



8165 E Kaiser Blvd. Anaheim, CA 92808
www.lightlaboratory.com

Report No: L022111001



Report No: L022111001

Issue Date: 2/22/2021

Report Prepared For: Light and Green
2340 E Olympic Blvd. Unit E., Los Angeles, CA 90021

Model Number: LG-1036-27K

Test: Photometric/Electrical Test

Standards Used: Appropriate part or all test guidelines were used for test performed:
IESNA LM79: 2008 Approved Methods for Electrical and Photometric Measurements of Solid-State Lighting Products
ANSI NEMA ANSLG C78.377: 2008 Specification of the Chromaticity of Solid State Lighting Products
ANSI C82.77:2002: Harmonic Emission Limits-Related Quality Requirements for Lighting Equipment

Description of Sample: Client submitted the sample. Received in working and undamaged condition. No modifications were necessary.

Special Test Condition: Fixture is tested with no special conditions.

Sample Arrival Date: 2/8/21

Date of Tests: 2/15/21 - 2/22/21

Seasoning of Sample: No seasoning was performed in accordance with IESNA LM-79.

Equipment List

Equipment Used	Model No	Stock No	Calibration Due Date
Chroma Programmable AC Source	61604	PS-AC02	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S4	1/9/22
BK PRECISION	1747	PS-DC04	1/10/22
Fluke Digital Thermometer	52K/J	MT-TP05	1/10/22
LLI Type C Goniophotometer System	RMG-C-MKII	CD-LL04-GC	--
LLI 2M Sphere	2MR97	CD-SN03-S2	--
LLI Spectroradiometer	SPR-3000	MT-SC01-S2	Before Use

General Information

Manufacturer:	Light and Green
Model Number:	LG-1036-27K
Driver Model Number:	ERP EBR015U-0350-42

Photometric & Electrical Test Results

Total Lumens:	744.42
Efficacy:	56.37
Input Voltage (VAC/60Hz):	120.01
Input Current (Amp):	0.1112
Input Power (W):	13.21
Input Power Factor:	0.9900
Current ATHD (%):	10.5%

Test Condition

Ambient Temperature (°C):	25.0
Stabilization Time (Hours):	0:35
Total Operating Time (Hours):	1:20

