



BSS532-4-35-ND-1-NA-R-C4-SN-AW

Luminaire Description: White metal housing and diffuse lenses
Lamp: 96 LEDS
Mounting: Pendant
Ballast/Driver: PHILLIPS XI040C110V054BST1

Luminaire



Luminaire Characteristics

Luminous Length: 45.25 in.
Luminous Width: in.

Summary of Results

Integrating Sphere

Luminous Flux: 3047 Lumens
Efficacy: 105.01 lm/w
CCT: 3547 K
CRI (Ra): 94.2

Distribution

Total Luminaire Output: 2947 Lumens
Luminaire Efficacy: 101.5 lm/w
Maximum Candela: 1071 Candela

Electrical Data at 120 VAC

Test Temperature: 25.5 °C
Voltage: 120.1 VAC
Current: 0.2428 A
Power: 29.02 W
Power Factor: 0.995
Frequency: 60 Hz
Current THD: 8.36 %



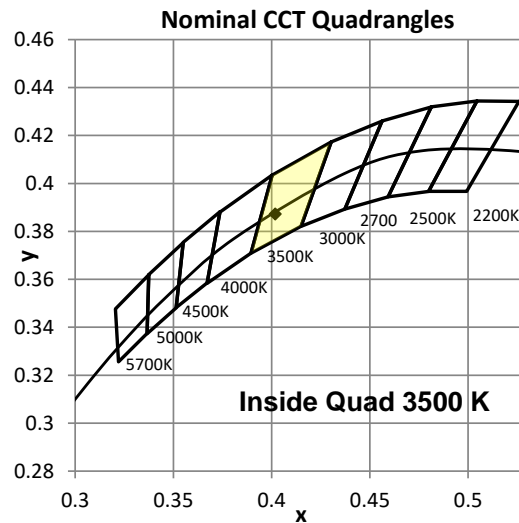
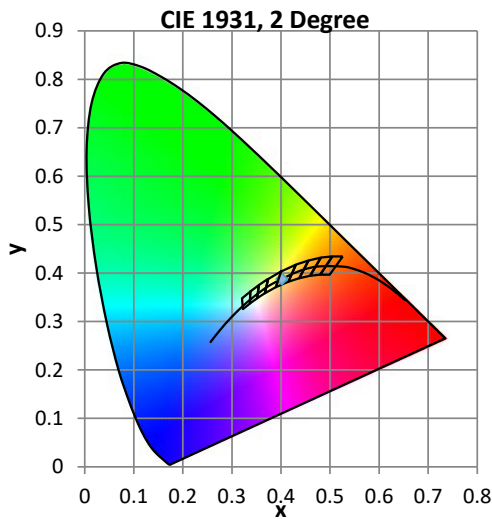
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.5 °C	120.1 VAC	0.2428 A	29.02 W	0.995	60 Hz	8.36 %

