

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: P895525

Luminaire Tested: 8TMB-SC3-RNDU-UNV-CC93-LOW-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895525
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-CC93-LOW-5000K
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 50
CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

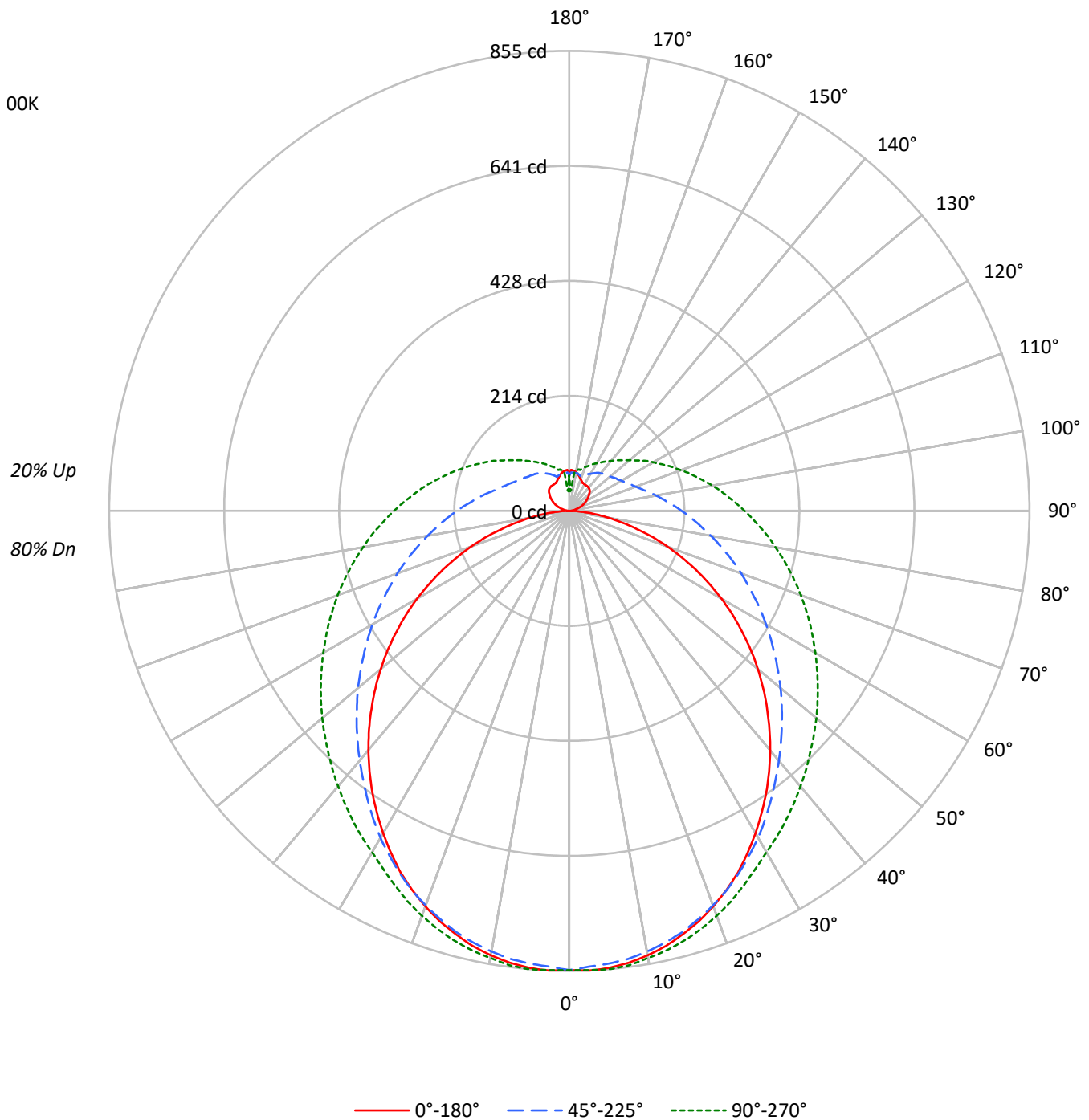
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3590.0 lumens
Efficiency: N/A
Efficacy: 107.2 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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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°	3028	3028	3028
5°	3030	2905	2907
10°	3009	2796	2772
15°	2971	2685	2648
20°	2925	2567	2521
25°	2868	2449	2393
30°	2793	2329	2280
35°	2715	2205	2197
40°	2632	2093	2121
45°	2542	1994	2053
50°	2448	1906	2001
55°	2339	1826	1956
60°	2217	1760	1922
65°	2066	1702	1903
70°	1879	1669	1896
75°	1623	1647	1905
80°	1315	1653	1935
85°	916	1706	1998

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2542 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	2.2
10°-20°	230.3	6.4
20°-30°	345.7	9.6
30°-40°	415.7	11.6
40°-50°	440.5	12.3
50°-60°	424.2	11.8
60°-70°	375.4	10.5
70°-80°	307.9	8.6
80°-90°	238.9	6.7
90°-100°	185.4	5.2
100°-110°	146.9	4.1
110°-120°	117.1	3.3
120°-130°	93.0	2.6
130°-140°	72.6	2.0
140°-150°	53.4	1.5
150°-160°	35.3	1.0
160°-170°	20.3	0.6
170°-180°	6.5	0.2
0°-30°	656.7	18.3
0°-40°	1072.5	29.9
0°-60°	1937.1	54.0
0°-90°	2859.3	79.6
90°-120°	449.4	12.5
90°-150°	668.5	18.6
90°-180°	731.0	20.4
0°-180°	3590.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	853	854	845	851	855	81
15°	814	815	810	823	827	230
25°	742	744	744	763	767	341
35°	638	646	654	688	702	399
45°	520	532	559	612	633	401
55°	392	412	466	535	564	351
65°	260	296	379	459	493	257
75°	130	195	302	387	423	139
85°	29	118	236	322	356	33
90°	1	93	209	292	326	2
95°	4	76	184	264	296	4
105°	15	62	145	216	244	16
115°	29	59	121	176	200	29
125°	42	62	106	145	163	38
135°	54	66	95	122	133	41
145°	57	65	86	105	111	36
155°	58	67	74	89	94	27
165°	68	72	70	70	79	19
175°	76	75	72	59	40	7
180°	66	66	66	66	66	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5
