



UL Verification Services Inc.  
7826 East Evans Road  
Scottsdale, AZ 85260  
480-991-9260

## Photometric Indoor Test Report

Relevant Standards  
IES LM-79-2008  
ANSI C82.77-2002

Prepared For  
Go Green Solutions  
532 S. Lake Ave.  
Pasadena, CA 91101

Catalog Number  
7200412-JLB  
Project Number  
10480482  
Test Number  
33419

Test Date

2014-09-15

Prepared By

Handwritten signature of Dennis Boyles in black ink.

Dennis Boyles, Technician

Approved By

Handwritten signature of Jim Domigan in black ink.

Jim Domigan, Laboratory Team Leader

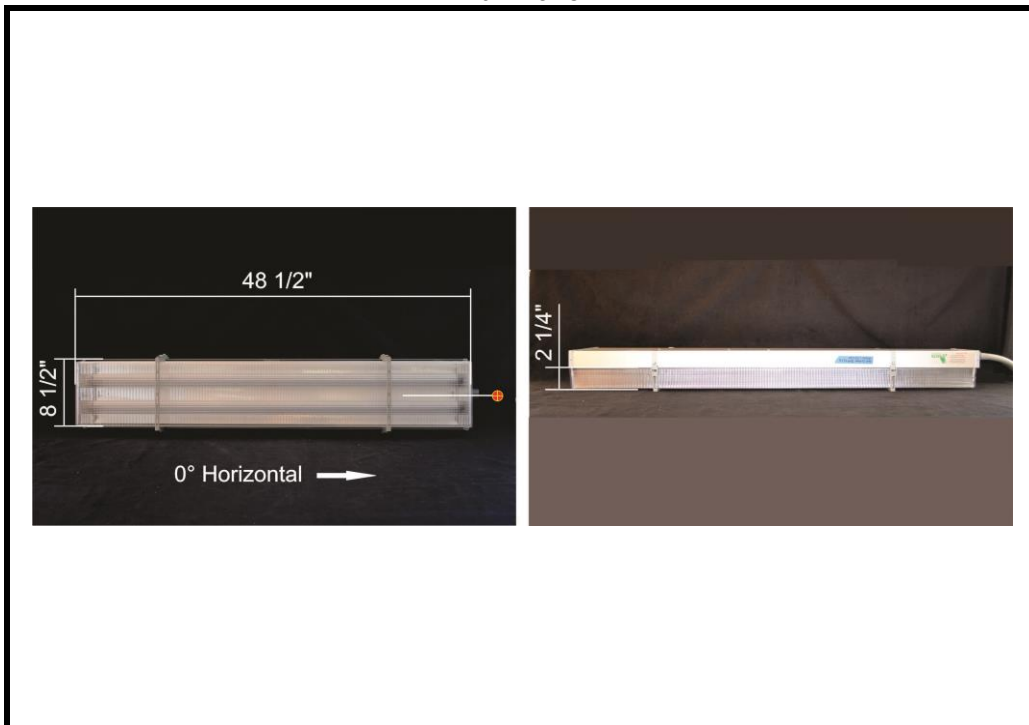
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Luminaire Description: Go Green Prismatic 4' LED Fixture  
Catalog Number: 7200412-JLB  
Lamp: Two Go Green 18 watt Stripped LED tubes  
Lamp Catalog Number: T8N48-18W S  
Ballast/Driver: Self Driven

### Luminaire



### Test Conditions

Test Temperature:	24.8 °C
Voltage:	277.0 VAC
Current:	0.1331 A
Power:	35.90 W
Power Factor:	0.976
Frequency:	60 Hz
Current THD:	16.5 %





BEAM SIDE  
INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	67.5	45	22.5	ACROSS	AVERAGE	
0	96	96	96	96	96	96	
5	100	102	107	110	110	106	5
10	105	114	127	133	133	123	
15	105	122	146	154	153	138	20
20	103	128	161	175	172	150	
25	99	132	174	207	203	166	39
30	93	130	195	247	265	188	
35	85	143	247	391	470	265	88
40	77	165	314	590	934	393	
45	72	171	374	887	1248	523	202
50	67	164	432	1200	1345	626	
55	59	153	472	1223	1237	624	276
60	64	144	472	1085	1180	581	
65	61	131	480	1007	1041	542	272
70	49	114	549	948	1078	543	
75	43	98	567	1030	1192	578	306
80	35	93	547	1165	1329	622	
85	22	84	550	1240	1431	650	353
90	12	79	580	1268	1454	665	
95	23	83	565	1257	1412	655	356
100	36	89	549	1189	1366	632	
105	45	97	574	1048	1240	590	314
110	52	114	574	957	1091	554	
115	61	134	514	937	1032	533	267
120	67	147	473	1007	1047	546	
125	65	155	497	1110	1146	592	263
130	73	166	468	1181	1213	614	
135	79	174	414	987	1251	560	210
140	84	168	305	658	992	417	
145	91	151	263	471	636	312	99
150	99	136	211	292	291	209	
155	104	137	184	215	229	175	42
160	108	135	172	189	182	160	
165	109	130	157	165	163	147	21
170	109	122	137	143	143	132	
175	105	110	116	119	119	114	6
180	101	101	101	101	101	101	



