



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

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051603309.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L051603309
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 5/19/2016
 [MANUFAC] Colt LED
 [LUMCAT] Bicolor GEN3-110W
 [LUMINAIRE] LED 8 foot lamp - Daylight
 [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 L051603201 BY USING
 [MORE] THE LENGTH RATIO OF 2.0(8 FOOT / 4 FOOT).
 [INPUT] 120VAC, 98.2W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7994
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	98.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.42 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.04 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	21829	19337	19508
55	20523	18076	18769
65	18098	17100	18404
75	14863	16699	18647
85	6747	17971	20446

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051603309.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2202	2202	2202	2202	2202
5	2190	2190	2190	2192	2196
10	2156	2156	2162	2166	2170
15	2098	2102	2112	2122	2130
20	2022	2026	2042	2062	2070
25	1926	1932	1962	1988	2000
30	1810	1824	1860	1898	1916
35	1684	1700	1748	1800	1824
40	1544	1562	1624	1696	1724
45	1392	1416	1498	1584	1618
50	1226	1264	1362	1462	1506
55	1064	1104	1224	1342	1390
60	890	944	1088	1224	1274
65	694	786	956	1100	1158
70	524	636	828	980	1042
75	352	492	708	870	930
80	190	364	596	758	822
85	56	260	496	658	722
90	2	180	408	570	630
95	0	118	330	484	538
100	0	78	262	404	458
105	0	52	206	334	382
110	0	36	160	272	316
115	0	26	122	218	254
120	0	20	90	170	202
125	0	16	68	130	158
130	0	14	50	98	118
135	0	12	36	70	84
140	0	10	28	50	62
145	0	0	20	36	42
150	0	0	16	26	30
155	0	0	14	20	22
160	0	0	12	14	16
165	0	0	10	12	12
170	0	0	0	10	12
175	0	0	0	0	0
180	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051603309.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	804.34	N.A.	10.10
0-30	1708.16	N.A.	21.40
0-40	2803.86	N.A.	35.10
0-60	5058.44	N.A.	63.30
0-80	6712.02	N.A.	84.00
0-90	7209.9	N.A.	90.20
10-90	7001.66	N.A.	87.60
20-40	1999.52	N.A.	25.00
20-50	3157.78	N.A.	39.50
40-70	3190.03	N.A.	39.90
60-80	1653.58	N.A.	20.70
70-80	718.14	N.A.	9.00
80-90	497.88	N.A.	6.20
90-110	540.33	N.A.	6.80
90-120	664.28	N.A.	8.30
90-130	731.17	N.A.	9.10
90-150	776.44	N.A.	9.70
90-180	783.81	N.A.	9.80
110-180	243.48	N.A.	3.00
0-180	7993.71	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	208.24
10-20	596.10
20-30	903.82
30-40	1095.7
40-50	1158.26
50-60	1096.32
60-70	935.44
70-80	718.14
80-90	497.88
90-100	330.79
100-110	209.54
110-120	123.95
120-130	66.89
130-140	32.16
140-150	13.11
150-160	5.30
160-170	1.93
170-180	0.14

