



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

Report No: L022111004



Report No: L022111004

Issue Date: 2/22/2021

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

Model Number: LG-1041-27K

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-1041-27K
Driver Model Number:	ERP EBR015U-0350-42

Photometric & Electrical Test Results

Total Lumens:	682.71
Efficacy:	49.53
Input Voltage (VAC/60Hz):	120.01
Input Current (Amp):	0.1159
Input Power (W):	13.79
Input Power Factor:	0.9909
Current ATHD (%):	10.2%

Test Condition

Ambient Temperature (°C):	25.0
Stabilization Time (Hours):	0:30
Total Operating Time (Hours):	1:15

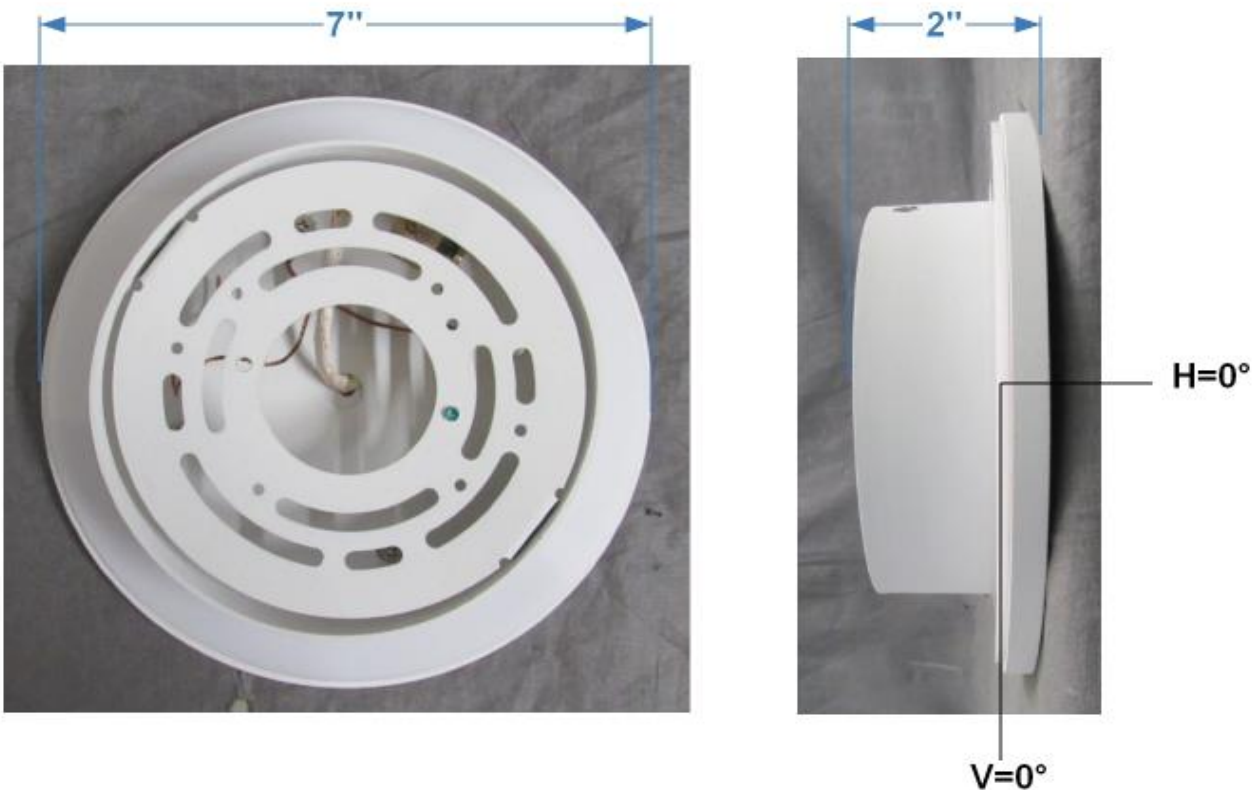


FIG. 1 LUMINAIRE

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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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022111004.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L022111004
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 2/22/2021
[MANUFAC] Light and Green
[LUMCAT] LG-1041-27K
[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, 13.79W
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	683
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	13.79
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	Hor. Cylinder Along Length
Luminous Length (0-180)	0.01 ft
Luminous Width (90-270)	0.56 ft (Diameter)
Luminous Height	0.56 ft (Diameter)

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	267	613	39367
55	162	380	39232
65	134	261	39904
75	114	195	39271
85	107	161	38099

