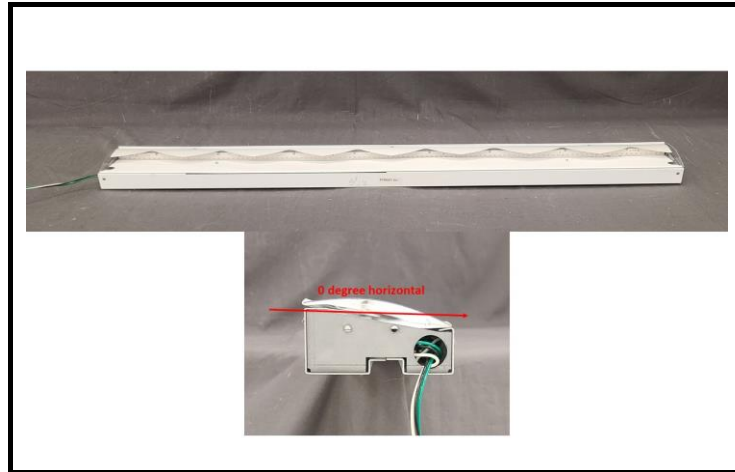




BSS120-44-35-ND-R

Luminaire Description: White rectangular metal housing with clear plastic lens
Lamp: 114 White LEDs
Mounting: Surface – Wall
Ballast/Driver: Philips LV5 3500K 90CRI

Luminaire



Luminaire Characteristics

Luminous Length: 4.00 in.
Luminous Width: 44.25 in.
Luminous Height: 0.50 in.

Summary of Results

Integrating Sphere

Luminous Flux: 2230 Lumens
Efficacy: 76.73 lm/w
CCT: 3446 K
CRI (Ra): 93.2

Distribution

Total Luminaire Output: 2211 Lumens
Luminaire Efficacy: 75.9 lm/w
Maximum Candela: 1347 Candela

Electrical Data at 120 VAC

Test Temperature: 25.3 °C
Voltage: 120.1 VAC
Current: 0.2432 A
Power: 29.06 W
Power Factor: 0.995
Frequency: 60 Hz
Current THD: 8.36 %



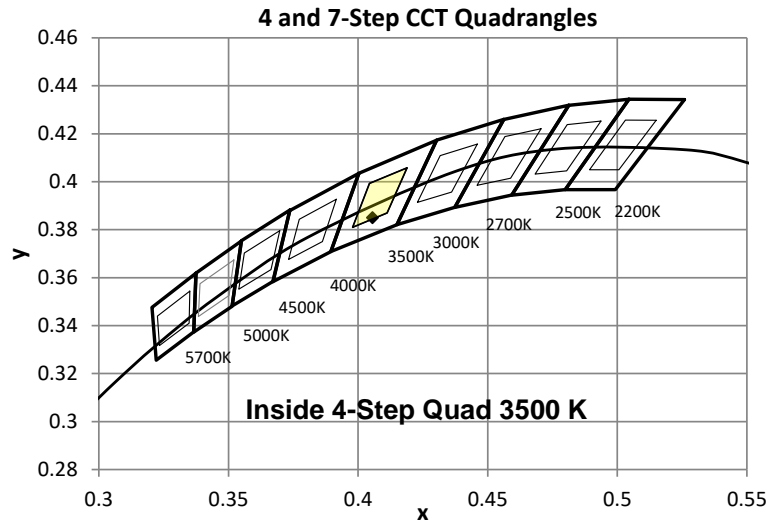
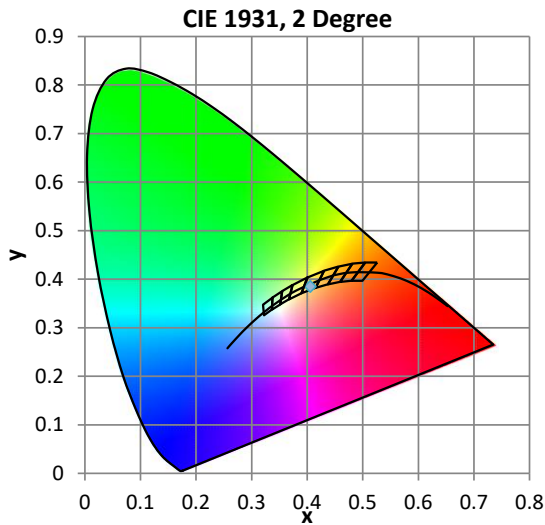
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.3 °C	120.1 VAC	0.2432 A	29.06 W	0.995	60 Hz	8.36 %