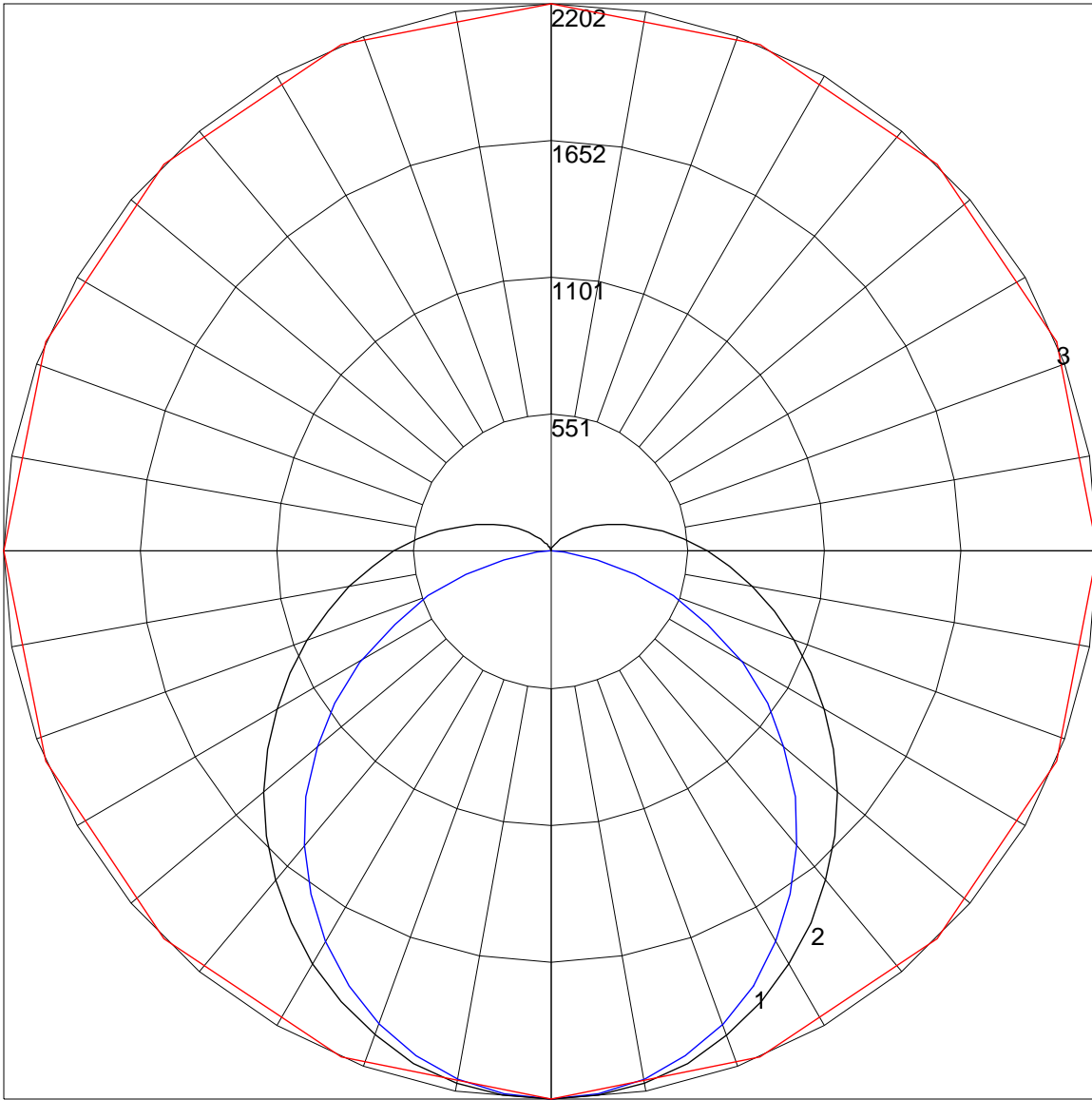
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051603309.IES

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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	93	89	100	95	91	86	89	85	82	83	80	78	78	76	74	71
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	57
3	85	74	65	58	82	72	63	57	67	60	55	63	57	52	59	54	50	48
4	78	65	56	49	75	63	54	48	59	52	46	56	49	44	52	47	43	40
5	71	58	49	42	69	56	47	41	53	45	40	50	43	38	47	41	37	34
6	66	52	43	36	63	51	42	36	48	40	34	45	38	33	43	37	32	30
7	61	47	38	32	59	46	37	31	43	36	30	41	34	29	39	33	29	26
8	57	43	34	28	55	42	33	28	40	32	27	38	31	26	36	30	26	23
9	53	39	31	25	51	38	30	25	36	29	24	35	28	24	33	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	31	25	21	19

POLAR GRAPH



Maximum Candela = 2202 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.)