OPPOSITE SIDE TO BEAM  
INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	112.5	135	157.5	ACROSS	AVERAGE	
0	96	96	96	96	96	96	
5	100	103	107	111	112	107	6
10	105	109	125	148	160	129	
15	105	116	153	184	186	150	21
20	103	117	175	185	185	155	
25	99	113	176	166	136	143	33
30	93	108	169	122	107	125	
35	85	104	154	106	112	116	36
40	77	98	128	104	120	107	
45	72	86	107	107	109	97	37
50	67	73	92	95	87	84	
55	59	59	81	75	66	69	31
60	64	47	70	53	51	57	
65	61	38	57	39	32	45	22
70	49	32	42	25	19	33	
75	43	26	25	14	11	23	12
80	35	19	11	4	2	13	
85	22	13	6	2	1	8	5
90	12	11	6	2	1	6	
95	23	14	7	3	1	9	5
100	36	20	13	7	4	15	
105	45	27	27	17	14	25	13
110	52	33	43	29	24	36	
115	61	39	58	43	37	47	23
120	67	47	72	58	53	59	
125	65	59	83	80	69	72	32
130	73	71	95	97	91	86	
135	79	81	112	103	107	97	37
140	84	90	133	103	113	106	
145	91	97	150	107	107	113	36
150	99	103	160	131	111	125	
155	104	107	165	167	152	142	32
160	108	111	152	176	175	145	
165	109	110	134	162	171	136	19
170	109	105	116	130	136	118	
175	105	100	103	105	106	103	5
180	101	101	101	101	101	101	



COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	90				80				70				50				30				10				0
	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	0	1	1.151	1.151	1.151	1.15	1.071	1.071	1.071	1.07	0.990	0.990	0.990	0.99	0.830	0.830	0.83	0.690	0.690	0.69	0.560	0.560	0.56	0.50	
	1	1.010	0.940	0.880	0.83	0.930	0.870	0.810	0.76	0.850	0.800	0.750	0.70	0.660	0.620	0.59	0.540	0.510	0.48	0.420	0.400	0.38	0.32		
	2	0.900	0.790	0.700	0.63	0.830	0.730	0.650	0.58	0.750	0.670	0.600	0.53	0.550	0.500	0.45	0.440	0.400	0.36	0.340	0.310	0.28	0.23		
	3	0.810	0.680	0.580	0.50	0.740	0.630	0.530	0.46	0.670	0.570	0.490	0.43	0.470	0.410	0.35	0.370	0.330	0.29	0.290	0.250	0.22	0.17		
	4	0.740	0.590	0.490	0.41	0.670	0.540	0.450	0.38	0.610	0.500	0.410	0.35	0.410	0.340	0.29	0.330	0.270	0.23	0.250	0.210	0.18	0.14		
	5	0.670	0.510	0.410	0.34	0.610	0.470	0.380	0.31	0.550	0.430	0.350	0.29	0.360	0.290	0.24	0.280	0.230	0.19	0.220	0.180	0.14	0.11		
	6	0.610	0.450	0.350	0.28	0.560	0.420	0.330	0.26	0.500	0.380	0.300	0.24	0.310	0.250	0.20	0.250	0.200	0.16	0.190	0.150	0.11	0.08		
	7	0.560	0.400	0.300	0.24	0.510	0.370	0.280	0.22	0.460	0.340	0.260	0.20	0.280	0.210	0.16	0.220	0.170	0.13	0.170	0.120	0.09	0.06		
	8	0.510	0.360	0.260	0.20	0.470	0.330	0.240	0.18	0.420	0.300	0.220	0.17	0.250	0.180	0.14	0.200	0.140	0.11	0.150	0.110	0.08	0.05		
	9	0.470	0.320	0.230	0.17	0.430	0.300	0.210	0.16	0.390	0.270	0.200	0.14	0.220	0.160	0.12	0.180	0.130	0.09	0.130	0.090	0.06	0.04		
	10	0.440	0.290	0.200	0.15	0.400	0.270	0.190	0.14	0.360	0.240	0.170	0.12	0.200	0.140	0.10	0.160	0.110	0.08	0.120	0.080	0.05	0.03		

THE ABOVE COEFFICIENTS HAVE BEEN CALCULATED BASED ON LUMINAIRE LUMENS  
 BECAUSE IN AN ABSOLUTE TEST THE BARE LAMP LUMENS ARE UNKNOWN.  
 LIGHTING DESIGN CALCULATIONS MADE USING THESE COEFFICIENTS SHOULD  
 THEREFORE USE THE LUMINAIRE LUMENS IN THE CALCULATION FORMULA

LABORATORY RESULTS MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.  
 BALLAST AND FIELD FACTORS HAVE NOT BEEN APPLIED.

TEST DISTANCE EXCEEDS FIVE TIMES THE GREATEST  
 LUMINOUS OPENING OF LUMINAIRE.