82.4	80.5
170°	83.3	85.1	85.1	83.3	84.2	84.2	85.1	84.2	84.2	82.4	81.4
172.5°	85.1	86.9	86.0	85.1	85.1	85.1	85.1	84.2	83.3	81.4	81.4
175°	86.0	87.8	87.8	86.0	85.1	85.1	86.0	84.2	83.3	82.4	80.5
177.5°	86.0	87.8	87.8	86.0	86.0	85.1	86.0	85.1	85.1	83.3	81.4
180°	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0	1002.0
2.5°	998.3	997.4	991.9	998.3	998.3	996.5	1003.8	1002.9	1002.0	1000.2
5°	994.7	993.8	988.3	994.7	994.7	993.8	1001.1	1002.0	1002.9	1001.1
7.5°	989.2	988.3	982.8	989.2	989.2	988.3	996.5	997.4	998.3	995.6
10°	980.9	980.0	974.5	980.9	981.9	980.9	987.3	988.3	990.1	986.4
12.5°	970.0	970.0	964.5	970.9	971.8	970.9	977.3	979.1	980.9	976.4
15°	956.2	957.2	952.6	959.0	959.9	959.9	966.3	967.2	970.0	963.6
17.5°	939.8	941.6	937.9	944.3	945.3	946.2	949.8	952.6	955.3	948.0
20°	922.4	923.3	920.5	926.0	927.9	927.0	931.5	935.2	937.9	930.6
22.5°	901.3	902.2	899.5	905.0	906.8	907.7	911.4	916.0	917.8	911.4
25°	877.5	881.2	879.4	884.9	886.7	886.7	890.4	894.9	897.7	888.5
27.5°	854.7	859.2	857.4	862.9	864.7	865.6	867.5	873.0	875.7	867.5
30°	829.0	834.5	833.6	839.1	840.9	840.0	843.7	849.2	852.8	843.7
32.5°	800.7	808.0	807.1	814.4	816.2	817.1	819.9	827.2	830.9	822.6
35°	773.2	781.5	782.4	790.6	793.4	794.3	797.9	805.3	808.9	800.7
37.5°	744.9	755.8	758.6	766.8	769.6	770.5	774.1	782.4	786.0	777.8
40°	717.4	730.2	733.9	741.2	743.9	746.7	749.4	757.7	762.2	754.0
42.5°	690.0	703.7	708.3	715.6	718.3	721.1	724.7	733.9	737.5	730.2
45°	661.6	676.2	681.7	689.0	692.7	695.4	699.1	707.3	711.9	704.6
47.5°	633.2	647.9	653.4	661.6	665.2	668.9	671.7	681.7	686.3	679.0
50°	603.0	619.5	625.9	633.2	638.7	641.5	645.1	654.3	658.8	652.4
52.5°	572.8	590.2	597.5	604.9	610.3	614.9	616.8	626.8	631.4	625.0
55°	541.7	559.1	567.3	575.6	581.1	586.6	588.4	598.4	603.0	593.9
57.5°	510.6	528.9	537.1	546.3	550.9	557.3	560.0	569.2	573.7	567.3
60°	479.5	496.9	506.9	515.2	521.6	527.1	528.9	539.0	543.5	535.3
62.5°	447.5	465.8	475.8	485.0	490.5	496.9	499.6	508.8	512.4	504.2
65°	414.5	432.8	443.8	452.0	459.4	464.9	466.7	476.7	480.4	472.2
67.5°	381.6	399.9	411.8	420.9	427.3	433.7	435.6	445.6	449.3	442.9
70°	349.6	367.9	379.7	390.7	395.3	401.7	404.5	413.6	417.3	411.8
72.5°	317.5	335.8	348.6	359.6	364.2	370.6	374.3	381.6	387.1	382.5
75°	286.4	304.7	317.5	328.5	333.1	339.5	343.1	350.5	354.1	350.5
77.5°	256.2	274.5	286.4	297.4	302.9	308.4	312.0	319.4	323.9	320.3
80°	226.9	245.2	257.1	267.2	272.7	278.2	281.8	290.1	293.7	291.0
82.5°	199.5	216.9	229.7	239.7	245.2	250.7	254.4	261.7	266.3	262.6
85°	174.8	192.2	204.1	214.1	218.7	224.2	227.8	235.2	238.8	237.0
87.5°	151.0	166.5	180.3	190.3	194.9	200.4	205.0	210.5	215.0	212.3
90°	132.7	146.4	159.2	169.3	174.8	180.3	185.8	191.2	194.9	193.1
92.5°	133.6	146.4	158.3	167.5	172.9	178.4	183.9	190.3	193.1	191.2
95°	133.6	146.4	158.3	167.5	172.9	178.4	183.9	190.3	193.1	191.2
97.5°	133.6	146.4	158.3	167.5	172.9	178.4	183.9	190.3	193.1	190.3
100°	133.6	146.4	158.3	167.5	172.9	177.5	183.0	189.4	192.2	190.3
102.5°	133.6	146.4	157.4	166.5	172.0	176.6	182.1	188.5	191.2	189.4
105°	133.6	145.5	157.4	165.6	171.1	175.7	181.2	186.7	189.4	187.6
107.5°	132.7	144.6	155.6	164.7	169.3	173.9	179.4	184.8	187.6	185.8
110°	132.7	143.7	154.6	162.9	167.5	172.0	177.5	183.0	185.8	183.9