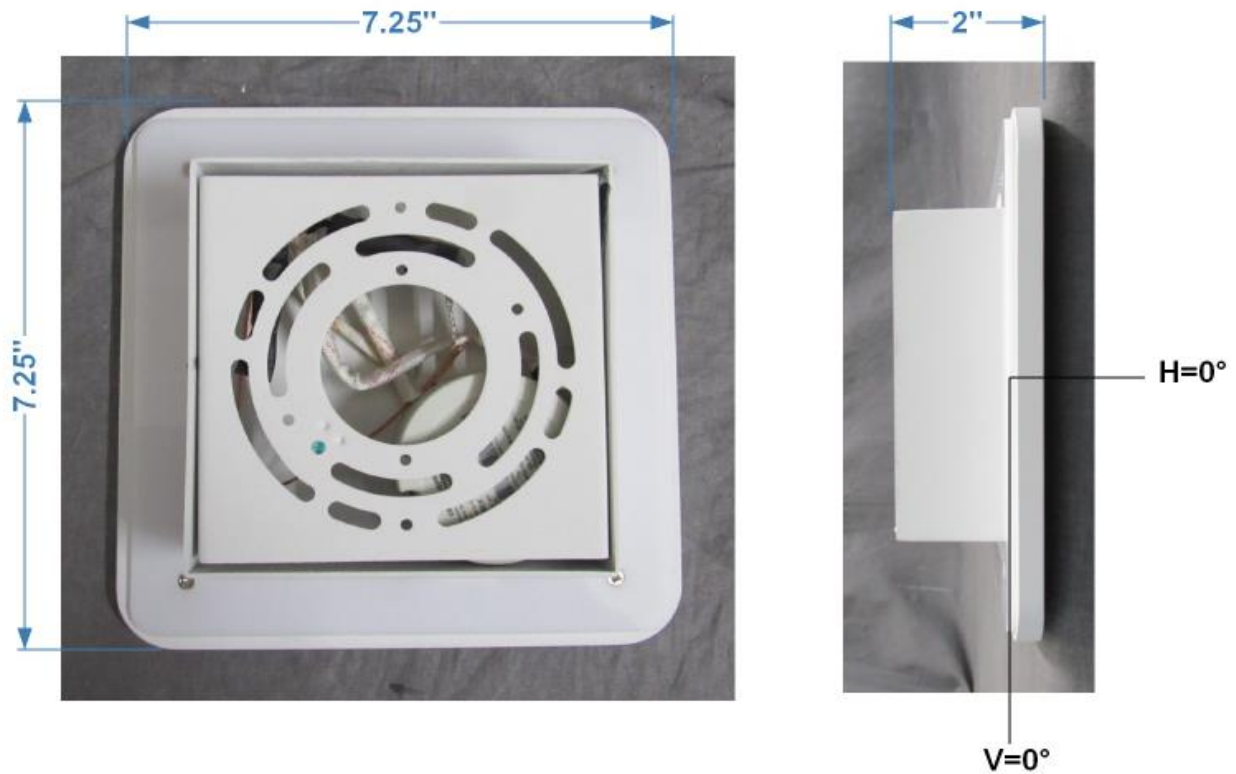


FIG. 1 LUMINAIRE

Test Methods

Photometric Measurements - Goniophotometer

A Custom Light Laboratory Type C Rotating Mirror Goniophotometer was used to measure candelas(intensity) at each angle of distribution as defined by IESNA for the appropriate fixture type.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Spectral Measurements - Integrating Sphere

A Sensing Spectroradiometer SPR-3000, in conjunction with Light Laboratory 2 meter integrating sphere was used to measure chromaticity coordinates, correlated color temperature(CCT) and the color rendering index(CRI) for each sample.

Ambient temperature is set to 25°C and is measured from the center of the fixture, within 1ft from the outside of the fixture. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 30mins and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Disclaimers:

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST or any agency of Federal Government.

Report Prepared by : Keyur Patel

Test Report Reviewed by:



Steve Kang
Quality Assurance

**Attached are photometric data reports. Total number of pages: 11*



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 www.lightlaboratory.com

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022111001.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L022111001
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
 [ISSUEDATE] 2/22/2021
 [MANUFAC] Light and Green
 [LUMCAT] LG-1036-27K
 [LUMINAIRE] Surface Mount Wall Sconce
 [BALLASTCAT] ERP EBR015U-0350-42
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120.01VAC, 13.21W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	744
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	13.21
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.01 ft
Luminous Width (90-270)	0.56 ft
Luminous Height	0.56 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	191	381	27972
55	112	206	28128
65	101	135	28322
75	95	127	28850
85	96	124	29425

