



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

# Photometric Test Report

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L051603304.IES**

## DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] L051603304  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUEDATE] 5/19/2016  
 [MANUFAC] Colt LED  
 [LUMCAT] D12X6-GEN2-30W BiColor Fixture  
 [LUMINAIRE] 50.5"L X 28.25"W. X 4"H. 12 Lamp LED Fixture - Tungsten  
 [BALLASTCAT] N/A  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [REMARK] CANDELA VALUES AND ELECTRICAL DATA ARE PRORATED FROM  
 [MORE] LIGHT LABORATORY REPORT L051603301. PRORATION RATIO IS  
 [MORE] CALCULATED FROM LIGHT LABORATORY REPORT L051603201(55W, Daylight)  
 [MORE] AND L051603204(30W, Tungsten)  
 [MORE] CANDELA VALUE RATIO = 0.4901(1958.86/3996.86)  
 [MORE] POWER RATIO = 0.6059(29.75/49.1)  
 [INPUT] 120VAC, 371.84W  
 [TEST PROCEDURE] IESNA:LM-79-08

## CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	20683
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	371.84
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.75 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L051603304.IES**

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9152	9818	10492
55	8591	9851	10887
65	8015	10412	11362
75	6515	10376	10416
85	3359	6512	6066

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : L051603304.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	6896	6896	6896	6896	6896
<b>5</b>	6851	6853	6859	6869	6874
<b>10</b>	6739	6745	6761	6779	6790
<b>15</b>	6554	6567	6600	6632	6646
<b>20</b>	6307	6328	6382	6436	6455
<b>25</b>	5999	6031	6110	6192	6225
<b>30</b>	5642	5685	5794	5911	5956
<b>35</b>	5244	5297	5442	5594	5657
<b>40</b>	4807	4875	5058	5248	5325
<b>45</b>	4333	4418	4648	4873	4967
<b>50</b>	3831	3939	4220	4482	4586
<b>55</b>	3299	3444	3783	4070	4181
<b>60</b>	2782	2971	3363	3654	3744
<b>65</b>	2268	2513	2946	3167	3215
<b>70</b>	1700	2020	2426	2525	2539
<b>75</b>	1129	1529	1798	1818	1805
<b>80</b>	598	982	1095	1076	1052
<b>85</b>	196	379	380	365	354
<b>90</b>	0	0	0	0	0

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L051603304.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2514.3	N.A.	12.20
0-30	5331.61	N.A.	25.80
0-40	8740.36	N.A.	42.30
0-60	15696.25	N.A.	75.90
0-80	20221.96	N.A.	97.80
0-90	20682.99	N.A.	100.00
10-90	20031.19	N.A.	96.80
20-40	6226.06	N.A.	30.10
20-50	9813.98	N.A.	47.40
40-70	9747.11	N.A.	47.10
60-80	4525.72	N.A.	21.90
70-80	1734.49	N.A.	8.40
80-90	461.03	N.A.	2.20
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	20682.99	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	651.81
10-20	1862.49
20-30	2817.32
30-40	3408.75
40-50	3587.92
50-60	3367.97
60-70	2791.23
70-80	1734.49
80-90	461.03
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

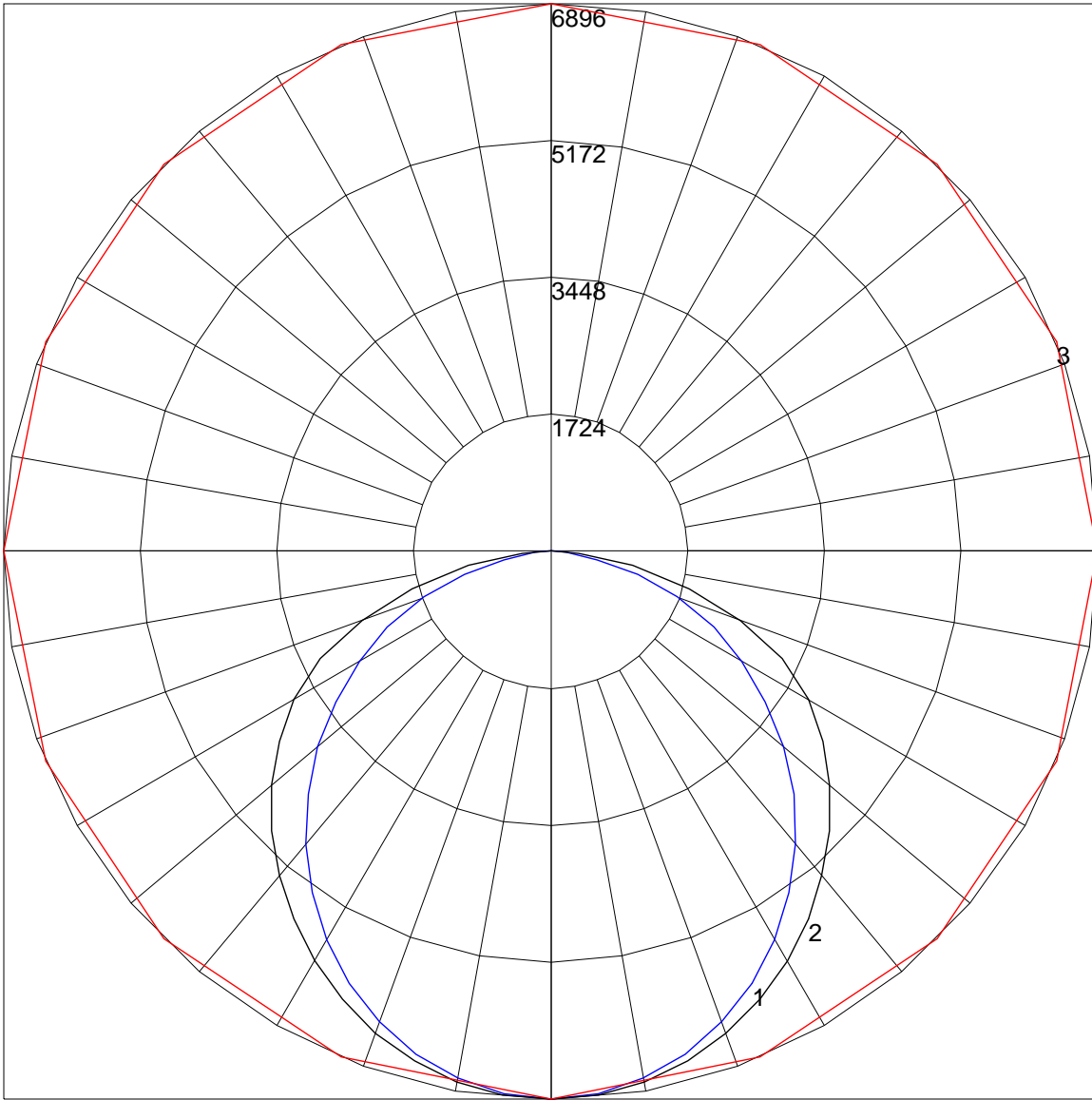
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L051603304.IES**

**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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	74	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	52	65	58	52	63	56	51	60	55	50	48
5	75	61	52	45	72	60	52	45	58	50	45	56	49	44	54	48	44	41
6	69	55	46	39	67	54	46	39	52	45	39	51	44	38	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	38	34	32
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 6896 Located At Horizontal Angle = 0, Vertical Angle = 0

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Vertical Plane Through Horizontal Angles (90 - 270)

# 3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)