2.5°	855.2	854.3	856.0	857.6	862.5	856.0	859.2	850.3	851.1	851.9	847.8
5°	852.7	850.3	852.7	854.3	858.4	853.5	856.8	847.0	847.8	849.5	844.6
7.5°	847.0	844.6	846.2	847.8	851.9	847.0	851.1	841.3	843.0	843.8	839.7
10°	838.9	835.7	837.3	839.7	843.0	838.9	842.2	833.2	834.0	835.7	831.6
12.5°	828.4	825.1	826.7	828.4	832.4	828.4	831.6	822.7	824.3	825.9	821.9
15°	814.5	811.3	812.9	814.5	817.8	815.4	818.6	809.7	811.3	814.5	810.5
17.5°	799.9	795.1	796.7	799.1	802.4	800.7	803.2	795.9	796.7	799.9	795.9
20°	782.1	777.2	778.8	781.3	784.5	783.7	785.3	778.8	780.4	784.5	780.4
22.5°	762.6	757.7	759.3	762.6	765.0	765.0	765.8	760.9	762.6	766.6	763.4
25°	741.5	736.6	738.2	741.5	743.9	743.9	745.5	740.6	743.1	747.1	743.9
27.5°	717.1	714.7	714.7	717.9	719.5	721.2	722.0	717.9	721.2	725.2	722.8
30°	691.9	688.7	690.3	694.4	694.4	697.6	697.6	694.4	698.4	703.3	701.7
32.5°	665.1	662.7	663.5	668.4	668.4	672.4	671.6	670.0	674.1	679.7	678.1
35°	638.3	635.9	636.7	641.6	641.6	646.4	644.8	644.8	648.9	655.4	653.7
37.5°	609.9	608.3	609.1	614.0	614.0	618.8	617.2	618.0	622.9	630.2	629.4
40°	580.7	579.0	580.7	584.7	586.3	590.4	588.8	590.4	596.9	603.4	605.8
42.5°	550.6	549.8	551.4	555.5	557.1	561.2	560.4	562.8	569.3	579.0	582.3
45°	519.8	519.8	521.4	525.4	527.1	531.9	531.1	534.4	542.5	553.0	558.7
47.5°	488.9	489.7	490.5	495.4	495.4	503.5	501.1	505.9	516.5	528.7	535.2
50°	457.2	458.8	459.7	463.7	465.3	472.6	471.0	479.1	490.5	503.5	512.4
52.5°	425.5	427.2	428.8	432.0	433.7	442.6	441.0	451.5	465.3	479.1	488.9
55°	392.2	395.5	396.3	400.4	402.8	411.7	411.7	423.9	438.5	454.0	466.2
57.5°	359.8	363.0	363.8	368.7	371.9	382.5	384.1	397.9	414.2	429.6	444.2
60°	326.5	330.5	331.3	336.2	341.9	353.3	355.7	371.1	389.0	405.2	422.3
62.5°	293.2	297.2	298.9	303.7	312.7	324.0	328.1	346.0	364.6	382.5	401.2
65°	259.9	263.9	266.4	272.9	283.4	295.6	301.3	320.0	341.1	359.8	379.3
67.5°	226.6	231.5	234.7	242.8	256.6	269.6	275.3	296.4	318.3	338.7	359.0
70°	194.1	199.0	203.0	213.6	229.8	242.8	250.1	272.9	295.6	317.5	340.3
72.5°	162.4	167.3	173.0	186.0	203.8	218.5	226.6	250.1	275.3	297.2	320.8
75°	129.9	135.6	142.1	160.0	180.3	194.9	203.8	229.0	255.0	276.9	302.1
