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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051603308.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L051603308
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 5/19/2016
 [MANUFAC] Colt LED
 [LUMCAT] D24X6-GEN2-30W BiColor Fixture
 [LUMINAIRE] 24 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 L051603304 BY USING THE RATIO OF
 [MORE] TOTAL NUMBER OF LAMPS. RATIO=2.0(24 LAMPS / 12 LAMPS).
 [INPUT] 120VAC, 743.69W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	41366
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	743.69
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)	3.84 ft
Luminous Height	0.00 ft

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

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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	13792	13792	13792	13792	13792
5	13702	13706	13718	13738	13748
10	13478	13490	13522	13558	13580
15	13108	13134	13200	13264	13292
20	12614	12656	12764	12872	12910
25	11998	12062	12220	12384	12450
30	11284	11370	11588	11822	11912
35	10488	10594	10884	11188	11314
40	9614	9750	10116	10496	10650
45	8666	8836	9296	9746	9934
50	7662	7878	8440	8964	9172
55	6598	6888	7566	8140	8362
60	5564	5942	6726	7308	7488
65	4536	5026	5892	6334	6430
70	3400	4040	4852	5050	5078
75	2258	3058	3596	3636	3610
80	1196	1964	2190	2152	2104
85	392	758	760	730	708
90	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	5028.59	N.A.	12.20
0-30	10663.22	N.A.	25.80
0-40	17480.72	N.A.	42.30
0-60	31392.49	N.A.	75.90
0-80	40443.93	N.A.	97.80
0-90	41365.99	N.A.	100.00
10-90	40062.38	N.A.	96.80
20-40	12452.13	N.A.	30.10
20-50	19627.96	N.A.	47.40
40-70	19494.22	N.A.	47.10
60-80	9051.44	N.A.	21.90
70-80	3468.99	N.A.	8.40
80-90	922.06	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	41365.99	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1303.61
10-20	3724.98
20-30	5634.63
30-40	6817.49
40-50	7175.83
50-60	6735.94
60-70	5582.45
70-80	3468.99
80-90	922.06
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

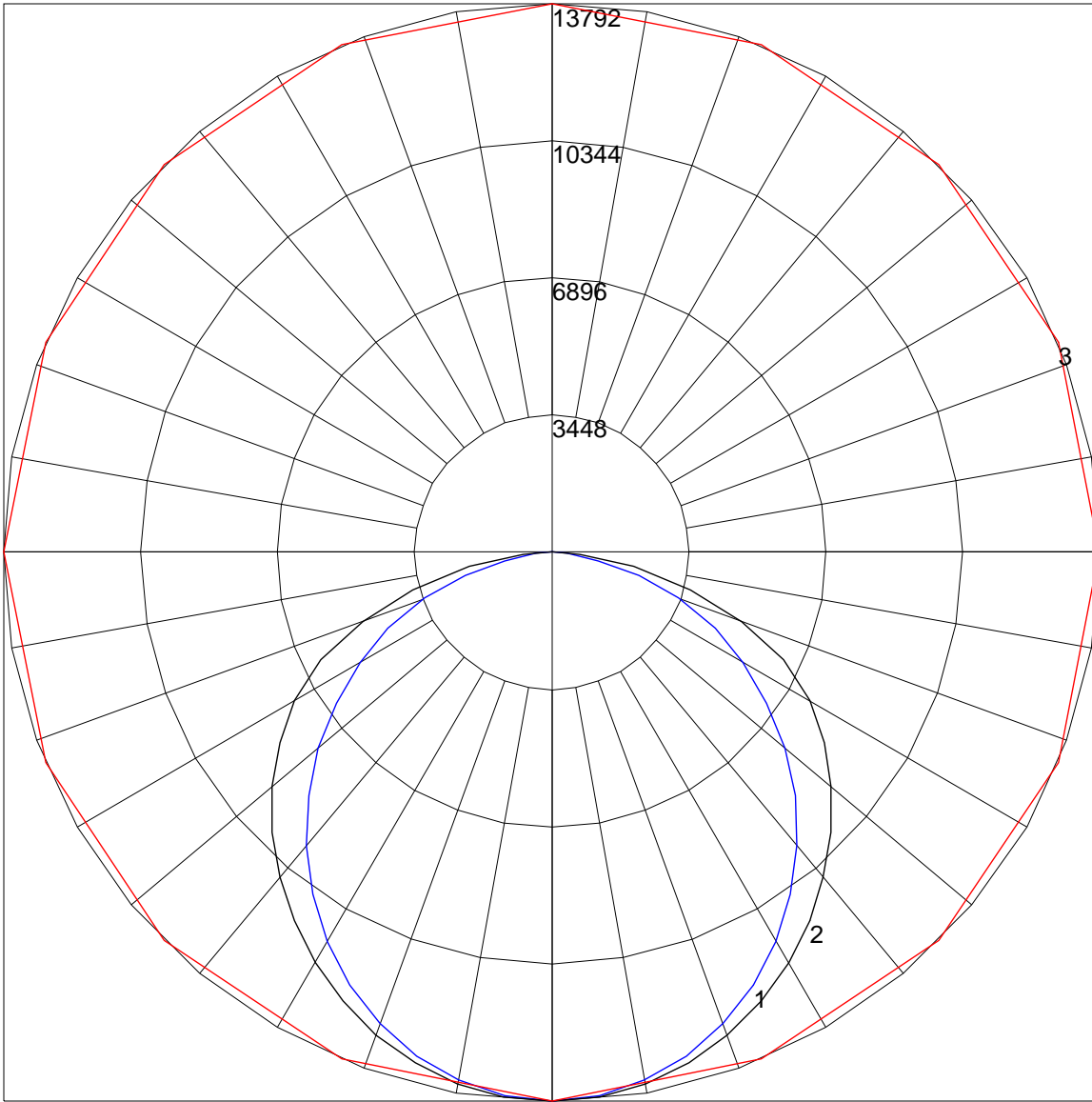
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 13792 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.)