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	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39
5	21.59	21.58	21.57	21.58	21.59	21.61	21.63	21.66	21.70	21.74
10	17.60	17.63	17.71	17.86	18.06	18.31	18.62	18.98	19.38	19.83
15	14.71	14.75	14.87	15.04	15.28	15.59	15.95	16.35	16.79	17.26
20	12.54	12.57	12.68	12.86	13.12	13.46	13.86	14.32	14.84	15.46
25	10.13	10.19	10.35	10.61	10.95	11.39	11.90	12.49	13.07	13.68
30	8.35	8.39	8.54	8.79	9.12	9.52	10.00	10.59	11.29	11.90
35	6.74	6.79	6.95	7.20	7.54	7.96	8.46	9.02	9.58	10.13
40	5.41	5.46	5.62	5.86	6.19	6.59	7.09	7.64	8.12	8.57
45	4.33	4.40	4.52	4.75	5.07	5.45	5.95	6.47	6.90	7.25
50	3.49	3.53	3.65	3.85	4.12	4.51	4.98	5.48	5.83	6.10
55	3.04	3.07	3.13	3.24	3.39	3.77	4.15	4.62	5.00	5.18
60	2.90	2.91	2.93	2.94	3.00	3.25	3.56	3.94	4.30	4.44
65	2.79	2.77	2.80	2.80	2.83	2.87	3.13	3.46	3.75	3.92
70	2.66	2.65	2.66	2.68	2.70	2.73	2.81	3.09	3.36	3.46
75	2.52	2.55	2.56	2.58	2.60	2.61	2.66	2.82	3.03	3.12
80	2.45	2.47	2.47	2.49	2.51	2.55	2.58	2.64	2.77	2.87
85	2.45	2.45	2.44	2.45	2.47	2.50	2.52	2.55	2.60	2.66
90	2.45	2.45	2.45	2.45	2.48	2.48	2.52	2.53	2.53	2.57
95	2.48	2.48	2.46	2.47	2.48	2.50	2.51	2.49	2.55	2.62
100	2.48	2.48	2.47	2.48	2.50	2.52	2.51	2.54	2.65	2.78
105	2.48	2.48	2.49	2.51	2.53	2.55	2.58	2.68	2.87	3.04
110	2.52	2.51	2.52	2.55	2.59	2.64	2.73	2.98	3.21	3.40
115	2.55	2.56	2.61	2.65	2.70	2.77	3.08	3.41	3.66	3.89
120	2.62	2.66	2.71	2.80	2.91	3.21	3.57	3.96	4.26	4.44
125	2.79	2.84	2.99	3.20	3.43	3.80	4.20	4.65	4.97	5.18
130	3.49	3.53	3.69	3.91	4.19	4.57	5.03	5.49	5.84	6.12
135	4.51	4.55	4.68	4.88	5.19	5.57	6.06	6.56	7.02	7.43
140	5.80	5.84	5.96	6.18	6.49	6.85	7.34	7.88	8.36	8.86
145	7.23	7.28	7.44	7.71	8.04	8.44	8.89	9.42	9.98	10.53
150	8.98	9.03	9.17	9.42	9.74	10.13	10.57	11.10	11.71	12.29
155	10.90	10.94	11.08	11.30	11.60	11.97	12.39	12.89	13.43	14.02
160	13.10	13.13	13.23	13.41	13.65	13.95	14.31	14.71	15.18	15.72
165	15.40	15.43	15.51	15.65	15.84	16.08	16.36	16.70	17.08	17.49
170	17.85	17.87	17.94	18.06	18.21	18.41	18.64	18.90	19.19	19.51
175	20.78	20.79	20.81	20.84	20.89	20.96	21.05	21.14	21.26	21.38
180	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00

Vert. Horizontal Angles
 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	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39
5	21.79	21.84	21.90	21.96	22.03	22.10	22.17	22.24	22.32	23.05
10	20.32	20.85	21.40	21.53	21.67	21.81	21.96	22.11	22.27	23.69
15	17.86	18.63	19.44	20.28	21.22	21.40	21.59	21.79	22.01	24.11
20	16.10	16.80	17.59	18.67	19.78	20.96	21.18	21.43	21.69	24.39
25	14.34	15.09	15.98	16.94	18.22	19.61	20.65	21.05	21.46	24.86
30	12.56	13.26	14.06	15.14	16.31	18.07	19.91	20.60	21.34	25.14
35	10.71	11.37	12.22	13.23	14.57	16.39	18.64	20.04	21.17	25.58
40	8.96	9.56	10.30	11.30	12.74	14.49	16.99	19.09	20.91	25.78
45	7.52	7.86	8.45	9.48	10.83	12.77	15.62	18.32	20.50	26.12
50	6.28	6.43	6.93	7.76	9.03	11.15	14.05	17.30	20.29	26.25
55	5.23	5.24	5.40	6.14	7.57	9.67	12.69	16.53	20.43	26.58
60	4.41	4.23	4.23	4.86	6.25	8.43	11.53	15.83	20.64	26.74

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PHOTOMETRIC FILENAME : L022111004.IES

CANDELA TABULATION - (Cont.)

