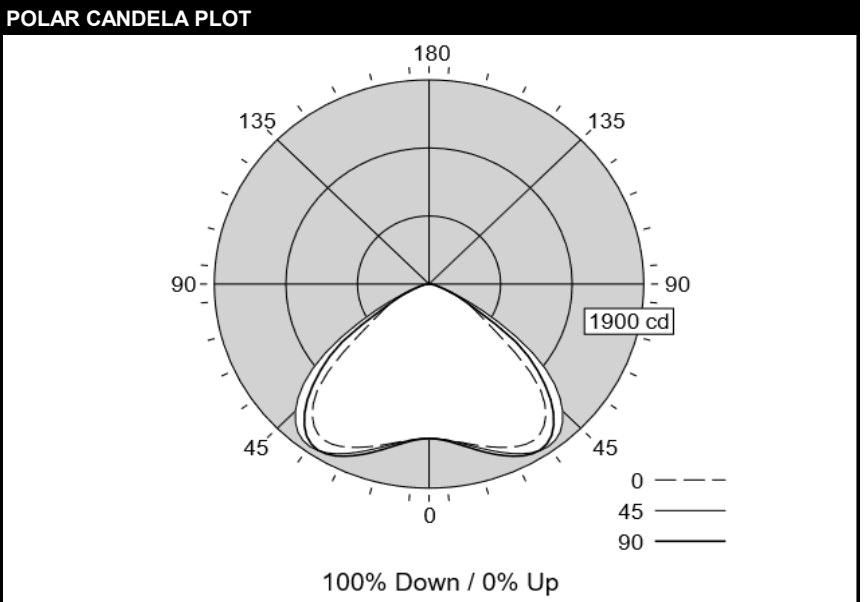


LEDALITE - BLOOMBOX

TEST DATE: 28 Sep 2023 **CATALOG NO:** BB22D1STL94050Y1DE

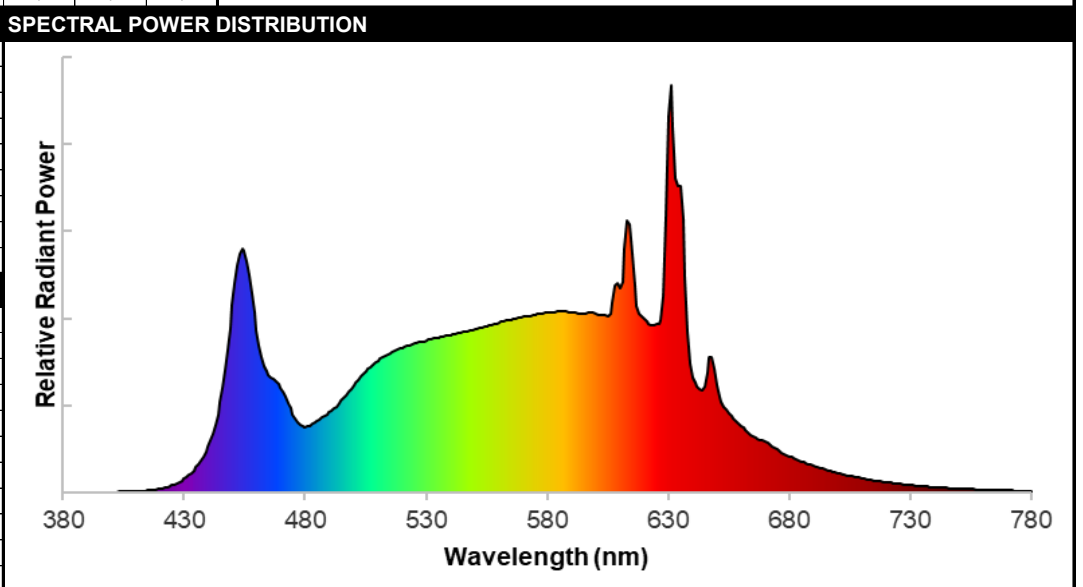
Lamp Type:	LED	Description:	5000LM BLOOMBOX 940
No. of Lamps:	1		
Rated Lamp Lumens:	-1	Flux (lm), Efficiency (%):	5008 lm 100%
Input Watts:	120 VAC 29.4	Up/Dn Ratio, Efficacy (lm/W):	100% Down / 0% Up 170.3
CIE-IES Classification:	Direct	Report:	F44598

