



BSS532-4-35-ND-1-R-NA-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: 2832 Lumens
Efficacy: 98.3 lm/w
CCT: 3550 K
CRI (Ra): 94.0

Distribution

Total Luminaire Output: 2802 Lumens
Luminaire Efficacy: 97.3 lm/w
Maximum Candela: 1099 Candela

Electrical Data at 120 VAC

Test Temperature: 24.2 °C
Voltage: 120.1 VAC
Current: 0.2412 A
Power: 28.81 W
Power Factor: 0.995
Frequency: 60 Hz
Current THD: 8.54 %



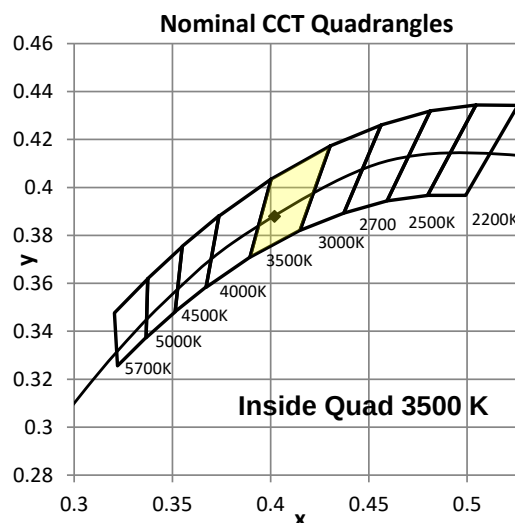
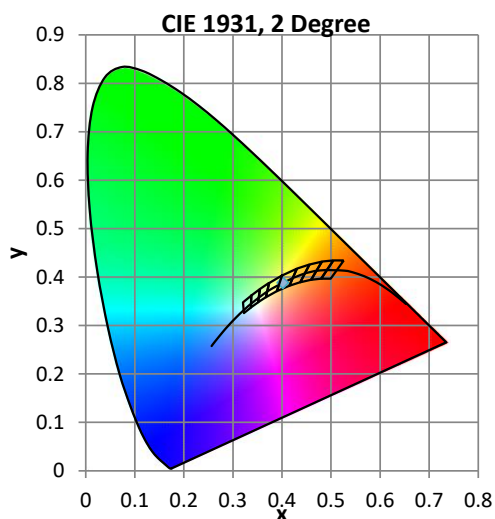
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.2 °C	120.1 VAC	0.2412 A	28.81 W	0.995	60 Hz	8.54 %

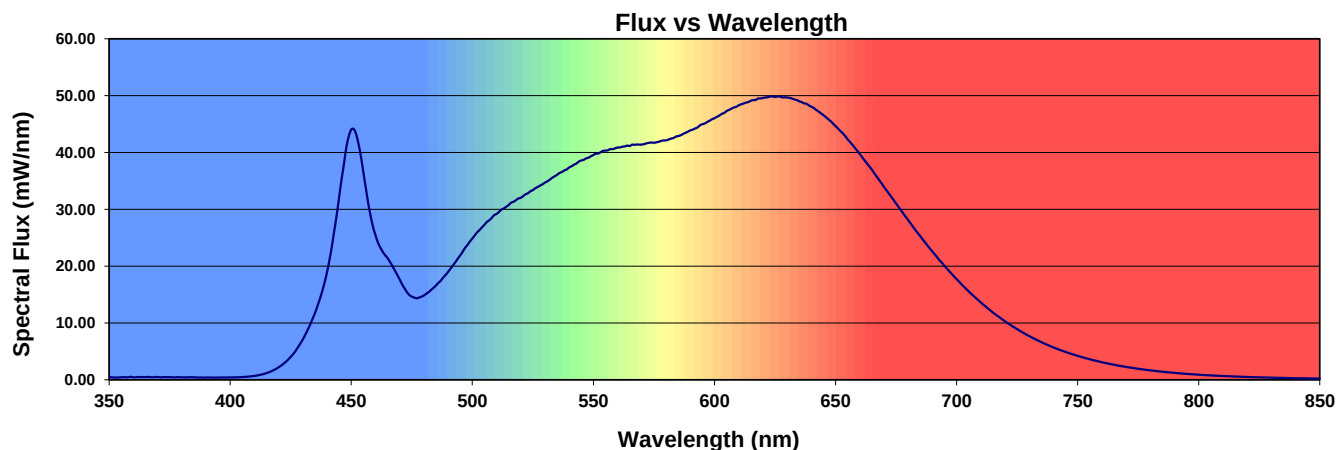
Summary of Results

Total Output:	2832 Lumens	Chromaticity (x):	0.4019
Efficacy:	98.3 lm/w	Chromaticity (y):	0.3879
CCT:	3550 K	Chromaticity (u'):	0.2347
CRI (Ra):	94.0	Chromaticity (v'):	0.5096
CRI (R9):	75.8	TM-30 Rf:	92.3
Peak Wavelength:	625 nm	TM-30 Rg:	100.9
Dominant Wavelength:	581 nm	Duv:	0.0006
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
94.0	94.8	95.4	94.0	94.6	93.8	92.7	95.8	90.6	75.8	87.8	94.2	76.9	94.9	96.1	93.5