77.5°	100.7	106.4	116.1	134.0	156.7	173.0	182.7	209.5	236.3	258.3	284.2
80°	73.9	79.6	92.6	112.1	135.6	151.1	163.2	190.8	218.5	241.2	267.2
82.5°	50.4	56.0	71.5	92.6	117.8	133.2	144.6	173.8	201.4	225.0	250.9
85°	29.2	37.4	53.6	76.3	102.3	117.8	129.1	159.2	186.0	209.5	236.3
87.5°	13.0	22.7	40.6	63.3	89.3	104.0	116.1	143.7	172.2	195.7	222.5
90°	0.8	13.0	31.7	53.6	78.8	92.6	104.0	131.6	158.4	182.7	208.7
92.5°	1.6	8.9	26.0	46.3	69.8	83.6	95.0	121.0	146.2	171.4	196.5
95°	4.1	8.9	22.7	41.4	63.3	76.3	86.9	112.1	135.6	160.0	184.3
97.5°	6.5	9.7	21.9	39.0	58.5	70.7	80.4	104.0	127.5	149.4	173.8
100°	8.9	12.2	21.9	37.4	55.2	66.6	75.5	97.5	119.4	139.7	164.0
102.5°	11.4	14.6	23.6	37.4	53.6	63.3	72.3	92.6	112.9	131.6	154.3
105°	14.6	17.1	25.2	37.4	52.0	61.7	69.0	87.7	107.2	125.1	145.4
107.5°	17.9	19.5	26.8	38.2	52.0	60.1	67.4	84.5	102.3	118.6	138.1
110°	21.9	22.7	29.2	39.8	52.0	59.3	65.8	82.0	98.3	113.7	131.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	25.2	25.2	31.7	41.4	52.0	59.3	65.0	79.6	95.0	108.8	125.9
115°	29.2	29.2	34.1	43.0	52.8	59.3	65.0	78.8	92.6	104.8	121.0
117.5°	32.5	32.5	37.4	44.7	54.4	60.1	65.0	77.2	90.1	101.5	116.1
120°	35.7	35.7	39.0	46.3	55.2	60.9	65.0	76.3	87.7	99.1	112.1
122.5°	39.0	39.0	41.4	48.7	56.0	60.9	65.0	75.5	86.1	95.8	108.0
125°	42.2	42.2	43.9	50.4	57.7	61.7	65.8	75.5	85.3	93.4	105.6
127.5°	45.5	44.7	47.1	52.8	58.5	62.5	66.6	75.5	83.6	91.8	102.3
130°	47.9	47.1	50.4	54.4	60.1	63.3	66.6	74.7	82.8	90.1	99.1
132.5°	51.2	49.5	53.6	55.2	61.7	65.0	67.4	74.7	82.0	88.5	97.5
135°	53.6	52.0	56.0	57.7	62.5	65.8	68.2	74.7	81.2	87.7	95.0
137.5°	55.2	54.4	58.5	60.1	63.3	66.6	69.0	74.7	80.4	86.1	93.4
140°	56.0	55.2	58.5	61.7	63.3	66.6	68.2	73.9	79.6	84.5	91.0
142.5°	56.8	56.8	59.3	62.5	63.3	65.8	68.2	73.1	78.0	82.0	89.3
145°	56.8	56.8	59.3	63.3	64.2	65.0	66.6	71.5	75.5	79.6	86.1
147.5°	56.8	56.8	60.1	63.3	65.0	65.8	65.0	69.8	73.9	77.2	82.8
150°	56.8	56.8	60.1	63.3	65.8	66.6	65.8	68.2	71.5	74.7	79.6
152.5°	57.7	57.7	60.1	63.3	65.8	66.6	66.6	66.6	69.0	72.3	77.2
155°	57.7	58.5	60.1	65.0	66.6	67.4	67.4	67.4	66.6	69.8	73.9
157.5°	60.1	60.9	61.7	65.8	67.4	68.2	68.2	68.2	67.4	66.6	70.7
160°	62.5	63.3	64.2	67.4	69.0	69.8	69.8	69.8	68.2	67.4	67.4