CANDELA DISTRIBUTION						
	Flux					
	0	22.5	45	67.5	90	Lumens
0	1438	1438	1438	1438	1438	
5	1453	1452	1452	1457	1459	140
15	1549	1554	1568	1587	1595	448
25	1676	1698	1741	1767	1768	802
35	1708	1767	1844	1842	1818	1123
45	1397	1531	1672	1598	1522	1191
55	628	760	1122	1058	937	830
65	302	346	375	341	298	347
75	96	96	94	85	79	103
85	24	23	20	17	16	24
90	1	1	1	1	1	
95	0	0	0	0	0	0
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	0



CHARACTERISTICS				COEFFICIENTS OF UTILIZATION (%)												
RP1	None			Pc---	80				70			50			0	
Direct: Peak Candela & Angle (0°)	1724.8	32.5		Pw---	70	50	30	10	70	50	30	50	30	10	0	
Direct: Peak Candela & Angle (90°)	1832.0	32.5		RCR												
Spacing Criteria (0°, 90°, 180°)	1.68	1.75	N/A	0	119	119	119	119	116	116	116	111	111	111	100	
Beam (H, V), Field (H, V)	108.6	100.2	139.6	135.4	1	110	106	103	100	108	104	101	100	97	95	87
Indirect: Peak Candela & Angle(°)	N/A	N/A			2	102	94	88	83	99	92	87	89	84	80	75
Indirect: Zenith Candela, Peak to Zenith	N/A	N/A			3	93	84	76	70	91	82	75	79	73	68	64
Luminous Width, Length, Height (ft)	1.69	1.87	0.00		4	85	74	66	60	83	73	65	71	64	59	55
DLC, UGR (4H x 8H, 1.0H), MDER	N/A	18.7	0.638		5	79	67	58	52	77	65	57	63	56	51	48
x, y, CCT, D _{uv}	0.3896	0.3854	3826	0.0014	6	73	60	51	45	71	59	51	57	50	45	42
CRI (R _a), R _g , G _a , C _g	93	60	97	93	7	67	54	46	40	65	53	45	52	45	39	37
TM-30-18 R _f , R _{h1} , R _g , R _{mh1}	89	88	97	-6%	8	62	49	41	35	61	48	41	47	40	35	33
120V: P(W), I(A), THD(%), PF	29.4	0.246	5.9	0.997	9	58	45	37	31	57	44	37	43	36	31	29
277V: P(W), I(A), THD(%), PF	29.1	0.107	8.8	0.984	10	54	41	33	28	53	41	33	40	33	28	26
347V: P(W), I(A), THD(%), PF	N/A	N/A	N/A	N/A	*Based on a floor reflectance of 0.2											

ZONAL LUMENS (lm)			
Zone	Lumens	%Fixture	%Lamp
0-30	1390	27.8%	27.8%
0-40	2513	50.2%	50.2%
0-60	4534	90.5%	90.5%
0-90	5008	100.0%	100.0%
90-130	0	0.0%	0.0%
90-150	0	0.0%	0.0%
90-180	0	0.0%	0.0%
0-180	5008	100.0%	100.0%