TEST NUMBER: P895406

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	131.8	142.7	153.7	161.1	165.6	170.2	174.8	181.2	183.9	182.1
115°	130.9	141.8	151.9	159.2	163.8	167.5	172.9	179.4	181.2	180.3
117.5°	129.9	140.0	150.1	157.4	162.0	165.6	170.2	175.7	178.4	177.5
120°	129.0	138.2	148.2	154.6	159.2	162.9	166.5	172.0	174.8	172.9
122.5°	127.2	136.3	146.4	152.8	156.5	160.1	163.8	168.4	171.1	170.2
125°	125.4	134.5	143.7	150.1	153.7	156.5	160.1	164.7	166.5	165.6
127.5°	123.5	132.7	140.9	146.4	151.0	153.7	156.5	161.1	162.9	162.0
130°	121.7	129.9	138.2	143.7	147.3	150.1	152.8	157.4	158.3	158.3
132.5°	119.9	127.2	135.4	140.9	144.6	146.4	149.2	152.8	154.6	153.7
135°	118.0	124.4	132.7	137.3	140.0	142.7	145.5	149.2	150.1	150.1
137.5°	115.3	121.7	129.0	133.6	136.3	138.2	140.9	144.6	145.5	145.5
140°	112.6	119.0	125.4	129.0	132.7	134.5	136.3	140.0	140.9	140.9
142.5°	109.8	115.3	121.7	125.4	129.0	129.9	132.7	135.4	136.3	136.3
145°	106.1	112.6	118.0	121.7	124.4	125.4	128.1	130.9	130.9	131.8
147.5°	101.6	107.1	114.4	117.1	119.9	120.8	123.5	125.4	126.3	126.3
150°	97.0	102.5	108.9	113.5	116.2	117.1	118.0	120.8	120.8	121.7
152.5°	92.4	97.0	103.4	108.0	111.6	112.6	113.5	115.3	115.3	116.2
155°	87.8	91.5	97.0	101.6	105.2	107.1	108.9	110.7	110.7	111.6
157.5°	84.2	87.8	92.4	96.1	98.8	101.6	104.3	106.1	106.1	106.1
160°	79.6	82.4	86.9	89.7	93.3	95.2	99.7	101.6	101.6	102.5
162.5°	76.9	77.8	80.5	83.3	86.0	87.8	92.4	97.0	97.0	97.9
165°	77.8	76.9	77.8	78.7	80.5	81.4	84.2	90.6	92.4	93.3
167.5°	79.6	76.9	76.9	76.9	78.7	78.7	81.4	85.1	91.5	89.7
170°	79.6	76.9	75.0	75.0	75.9	75.0	76.9	79.6	83.3	86.9
172.5°	80.5	77.8	75.0	71.4	72.3	71.4	69.5	69.5	70.5	82.4
175°	79.6	77.8	74.1	69.5	68.6	65.9	60.4	55.8	53.1	41.2
177.5°	78.7	75.9	73.2	69.5	67.7	65.0	58.6	51.2	43.9	42.1
180°	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0



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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	12.11	13.43	12.73	14.07	14.79	14.74	16.06	15.36	16.70	17.42
	3H	13.52	14.72	14.15	15.36	16.12	17.21	18.41	17.83	19.05	19.80
	4H	13.95	15.08	14.59	15.74	16.51	18.37	19.51	19.02	20.17	20.93
	6H	14.18	15.24	14.84	15.90	16.69	19.55	20.61	20.21	21.28	22.06
	8H	14.22	15.24	14.90	15.92	16.71	20.15	21.16	20.82	21.84	22.63
	12H	14.23	15.20	14.91	15.88	16.70	20.78	21.75	21.46	22.43	23.25
4H	2H	13.02	14.15	13.67	14.81	15.58	15.09	16.23	15.74	16.88	17.65
	3H	14.64	15.61	15.30	16.30	17.09	17.75	18.72	18.41	19.41	20.20
	4H	15.19	16.08	15.87	16.78	17.59	19.07	19.95	19.75	20.65	21.47
	6H	15.53	16.31	16.23	17.03	17.86	20.42	21.20	21.12	21.92	22.75
	8H	15.61	16.34	16.31	17.06	17.90	21.11	21.84	21.81	22.56	23.40
	12H	15.64	16.30	16.36	17.04	17.89	21.86	22.52	22.59	23.27	24.11
8H	4H	15.86	16.59	16.56	17.31	18.15	19.22	19.95	19.92	20.67	21.51
	6H	16.36	16.98	17.09	17.74	18.58	20.71	21.33	21.44	22.09	22.93
	8H	16.52	17.07	17.26	17.83	18.69	21.52	22.07	22.26	22.84	23.69
	12H	16.61	17.10	17.35	17.85	18.77	22.43	22.92	23.18	23.68	24.59
12H	4H	16.03	16.69	16.75	17.43	18.28	19.21	19.87	19.93	20.61	21.46
	6H	16.63	17.18	17.37	17.94	18.80	20.73	21.28	21.47	22.04	22.90
	8H	16.86	17.35	17.61	18.11	19.02	21.59	22.08	22.33	22.83	23.75