162.5°	65.0	66.6	66.6	68.2	69.8	70.7	70.7	71.5	69.8	69.0	68.2
165°	68.2	69.0	69.0	69.8	71.5	72.3	71.5	72.3	71.5	70.7	69.8
167.5°	70.7	71.5	71.5	72.3	72.3	73.1	73.1	73.1	72.3	71.5	71.5
170°	73.1	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.1	71.5	71.5
172.5°	74.7	75.5	75.5	74.7	74.7	74.7	74.7	73.9	72.3	71.5	71.5
175°	75.5	76.3	76.3	75.5	74.7	74.7	74.7	73.9	72.3	71.5	71.5
177.5°	76.3	77.2	76.3	76.3	74.7	74.7	74.7	74.7	73.1	72.3	71.5
180°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5
2.5°	852.7	843.0	849.5	850.3	853.5	850.3	852.7	850.3	856.8	854.3
5°	849.5	840.5	846.2	847.0	851.1	847.0	851.1	849.5	857.6	855.2
7.5°	843.8	836.5	841.3	842.2	847.0	843.0	847.0	845.4	855.2	851.9
10°	835.7	830.0	834.8	835.7	840.5	836.5	839.7	838.1	848.7	843.8
12.5°	826.7	821.9	825.9	826.7	832.4	828.4	832.4	830.8	841.3	836.5
15°	813.7	811.3	815.4	817.0	822.7	819.4	823.5	821.9	833.2	826.7
17.5°	800.7	799.1	803.2	804.8	811.3	807.2	811.3	809.7	821.0	814.5
20°	784.5	783.7	787.7	790.2	795.9	791.8	796.7	795.1	807.2	800.7
22.5°	767.4	767.4	770.7	773.1	778.8	775.6	780.4	779.6	791.8	785.3
25°	748.8	749.6	752.8	756.1	762.6	760.1	764.2	764.2	775.6	767.4
27.5°	727.7	731.7	734.1	738.2	743.9	741.5	745.5	746.3	757.7	749.6
30°	705.7	711.4	713.8	718.7	723.6	723.6	727.7	729.3	740.6	732.5
32.5°	683.0	689.5	692.7	699.2	705.7	705.7	711.4	713.8	725.2	717.9
35°	660.2	669.2	673.2	681.4	687.9	688.7	694.4	697.6	709.0	701.7
37.5°	638.3	649.7	653.7	663.5	669.2	670.8	677.3	681.4	691.9	685.4
40°	615.6	629.4	634.3	644.8	649.7	652.9	659.4	664.3	674.1	668.4
42.5°	593.7	609.1	614.0	625.3	631.0	634.3	640.8	647.3	657.0	651.3
45°	571.7	588.8	594.5	606.6	611.5	616.4	623.7	629.4	638.3	633.4
47.5°	550.6	568.5	574.2	587.2	592.8	598.5	605.0	613.1	621.3	616.4
50°	528.7	547.4	554.7	568.5	573.4	579.8	588.0	595.3	603.4	599.3
52.5°	507.6	527.1	534.4	549.0	554.7	561.2	569.3	577.4	584.7	581.5
55°	484.8	505.9	514.1	529.5	535.2	541.7	550.6	559.5	566.0	563.6
57.5°	463.7	485.6	493.8	510.8	515.7	523.8	532.7	542.5	548.2	545.7
60°	442.6	464.5	474.3	491.3	497.0	505.1	514.1	524.6	529.5	527.9
62.5°	421.5	444.2	454.8	472.6	477.5	486.5	497.0	505.9	510.8	510.0