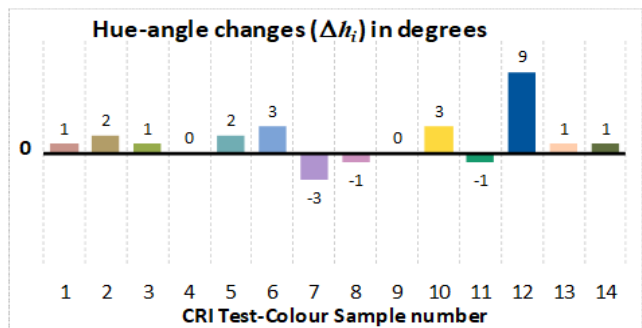
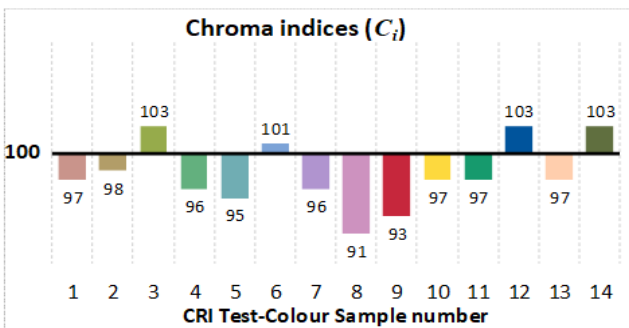
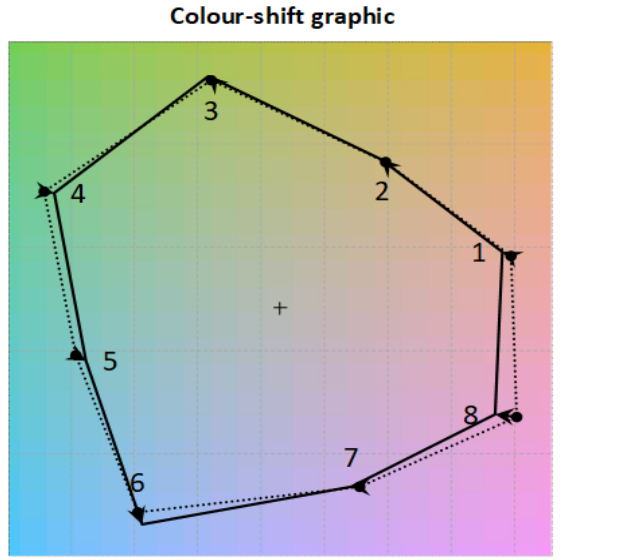
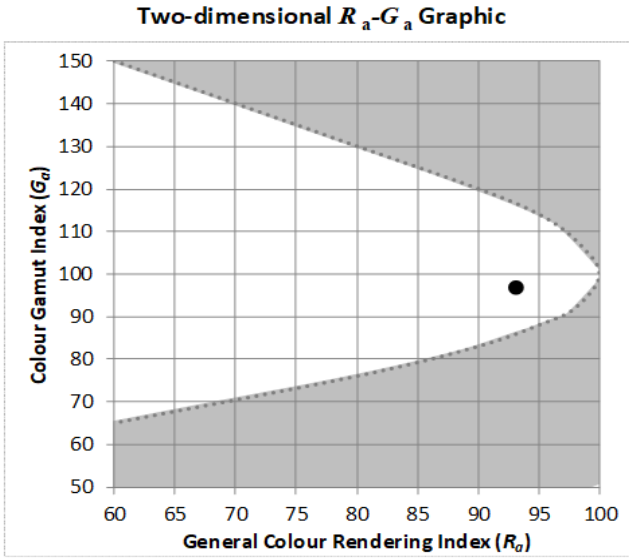
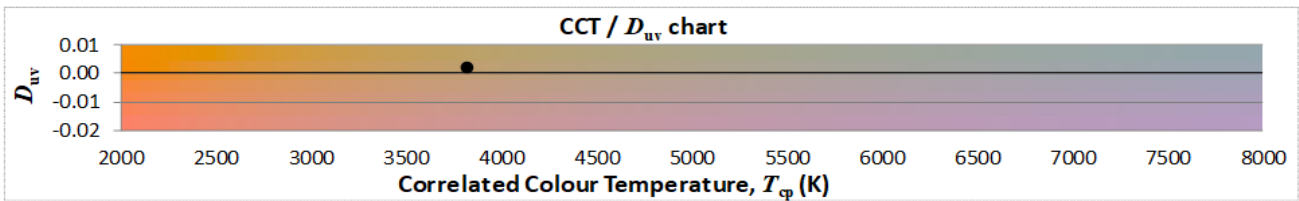
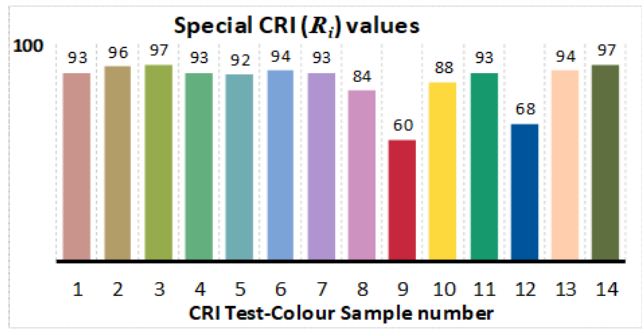
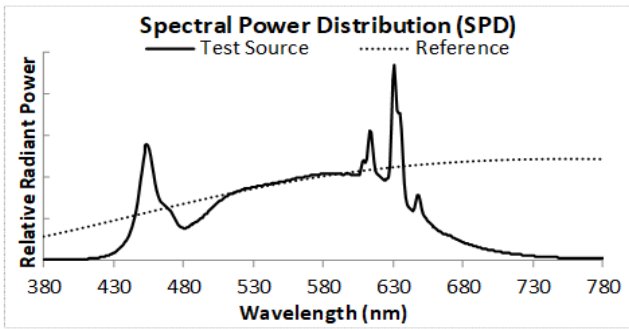


