

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: P895041

Luminaire Tested: 8TMB-4SL-RND-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895041
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-4SL-RND-UNV-L930
Description: 4000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

Summary

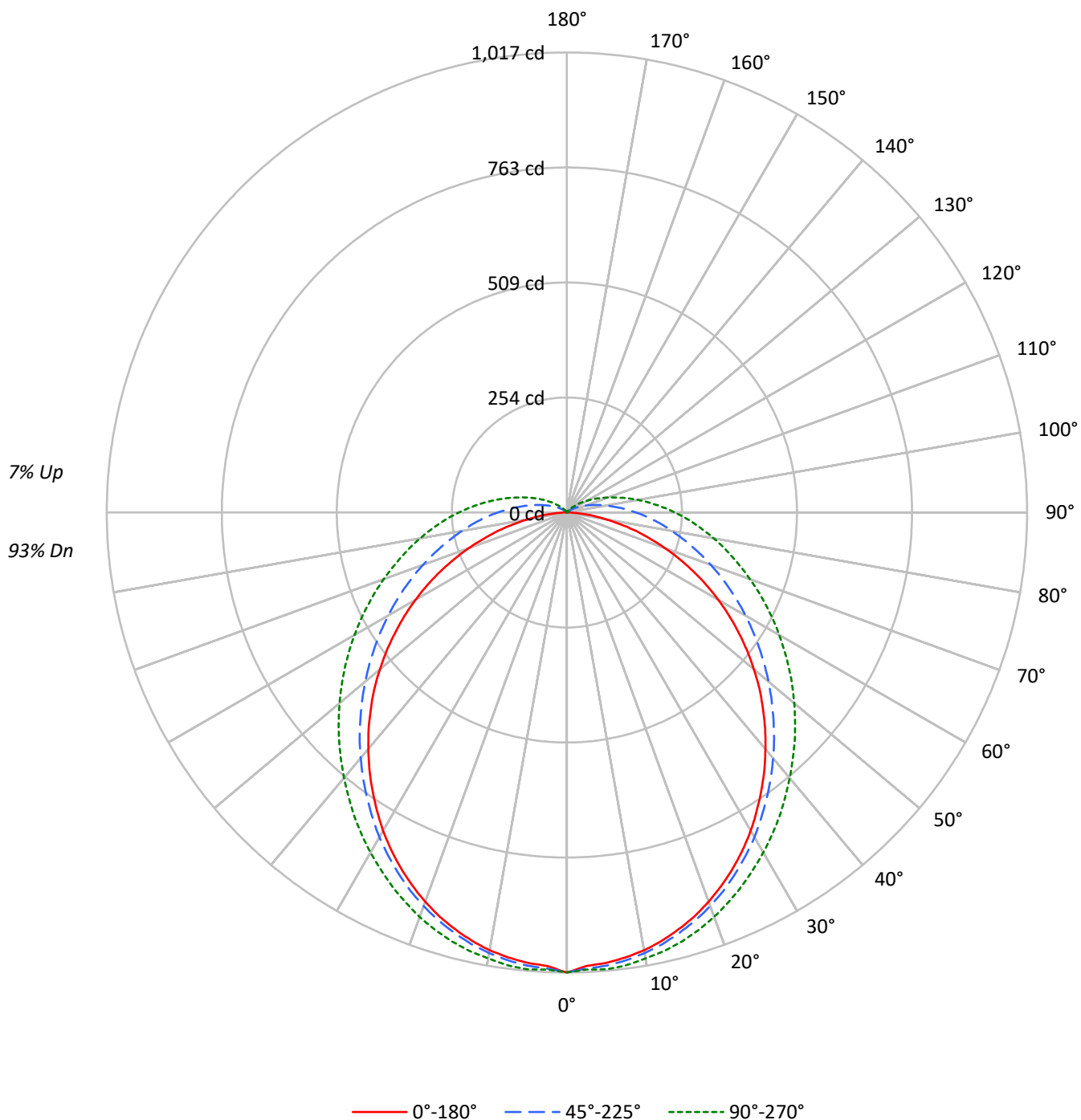
Lumens per Lamp: N/A
Luminaire Lumens: 3366.0 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (Ain): 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
RCR																				
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	74	74	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	60	60	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	50	50	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	43	43	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	37	37	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	32	32	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	28	28	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	25	25	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	23	23	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	20	20	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3608	3608	3608
5°	3559	3582	3610
10°	3540	3563	3606
15°	3504	3533	3606
20°	3458	3497	3593
25°	3398	3448	3573
30°	3328	3396	3556
35°	3246	3336	3550
40°	3162	3283	3549
45°	3074	3237	3573
50°	2977	3210	3619
55°	2869	3204	3706
60°	2744	3235	3845
65°	2592	3320	4074
70°	2402	3507	4465
75°	2170	3904	5181
80°	1837	4812	6731
85°	1490	7837	11529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 21231 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	2.9
10°-20°	274.0	8.1
20°-30°	410.2	12.2
30°-40°	489.2	14.5
40°-50°	507.3	15.1
50°-60°	470.7	14.0
60°-70°	392.6	11.7
70°-80°	292.7	8.7
80°-90°	194.9	5.8
90°-100°	118.7	3.5
100°-110°	66.3	2.0
110°-120°	33.1	1.0
120°-130°	13.8	0.4
130°-140°	4.4	0.1
140°-150°	1.1	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	780.4	23.2
0°-40°	1269.5	37.7
0°-60°	2247.5	66.8
0°-90°	3127.8	92.9
90°-120°	218.0	6.5
90°-150°	237.3	7.1
90°-180°	238.0	7.1
0°-180°	3366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1017	1017	1017	1017	1017	
5°	999	1022	1006	1011	1014	95
15°	954	979	962	979	982	269
25°	868	891	881	905	913	400
35°	750	769	770	808	820	469
45°	613	628	645	696	712	473
55°	464	480	518	578	599	415
65°	309	333	395	462	485	306
