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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051603306.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L051603306
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 5/19/2016
 [MANUFAC] Colt LED
 [LUMCAT] D24X6-GEN2-30W BiColor Fixture
 [LUMINAIRE] 24 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 L051603302 BY USING THE RATIO OF
 [MORE] TOTAL NUMBER OF LAMPS. RATIO=2.0(24 LAMPS / 12 LAMPS).
 [INPUT] 120VAC, 733.19W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	49233
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	733.19
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	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	16416	16416	16416	16416	16416
5	16308	16312	16328	16350	16362
10	16040	16054	16094	16136	16162
15	15600	15632	15710	15786	15820
20	15012	15064	15190	15320	15366
25	14280	14356	14542	14738	14816
30	13430	13532	13792	14070	14176
35	12482	12610	12954	13316	13466
40	11442	11604	12040	12492	12676
45	10314	10516	11062	11600	11822
50	9118	9376	10044	10668	10916
55	7854	8198	9004	9688	9952
60	6622	7074	8006	8698	8912
65	5400	5982	7014	7538	7652
70	4046	4808	5776	6010	6042
75	2688	3638	4280	4328	4296
80	1424	2338	2608	2560	2504
85	466	902	906	868	844
90	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	5984.83	N.A.	12.20
0-30	12690.78	N.A.	25.80
0-40	20804.89	N.A.	42.30
0-60	37361.96	N.A.	75.90
0-80	48134.99	N.A.	97.80
0-90	49232.58	N.A.	100.00
10-90	47681.06	N.A.	96.80
20-40	14820.06	N.A.	30.10
20-50	23360.2	N.A.	47.40
40-70	23201.48	N.A.	47.10
60-80	10773.02	N.A.	21.90
70-80	4128.61	N.A.	8.40
80-90	1097.6	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	49232.58	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1551.52
10-20	4433.31
20-30	6705.95
30-40	8114.11
40-50	8540.14
50-60	8016.94
60-70	6644.41
70-80	4128.61
80-90	1097.6
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

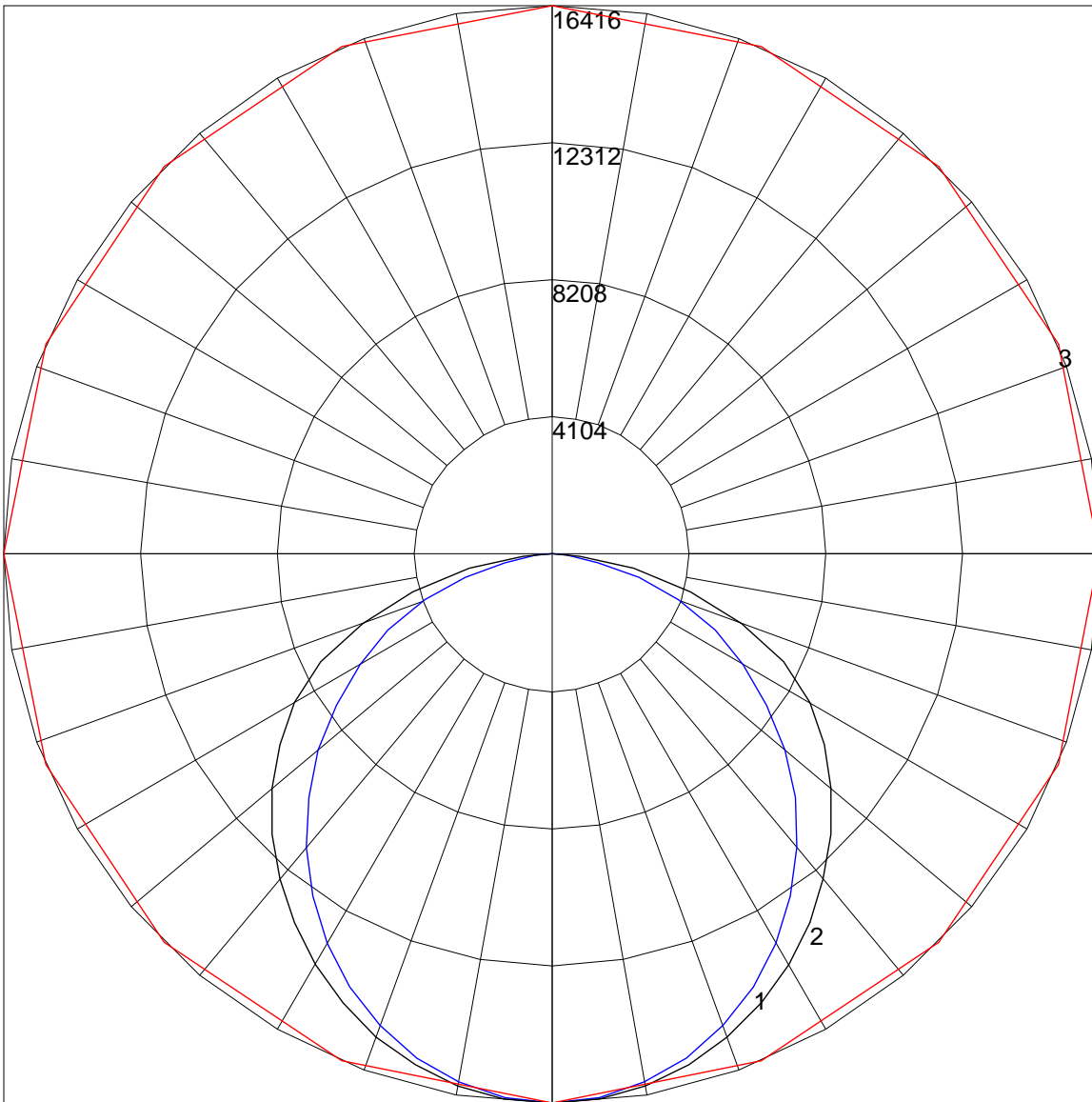
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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 = 16416 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.)