AVG LUMINANCE (cd/m ²)			
	0	45	90
0	4895	4895	4895
5	4966	4964	4985
15	5461	5527	5621
25	6297	6539	6642
35	7101	7666	7555
45	6727	8050	7330
55	3728	6658	5560
65	2436	3019	2402
75	1266	1237	1044
85	930	769	612

Output of GLA Calculation Tool for CIE 13.3 CRI and Associated CRI-based Colour Rendition Properties

Test Number:	F44598	Manufacturer:	Ledalite by Signify
Date:	29 Sep 2023	Model:	BloomBox

Correlated Colour Temperature (T_{cp}) in K	3826	CIE1931 chromaticity coordinate, x	0.3896
Distance to Blackbody Locus (D_{uv})	0.0014	CIE1931 chromaticity coordinate, y	0.3854
General Colour Rendering Index (R_a)	93	CIE1976 chromaticity coordinate, u'	0.2277
Red Rendering Index (R_9)	60	CIE1976 chromaticity coordinate, v'	0.5067
Colour Gamut Index (G_a)	97		
Red Chroma Index (C_9)	93		



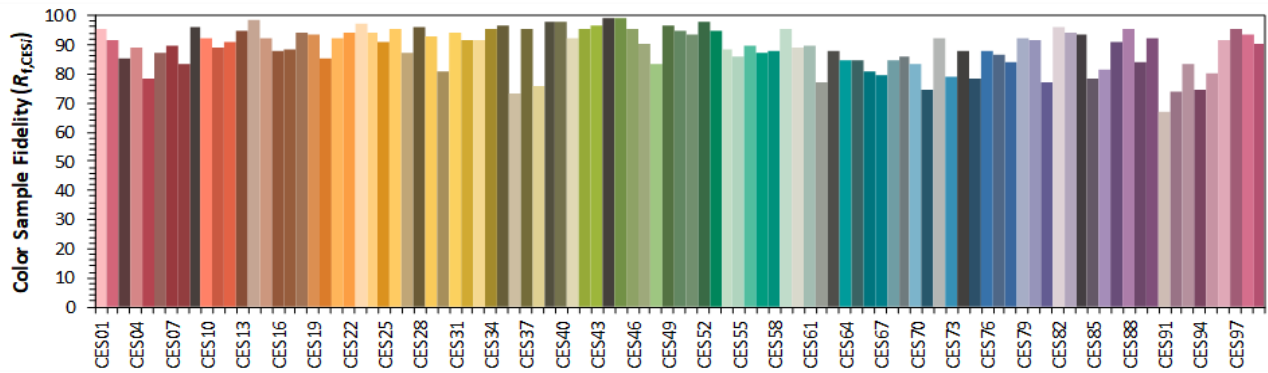
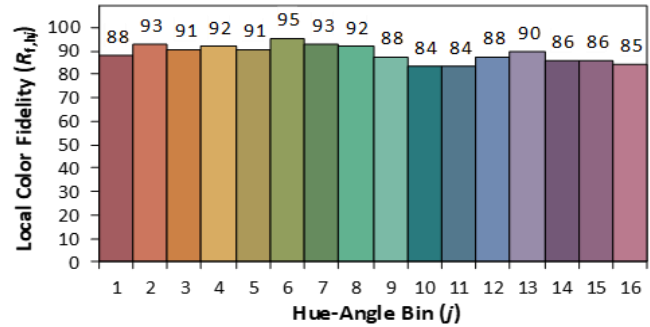
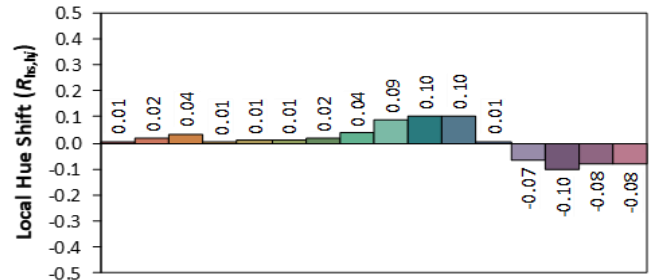
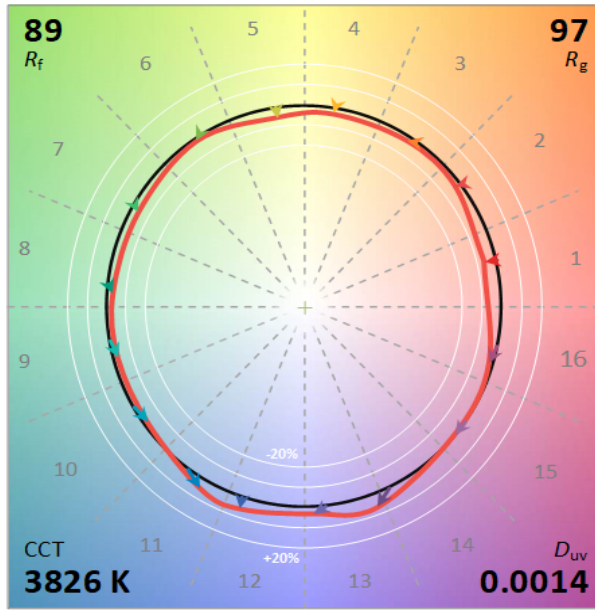
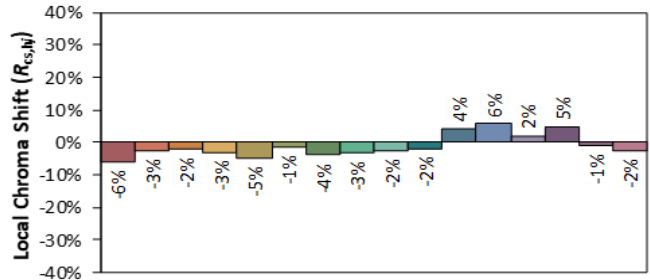
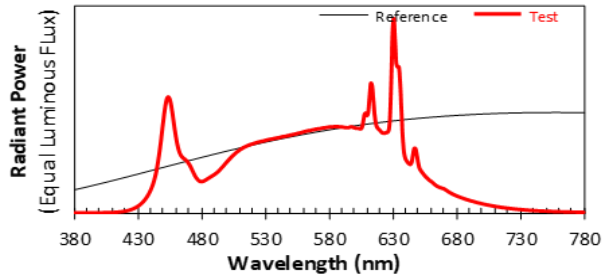
ANSI/IES TM-30-18 Color Rendition Report