75°	158	202	285	354	378	167
85°	37	100	192	259	283	41
90°	2	66	153	216	239	3
95°	0	41	118	177	197	0
105°	0	13	64	109	126	0
115°	1	3	30	61	73	1
125°	1	1	12	29	37	1
135°	1	1	3	10	14	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°	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8
2.5°	1003.3	1004.8	1019.2	1018.4	1016.0	1025.5	1027.9	1020.0	1007.2	1020.0	1008.8
5°	999.3	1000.9	1015.2	1014.4	1012.0	1022.3	1023.1	1016.0	1003.3	1016.0	1005.6
7.5°	992.1	993.7	1008.0	1007.2	1005.6	1016.0	1015.2	1009.6	996.1	1009.6	998.5
10°	982.6	983.4	998.5	996.9	996.1	1006.4	1004.1	999.3	985.8	999.3	988.9
12.5°	969.8	970.6	985.8	984.2	984.2	993.7	990.5	986.5	973.0	985.8	977.0
15°	953.9	954.7	969.0	968.2	968.2	978.6	973.8	970.6	957.9	971.4	961.9
17.5°	936.4	935.6	950.7	949.2	950.7	960.3	953.9	952.3	940.4	953.1	945.2
20°	915.7	915.7	929.3	928.5	930.9	939.6	931.7	932.4	920.5	934.0	926.1
22.5°	892.7	891.9	905.4	905.4	907.8	916.5	907.8	910.2	898.2	911.0	904.6
25°	868.0	866.4	879.9	879.9	883.9	891.1	881.5	884.7	873.6	886.3	880.7
27.5°	841.0	838.6	852.1	852.9	856.1	863.2	852.9	857.7	847.3	859.3	855.3
30°	812.3	809.9	823.4	824.2	828.2	833.8	823.4	829.8	820.3	832.2	829.0
32.5°	781.3	779.7	792.4	794.0	798.0	802.0	792.4	798.8	790.8	802.8	799.6
35°	749.5	747.9	759.8	762.2	766.2	769.3	759.0	767.8	760.6	771.7	770.1
37.5°	716.8	714.5	727.2	728.8	733.5	735.1	725.6	735.9	729.6	740.7	739.9
40°	682.6	680.2	693.0	694.6	699.3	699.3	691.4	702.5	697.7	708.1	708.9
42.5°	648.4	646.0	657.2	660.4	664.3	664.3	656.4	668.3	665.1	675.5	677.9
45°	612.6	610.2	620.6	623.8	628.5	628.5	620.6	634.1	631.7	642.1	645.2
47.5°	577.6	574.4	584.0	587.2	591.9	591.1	584.8	598.3	597.5	607.8	613.4
50°	539.4	537.0	546.6	549.8	555.3	553.7	549.0	563.3	563.3	573.6	581.6
52.5°	502.0	499.6	509.2	512.4	517.1	517.1	512.4	527.5	529.9	540.2	549.8
55°	463.8	460.7	470.2	473.4	479.0	479.7	475.8	490.9	495.7	507.6	517.9
57.5°	425.6	424.1	432.0	435.2	442.4	442.4	440.0	455.9	462.2	475.0	486.9
60°	386.7	385.1	392.2	396.2	404.2	405.8	404.2	420.9	429.6	442.4	455.9
62.5°	347.7	346.1	353.2	358.8	367.6	369.2	370.0	387.5	397.0	410.5	425.6
65°	308.7	307.1	314.3	320.6	331.0	333.4	335.7	354.0	365.2	379.5	395.4
67.5°	269.7	268.9	276.1	284.0	295.2	298.4	302.3	321.4	334.2	349.3	366.8
70°	231.5	230.7	237.9	247.4	261.0	264.9	269.7	288.8	304.7	320.6	338.1
72.5°	193.3	194.1	202.1	213.2	228.3	232.3	238.7	258.6	276.1	292.8	311.1
