



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  
33417

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

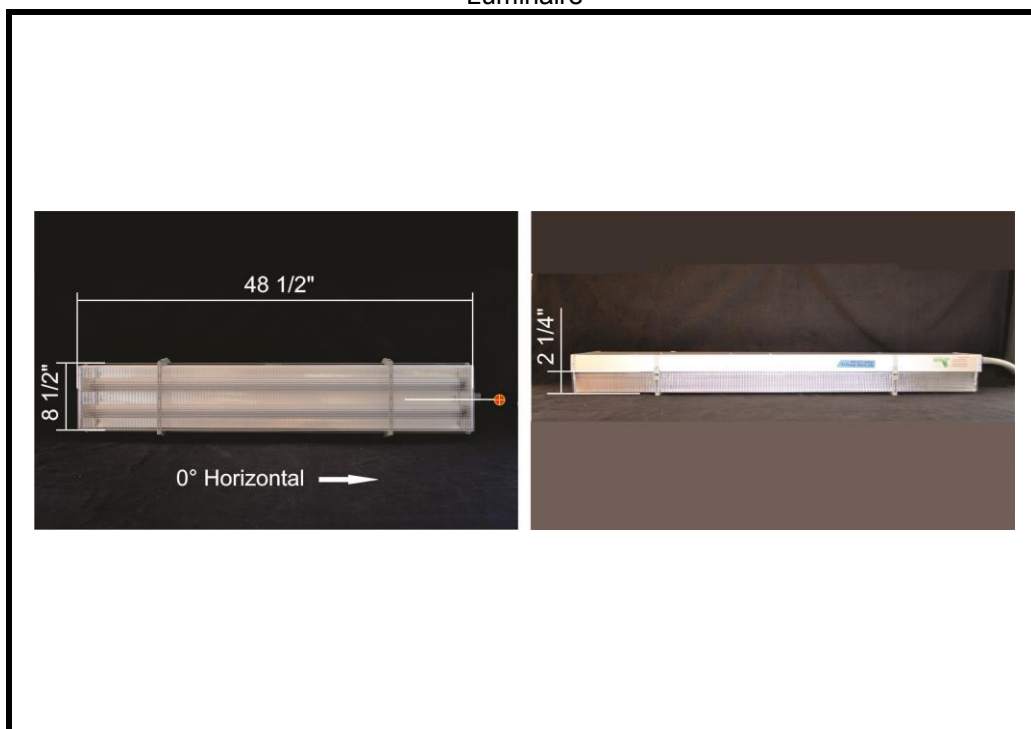
The results contained in this report pertain only to the tested sample.  
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Luminaire Description: Go Green Prismatic 4' LED Fixture  
Catalog Number: 7200412-JLB  
Lamp: Two Go Green 16 watt Natural White LED tubes  
Lamp Catalog Number: T12N48-16W  
Ballast/Driver: Self Driven

### Luminaire

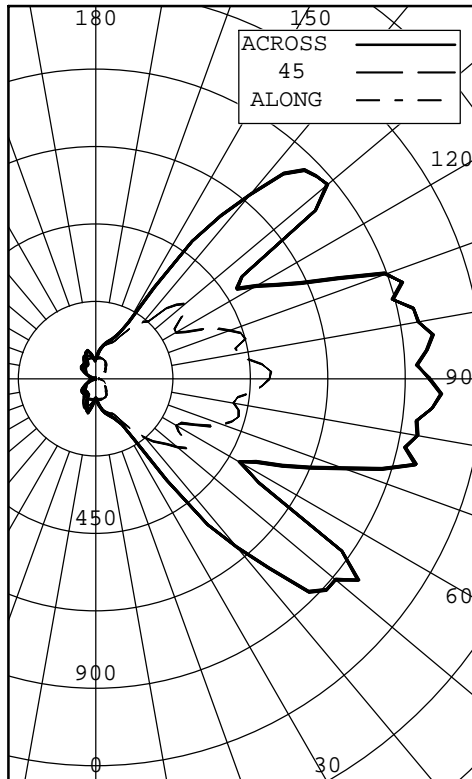


### Test Conditions

Test Temperature:	24.8 °C
Voltage:	277.0 VAC
Current:	0.1390 A
Power:	36.20 W
Power Factor:	0.940
Frequency:	60 Hz
Current THD:	29.5 %



