LIGHT LABORATORY INC.
8165 E. Kaiser Blvd. Anaheim, CA 92808
p. 714.282.2270
f. 714.676.5558

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LED-INDOOR-SAMPLE.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] S01130101
[TESTLAB] LIGHT LABORATORY, INC.
[ISSUEDATE] 1/1/2013
[MANUFAC] MANUFACTURE NAME
[LUMCAT] LUMINAIRE CATALOG NUMBER
[LUMINAIRE] LUMINAIRE SIZE & DESCRIPTION
[BALLASTCAT] LED DRIVER CATALOG NUMBER
[BALLAST] ELECTRICAL PROPERTIES OF THE DRIVER
[LAMPPOSITION] 0,0
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[_INPUT] 120VAC, 36.99W
[_TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2427
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	36.99
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	1.48 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3392	3221	2825
55	3241	2742	2225
65	3020	2142	1624
75	2362	1497	1265
85	1520	855	686

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LED-INDOOR-SAMPLE.IES

CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0
0	935.72	935.72	935.72	935.72	935.72
5	932.46	932.65	932.82	932.72	932.70
10	920.53	921.18	922.73	924.20	924.50
15	900.88	902.48	905.45	908.43	908.95
20	874.27	877.00	881.94	883.64	882.29
25	840.49	844.62	849.95	843.50	837.86
30	799.78	805.43	805.92	790.24	782.28
35	751.29	758.95	748.97	722.74	708.46
40	696.11	704.43	682.26	640.63	622.22
45	633.74	640.68	601.77	549.01	527.87
50	565.15	567.29	511.11	453.82	431.98
55	491.28	486.54	415.55	359.38	337.23
60	421.72	408.71	331.88	276.36	252.01
65	337.29	313.09	239.23	186.43	181.34
70	248.88	211.59	153.11	139.87	135.42
75	161.53	127.67	102.35	91.33	86.54
80	91.61	69.41	55.06	45.20	37.45
85	35.00	28.58	19.70	17.30	15.79
90	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LED-INDOOR-SAMPLE.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	344.30	N.A.	14.20
0-30	733.02	N.A.	30.20
0-40	1195.09	N.A.	49.20
0-60	2028.23	N.A.	83.60
0-80	2398.54	N.A.	98.80
0-90	2426.85	N.A.	100.00
10-90	2338.15	N.A.	96.30
20-40	850.79	N.A.	35.10
20-50	1307.38	N.A.	53.90
40-70	1083.36	N.A.	44.60
60-80	370.31	N.A.	15.30
70-80	120.09	N.A.	4.90
80-90	28.32	N.A.	1.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2426.85	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	88.71
10-20	255.59
20-30	388.73
30-40	462.06
40-50	456.59
50-60	376.55
60-70	250.22
70-80	120.09
80-90	28.32
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LED-INDOOR-SAMPLE.IES

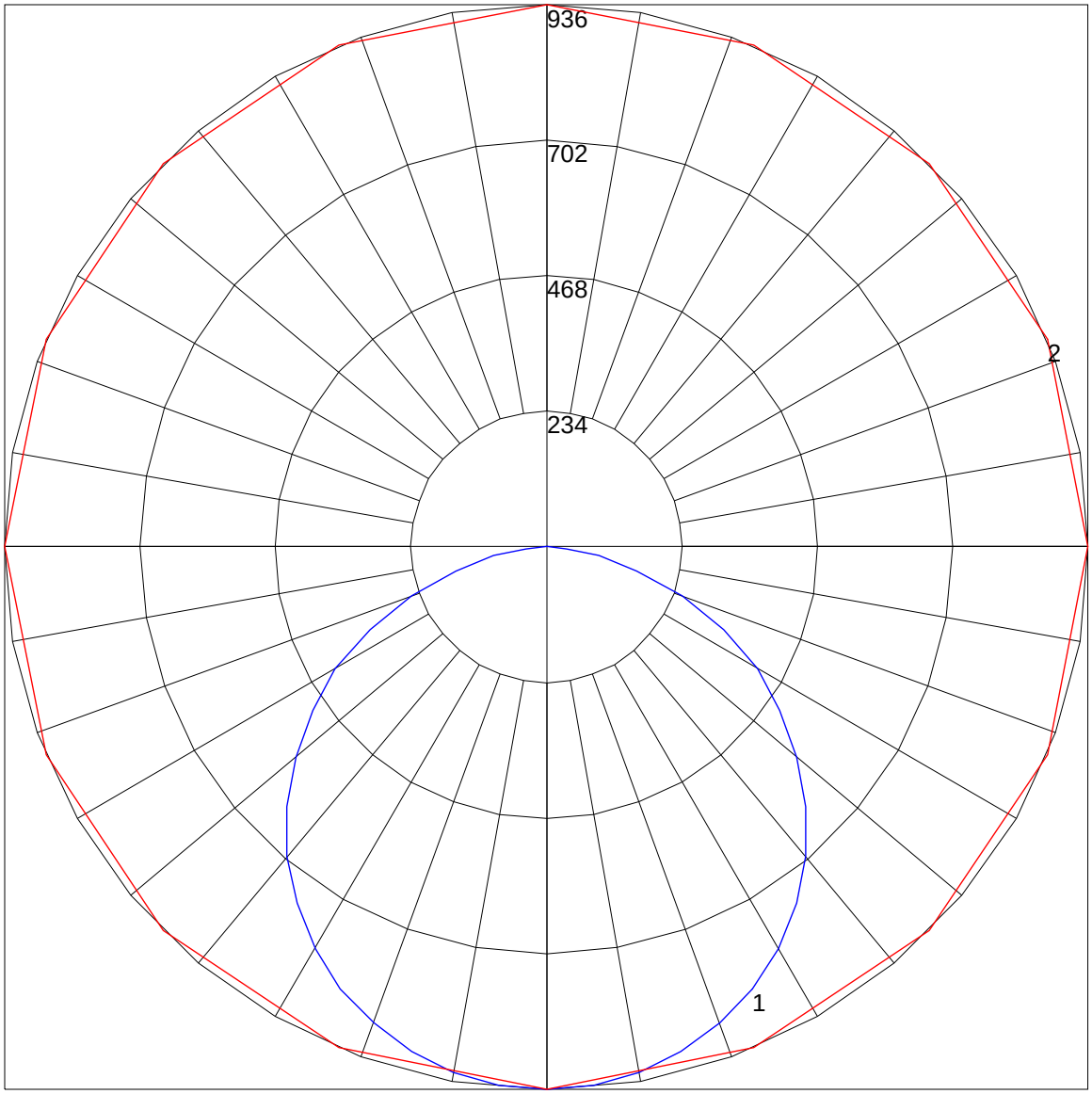
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	68	64	62
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	65	59	55	53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41
7	67	53	45	39	65	53	45	39	51	44	39	50	43	38	48	42	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	44	39	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	29	53	41	33	28	40	33	28	39	33	28	38	32	28	26

IES INDOOR REPORT
PHOTOMETRIC FILENAME : LED-INDOOR-SAMPLE.IES

POLAR GRAPH



Maximum Candela = 935.72 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)