65°	402.0	423.9	436.1	454.0	458.8	468.6	478.3	488.1	493.0	493.0
67.5°	381.7	405.2	417.4	436.1	440.2	450.7	461.3	471.0	475.1	475.1
70°	363.0	385.8	399.6	418.2	422.3	432.0	443.4	454.0	457.2	458.0
72.5°	344.3	367.1	381.7	401.2	405.2	415.0	425.5	436.9	439.4	440.2
75°	326.5	349.2	363.8	383.3	387.4	397.1	408.5	419.0	422.3	423.1
77.5°	308.6	331.3	347.6	366.3	370.3	380.1	391.4	402.0	404.4	406.1
80°	292.4	314.3	329.7	350.0	354.1	363.8	374.4	384.9	386.6	389.0
82.5°	276.1	298.0	314.3	333.8	337.8	347.6	358.1	368.7	370.3	373.6
85°	260.7	282.6	298.9	317.5	322.4	331.3	342.7	352.5	354.1	356.5
87.5°	246.9	267.2	284.2	302.1	307.0	315.9	327.3	337.0	337.8	341.1
90°	232.3	252.6	269.6	287.5	292.4	300.5	311.9	321.6	323.2	325.7
92.5°	220.1	238.8	256.6	273.7	277.7	286.7	297.2	307.0	308.6	311.0
95°	207.1	225.8	243.6	259.9	263.9	272.9	282.6	292.4	294.0	296.4
97.5°	195.7	213.6	230.6	246.9	250.9	259.1	269.6	278.6	280.2	283.4
100°	185.2	202.2	220.1	234.7	238.8	246.9	256.6	265.6	267.2	270.4
102.5°	175.4	191.7	208.7	222.5	227.4	234.7	244.4	252.6	254.2	256.6
105°	166.5	181.9	198.2	211.1	216.0	223.3	232.3	240.4	242.0	244.4
107.5°	157.5	172.2	187.6	200.6	204.7	211.1	220.1	228.2	229.8	233.1
110°	149.4	164.0	178.7	190.8	195.7	200.6	209.5	216.8	218.5	220.9



TEST NUMBER: P895525

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	142.1	155.1	169.7	181.1	185.2	190.8	198.2	205.5	207.1	210.3
115°	135.6	147.8	162.4	173.0	176.2	181.1	189.2	195.7	197.3	199.8
117.5°	129.9	140.5	153.5	164.0	168.1	172.2	179.5	185.2	187.6	189.2
120°	125.1	134.8	146.2	155.9	160.8	164.0	170.5	176.2	178.7	180.3
122.5°	120.2	129.1	139.7	148.6	152.7	155.1	162.4	167.3	169.7	172.2
125°	116.1	124.3	134.0	141.3	145.4	147.8	154.3	159.2	161.6	163.2
127.5°	112.1	119.4	129.1	134.8	138.9	140.5	146.2	151.1	153.5	154.3
130°	108.0	115.3	123.4	129.1	132.4	134.8	139.7	142.9	145.4	146.2
132.5°	104.8	111.3	118.6	124.3	127.5	128.3	133.2	136.4	138.9	139.7
135°	102.3	107.2	114.5	119.4	121.8	123.4	127.5	129.9	132.4	133.2
137.5°	99.1	104.0	110.4	113.7	116.9	117.8	121.8	124.3	126.7	127.5
140°	96.6	100.7	106.4	109.6	112.9	112.9	116.1	118.6	121.0	121.0
142.5°	94.2	98.3	103.1	106.4	108.8	108.8	112.1	113.7	116.1	116.1
