



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

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051603302.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L051603302
 [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 - 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 L051603301. PRORATION RATIO IS
 [MORE] CALCULATED FROM LIGHT LABORATORY REPORT L051603201(55W, Daylight)
 [MORE] AND L051603202(30W, Daylight).
 [MORE] CANDELA VALUE RATIO = 0.5833(2331.37/3996.86)
 [MORE] POWER RATIO = 0.5974(29.33/49.1)
 [INPUT] 120VAC, 366.6W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	24616
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	366.6
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

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10893	11683	12486
55	10226	11723	12957
65	9542	12394	13522
75	7756	12349	12396
85	3993	7763	7232

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	8208	8208	8208	8208	8208
5	8154	8156	8164	8175	8181
10	8020	8027	8047	8068	8081
15	7800	7816	7855	7893	7910
20	7506	7532	7595	7660	7683
25	7140	7178	7271	7369	7408
30	6715	6766	6896	7035	7088
35	6241	6305	6477	6658	6733
40	5721	5802	6020	6246	6338
45	5157	5258	5531	5800	5911
50	4559	4688	5022	5334	5458
55	3927	4099	4502	4844	4976
60	3311	3537	4003	4349	4456
65	2700	2991	3507	3769	3826
70	2023	2404	2888	3005	3021
75	1344	1819	2140	2164	2148
80	712	1169	1304	1280	1252
85	233	451	453	434	422
90	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2992.41	N.A.	12.20
0-30	6345.39	N.A.	25.80
0-40	10402.44	N.A.	42.30
0-60	18680.98	N.A.	75.90
0-80	24067.49	N.A.	97.80
0-90	24616.29	N.A.	100.00
10-90	23840.53	N.A.	96.80
20-40	7410.03	N.A.	30.10
20-50	11680.1	N.A.	47.40
40-70	11600.74	N.A.	47.10
60-80	5386.51	N.A.	21.90
70-80	2064.31	N.A.	8.40
80-90	548.80	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	24616.29	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	775.76
10-20	2216.66
20-30	3352.98
30-40	4057.05
40-50	4270.07
50-60	4008.47
60-70	3322.2
70-80	2064.31
80-90	548.80
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

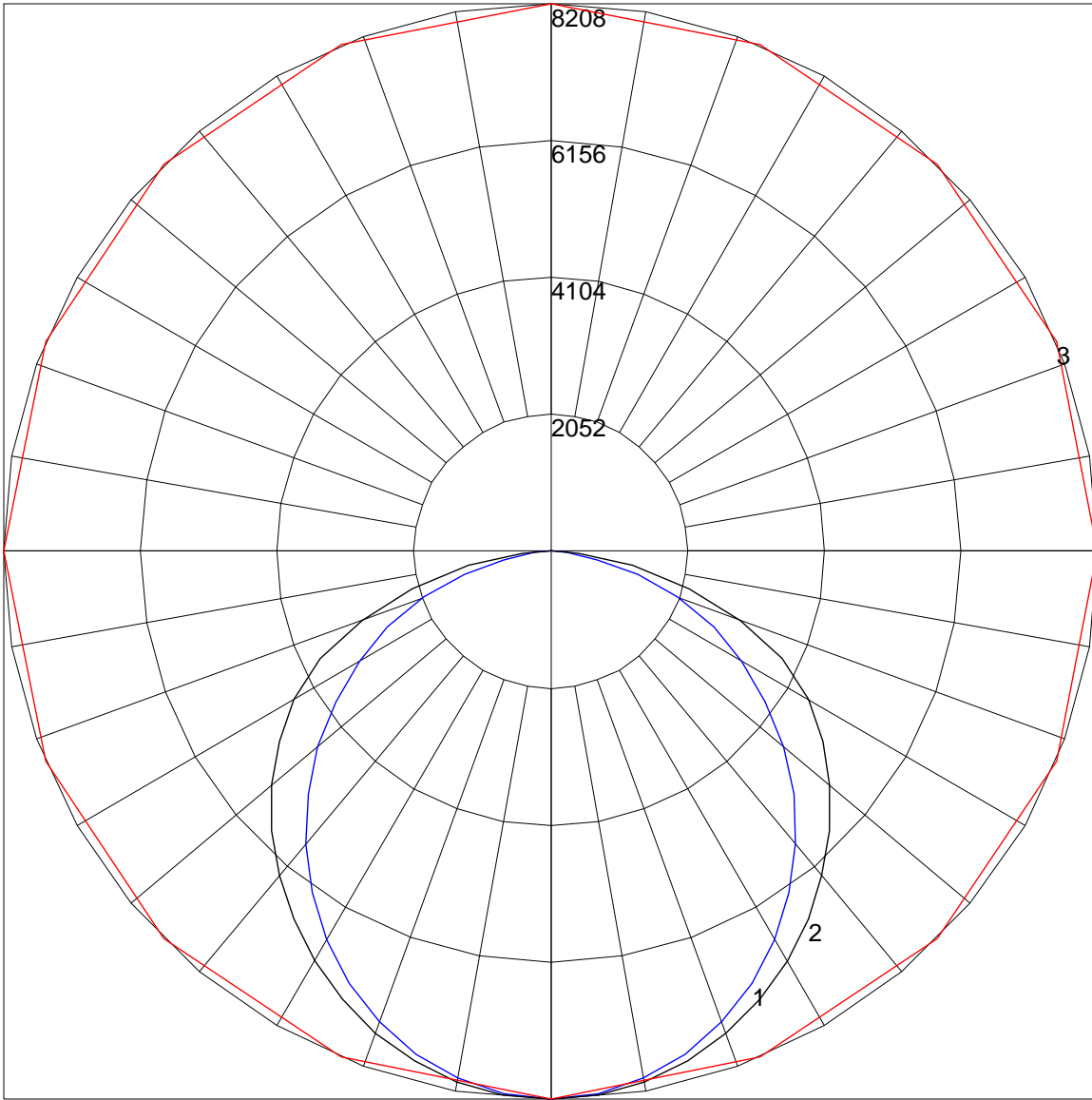
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 8208 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.)