INTENSITY (CANDLEPOWER) SUMMARY OUTPUT  
 BEAM SIDE LUMENS



ANGLE	ALONG	67.5	45	22.5	ACROSS	OUTPUT LUMENS
0	59	59	59	59	59	
5	60	63	68	69	70	3
15	63	76	96	102	102	13
25	62	84	113	130	127	25
35	54	98	179	277	362	61
45	42	115	265	611	877	139
55	34	98	322	768	873	178
65	29	98	319	527	599	164
75	24	70	430	816	964	228
85	15	62	459	882	983	257
90	9	57	505	893	970	
95	14	56	486	873	967	261
105	23	63	451	824	894	236
115	28	84	341	529	659	168
125	35	92	298	682	520	160
135	42	115	291	698	858	145
145	53	101	184	312	490	68
155	61	85	117	136	137	27
165	63	80	101	107	107	13
175	60	65	71	73	74	4
180	58	58	58	58	58	

BOTH SIDES  
 ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	72	3.05
0-40	151	6.39
0-60	502	21.30
0-90	1173	49.77
40-90	1023	43.38
60-90	671	28.46
90-180	1184	50.23
0-180	2358	100.00

EFFICACY (LUMENS PER WATT): 65.1

\*\*\* THIS IS AN ABSOLUTE TEST \*\*\*

LUMINOUS LENGTH: 8.500 INS  
 WIDTH: 48.500 INS

LUMINANCE SUMMARY - CD./SQ.M.

ANGLE	BEAM SIDE		
	ALONG	45	ACROSS
45	223	1369	4472
55	222	2025	5389
65	258	2662	4866
75	348	5569	11980
85	647	14428	27809

TESTED IN ACCORDANCE WITH IES PROCEDURES.



BEAM SIDE  
INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE					AVERAGE	OUTPUT LUMENS
	ALONG	67.5	45	22.5	ACROSS		
0	59	59	59	59	59	59	
5	60	63	68	69	70	66	3
10	63	71	82	87	87	79	
15	63	76	96	102	102	89	13
20	63	80	105	115	114	97	
25	62	84	113	130	127	105	25
30	59	83	133	175	155	124	
35	54	98	179	277	362	190	61
40	47	114	226	385	641	267	
45	42	115	265	611	877	363	139
50	38	111	310	834	910	432	
55	34	98	322	768	873	411	178
60	47	86	270	726	483	337	
65	29	98	319	527	599	315	164
70	26	84	392	602	764	368	
75	24	70	430	816	964	452	228
80	20	67	407	814	950	443	
85	15	62	459	882	983	475	257
90	9	57	505	893	970	486	
95	14	56	486	873	967	476	261
100	20	60	423	921	953	472	
105	23	63	451	824	894	449	236
110	26	72	413	711	895	414	
115	28	84	341	529	659	324	168
120	38	87	269	605	541	313	
125	35	92	298	682	520	337	160
130	38	111	340	793	880	426	
135	42	115	291	698	858	389	145
140	47	113	217	440	700	286	
145	53	101	184	312	490	217	68
150	58	85	144	210	189	141	
155	61	85	117	136	137	109	27
160	62	83	110	121	119	101	
165	63	80	101	107	107	93	13
170	63	74	86	92	93	83	
175	60	65	71	73	74	69	4
180	58	58	58	58	58	58	