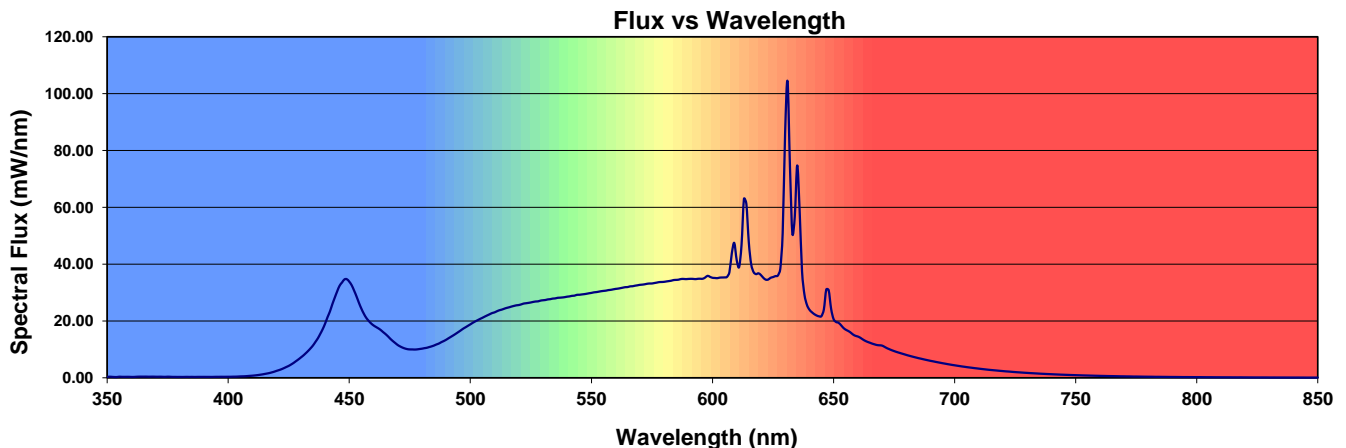
Summary of Results

Total Output:	2230 Lumens	Chromaticity (x):	0.4055
Efficacy:	76.7 lm/w	Chromaticity (y):	0.3850
CCT:	3446 K	Chromaticity (u'):	0.2382
CRI (Ra):	93.2	Chromaticity (v'):	0.5089
CRI (R9):	63.2	TM-30 Rf:	91
Peak Wavelength:	631 nm	TM-30 Rg:	102
Dominant Wavelength:	582 nm	TM-30 Rcs,h1:	-5%
S/P Ratio:	1.59	Duv:	-0.0026



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93.2	95.2	95.5	94.1	93.9	94.5	94.2	92.6	85.4	63.2	87.8	94.2	81.4	95.1	95.7	92.1





Distribution - Goniophotometer

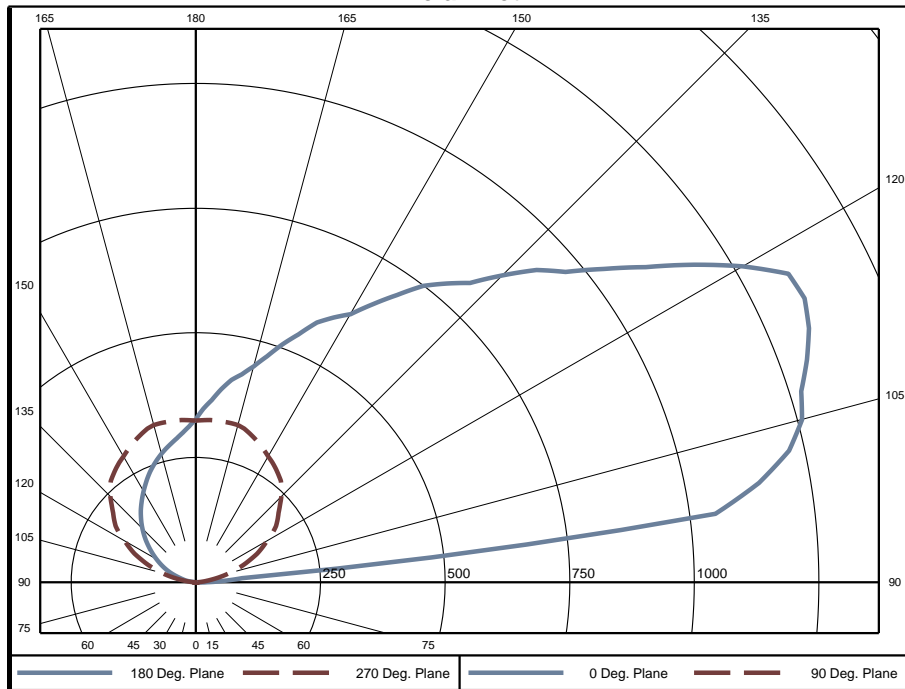
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	120.1 VAC	0.2437 A	29.12 W	0.995	60 Hz	8.29 %

