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Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051603310.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L051603310
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUEDATE] 5/19/2016
 [MANUFAC] Colt LED
 [LUMCAT] Bicolor GEN3-110W
 [LUMINAIRE] LED 8 foot lamp - 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 L051603203 BY USING
 [MORE] THE LENGTH RATIO OF 2.0(8 FOOT / 4 FOOT).
 [INPUT] 120VAC, 98.38W
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7271
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	98.38
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	19853	17633	17796
55	18632	16451	17068
65	16846	15526	16687
75	13596	15190	16882
85	6506	16232	18351

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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	2014	2014	2014	2014	2014
5	2002	2004	2004	2004	2006
10	1972	1974	1976	1980	1982
15	1918	1922	1930	1938	1944
20	1846	1854	1868	1882	1892
25	1756	1770	1792	1814	1826
30	1652	1666	1700	1734	1748
35	1538	1554	1596	1642	1666
40	1404	1430	1482	1544	1574
45	1266	1296	1366	1440	1476
50	1118	1152	1242	1334	1370
55	966	1006	1114	1220	1264
60	806	864	990	1110	1160
65	646	704	868	1000	1050
70	482	576	748	892	942
75	322	446	644	788	842
80	172	332	540	690	744
85	54	232	448	600	648
90	2	164	370	516	566
95	0	106	298	436	484
100	0	70	236	364	410
105	0	46	184	302	342
110	0	32	146	246	282
115	0	22	110	196	228
120	0	18	82	152	180
125	0	14	60	118	140
130	0	12	44	86	106
135	0	10	32	64	78
140	0	0	24	44	54
145	0	0	18	32	38
150	0	0	14	24	28
155	0	0	12	18	20
160	0	0	10	14	14
165	0	0	0	10	12
170	0	0	0	0	10
175	0	0	0	0	0
180	0	0	0	0	0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	735.25	N.A.	10.10
0-30	1561.00	N.A.	21.50
0-40	2561.39	N.A.	35.20
0-60	4615.53	N.A.	63.50
0-80	6116.87	N.A.	84.10
0-90	6567.84	N.A.	90.30
10-90	6377.4	N.A.	87.70
20-40	1826.14	N.A.	25.10
20-50	2882.32	N.A.	39.60
40-70	2903.71	N.A.	39.90
60-80	1501.34	N.A.	20.60
70-80	651.77	N.A.	9.00
80-90	450.98	N.A.	6.20
90-110	486.74	N.A.	6.70
90-120	598.13	N.A.	8.20
90-130	657.87	N.A.	9.00
90-150	697.45	N.A.	9.60
90-180	703.55	N.A.	9.70
110-180	216.81	N.A.	3.00
0-180	7271.39	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	190.44
10-20	544.81
20-30	825.75
30-40	1000.39
40-50	1056.18
50-60	997.96
60-70	849.57
70-80	651.77
80-90	450.98
90-100	298.32
100-110	188.42
110-120	111.39
120-130	59.74
130-140	28.28
140-150	11.30
150-160	4.77
160-170	1.28
170-180	0.04

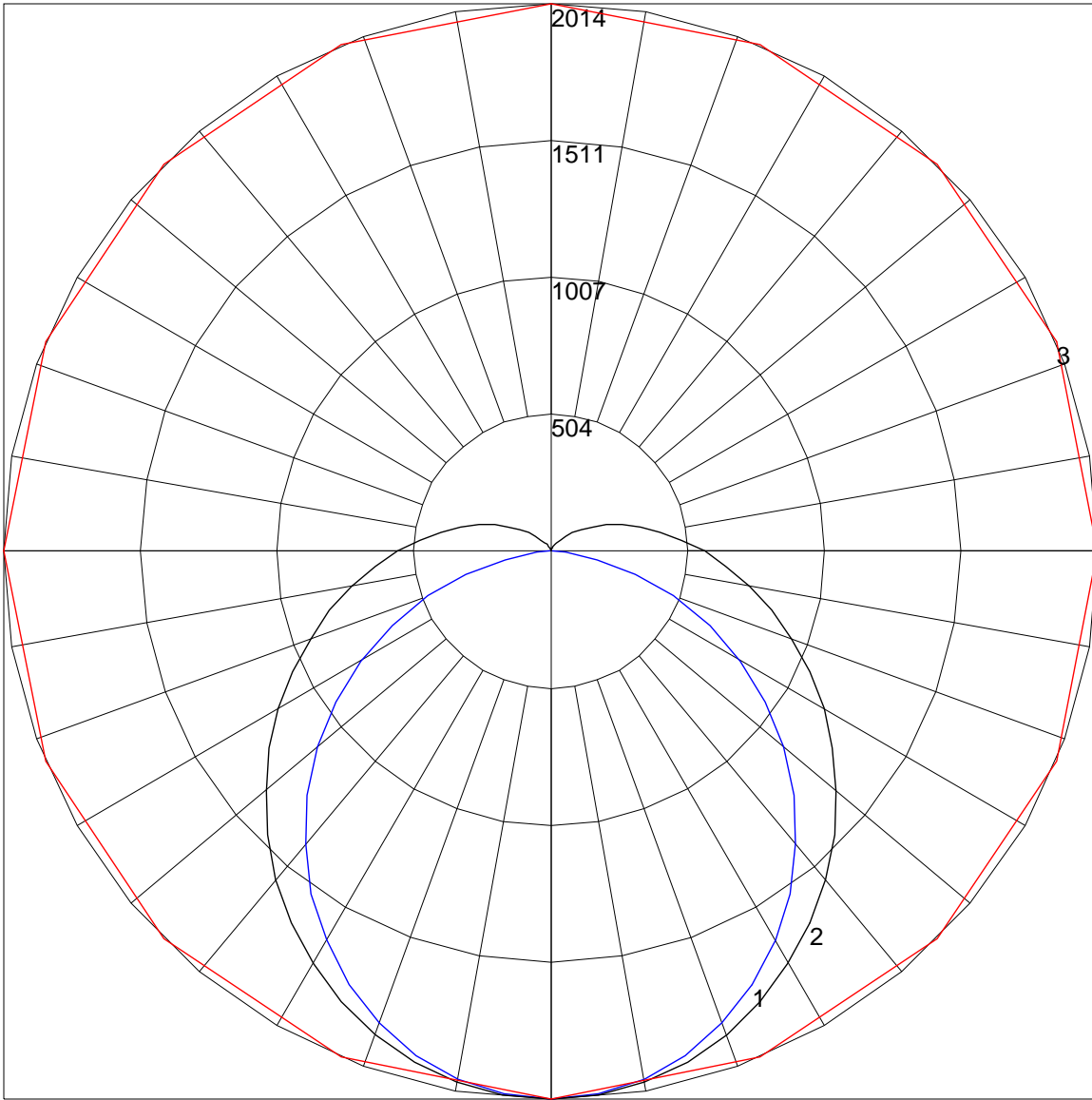
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	94	89	100	95	91	87	89	85	82	84	81	78	78	76	74	71
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	58
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	55	48	59	52	46	56	50	44	53	47	43	40
5	71	58	49	42	69	56	48	41	53	45	40	50	43	38	47	42	37	35
6	66	52	43	36	63	51	42	36	48	40	35	45	39	33	43	37	32	30
7	61	47	38	32	59	46	37	31	43	36	30	41	34	30	39	33	29	26
8	57	43	34	28	55	42	34	28	40	32	27	38	31	26	36	30	26	24
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 = 2014 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.)