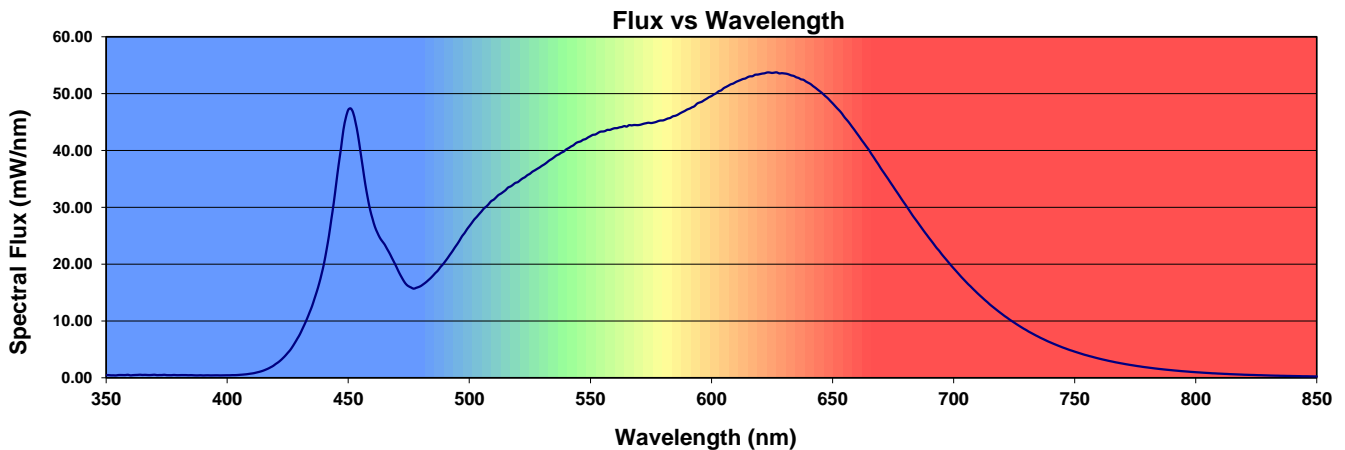
Summary of Results

Total Output:	3047 Lumens	Chromaticity (x):	0.4018
Efficacy:	105.0 lm/w	Chromaticity (y):	0.3873
CCT:	3547 K	Chromaticity (u'):	0.2348
CRI (Ra):	94.2	Chromaticity (v'):	0.5093
CRI (R9):	76.6	TM-30 Rf:	92.3
Peak Wavelength:	626 nm	TM-30 Rg:	100.9
Dominant Wavelength:	581 nm	Duv:	0.0008
S/P Ratio:	1.63		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94.2	95.1	95.7	94.1	94.8	94.1	92.9	95.9	90.8	76.6	88.3	94.3	77.1	95.2	96.1	94.0





Distribution - Goniophotometer

Distribution Test Conditions

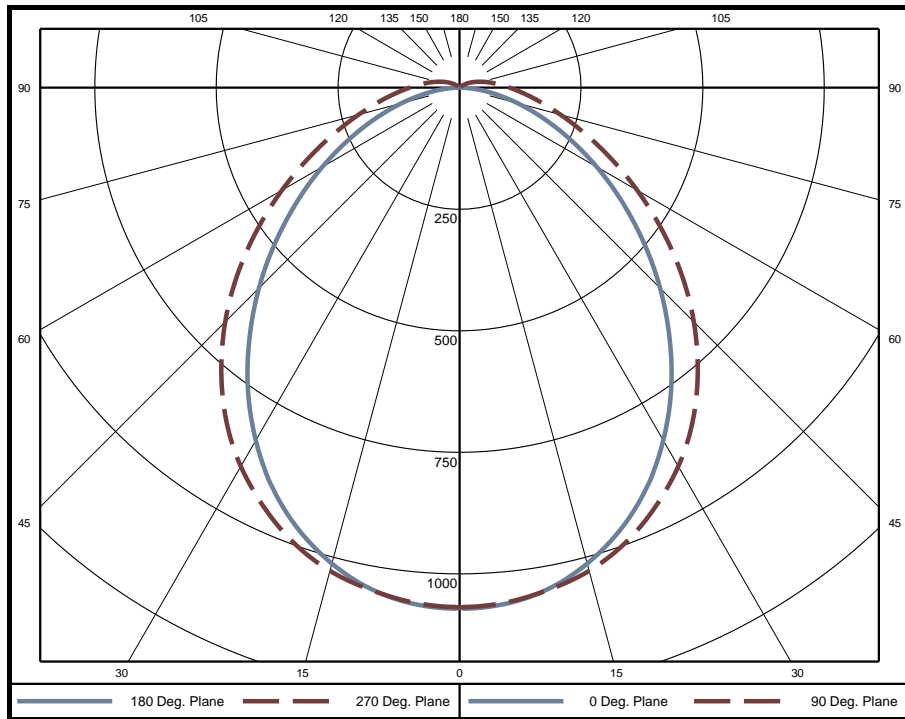
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.5 °C	120.2 VAC	0.2430 A	29.04 W	0.995	60 Hz	8.34 %