Summary of Results

Total Lumen Output:	2211 Lumens
Luminaire Efficacy:	75.9 lm/w
Maximum Candela:	1347 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	0	0.0%	60-65	0.4	0.0%	120-125	189.3	8.6%
5-10	0	0.0%	65-70	1.6	0.1%	125-130	171.1	7.7%
10-15	0	0.0%	70-75	1.3	0.1%	130-135	154.7	7.0%
15-20	0	0.0%	75-80	0.6	0.0%	135-140	138.8	6.3%
20-25	0	0.0%	80-85	1.2	0.1%	140-145	122.7	5.5%
25-30	0	0.0%	85-90	3.2	0.1%	145-150	105.8	4.8%
30-35	0	0.0%	90-95	33.6	1.5%	150-155	89.4	4.0%
35-40	0	0.0%	95-100	156.5	7.1%	155-160	73.2	3.3%
40-45	0.0	0.0%	100-105	200.4	9.1%	160-165	56.3	2.5%
45-50	0.2	0.0%	105-110	212.8	9.6%	165-170	39.9	1.8%
50-55	0.4	0.0%	110-115	217.7	9.8%	170-175	23.8	1.1%
55-60	0.4	0.0%	115-120	208.1	9.4%	175-180	7.8	0.4%

Zone	Lumens	% of Luminaire
0-40	0	0.0%
0-60	1	0.0%
0-90	9	0.4%
90-180	2202	99.6%



Candela Tabulation
Horizontal Angle (Degrees)

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
50	0	0	2	1	0	0	0	0	0	0	0	0	0	1	2	0
55	0	0	10	1	0	0	0	0	0	0	0	0	0	1	10	0
60	0	0	0	2	1	0	0	0	0	0	0	0	1	2	0	0
65	0	0	0	9	1	0	0	0	0	0	0	0	1	9	0	0
70	0	0	0	38	2	0	0	0	0	0	0	0	2	38	0	0
75	0	0	0	4	2	1	0	0	0	0	0	1	2	4	0	0
80	0	1	1	4	4	1	0	0	0	0	0	1	4	4	1	1
85	5	6	5	3	5	2	1	1	1	1	1	2	5	3	5	6
90	23	27	20	15	2	2	1	1	0	1	1	2	2	15	20	27
95	93	315	598	260	14	8	6	4	3	4	6	8	14	260	598	315
100	1147	1057	761	337	36	21	17	20	21	20	17	21	36	337	761	1057
105	1259	1138	831	344	68	38	34	32	33	32	34	38	68	344	831	1138
110	1304	1193	892	355	102	61	53	51	52	51	53	61	102	355	892	1193
115	1347	1222	811	368	136	86	72	70	71	70	72	86	136	368	811	1222
120	1267	1097	737	385	164	111	94	89	90	89	94	111	164	385	737	1097
125	1102	961	687	386	196	137	117	110	110	110	117	137	196	386	687	961
130	968	865	640	384	217	162	140	131	131	131	140	162	217	384	640	865
135	870	790	610	388	242	186	162	152	151	152	162	186	242	388	610	790
140	782	702	561	390	265	208	184	172	171	172	184	208	265	390	561	702
145	703	654	530	380	279	228	205	192	190	192	205	228	279	380	530	654
150	621	579	486	382	291	246	225	212	210	212	225	246	291	382	486	579
155	575	531	469	373	304	262	243	232	230	232	243	262	304	373	469	531
160	508	481	435	361	317	277	260	251	249	251	260	277	317	361	435	481
165	448	432	399	355	326	291	276	268	266	268	276	291	326	355	399	432
170	412	397	379	351	327	304	290	283	283	283	290	304	327	351	379	397
175	367	361	352	337	326	313	305	300	301	300	305	313	326	337	352	361
180	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324	324

Vertical Angle (Degrees)



Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 20%

Ceiling Cavity Reflectance	80				70				50			30			10			0
Wall Reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Room Cavity Ratio (RCR)	** Values are expressed as percent of total lumen output delivered to the task surface **																	
0	95	95	95	95	82	82	82	82	56	56	56	32	32	32	11	11	11	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	9	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	8	7	0
3	72	63	56	51	61	54	49	44	37	34	31	22	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	6	5	4	0
6	55	44	36	31	47	38	31	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

Up Light Beam and Field Information

CIE Type:	Indirect
Center Beam Intensity:	324 Candela
Central Cone Intensity:	326 Candela
Beam Flux:	2201.6 Lumens
Beam Angle (0-180):	127.2 Degrees
Beam Angle (90-270):	120.7 Degrees
Field Angle (0-180):	164.2 Degrees
Field Angle (90-270):	161.2 Degrees