Source: F44598

Manufacturer: Ledalite by Signify

Date: 29 Sep 2023

Model: BloomBox



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.3896

y 0.3854

u' 0.2277

v' 0.5067

SPECTRAL POWER DISTRIBUTION

λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD	λ (nm)	SPD
380	0.00020	425	0.00170	470	0.02450	515	0.03270	560	0.03980	605	0.04130	650	0.02520	695	0.00540	740	0.00130
381	0.00020	426	0.00190	471	0.02350	516	0.03300	561	0.04000	606	0.04190	651	0.02240	696	0.00520	741	0.00120
382	0.00020	427	0.00220	472	0.02230	517	0.03330	562	0.04010	607	0.04470	652	0.02110	697	0.00510	742	0.00120
383	0.00020	428	0.00250	473	0.02100	518	0.03350	563	0.04030	608	0.04830	653	0.02020	698	0.00490	743	0.00120
384	0.00020	429	0.00290	474	0.01970	519	0.03370	564	0.04040	609	0.04910	654	0.01940	699	0.00480	744	0.00110
385	0.00020	430	0.00320	475	0.01840	520	0.03390	565	0.04050	610	0.04780	655	0.01860	700	0.00460	745	0.00110
386	0.00020	431	0.00370	476	0.01740	521	0.03410	566	0.04060	611	0.04940	656	0.01790	701	0.00450	746	0.00110
387	0.00020	432	0.00410	477	0.01660	522	0.03430	567	0.04080	612	0.05700	657	0.01730	702	0.00430	747	0.00100
388	0.00010	433	0.00460	478	0.01590	523	0.03450	568	0.04090	613	0.06370	658	0.01670	703	0.00420	748	0.00100
389	0.00010	434	0.00520	479	0.01560	524	0.03470	569	0.04100	614	0.06270	659	0.01610	704	0.00410	749	0.00100
390	0.00010	435	0.00590	480	0.01540	525	0.03490	570	0.04120	615	0.05580	660	0.01570	705	0.00390	750	0.00090
391	0.00010	436	0.00670	481	0.01550	526	0.03500	571	0.04130	616	0.04840	661	0.01520	706	0.00380	751	0.00090
392	0.00010	437	0.00760	482	0.01570	527	0.03520	572	0.04140	617	0.04380	662	0.01470	707	0.00370	752	0.00090
393	0.00010	438	0.00850	483	0.01610	528	0.03530	573	0.04140	618	0.04200	663	0.01410	708	0.00360	753	0.00090
394	0.00020	439	0.00960	484	0.01640	529	0.03540	574	0.04160	619	0.04130	664	0.01360	709	0.00350	754	0.00080
395	0.00010	440	0.01080	485	0.01690	530	0.03560	575	0.04170	620	0.04070	665	0.01320	710	0.00340	755	0.00080
396	0.00010	441	0.01220	486	0.01720	531	0.03580	576	0.04180	621	0.04000	666	0.01290	711	0.00330	756	0.00080
397	0.00020	442	0.01390	487	0.01760	532	0.03590	577	0.04190	622	0.03940	667	0.01260	712	0.00320	757	0.00080
398	0.00020	443	0.01590	488	0.01800	533	0.03610	578	0.04200	623	0.03920	668	0.01240	713	0.00310	758	0.00070
399	0.00020	444	0.01830	489	0.01840	534	0.03620	579	0.04210	624	0.03920	669	0.01220	714	0.00300	759	0.00070
400	0.00020	445	0.02110	490	0.01880	535	0.03630	580	0.04220	625	0.03950	670	0.01200	715	0.00290	760	0.00070
