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

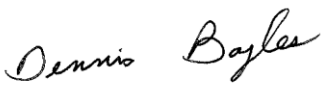
Prepared For
Go Green Solutions
532 S. Lake Ave.
Pasadena, CA 91101

Catalog Number
7200412-JLB
Project Number
10480482
Test Number
33415

Test Date

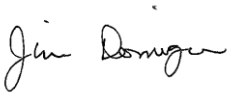
2014-09-15

Prepared By



Dennis Boyles, Technician

Approved By



Jim Domigan, Laboratory Team Leader

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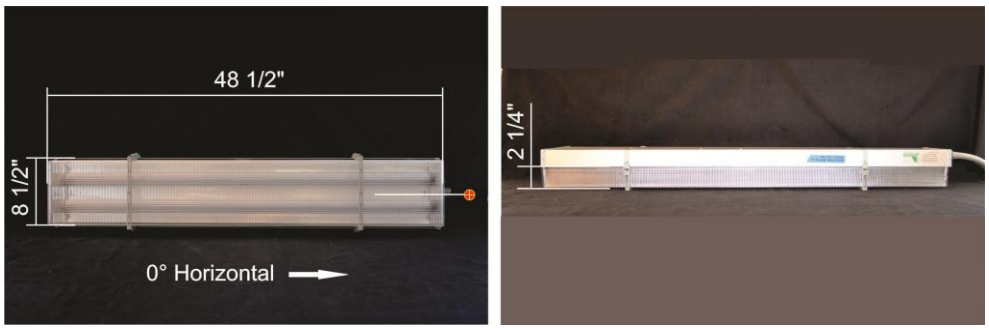
Luminaire Description:	Go Green Prismatite 4' LED Fixture
Catalog Number:	7200412-JLB
Lamp:	Two Go Green Metro 14 watt LED tubes
Lamp Catalog Number:	T12D48-14W ND22
Ballast/Driver:	Self Driven

Luminaire



Test Conditions

Test Temperature:	24.7	°C
Voltage:	277.0	VAC
Current:	0.09910	A
Power:	26.20	W
Power Factor:	0.955	
Frequency:	60	Hz
Current THD:	13.0	%

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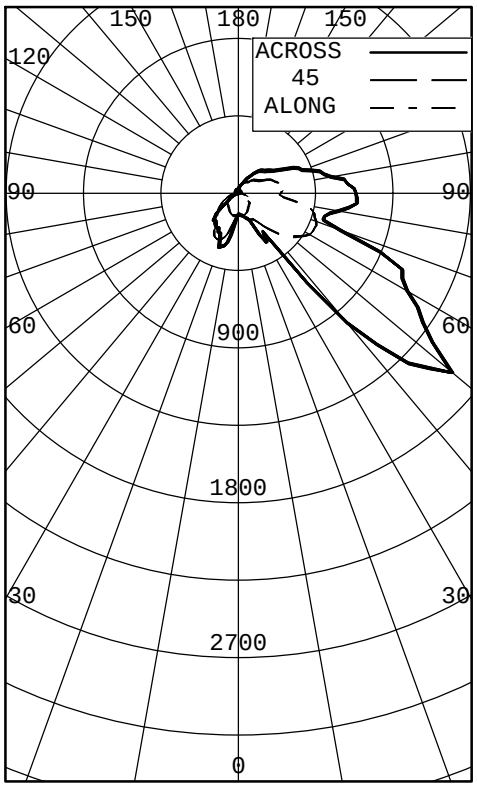

INTENSITY(CANDLEPOWER) SUMMARY

ANGLE	ALONG	BEAM SIDE 67.5	45	22.5	ACROSS	OUTPUT LUMENS
0	127	127	127	127	127	
5	129	128	128	127	128	6
15	134	138	148	147	145	20
25	121	139	174	209	212	39
35	102	128	212	386	375	84
45	91	154	339	857	1401	206
55	72	140	440	1396	1310	293
65	92	119	489	1052	1052	267
75	51	78	458	489	520	183
85	19	50	265	562	693	170
90	8	45	247	618	683	
95	15	45	272	562	641	164
105	22	48	243	421	494	127
115	22	59	186	299	352	90
125	21	50	131	217	230	59
135	20	50	105	176	186	42
145	19	46	81	118	125	25
155	20	38	60	72	73	13
165	19	32	46	50	49	6
175	18	22	26	28	29	1
180	17	17	17	17	17	

BOTH SIDES
ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	160	7.45
0-40	304	14.18
0-60	906	42.28
0-90	1572	73.38
40-90	1268	59.20
60-90	666	31.10
90-180	570	26.62
0-180	2142	100.00

EFFICACY (LUMENS PER WATT): 81.8

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS LENGTH: 8.500 INS
WIDTH: 48.500 INS

LUMINANCE SUMMARY - CD./SQ.M.

ANGLE	ALONG	BEAM SIDE 45	ACROSS
45	483	1749	7147
55	471	2765	8081
65	818	4077	8546
75	740	5928	6461
85	819	8340	19617

TESTED IN ACCORDANCE WITH IES PROCEDURES.