Summary of Results

Spacing Criteria
 0-180: 1.17
 90-270: 1.25

Total Lumen Output: 2947 Lumens
Luminaire Efficacy: 101.5 lm/w
Maximum Candela: 1071 Candela

Polar Plot



Zonal Lumen Summary

Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire	Zone	Lumens	% of Luminaire
0-5	25.5	0.9%	60-65	169.9	5.8%	120-125	2.2	0.1%
5-10	75.5	2.6%	65-70	140.4	4.8%	125-130	1.0	0.0%
10-15	122.6	4.2%	70-75	112.0	3.8%	130-135	0.3	0.0%
15-20	165.0	5.6%	75-80	86.3	2.9%	135-140	0.1	0.0%
20-25	200.5	6.8%	80-85	64.2	2.2%	140-145	0.0	0.0%
25-30	227.9	7.7%	85-90	46.0	1.6%	145-150	0	0.0%
30-35	246.0	8.3%	90-95	32.7	1.1%	150-155	0	0.0%
35-40	254.1	8.6%	95-100	23.2	0.8%	155-160	0	0.0%
40-45	252.3	8.6%	100-105	16.0	0.5%	160-165	0	0.0%
45-50	241.5	8.2%	105-110	10.7	0.4%	165-170	0	0.0%
50-55	222.7	7.6%	110-115	6.9	0.2%	170-175	0	0.0%
55-60	198.1	6.7%	115-120	4.2	0.1%	175-180	0	0.0%

Zone	Lumens	% of Luminaire
0-40	1317	44.7%
0-60	2232	75.7%
0-90	2851	96.7%
90-180	97	3.3%



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	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069	1069
5	1066	1061	1064	1063	1063	1063	1064	1061	1066	1061	1064	1063	1063	1063	1064	1061
10	1047	1043	1047	1049	1049	1049	1047	1043	1047	1043	1047	1049	1049	1049	1047	1043
15	1013	1012	1020	1026	1029	1026	1020	1012	1013	1012	1020	1026	1029	1026	1020	1012
20	967	969	983	993	996	993	983	969	967	969	983	993	996	993	983	969
25	909	914	932	946	951	946	932	914	909	914	932	946	951	946	932	914
30	838	847	873	892	899	892	873	847	838	847	873	892	899	892	873	847
35	758	772	805	828	836	828	805	772	758	772	805	828	836	828	805	772
40	672	690	730	755	762	755	730	690	672	690	730	755	762	755	730	690
45	583	605	650	675	681	675	650	605	583	605	650	675	681	675	650	605
50	494	519	567	591	595	591	567	519	494	519	567	591	595	591	567	519
55	407	435	484	506	507	506	484	435	407	435	484	506	507	506	484	435
60	326	354	404	423	421	423	404	354	326	354	404	423	421	423	404	354
65	250	279	329	345	342	345	329	279	250	279	329	345	342	345	329	279
70	183	213	261	276	273	276	261	213	183	213	261	276	273	276	261	213
75	123	155	203	218	215	218	203	155	123	155	203	218	215	218	203	155
80	73	108	155	170	168	170	155	108	73	108	155	170	168	170	155	108
85	31	70	116	132	131	132	116	70	31	70	116	132	131	132	116	70
90	0	43	85	101	103	101	85	43	0	43	85	101	103	101	85	43
95	0	24	61	77	80	77	61	24	0	24	61	77	80	77	61	24
100	0	11	42	59	62	59	42	11	0	11	42	59	62	59	42	11
105	0	4	28	43	47	43	28	4	0	4	28	43	47	43	28	4
110	0	1	18	31	35	31	18	1	0	1	18	31	35	31	18	1
115	0	0	10	21	24	21	10	0	0	0	10	21	24	21	10	0
120	0	0	5	13	16	13	5	0	0	0	5	13	16	13	5	0
125	0	0	1	7	10	7	1	0	0	0	1	7	10	7	1	0
130	0	0	0	3	5	3	0	0	0	0	0	3	5	3	0	0
135	0	0	0	1	2	1	0	0	0	0	0	1	2	1	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Average Luminance (cd/m²)
Horizontal Angle (Degrees)