145°	91.0	95.0	99.9	102.3	104.8	104.8	107.2	108.8	111.3	111.3
147.5°	87.7	91.8	96.6	98.3	100.7	100.7	103.1	104.8	106.4	106.4
150°	83.6	86.9	92.6	95.0	97.5	97.5	99.1	100.7	102.3	102.3
152.5°	80.4	82.8	87.7	91.0	93.4	93.4	95.0	96.6	98.3	98.3
155°	76.3	78.8	82.8	86.9	89.3	90.1	91.8	92.6	94.2	94.2
157.5°	73.1	75.5	78.8	82.0	84.5	86.1	88.5	89.3	90.1	90.1
160°	69.0	70.7	73.9	77.2	79.6	81.2	85.3	86.1	86.9	86.9
162.5°	67.4	67.4	69.0	71.5	73.9	74.7	78.8	82.0	83.6	82.8
165°	68.2	67.4	67.4	68.2	69.8	70.7	73.1	78.0	79.6	78.8
167.5°	69.8	68.2	67.4	67.4	69.0	69.0	71.5	75.5	80.4	78.8
170°	69.8	67.4	65.8	65.8	66.6	66.6	68.2	70.7	75.5	76.3
172.5°	69.0	67.4	65.0	61.7	62.5	61.7	60.9	62.5	63.3	71.5
175°	69.8	67.4	65.0	60.9	59.3	56.8	52.8	49.5	48.7	39.8
177.5°	69.0	66.6	63.3	60.1	58.5	55.2	50.4	44.7	41.4	36.5
180°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8



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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	10.80	12.11	11.45	12.78	13.55	14.43	15.74	15.07	16.40	17.17
	3H	12.15	13.35	12.81	14.02	14.83	17.38	18.58	18.04	19.26	20.06
	4H	12.55	13.69	13.23	14.38	15.19	18.89	20.03	19.56	20.72	21.53
	6H	12.77	13.83	13.46	14.53	15.36	20.50	21.56	21.19	22.26	23.09
	8H	12.80	13.82	13.50	14.54	15.37	21.35	22.37	22.05	23.09	23.92
	12H	12.81	13.78	13.51	14.50	15.36	22.30	23.27	23.00	23.98	24.85
4H	2H	11.96	13.10	12.64	13.79	14.60	14.74	15.88	15.42	16.57	17.38
	3H	13.60	14.58	14.29	15.30	16.14	17.93	18.91	18.62	19.63	20.46
	4H	14.17	15.07	14.88	15.80	16.66	19.61	20.51	20.31	21.23	22.10
	6H	14.51	15.31	15.23	16.06	16.93	21.43	22.22	22.15	22.97	23.84
	8H	14.58	15.34	15.31	16.08	16.97	22.40	23.15	23.13	23.90	24.78
	12H	14.61	15.30	15.36	16.07	16.96	23.49	24.17	24.24	24.94	25.83
8H	4H	15.28	16.03	16.00	16.78	17.66	19.78	20.53	20.50	21.28	22.16
	6H	15.89	16.53	16.64	17.31	18.20	21.77	22.41	22.53	23.20	24.09
	8H	16.08	16.66	16.85	17.45	18.35	22.89	23.47	23.66	24.26	25.16
	12H	16.19	16.71	16.96	17.49	18.45	24.17	24.69	24.94	25.47	26.42
12H	4H	15.64	16.33	16.39	17.10	17.99	19.77	20.46	20.52	21.23	22.12
	6H	16.42	17.00	17.19	17.79	18.69	21.80	22.38	22.57	23.17	24.07
	8H	16.75	17.27	17.52	18.05	19.00	22.98	23.50	23.75	24.28	25.24