401	0.00020	446	0.02460	491	0.01920	536	0.03640	581	0.04230	626	0.03960	671	0.01170	716	0.00280	761	0.00070
402	0.00020	447	0.02870	492	0.01970	537	0.03660	582	0.04230	627	0.04050	672	0.01130	717	0.00270	762	0.00070
403	0.00020	448	0.03350	493	0.02020	538	0.03670	583	0.04230	628	0.04610	673	0.01090	718	0.00260	763	0.00060
404	0.00020	449	0.03870	494	0.02080	539	0.03680	584	0.04240	629	0.06450	674	0.01040	719	0.00250	764	0.00060
405	0.00020	450	0.04390	495	0.02150	540	0.03690	585	0.04240	630	0.08820	675	0.01010	720	0.00240	765	0.00060
406	0.00020	451	0.04890	496	0.02220	541	0.03700	586	0.04240	631	0.09550	676	0.00970	721	0.00240	766	0.00060
407	0.00020	452	0.05310	497	0.02280	542	0.03720	587	0.04240	632	0.08540	677	0.00940	722	0.00230	767	0.00060
408	0.00030	453	0.05590	498	0.02360	543	0.03740	588	0.04240	633	0.07340	678	0.00910	723	0.00220	768	0.00050
409	0.00030	454	0.05700	499	0.02430	544	0.03750	589	0.04230	634	0.07180	679	0.00880	724	0.00210	769	0.00050
410	0.00030	455	0.05640	500	0.02500	545	0.03760	590	0.04230	635	0.07170	680	0.00850	725	0.00210	770	0.00050
411	0.00030	456	0.05420	501	0.02570	546	0.03770	591	0.04220	636	0.06400	681	0.00830	726	0.00200	771	0.00050
412	0.00040	457	0.05070	502	0.02640	547	0.03780	592	0.04210	637	0.05060	682	0.00800	727	0.00190	772	0.00050
413	0.00040	458	0.04650	503	0.02710	548	0.03800	593	0.04200	638	0.03760	683	0.00780	728	0.00190	773	0.00050
414	0.00040	459	0.04210	504	0.02770	549	0.03810	594	0.04190	639	0.03010	684	0.00760	729	0.00180	774	0.00050
415	0.00050	460	0.03790	505	0.02830	550	0.03830	595	0.04190	640	0.02700	685	0.00730	730	0.00180	775	0.00040
416	0.00060	461	0.03440	506	0.02890	551	0.03840	596	0.04200	641	0.02570	686	0.00710	731	0.00170	776	0.00040
417	0.00060	462	0.03170	507	0.02940	552	0.03860	597	0.04230	642	0.02480	687	0.00690	732	0.00170	777	0.00040
418	0.00070	463	0.02970	508	0.03000	553	0.03870	598	0.04230	643	0.02420	688	0.00670	733	0.00160	778	0.00040
419	0.00080	464	0.02840	509	0.03040	554	0.03880	599	0.04210	644	0.02390	689	0.00650	734	0.00150	779	0.00040
420	0.00090	465	0.02750	510	0.03090	555	0.03900	600	0.04190	645	0.02480	690	0.00630	735	0.00150	780	0.00040
421	0.00100	466	0.02690	511	0.03130	556	0.03920	601	0.04170	646	0.02820	691	0.00610	736	0.00150		
422	0.00120	467	0.02650	512	0.03170	557	0.03930	602	0.04160	647	0.03170	692	0.00590	737	0.00140		
423	0.00130	468	0.02600	513	0.03210	558	0.03940	603	0.04160	648	0.03170	693	0.00580	738	0.00140		
424	0.00150	469	0.02540	514	0.03240	559	0.03960	604	0.04150	649	0.02890	694	0.00560	739	0.00130		