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022111001.IES

CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
5	17.3	17.3	17.4	17.4	17.4	17.5	17.5	17.6	17.6	17.7
10	14.9	14.9	15.0	15.2	15.4	15.6	15.8	16.1	16.5	16.8
15	13.0	13.0	13.1	13.2	13.4	13.7	14.0	14.4	14.8	15.2
20	11.0	11.1	11.2	11.4	11.6	11.9	12.2	12.6	13.1	13.6
25	9.3	9.4	9.5	9.6	9.8	10.1	10.4	10.9	11.4	12.0
30	7.7	7.7	7.8	8.0	8.2	8.4	8.7	9.2	9.7	10.3
35	6.2	6.2	6.3	6.4	6.6	6.9	7.1	7.6	8.1	8.7
40	5.0	5.0	5.1	5.2	5.3	5.5	5.7	6.1	6.5	7.2
45	4.0	4.0	4.0	4.1	4.2	4.4	4.6	4.8	5.3	5.8
50	3.0	3.1	3.1	3.2	3.3	3.5	3.6	3.9	4.2	4.6
55	2.7	2.7	2.7	2.8	2.8	2.9	2.9	3.1	3.3	3.6
60	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.7	2.8	2.9
65	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.7	2.7	2.6
70	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.7	2.6	2.6
75	2.7	2.7	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.6
80	2.9	2.8	2.7	2.8	2.8	2.8	2.7	2.7	2.6	2.6
85	2.8	2.8	2.7	2.8	2.7	2.7	2.7	2.7	2.6	2.6
90	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6
95	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6
100	2.9	2.9	2.9	2.9	2.9	2.8	2.7	2.7	2.6	2.6
105	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.6	2.5
110	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.7	2.6	2.5
115	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.6	2.5
120	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.7
125	2.6	2.6	2.6	2.6	2.6	2.8	2.7	2.9	3.1	3.3
130	2.8	2.8	2.9	3.0	3.0	3.2	3.4	3.7	3.9	4.3
135	3.6	3.6	3.7	3.8	4.0	4.2	4.4	4.7	5.1	5.6
140	4.7	4.7	4.8	4.9	5.1	5.3	5.6	6.0	6.4	7.0
145	5.9	5.9	6.0	6.2	6.4	6.7	7.0	7.4	7.9	8.5
150	7.3	7.3	7.5	7.7	7.9	8.2	8.5	9.0	9.5	10.1
155	9.2	9.2	9.3	9.4	9.7	9.9	10.3	10.7	11.2	11.7
160	10.9	10.9	11.0	11.2	11.4	11.7	12.0	12.3	12.8	13.2
165	12.5	12.6	12.7	12.8	13.0	13.2	13.5	13.8	14.2	14.5
170	14.1	14.2	14.3	14.4	14.5	14.6	14.8	15.0	15.2	15.5
175	15.4	15.5	15.5	15.6	15.7	15.7	15.8	15.9	16.0	16.1
180	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
5	17.7	17.8	17.9	17.9	18.0	18.0	18.1	18.1	18.2	19.1
10	17.2	17.7	18.1	18.2	18.4	18.5	18.6	18.7	18.8	20.6
15	15.7	16.4	17.0	17.8	18.6	18.8	19.0	19.2	19.4	21.9
20	14.3	15.0	15.7	16.7	17.7	18.8	19.2	19.6	20.0	23.2
25	12.7	13.5	14.4	15.5	16.7	18.1	19.2	19.8	20.4	24.3
30	11.0	11.9	12.8	14.1	15.4	17.1	18.8	19.7	20.6	25.2
35	9.5	10.3	11.3	12.5	14.1	15.9	18.0	19.4	20.8	25.8
40	7.9	8.7	9.7	10.9	12.6	14.6	17.0	19.0	20.7	26.3
45	6.4	7.1	7.9	9.2	10.9	13.1	15.8	18.3	20.6	26.7
50	5.1	5.7	6.4	7.6	9.3	11.7	14.7	17.7	20.5	27.0
55	3.9	4.4	5.0	6.0	7.9	10.4	13.6	17.0	20.4	27.0
60	3.0	3.3	3.8	4.8	6.5	9.1	12.5	16.3	20.0	26.7

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022111001.IES

CANDELA TABULATION - (Cont.)