75°	158.3	158.3	167.1	179.8	196.5	202.1	209.2	229.9	248.2	265.7	284.8
77.5°	122.5	122.5	132.9	148.8	167.1	172.6	181.4	202.9	222.8	240.3	259.4
80°	89.9	91.5	103.4	119.3	138.4	145.6	155.9	177.4	198.9	216.4	235.5
82.5°	61.3	63.6	76.4	94.7	113.8	120.9	131.3	154.3	175.8	194.1	214.0
85°	36.6	40.6	54.1	72.4	92.3	100.2	111.4	132.9	154.3	172.6	192.5
87.5°	16.7	22.3	36.6	54.9	74.0	82.7	92.3	113.0	134.5	152.8	173.4
90°	1.6	9.5	23.9	39.8	58.1	66.0	75.6	95.5	116.2	132.9	152.8
92.5°	0.0	4.0	14.3	28.6	44.6	52.5	61.3	80.4	98.7	115.4	134.5
95°	0.0	1.6	8.0	19.9	33.4	40.6	48.5	66.0	84.3	100.2	117.7
97.5°	0.0	0.8	4.8	13.5	24.7	31.0	38.2	54.1	70.8	85.9	101.8
100°	0.0	0.8	2.4	8.8	18.3	23.1	30.2	43.8	58.9	72.4	88.3
102.5°	0.0	0.0	1.6	5.6	13.5	17.5	23.1	35.0	48.5	61.3	75.6
105°	0.0	0.0	0.8	4.0	9.5	12.7	17.5	27.8	39.8	50.9	64.4
107.5°	0.0	0.0	0.8	2.4	6.4	9.5	13.5	21.5	31.8	42.2	54.1
110°	0.8	0.8	0.8	1.6	4.8	7.2	9.5	16.7	26.3	35.0	45.3

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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	3.2	4.8	7.2	12.7	20.7	27.8	37.4
115°	0.8	0.8	0.8	0.8	2.4	3.2	4.8	9.5	15.9	22.3	30.2
117.5°	0.8	0.8	0.8	0.8	1.6	2.4	3.2	7.2	11.9	17.5	24.7
120°	0.8	0.8	0.8	0.8	0.8	1.6	2.4	4.8	9.5	13.5	19.9
122.5°	0.8	0.8	0.8	0.8	0.8	1.6	1.6	4.0	7.2	10.3	15.1
125°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	4.8	8.0	11.9
127.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2	5.6	8.8
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	4.0	6.4
132.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2	4.8
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	2.4
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
145°	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
155°	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8
170°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
172.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8
175°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
177.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8	1016.8
2.5°	1012.0	1014.4	1016.8	1010.4	1014.4	1021.6	1023.9	1014.4	1017.6	1011.2
5°	1008.8	1010.4	1013.6	1005.6	1011.2	1017.6	1021.6	1013.6	1018.4	1013.6
7.5°	1002.5	1004.1	1008.0	1000.1	1007.2	1012.8	1017.6	1009.6	1014.4	1009.6
10°	992.9	995.3	1000.9	991.3	1000.1	1004.8	1009.6	1000.9	1005.6	1000.9
12.5°	981.0	985.0	989.7	981.0	989.7	993.7	1000.1	991.3	996.9	992.9