Distribution - Goniophotometer

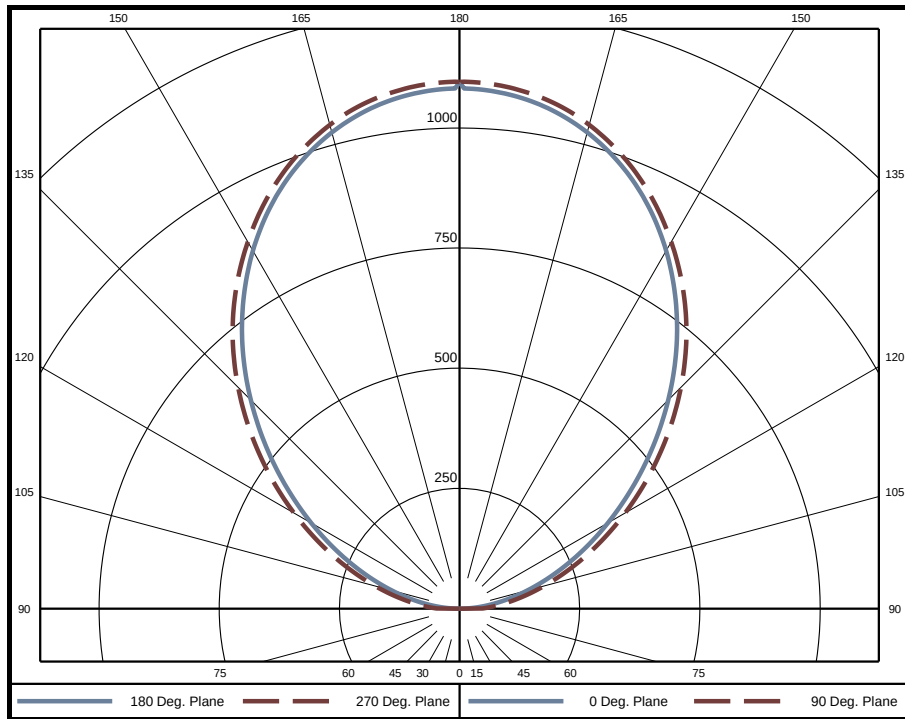
Distribution Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.3 °C	120.1 VAC	0.2409 A	28.79 W	0.995	60 Hz	8.57 %

Summary of Results

Total Lumen Output:	2802 Lumens
Luminaire Efficacy:	97.3 lm/w
Maximum Candela:	1099 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	0.0%	120-125	196.5	7.0%
5-10	0	0.0%	65-70	0	0.0%	125-130	221.6	7.9%
10-15	0	0.0%	70-75	0	0.0%	130-135	241.0	8.6%
15-20	0	0.0%	75-80	0	0.0%	135-140	252.6	9.0%
20-25	0	0.0%	80-85	0	0.0%	140-145	255.0	9.1%
25-30	0	0.0%	85-90	0	0.0%	145-150	247.4	8.8%
30-35	0	0.0%	90-95	25.7	0.9%	150-155	230.0	8.2%
35-40	0	0.0%	95-100	48.1	1.7%	155-160	203.3	7.3%
40-45	0	0.0%	100-105	75.2	2.7%	160-165	167.8	6.0%
45-50	0	0.0%	105-110	105.2	3.8%	165-170	125.2	4.5%
50-55	0	0.0%	110-115	136.7	4.9%	170-175	77.3	2.8%
55-60	0	0.0%	115-120	167.6	6.0%	175-180	26.1	0.9%



Candela Tabulation
Horizontal Angle (Degrees)

Vertical 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
	5	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
	15	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
	25	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
	35	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
	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	42	55	69	78	80	78	69	55	42	55	69	78	80	78	69	55
100	90	104	116	124	126	124	116	104	90	104	116	124	126	124	116	104
105	146	162	173	180	182	180	173	162	146	162	173	180	182	180	173	162
110	209	227	239	245	246	245	239	227	209	227	239	245	246	245	239	227
115	279	298	311	318	319	318	311	298	279	298	311	318	319	318	311	298
120	356	376	389	396	397	396	389	376	356	376	389	396	397	396	389	376
125	438	459	472	479	481	479	472	459	438	459	472	479	481	479	472	459
130	525	545	558	564	566	564	558	545	525	545	558	564	566	564	558	545
135	614	633	646	649	651	649	646	633	614	633	646	649	651	649	646	633
140	701	719	731	732	734	732	731	719	701	719	731	732	734	732	731	719
145	784	800	809	809	811	809	809	800	784	800	809	809	811	809	809	800
150	859	875	881	880	881	880	881	875	859	875	881	880	881	880	881	875
155	926	942	945	944	945	944	945	942	926	942	945	944	945	944	945	942
160	982	997	1000	998	999	998	1000	997	982	997	1000	998	999	998	1000	997
165	1026	1041	1043	1041	1042	1041	1043	1041	1026	1041	1043	1041	1042	1041	1043	1041
170	1057	1073	1074	1072	1072	1072	1074	1073	1057	1073	1074	1072	1072	1072	1074	1073
175	1076	1091	1093	1090	1090	1090	1093	1091	1076	1091	1093	1090	1090	1090	1093	1091
180	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095	1095



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	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	57	51	61	54	49	44	37	34	31	21	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	5	5	4	0
6	55	44	36	31	47	38	32	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:	1095 Candela
Central Cone Intensity:	1093 Candela
Beam Flux:	2801.4 Lumens
Beam Angle (0-180):	97.5 Degrees
Beam Angle (90-270):	102.1 Degrees
Field Angle (0-180):	156.4 Degrees
Field Angle (90-270):	163.3 Degrees