65	2.6	2.7	2.9	3.7	5.3	7.8	11.3	15.4	19.6	26.4
70	2.5	2.5	2.5	3.0	4.4	6.8	10.3	14.4	18.9	26.0
75	2.5	2.4	2.4	2.7	4.0	6.1	9.4	13.5	18.4	25.6
80	2.5	2.4	2.4	2.6	3.7	5.7	8.8	12.7	17.6	25.2
85	2.5	2.4	2.4	2.6	3.6	5.4	8.4	11.8	16.6	24.7
90	2.5	2.4	2.3	2.5	3.4	5.2	7.9	11.2	15.8	24.3
95	2.5	2.4	2.3	2.5	3.5	5.3	8.1	11.6	16.5	24.9
100	2.5	2.4	2.3	2.5	3.6	5.5	8.5	12.3	17.1	25.3
105	2.4	2.4	2.3	2.5	3.7	5.7	8.9	13.0	17.8	25.5
110	2.4	2.3	2.3	2.7	4.0	6.3	9.7	14.0	18.4	25.6
115	2.4	2.4	2.6	3.3	4.9	7.4	10.8	14.9	18.8	25.6
120	2.8	3.0	3.4	4.3	6.0	8.6	11.9	15.6	19.1	25.5
125	3.6	4.0	4.6	5.6	7.3	9.8	12.8	16.2	19.3	25.4
130	4.8	5.3	6.0	7.2	8.7	11.0	13.8	16.7	19.4	25.0
135	6.1	6.8	7.6	8.8	10.3	12.3	14.7	17.1	19.4	24.6
140	7.6	8.4	9.3	10.4	11.9	13.6	15.6	17.6	19.5	24.1
145	9.2	10.0	10.9	12.0	13.3	14.8	16.5	18.1	19.5	23.5
150	10.8	11.6	12.5	13.5	14.6	15.9	17.3	18.4	19.6	23.0
155	12.4	13.1	13.9	14.7	15.7	16.7	17.6	18.5	19.4	22.3
160	13.8	14.4	15.0	15.7	16.4	17.1	17.7	18.4	19.0	21.4
165	14.9	15.4	15.8	16.3	16.9	17.2	17.7	18.1	18.5	20.3
170	15.8	16.1	16.4	16.6	16.9	17.2	17.4	17.7	17.9	19.2
175	16.2	16.4	16.5	16.6	16.7	16.9	17.0	17.1	17.2	17.9
180	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
5	20.0	20.8	21.7	22.5	23.3	24.0	24.7	25.3	25.9	26.4
10	22.3	24.0	25.6	27.2	28.8	30.6	32.4	34.0	35.6	37.1
15	24.4	26.8	29.3	32.1	34.9	37.6	40.2	43.0	45.9	48.8
20	26.4	29.6	33.4	37.1	40.7	44.9	49.0	53.0	57.0	60.8
25	28.2	32.6	37.3	42.0	47.4	52.6	57.6	62.5	67.1	71.5
30	29.7	35.3	40.9	47.4	53.8	59.9	65.8	71.4	76.6	82.0
35	31.2	37.6	44.7	52.3	59.5	66.5	72.9	78.9	85.0	91.2
40	32.6	39.8	48.0	56.3	64.0	71.9	79.5	86.8	94.0	100.4
45	33.8	41.8	50.9	59.8	68.4	77.5	86.0	94.1	101.3	108.1
50	34.7	43.6	53.6	63.3	72.9	82.3	91.3	99.9	108.0	116.2
55	35.3	45.3	56.1	66.6	76.7	86.3	95.8	105.1	113.9	121.9
60	35.7	46.7	58.3	69.5	80.1	89.9	99.7	109.6	118.7	126.3
65	35.9	47.7	59.9	71.8	82.8	93.0	103.5	115.1	125.8	136.7
70	35.9	48.4	61.2	74.0	86.2	98.0	111.1	126.3	140.7	154.3
75	35.7	48.9	62.9	77.6	92.7	107.9	125.3	142.0	157.2	171.7
80	35.7	50.5	67.1	84.4	102.3	119.0	136.2	151.9	166.6	179.4
85	37.3	53.8	71.6	90.1	107.7	123.8	140.2	155.0	169.2	181.5
90	37.5	55.3	72.2	90.9	108.2	124.3	140.8	155.1	168.9	181.1
95	37.7	55.1	72.7	90.0	107.3	123.7	140.5	155.0	168.4	180.9
100	36.9	52.5	68.8	85.6	102.9	119.6	137.1	152.2	165.9	178.8
105	36.4	50.7	65.2	80.2	95.2	110.4	127.7	143.3	157.2	171.2
110	36.0	49.2	63.0	76.6	89.4	101.8	115.1	129.4	142.5	155.4
115	35.5	47.8	60.7	73.4	85.5	96.6	107.4	118.7	128.8	140.0
120	34.8	46.3	58.4	70.3	81.9	92.4	102.5	112.5	121.7	129.7
125	34.0	44.5	55.9	67.0	77.8	87.7	97.4	106.8	115.8	124.2
130	32.9	42.4	53.0	63.3	73.2	82.6	91.6	100.3	108.6	116.9
135	31.6	40.0	49.7	59.2	68.3	77.0	85.4	93.4	100.8	107.9

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022111001.IES

CANDELA TABULATION - (Cont.)