15°	966.7	970.6	977.0	968.2	979.4	982.6	988.9	980.2	985.8	981.8
17.5°	949.9	954.7	962.7	952.3	965.1	967.5	973.8	965.9	971.4	967.5
20°	930.9	935.6	943.6	934.0	946.8	948.4	955.5	948.4	953.9	951.5
22.5°	908.6	914.1	922.1	913.4	926.9	926.9	935.6	928.5	934.8	932.4
25°	885.5	891.9	900.6	891.1	905.4	905.4	914.9	907.8	914.1	912.6
27.5°	860.8	868.0	878.3	868.8	883.1	882.3	891.9	885.5	892.7	890.3
30°	834.6	842.5	852.9	844.9	860.0	858.5	868.0	862.4	868.8	868.0
32.5°	805.9	814.7	827.4	818.7	833.8	832.2	844.1	837.8	845.7	844.1
35°	777.3	786.9	799.6	791.6	808.3	805.9	817.9	812.3	820.3	819.5
37.5°	747.9	758.2	770.9	764.6	780.5	778.1	790.8	786.1	794.8	792.4
40°	717.6	728.0	741.5	735.9	752.6	749.5	763.0	759.0	767.8	766.2
42.5°	687.4	698.5	712.1	708.9	724.8	721.6	735.1	732.0	740.7	739.1
45°	656.4	668.3	682.6	679.4	696.2	693.0	706.5	704.1	712.9	712.1
47.5°	625.3	638.1	652.4	650.8	666.7	663.5	677.9	675.5	684.2	684.2
50°	593.5	607.8	622.2	621.4	637.3	634.1	646.8	646.8	656.4	655.6
52.5°	561.7	576.8	591.9	591.9	607.8	604.7	619.0	618.2	627.7	627.7
55°	531.5	545.0	560.1	563.3	578.4	573.6	588.7	590.3	598.3	599.1
57.5°	501.2	515.6	530.7	534.6	549.0	545.8	560.1	561.7	569.7	570.4
60°	471.0	484.5	499.6	505.2	519.5	516.3	530.7	532.3	541.0	541.8
62.5°	440.8	454.3	471.0	476.6	490.1	487.7	502.8	504.4	512.4	514.0
65°	411.3	425.6	441.6	449.5	462.2	459.1	474.2	475.8	484.5	485.3
67.5°	382.7	397.0	412.9	421.7	433.6	432.0	446.3	449.5	456.7	458.3
70°	354.8	369.2	385.9	394.6	406.6	405.8	419.3	421.7	429.6	430.4
72.5°	327.8	342.1	358.8	369.2	379.5	378.7	392.2	395.4	403.4	404.2
75°	301.5	316.6	332.6	343.7	354.0	353.2	366.8	370.0	377.1	377.9
77.5°	276.9	292.0	308.7	319.8	328.6	329.4	341.3	344.5	351.7	354.0
80°	253.8	268.1	284.0	296.0	303.9	305.5	316.6	320.6	326.2	329.4
82.5°	231.5	245.8	261.8	272.9	280.8	282.4	292.8	297.6	303.1	305.5
85°	210.0	224.4	239.5	251.4	258.6	259.4	269.7	274.5	279.3	283.2
87.5°	189.4	203.7	218.0	230.7	237.1	238.7	248.2	253.0	257.0	261.0
90°	168.7	183.0	197.3	209.2	215.6	216.4	226.7	231.5	235.5	238.7
92.5°	149.6	163.9	178.2	190.1	195.7	197.3	206.1	211.6	214.8	218.0
95°	131.3	145.6	158.3	171.1	176.6	179.0	187.0	191.7	195.7	197.3
97.5°	115.4	128.1	140.0	152.8	157.5	159.9	167.9	173.4	176.6	178.2
100°	100.2	112.2	123.3	135.3	140.0	142.4	149.6	154.3	157.5	159.9
102.5°	86.7	97.9	108.2	119.3	124.1	125.7	132.1	136.8	140.0	142.4
105°	74.8	85.1	94.7	105.0	109.0	111.4	117.0	120.9	124.1	125.7