65	3.83	3.62	3.46	3.80	5.06	7.33	10.52	15.12	20.78	26.86
70	3.37	3.18	2.96	3.11	4.15	6.32	9.75	14.51	20.68	27.27
75	3.08	2.88	2.66	2.80	3.75	5.74	9.11	13.49	20.45	27.52
80	2.81	2.65	2.49	2.66	3.57	5.38	8.49	12.74	20.14	27.56
85	2.59	2.49	2.35	2.59	3.40	5.06	8.14	12.32	19.84	27.63
90	2.52	2.41	2.31	2.57	3.30	4.93	7.95	12.03	19.77	27.73
95	2.57	2.47	2.35	2.58	3.31	5.05	8.16	12.34	19.63	27.87
100	2.76	2.64	2.48	2.62	3.41	5.33	8.52	12.81	19.98	28.08
105	3.05	2.88	2.67	2.77	3.62	5.64	8.92	13.33	20.35	27.82
110	3.40	3.23	3.04	3.22	4.20	6.28	9.56	13.97	20.40	27.50
115	3.88	3.78	3.66	4.05	5.27	7.38	10.42	14.56	20.22	27.20
120	4.49	4.46	4.53	5.15	6.50	8.57	11.43	15.29	20.15	26.91
125	5.32	5.41	5.66	6.40	7.84	9.90	12.62	16.02	20.22	26.53
130	6.38	6.53	7.07	8.01	9.39	11.30	13.80	16.84	20.31	26.06
135	7.70	8.10	8.72	9.80	11.16	12.85	15.17	17.74	20.49	25.57
140	9.26	9.82	10.60	11.64	12.93	14.47	16.60	18.72	20.84	25.22
145	11.07	11.69	12.53	13.52	14.67	16.14	17.97	19.60	21.18	24.92
150	12.95	13.69	14.43	15.36	16.41	17.76	19.16	20.33	21.55	24.63
155	14.67	15.33	16.06	16.85	17.95	19.15	20.23	21.05	21.90	24.44
160	16.29	16.87	17.51	18.36	19.25	20.23	20.85	21.52	22.22	24.20
165	17.97	18.54	19.15	19.81	20.54	21.01	21.53	22.05	22.58	24.03
170	19.87	20.25	20.66	20.98	21.31	21.65	22.00	22.36	22.72	23.70
175	21.52	21.67	21.83	21.99	22.17	22.35	22.53	22.72	22.91	23.39
180	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00