140	30.0	37.5	46.1	54.7	62.8	70.7	78.5	85.8	92.9	99.5
145	28.2	34.9	42.1	49.8	57.0	63.9	70.8	77.5	83.9	90.1
150	26.4	32.2	38.0	44.4	50.8	56.9	62.9	68.7	74.4	80.1
155	25.2	29.3	34.2	39.0	44.4	49.6	54.6	59.6	64.4	68.9
160	23.8	26.2	30.1	34.0	37.7	41.9	46.1	50.1	54.0	57.9
165	22.1	23.9	25.7	28.7	31.6	34.4	37.1	39.9	42.9	45.7
170	20.4	21.6	22.8	24.0	25.1	27.0	28.8	30.5	32.1	33.6
175	18.5	19.2	19.8	20.4	21.0	21.5	22.0	22.5	22.9	23.2
180	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0

Vert. Horizontal Angles
Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	17.5	17.5	17.5	17.5	17.5	17.5	17.5
5	26.9	27.3	27.6	27.8	28.1	28.1	28.0
10	38.4	39.5	40.4	41.1	41.6	42.0	42.0
15	51.4	53.9	56.0	57.6	58.7	59.6	59.7
20	64.5	68.0	71.4	74.3	76.1	77.3	77.4
25	76.7	81.8	86.7	90.9	94.3	95.5	96.0
30	87.6	94.2	101.2	106.7	110.3	112.0	112.5
35	97.4	106.2	114.9	122.3	125.8	127.5	127.7
40	107.9	117.8	129.5	137.7	142.7	145.1	145.8
45	117.5	129.9	143.0	152.1	156.9	158.8	159.3
50	125.8	139.6	154.0	164.3	170.1	172.5	173.1
55	131.4	147.2	164.1	175.2	180.7	182.7	183.1
60	137.8	155.2	173.6	187.5	194.4	196.1	196.0
65	150.6	169.5	192.9	208.5	217.5	220.3	220.3
70	170.1	193.5	217.5	235.5	243.4	247.9	248.9
75	188.1	211.2	236.5	253.2	261.5	265.4	266.4
80	196.4	219.6	243.6	260.8	270.1	273.4	274.1
85	197.7	221.5	246.3	263.1	272.1	276.0	276.4
90	197.2	220.9	247.0	264.2	273.1	277.1	278.0
95	197.3	221.0	246.5	263.6	272.6	276.6	278.2
100	195.8	218.7	242.5	259.7	269.1	272.6	274.2
105	187.5	210.1	233.9	250.2	259.0	263.1	264.9
110	171.6	194.0	216.2	233.1	241.6	246.4	248.1
115	154.2	172.7	194.4	209.3	218.2	222.5	223.5
120	141.7	158.6	175.3	189.0	196.5	200.0	201.2
125	134.0	149.1	164.0	175.1	181.2	184.3	185.4
130	127.0	140.1	153.0	162.9	168.6	171.6	172.5
135	117.6	129.4	141.0	150.0	155.2	158.0	159.0
140	107.4	117.1	127.6	135.3	140.4	143.4	144.4
145	96.5	105.2	113.2	119.8	123.3	125.4	126.1
150	86.0	92.4	98.8	103.6	106.8	108.5	109.2
155	74.0	79.0	83.4	86.9	89.7	91.0	91.6
160	61.6	64.9	67.8	70.3	71.8	73.0	73.1
165	48.3	50.6	52.7	54.0	54.9	55.6	55.4
170	34.9	36.0	36.9	37.6	38.2	38.6	38.6
175	23.6	23.8	24.1	24.2	24.5	24.4	24.4
180	16.0	16.0	16.0	16.0	16.0	16.0	16.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022111001.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	10.44	N.A.	1.40
0-30	27.77	N.A.	3.70
0-40	55.81	N.A.	7.50
0-60	145.78	N.A.	19.60
0-80	287.05	N.A.	38.60
0-90	373.14	N.A.	50.10
10-90	371.03	N.A.	49.80
20-40	45.38	N.A.	6.10
20-50	84.92	N.A.	11.40
40-70	152.92	N.A.	20.50
60-80	141.27	N.A.	19.00
70-80	78.32	N.A.	10.50
80-90	86.09	N.A.	11.60
90-110	164.57	N.A.	22.10
90-120	228.25	N.A.	30.70
90-130	278.85	N.A.	37.50
90-150	345.09	N.A.	46.40
90-180	371.28	N.A.	49.90
110-180	206.71	N.A.	27.80
0-180	744.42	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2.11
10-20	8.33
20-30	17.33
30-40	28.04
40-50	39.55
50-60	50.42
60-70	62.96
70-80	78.32
80-90	86.09
90-100	86.14
100-110	78.43
110-120	63.68
120-130	50.60
130-140	39.00
140-150	27.25
150-160	16.51
160-170	7.76
170-180	1.91