	0	45	90
0	0	0	0
45	0	44500	32990
55	0	28600	21190
65	0	17560	12940
75	0	10190	7621
85	0	5621	4517

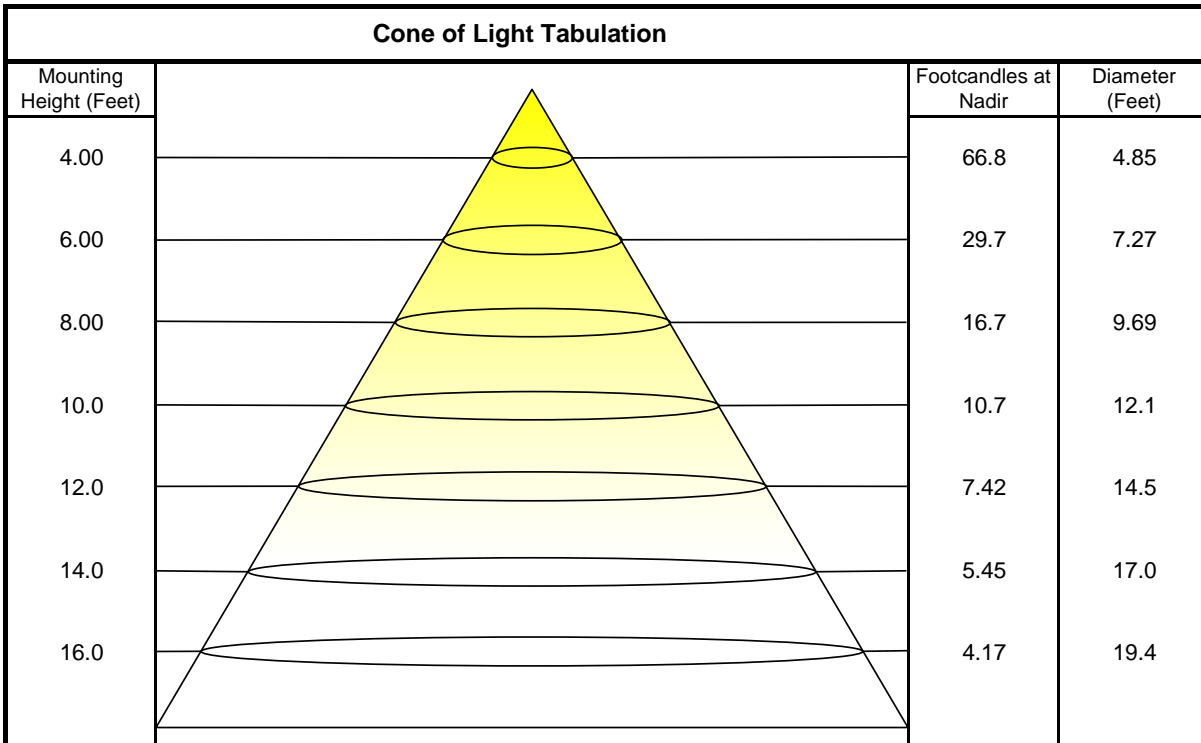


Coefficients of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	107	102	98	94	104	100	96	92	95	92	89	90	88	85	86	84	82	80
2	98	89	82	77	95	87	81	75	83	78	73	79	75	71	76	72	69	67
3	89	79	71	64	87	77	69	63	73	67	62	70	65	60	67	63	59	56
4	82	70	61	54	79	68	60	54	65	58	53	63	57	52	60	55	51	48
5	75	63	54	47	73	61	53	47	59	51	46	57	50	45	54	49	44	42
6	70	57	48	41	68	55	47	41	53	46	40	51	45	40	49	44	39	37
7	65	51	43	37	63	50	42	36	49	41	36	47	40	35	45	39	35	33
8	60	47	38	33	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	35	29	55	42	35	29	41	34	29	40	33	29	38	33	28	26
10	53	40	32	27	51	39	32	27	38	31	26	37	31	26	36	30	26	24