107.5°	63.6	74.0	81.9	91.5	95.5	97.1	102.6	107.4	109.8	110.6
110°	54.1	62.9	70.8	78.8	83.5	85.1	89.9	93.9	96.3	97.1

TEST NUMBER: P895041

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	45.3	53.3	60.5	67.6	71.6	73.2	78.0	81.9	83.5	84.3
115°	37.4	45.3	50.9	58.1	61.3	62.9	66.8	70.8	71.6	73.2
117.5°	30.2	37.4	43.0	48.5	51.7	53.3	56.5	59.7	61.3	62.1
120°	24.7	30.2	35.0	40.6	43.0	44.6	47.7	50.9	51.7	52.5
122.5°	19.9	24.7	28.6	33.4	35.8	37.4	39.8	42.2	43.0	43.8
125°	15.1	19.9	23.1	27.1	29.4	30.2	32.6	35.0	35.8	36.6
127.5°	11.9	15.1	18.3	21.5	23.1	23.9	26.3	27.8	28.6	29.4
130°	8.8	11.1	13.5	16.7	18.3	19.1	20.7	22.3	23.1	23.1
132.5°	6.4	8.8	10.3	12.7	13.5	14.3	15.9	17.5	17.5	18.3
135°	4.0	5.6	7.2	8.8	10.3	10.3	11.9	12.7	13.5	13.5
137.5°	3.2	4.0	4.8	6.4	7.2	8.0	8.0	9.5	9.5	9.5
140°	2.4	3.2	3.2	4.0	4.8	5.6	5.6	6.4	6.4	6.4
142.5°	1.6	2.4	2.4	3.2	3.2	4.0	4.0	4.0	4.8	4.8
145°	1.6	1.6	1.6	2.4	2.4	2.4	2.4	3.2	3.2	3.2
147.5°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4
150°	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

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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	14.75	16.28	15.22	16.74	17.23	16.32	17.85	16.79	18.31	18.80
	3H	16.42	17.83	16.91	18.29	18.82	18.94	20.35	19.43	20.81	21.34
	4H	17.02	18.35	17.52	18.84	19.38	20.25	21.58	20.76	22.07	22.61
	6H	17.42	18.66	17.94	19.16	19.71	21.66	22.90	22.18	23.40	23.95
	8H	17.53	18.72	18.06	19.24	19.81	22.41	23.60	22.94	24.12	24.68
	12H	17.61	18.75	18.15	19.27	19.86	23.26	24.40	23.79	24.91	25.51
4H	2H	15.67	17.00	16.18	17.49	18.03	16.87	18.20	17.37	18.68	19.22
	3H	17.65	18.79	18.17	19.32	19.88	19.78	20.92	20.30	21.45	22.01
	4H	18.43	19.47	18.96	20.01	20.60	21.31	22.35	21.85	22.89	23.48
	6H	19.01	19.93	19.56	20.49	21.10	22.95	23.87	23.51	24.44	25.05
	8H	19.19	20.06	19.75	20.62	21.24	23.83	24.70	24.39	25.26	25.89
	12H	19.31	20.10	19.90	20.69	21.32	24.84	25.62	25.42	26.22	26.84
8H	4H	19.31	20.17	19.87	20.74	21.36	21.67	22.54	22.23	23.10	23.72
	6H	20.19	20.92	20.78	21.53	22.16	23.57	24.31	24.16	24.91	25.54
	8H	20.54	21.20	21.14	21.82	22.46	24.65	25.32	25.26	25.94	26.58
	12H	20.81	21.40	21.42	22.01	22.71	25.92	26.51	26.53	27.12	27.82
12H	4H	19.58	20.37	20.17	20.96	21.59	21.71	22.50	22.29	23.09	23.72
	6H	20.64	21.30	21.24	21.92	22.56	23.68	24.35	24.29	24.96	25.60
	8H	21.16	21.75	21.76	22.36	23.06	24.88	25.47	25.48	26.08	26.78