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	92	85	79	74	84	78	73	68	65	60	57	52	49	46	41	38	36	30
2	82	71	63	56	74	65	58	51	53	48	43	43	38	34	33	29	26	21
3	73	61	52	44	66	56	47	41	45	39	33	36	31	27	27	23	20	16
4	66	53	43	36	60	48	40	33	39	33	27	31	26	22	24	19	16	12
5	60	47	37	30	55	42	34	27	35	28	23	27	22	18	21	16	13	10
6	55	41	32	25	50	38	29	23	31	24	19	24	19	15	18	14	11	8
7	51	37	28	22	46	34	26	20	28	21	16	22	17	13	17	13	9	7
8	47	33	25	19	43	30	23	17	25	19	14	20	15	11	15	11	8	6
9	44	30	22	16	40	28	20	15	23	17	12	18	13	10	14	10	7	5
10	41	28	20	14	37	25	18	13	21	15	11	17	12	9	13	9	6	4

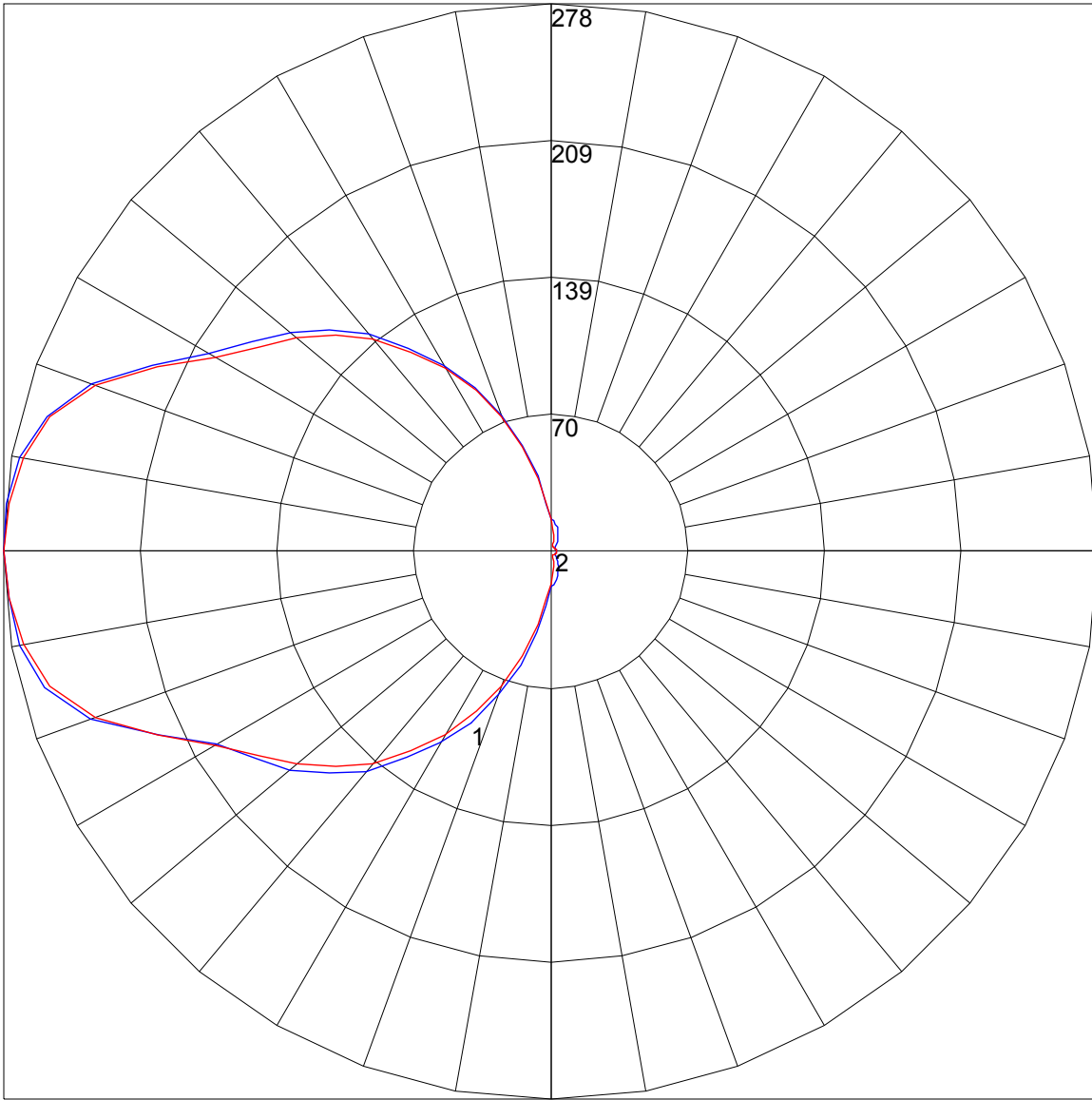
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022111001.IES

UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	0.0	0.0	0.0	0.0	0.0	8.3	9.3	9.2	10.3	11.5
	3H	0.0	0.0	0.0	0.0	0.2	9.8	10.7	10.7	11.7	13.0
	4H	0.0	0.0	0.0	0.7	2.0	10.4	11.3	11.3	12.3	13.6
	6H	0.8	1.7	1.8	2.7	4.0	11.0	11.8	11.9	12.8	14.1
	8H	1.9	2.7	2.9	3.7	5.0	11.2	12.0	12.2	13.0	14.3
	12H	3.1	3.9	4.1	4.9	6.2	11.5	12.3	12.4	13.2	14.6
4H	2H	0.0	0.0	0.0	0.0	0.0	11.9	12.8	12.8	13.8	15.1
	3H	0.0	0.0	0.0	0.0	0.4	13.8	14.6	14.8	15.6	16.9
	4H	0.0	0.0	0.2	1.0	2.3	14.6	15.4	15.6	16.4	17.7
	6H	1.4	2.0	2.3	3.1	4.4	15.2	15.9	16.2	16.9	18.2
	8H	2.5	3.1	3.5	4.2	5.5	15.4	16.1	16.4	17.1	18.4
	12H	3.7	4.3	4.7	5.4	6.7	15.6	16.2	16.6	17.2	18.6
8H	4H	0.0	0.0	0.3	1.0	2.3	17.8	18.4	18.7	19.4	20.7
	6H	1.6	2.1	2.6	3.2	4.5	18.7	19.2	19.7	20.3	21.6
	8H	2.8	3.3	3.8	4.3	5.7	19.1	19.6	20.1	20.6	21.9
	12H	4.1	4.6	5.2	5.6	7.0	19.3	19.8	20.3	20.8	22.2
12H	4H	0.0	0.0	0.4	1.0	2.3	18.8	19.4	19.8	20.4	21.8
	6H	1.6	2.1	2.6	3.1	4.5	20.0	20.5	21.0	21.5	22.9
	8H	2.9	3.3	3.9	4.4	5.7	20.5	20.9	21.5	21.9	23.3

Maximum UGR = 23.3

POLAR GRAPH



Maximum Candela = 278.2 Located At Horizontal Angle = 180, Vertical Angle = 95
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (95) (Through Max. Cd.)