UNIFIED GLARE RATING

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size	UGR Viewed Crosswise					UGR Viewed Endwise					
X=2H	Y=2H	15.7	17.3	16.1	17.6	17.9	18.0	19.6	18.4	19.9	20.2
	3H	16.3	17.6	16.7	18.0	18.3	18.4	19.7	18.7	20.0	20.4
	4H	16.4	17.7	16.8	18.0	18.4	18.4	19.6	18.8	20.0	20.4
	6H	16.5	17.7	16.9	18.1	18.4	18.4	19.5	18.8	19.9	20.3
	8H	16.5	17.7	16.9	18.0	18.4	18.3	19.5	18.8	19.9	20.3
	12H	16.5	17.6	17.0	18.0	18.4	18.3	19.4	18.8	19.8	20.2
4H	2H	16.2	17.5	16.6	17.8	18.2	18.2	19.5	18.6	19.9	20.2
	3H	16.8	17.9	17.2	18.3	18.7	18.6	19.7	19.0	20.1	20.5
	4H	17.0	17.9	17.4	18.4	18.8	18.7	19.6	19.1	20.0	20.4
	6H	17.2	18.0	17.6	18.4	18.9	18.7	19.5	19.1	19.9	20.4
	8H	17.2	18.0	17.7	18.4	18.9	18.7	19.4	19.1	19.9	20.3
	12H	17.2	17.9	17.7	18.4	18.9	18.6	19.3	19.1	19.8	20.3
8H	4H	17.0	17.8	17.5	18.2	18.7	18.6	19.4	19.1	19.8	20.3
	6H	17.2	17.9	17.7	18.4	18.8	18.7	19.3	19.1	19.8	20.3
	8H	17.3	17.9	17.8	18.4	18.9	18.6	19.2	19.2	19.7	20.2
	12H	17.4	17.9	17.9	18.4	18.9	18.6	19.2	19.1	19.6	20.2
12H	4H	17.0	17.7	17.5	18.2	18.6	18.6	19.3	19.1	19.8	20.2
	6H	17.2	17.8	17.7	18.3	18.8	18.6	19.2	19.2	19.7	20.2
	8H	17.3	17.8	17.8	18.3	18.9	18.6	19.2	19.1	19.6	20.2

The UGR values have been calculated according to CIE Publ. 117.

Spacing-to-Height-Ratio = 1.00.

The highlighted value refers to the UGR value which the luminaire would have in a reference situation with room dimensions of 4H/8H and degrees of reflectance of 20% for the floor, 50% for the walls and 70% for the ceiling, as recommended by DLC.

The UGR value may vary depending on application specific parameters.