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BEAM SIDE
INTENSITY(CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT
	ALONG	67.5	45	22.5	ACROSS	AVERAGE	LUMENS
0	127	127	127	127	127	127	
5	129	128	128	127	128	128	6
10	134	133	136	135	135	134	
15	134	138	148	147	145	143	20
20	129	141	160	164	161	153	
25	121	139	174	209	212	172	39
30	111	132	178	213	330	186	
35	102	128	212	386	375	241	84
40	96	142	271	642	987	399	
45	91	154	339	857	1401	524	206
50	85	150	396	1322	1625	681	
55	72	140	440	1396	1310	667	293
60	70	135	483	1183	1133	601	
65	92	119	489	1052	1052	558	267
70	65	96	483	793	636	431	
75	51	78	458	489	520	328	183
80	36	67	399	494	598	319	
85	19	50	265	562	693	309	170
90	8	45	247	618	683	314	
95	15	45	272	562	641	302	164
100	20	45	271	485	549	271	
105	22	48	243	421	494	242	127
110	23	54	217	349	396	207	
115	22	59	186	299	352	183	90
120	22	56	146	244	269	148	
125	21	50	131	217	230	131	59
130	21	49	119	203	202	121	
135	20	50	105	176	186	108	42
140	20	49	87	156	161	96	
145	19	46	81	118	125	79	25
150	19	41	69	85	101	64	
155	20	38	60	72	73	54	13
160	20	35	53	60	58	47	
165	19	32	46	50	49	40	6
170	19	27	36	41	42	34	
175	18	22	26	28	29	25	1
180	17	17	17	17	17	17	

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OPPOSITE SIDE TO BEAM
INTENSITY(CANDLEPOWER) DATA

ANGLE	PLANE						OUTPUT
	ALONG	112.5	135	157.5	ACROSS	AVERAGE	LUMENS
0	127	127	127	127	127	127	
5	129	134	143	150	156	142	8
10	134	146	180	227	251	186	
15	134	157	244	299	315	231	32
20	129	162	283	328	338	252	
25	121	158	295	279	257	230	53
30	111	153	286	241	231	213	
35	102	143	238	224	231	193	60
40	96	135	203	210	208	175	
45	91	122	178	177	194	155	60
50	85	106	154	154	118	129	
55	72	84	132	93	68	95	43
60	70	66	112	53	48	72	
65	92	53	86	38	26	59	29
70	65	45	60	22	14	41	
75	51	32	29	11	7	25	14
80	36	23	11	3	0	14	
85	19	14	4	1	0	7	4
90	8	10	4	1	1	5	
95	15	9	4	2	1	6	3
100	20	11	6	2	1	8	
105	22	13	9	4	3	10	5
110	23	14	12	8	6	12	
115	22	15	14	11	10	14	7
120	22	15	16	15	14	16	
125	21	15	18	17	18	18	8
130	21	16	19	20	20	19	
135	20	16	19	20	22	19	7
140	20	16	19	21	22	19	
145	19	16	20	20	21	19	6
150	19	16	20	20	19	19	
155	20	16	19	21	20	19	4
160	20	16	17	20	21	18	
165	19	15	16	18	18	17	2
170	19	14	15	15	15	15	
175	18	15	15	14	13	15	1
180	17	17	17	17	17	17	

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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC	90				80				70				50			30			10			0
WALL	70	50	30	10	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																						
0	1.18	1.18	1.18	1.18	1.13	1.13	1.13	1.13	1.07	1.07	1.07	1.07	0.96	0.96	0.96	0.87	0.87	0.87	0.78	0.78	0.78	0.73
1	1.05	0.98	0.92	0.87	0.99	0.93	0.88	0.83	0.94	0.88	0.83	0.79	0.79	0.75	0.72	0.70	0.67	0.65	0.63	0.60	0.58	0.54
2	0.94	0.83	0.75	0.67	0.89	0.79	0.71	0.64	0.83	0.75	0.67	0.61	0.67	0.61	0.56	0.59	0.55	0.50	0.53	0.49	0.46	0.42
3	0.84	0.71	0.61	0.53	0.79	0.67	0.58	0.51	0.74	0.64	0.55	0.48	0.57	0.50	0.44	0.50	0.45	0.40	0.45	0.40	0.36	0.33
4	0.76	0.62	0.51	0.43	0.72	0.58	0.49	0.41	0.67	0.55	0.47	0.39	0.49	0.42	0.36	0.44	0.38	0.33	0.39	0.34	0.30	0.26
5	0.69	0.53	0.43	0.35	0.65	0.50	0.41	0.33	0.61	0.48	0.39	0.32	0.43	0.35	0.29	0.38	0.31	0.26	0.33	0.28	0.24	0.21
6	0.63	0.47	0.36	0.29	0.59	0.44	0.34	0.27	0.55	0.42	0.33	0.26	0.37	0.29	0.24	0.33	0.26	0.21	0.29	0.23	0.19	0.16
7	0.57	0.41	0.30	0.24	0.53	0.39	0.29	0.23	0.50	0.36	0.28	0.21	0.32	0.25	0.19	0.29	0.22	0.17	0.25	0.20	0.15	0.13
8	0.52	0.36	0.27	0.20	0.49	0.34	0.25	0.19	0.46	0.32	0.24	0.18	0.29	0.21	0.16	0.26	0.19	0.15	0.22	0.17	0.13	0.11
9	0.48	0.33	0.23	0.17	0.45	0.31	0.22	0.16	0.42	0.29	0.21	0.15	0.26	0.19	0.14	0.23	0.17	0.12	0.20	0.15	0.11	0.08
10	0.44	0.29	0.20	0.14	0.42	0.28	0.19	0.14	0.39	0.26	0.18	0.13	0.23	0.16	0.12	0.21	0.14	0.10	0.18	0.13	0.09	0.07

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.