Vert. Angles **Horizontal Angles**

	100	105	110	115	120	125	130	135	140	145
0	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39	22.39
5	23.77	24.48	25.18	25.86	26.51	27.12	27.71	28.25	28.74	29.19
10	25.11	26.50	27.88	29.21	30.53	31.89	33.22	34.48	35.66	36.74
15	26.21	28.29	30.34	32.54	34.68	36.75	38.73	41.01	43.41	45.56
20	27.09	29.80	32.88	35.86	38.71	42.46	46.11	49.56	52.77	55.70
25	28.23	31.92	35.74	39.69	44.76	49.54	53.88	57.98	61.93	65.73
30	28.98	33.92	38.74	44.97	51.13	56.54	61.41	66.20	71.09	75.91
35	30.33	36.09	42.62	49.93	56.86	63.32	69.20	74.78	80.25	85.69
40	31.40	37.92	46.07	54.37	62.44	69.94	76.82	82.90	88.87	94.70
45	32.54	39.90	49.14	58.54	67.58	75.76	83.42	90.36	96.44	102.65
50	33.36	41.90	51.95	62.61	72.05	80.91	89.55	96.85	103.79	111.02
55	34.23	43.83	54.92	66.42	76.23	85.96	95.40	103.95	112.10	119.33
60	35.04	45.73	57.93	69.84	80.41	91.13	101.44	111.34	120.15	127.94
65	35.90	47.70	60.84	73.17	84.58	95.95	106.91	118.05	127.17	135.85
70	36.96	49.38	63.17	75.97	88.04	99.75	111.53	122.90	133.05	142.68
75	37.54	50.78	64.61	78.03	90.54	102.56	115.04	126.74	137.79	148.82
80	37.97	51.70	65.52	79.41	92.24	104.59	117.57	129.42	141.21	153.26
85	38.41	52.51	66.40	80.30	93.34	105.86	119.12	131.05	143.30	155.99
90	37.90	52.03	66.22	80.41	93.63	106.27	119.75	131.71	144.10	157.07
95	38.85	51.65	65.43	79.69	93.16	105.87	119.34	131.34	143.68	156.52
100	38.36	51.66	64.30	77.99	91.53	104.37	117.74	129.89	142.00	154.38
105	38.61	51.28	64.13	76.51	89.31	101.90	114.99	127.22	138.89	150.66
110	37.78	51.02	63.89	75.83	87.58	99.29	111.45	123.52	134.52	145.42
115	37.14	49.68	62.40	74.57	86.23	97.15	107.78	119.31	129.45	139.29
120	36.27	48.29	60.44	72.06	83.77	94.60	104.44	114.63	124.30	132.77
125	35.09	45.88	57.62	68.69	79.75	90.18	99.91	109.18	118.32	125.99
130	33.83	43.43	54.43	64.79	74.98	84.79	94.04	102.52	110.44	117.67
135	32.43	40.83	50.67	60.30	69.76	78.71	87.14	95.06	101.88	107.86

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PHOTOMETRIC FILENAME : L022111004.IES

CANDELA TABULATION - (Cont.)

140	30.95	38.29	46.75	55.34	63.90	72.01	79.68	86.69	93.01	98.06
145	29.32	35.68	42.66	50.24	57.65	64.79	71.54	77.85	83.43	88.09
150	27.73	33.21	38.59	45.02	51.32	57.41	63.20	68.59	73.48	77.61
155	26.97	30.71	35.14	39.61	44.95	50.08	54.90	59.29	63.26	66.74
160	26.18	28.20	31.74	35.16	38.44	42.45	46.32	49.87	52.98	55.60
165	25.47	26.89	28.37	30.90	33.30	35.56	37.65	39.95	42.29	44.34
170	24.68	25.64	26.58	27.48	28.37	29.80	31.18	32.46	33.64	34.69
175	23.86	24.32	24.77	25.21	25.63	26.04	26.42	26.77	27.10	27.39
180	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00