OPPOSITE SIDE TO BEAM  
INTENSITY (CANDLEPOWER) DATA

ANGLE	PLANE					AVERAGE	OUTPUT LUMENS
	ALONG	112.5	135	157.5	ACROSS		
0	59	59	59	59	59	59	
5	60	62	65	67	68	65	3
10	63	65	72	82	89	74	
15	63	69	81	97	99	82	11
20	63	68	93	86	80	80	
25	62	64	86	68	58	70	16
30	59	62	74	53	49	61	
35	54	58	63	48	50	55	17
40	47	53	52	48	56	51	
45	42	46	43	51	56	47	18
50	38	39	37	48	52	42	
55	34	32	34	42	45	37	17
60	47	25	30	36	35	33	
65	29	21	25	26	22	24	12
70	26	18	19	17	15	19	
75	24	15	13	10	8	13	7
80	20	12	6	3	1	8	
85	15	8	3	1	1	5	3
90	9	7	3	1	1	4	
95	14	8	4	2	1	5	3
100	20	12	8	4	3	9	
105	23	15	13	12	11	14	8
110	26	18	19	21	19	20	
115	28	20	26	30	27	26	13
120	38	24	30	39	39	33	
125	35	29	34	44	49	37	17
130	38	35	38	48	53	42	
135	42	41	44	48	56	45	17
140	47	46	53	46	53	49	
145	53	51	62	47	48	52	17
150	58	54	72	54	49	58	
155	61	58	79	72	62	68	15
160	62	60	74	84	82	72	
165	63	60	69	77	85	70	10
170	63	58	62	67	72	64	
175	60	56	57	58	58	58	3
180	58	58	58	58	58	58	



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	1.151	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	0.930	0.870	0.82	0.930	0.860	0.800	0.75	0.850	0.790	0.740	0.69	0.650	0.610	0.58	0.530	0.500	0.47	0.410	0.390	0.37	0.32			
	2	0.900	0.790	0.700	0.62	0.820	0.720	0.640	0.57	0.750	0.660	0.590	0.52	0.540	0.490	0.44	0.430	0.390	0.35	0.330	0.300	0.27	0.22			
	3	0.810	0.670	0.570	0.49	0.740	0.620	0.530	0.45	0.670	0.560	0.480	0.42	0.460	0.400	0.34	0.370	0.320	0.28	0.280	0.240	0.21	0.16			
	4	0.730	0.580	0.480	0.40	0.670	0.540	0.440	0.37	0.610	0.490	0.410	0.34	0.400	0.330	0.28	0.320	0.270	0.22	0.240	0.200	0.17	0.13			
	5	0.670	0.500	0.410	0.33	0.610	0.470	0.380	0.30	0.550	0.430	0.340	0.28	0.350	0.280	0.23	0.280	0.220	0.18	0.210	0.170	0.14	0.10			
	6	0.610	0.450	0.350	0.28	0.550	0.410	0.320	0.25	0.500	0.380	0.290	0.23	0.310	0.240	0.19	0.240	0.190	0.15	0.180	0.140	0.11	0.08			
	7	0.550	0.400	0.300	0.23	0.510	0.360	0.270	0.21	0.460	0.330	0.250	0.19	0.270	0.200	0.16	0.210	0.160	0.12	0.160	0.120	0.09	0.06			
	8	0.510	0.360	0.260	0.20	0.460	0.330	0.240	0.18	0.420	0.300	0.220	0.16	0.240	0.180	0.13	0.190	0.140	0.10	0.140	0.100	0.07	0.05			
	9	0.470	0.320	0.230	0.17	0.430	0.290	0.210	0.15	0.390	0.270	0.190	0.14	0.220	0.160	0.11	0.170	0.120	0.09	0.130	0.090	0.06	0.04			
	10	0.430	0.290	0.200	0.14	0.400	0.270	0.180	0.13	0.360	0.240	0.170	0.12	0.200	0.140	0.10	0.160	0.110	0.07	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.