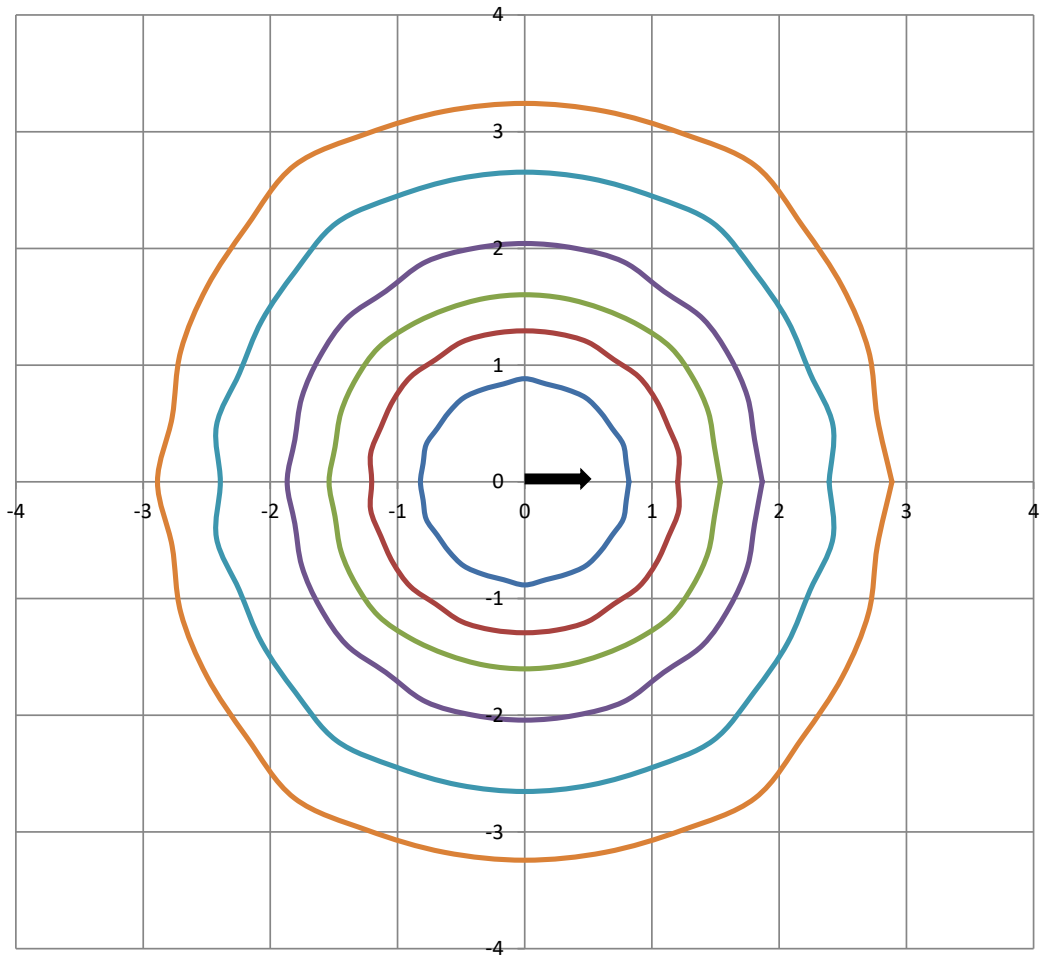
Beam and Field Information	
CIE Type:	Direct
Center Beam Intensity:	1069 Candela
Central Cone Intensity:	1067 Candela
Beam Flux:	1872.7 Lumens
Beam Angle (0-180):	95.5 Degrees
Beam Angle (90-270):	106.9 Degrees
Field Angle (0-180):	153.1 Degrees
Field Angle (90-270):	178.3 Degrees





ISOFootcandle Plot

Mounting Height - 8 Feet



Grid Lines in Units of Mounting Height