Vert. Angles Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	22.39	22.39	22.39	22.39	22.39	22.39	22.39
5	29.59	29.93	30.21	30.44	30.73	30.73	30.74
10	37.72	38.50	39.15	39.66	40.02	40.31	40.31
15	47.46	49.09	50.43	51.44	52.16	52.74	52.74
20	58.32	60.56	62.41	63.89	64.93	65.76	65.77
25	69.20	72.21	74.67	76.60	78.00	78.84	79.15
30	80.20	83.76	86.67	88.99	90.71	91.70	92.00
35	90.67	94.75	98.12	100.75	102.74	103.93	104.26
40	100.16	105.02	109.28	112.64	115.13	116.71	117.15
45	109.29	115.08	119.65	123.43	126.19	128.13	128.75
50	117.77	123.67	128.99	133.50	136.95	139.24	140.03
55	126.15	132.92	138.85	143.87	147.86	150.42	151.52
60	135.50	142.81	149.24	155.78	161.21	164.71	166.08
65	144.44	152.97	161.99	170.62	178.42	183.25	184.91
70	152.70	164.11	176.51	188.41	199.51	206.55	208.98
75	160.81	174.90	190.97	208.10	220.27	227.85	230.60
80	167.22	184.38	204.34	222.75	235.82	241.58	243.94
85	171.27	190.73	213.31	232.07	243.39	248.38	249.95
90	172.98	193.54	217.03	235.71	246.58	251.43	252.80
95	172.10	192.00	214.61	233.07	244.62	250.62	253.02
100	168.77	186.49	206.63	225.07	238.96	246.35	249.42
105	163.21	177.79	194.54	212.43	226.21	235.50	238.98
110	155.93	167.88	181.29	194.91	207.88	216.96	220.26
115	148.41	157.02	167.23	177.41	187.01	193.54	195.81
120	140.34	147.31	153.88	161.49	168.00	172.16	173.56
125	132.04	137.53	142.78	147.99	152.19	154.69	155.43
130	123.05	127.41	131.83	136.06	139.33	141.27	141.81
135	112.70	116.94	120.77	124.38	127.16	128.80	129.34
140	102.03	105.39	108.86	112.37	115.14	116.84	117.50
145	91.87	94.45	96.99	99.60	101.87	103.37	104.02
150	80.83	83.29	85.38	87.32	89.06	90.37	91.06
155	69.42	71.62	73.39	74.78	75.78	76.59	76.88
160	57.83	59.58	60.93	61.88	62.54	63.01	62.66
165	46.04	47.41	48.44	49.27	49.83	50.24	50.09
170	35.62	36.44	37.12	37.65	38.03	38.35	38.35
175	27.65	27.88	28.07	28.22	28.42	28.42	28.43
180	22.00	22.00	22.00	22.00	22.00	22.00	22.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022111004.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	10.72	N.A.	1.60
0-30	26.95	N.A.	3.90
0-40	52.69	N.A.	7.70
0-60	135.20	N.A.	19.80
0-80	262.58	N.A.	38.50
0-90	338.71	N.A.	49.60
10-90	336.31	N.A.	49.30
20-40	41.97	N.A.	6.10
20-50	77.97	N.A.	11.40
40-70	140.53	N.A.	20.60
60-80	127.38	N.A.	18.70
70-80	69.36	N.A.	10.20
80-90	76.13	N.A.	11.20
90-110	146.69	N.A.	21.50
90-120	206.34	N.A.	30.20
90-130	254.46	N.A.	37.30
90-150	317.32	N.A.	46.50
90-180	344.00	N.A.	50.40
110-180	197.31	N.A.	28.90
0-180	682.71	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	2.40
10-20	8.32
20-30	16.22
30-40	25.75
40-50	36.00
50-60	46.51
60-70	58.02
70-80	69.36
80-90	76.13
90-100	76.39
100-110	70.29
110-120	59.65
120-130	48.13
130-140	36.86
140-150	26.00
150-160	16.19
160-170	8.15
170-180	2.33

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
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	40	38	36	30
2	82	72	63	56	74	65	58	52	54	48	43	43	38	34	33	29	26	21
3	73	61	52	45	66	56	48	41	46	39	34	36	31	27	27	24	20	16
4	66	53	44	36	60	49	40	33	40	33	27	31	26	22	24	20	16	12
5	61	47	37	30	55	43	34	28	35	28	23	28	22	18	21	17	13	10
6	55	42	32	25	50	38	29	23	31	24	19	25	19	15	18	14	11	8
7	51	37	28	22	46	34	26	20	28	21	16	22	17	13	17	13	10	7
8	47	33	25	19	43	31	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	15	37	25	18	13	21	15	11	17	12	9	13	9	6	4

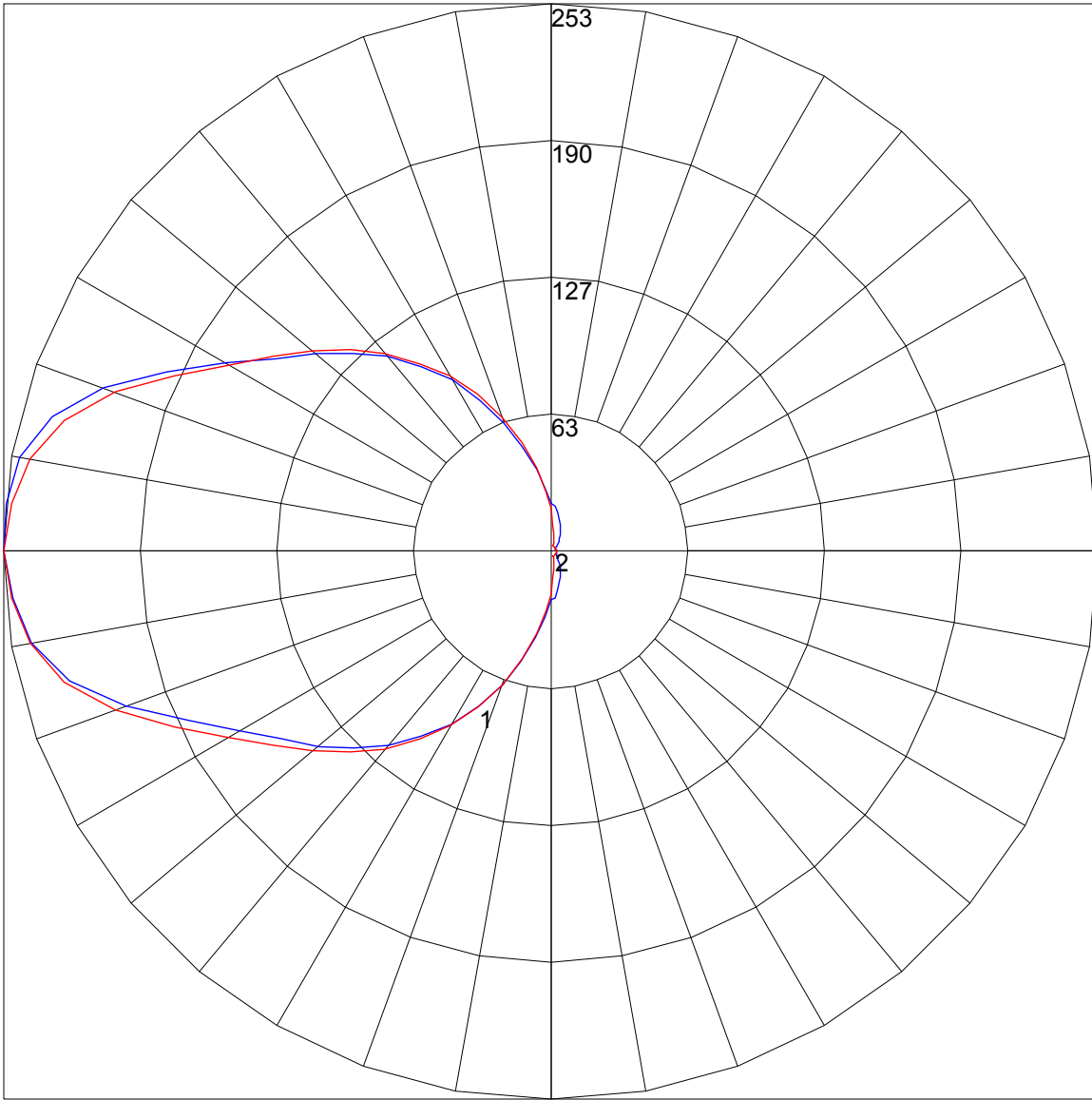
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022111004.IES

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	8.4	9.5	9.4	10.4	11.7
	3H	0.0	0.0	0.0	0.0	0.8	10.1	11.0	11.0	12.0	13.3
	4H	0.0	0.0	0.0	1.0	2.3	10.8	11.7	11.7	12.6	13.9
	6H	0.8	1.7	1.7	2.6	3.9	11.4	12.2	12.3	13.2	14.5
	8H	1.7	2.6	2.7	3.6	4.9	11.7	12.5	12.6	13.5	14.8
	12H	2.8	3.6	3.7	4.6	5.9	12.0	12.8	12.9	13.8	15.1
4H	2H	0.0	0.0	0.0	0.0	0.0	12.3	13.2	13.2	14.2	15.4
	3H	0.0	0.0	0.0	0.0	1.2	14.2	15.0	15.1	16.0	17.3
	4H	0.0	0.4	0.6	1.4	2.7	15.0	15.7	16.0	16.7	18.1
	6H	1.4	2.0	2.3	3.1	4.4	15.6	16.3	16.6	17.3	18.6
	8H	2.4	3.0	3.3	4.0	5.3	15.9	16.5	16.8	17.5	18.8
	12H	3.5	4.1	4.5	5.1	6.4	16.1	16.6	17.0	17.7	19.0
8H	4H	0.0	0.4	0.8	1.4	2.8	17.6	18.2	18.5	19.2	20.6
	6H	1.6	2.2	2.6	3.2	4.6	18.5	19.1	19.5	20.1	21.4
	8H	2.7	3.2	3.7	4.2	5.6	18.9	19.4	19.9	20.4	21.8
	12H	3.9	4.3	4.9	5.4	6.8	19.2	19.6	20.2	20.7	22.0
12H	4H	0.0	0.4	0.8	1.4	2.7	18.5	19.1	19.5	20.1	21.4
	6H	1.7	2.2	2.7	3.2	4.6	19.6	20.1	20.6	21.1	22.5
	8H	2.8	3.2	3.8	4.2	5.6	20.1	20.5	21.1	21.6	22.9

Maximum UGR = 22.9

POLAR GRAPH



Maximum Candela = 253.02 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.)