



IES INDOOR REPORT
PHOTOMETRIC FILENAME : L051807202.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L051807202
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 5/31/2018
[MANUFAC] Kino Flo Lighting Systems
[LUMCAT] DIV-L41XCU
[LUMINAIRE] Diva-Lite 41 w 90 degree louver
[BALLASTCAT] Kino Flo DIV-L41X
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
[INPUT] 120VAC, 119.16W
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1319
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	11
Total Luminaire Watts	119.16
Ballast Factor	1.00
CIE Type	Direct
Spacing Criteria (0-180)	0.66
Spacing Criteria (90-270)	0.66
Spacing Criteria (Diagonal)	0.72
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.58 ft
Luminous Width (90-270)	4.04 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	458	461	461
55	120	120	128
65	22	22	22
75	18	18	18
85	0	53	53

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	2304	2304	2304	2304	2304	2304	2304	2304	2304	2304
1.0	2289	2289	2291	2292	2291	2289	2289	2292	2294	2296
3.0	2221	2222	2224	2225	2224	2223	2224	2226	2230	2232
5.0	2133	2134	2135	2137	2136	2136	2137	2140	2144	2146
7.0	2026	2027	2029	2030	2030	2030	2031	2035	2038	2041
9.0	1906	1849	1854	1860	1868	1877	1886	1895	1908	1918
11.0	1779	1781	1782	1784	1784	1784	1786	1790	1793	1797
13.0	1651	1653	1654	1655	1656	1656	1658	1661	1664	1668
15.0	1523	1525	1526	1527	1527	1528	1530	1532	1535	1538
17.0	1394	1396	1398	1399	1400	1401	1402	1404	1407	1409
19.5	1232	1233	1234	1237	1238	1240	1242	1244	1246	1247
22.5	1038	1040	1041	1044	1046	1048	1050	1052	1053	1054
25.5	848	849	851	854	856	858	860	862	863	864
29.0	635	636	638	640	642	644	646	648	649	650
33.0	412	413	414	416	417	418	419	421	423	425
37.5	208	208	208	207	207	207	208	210	212	214
42.5	90	90	90	90	89	89	89	89	90	91
47.5	51	51	51	51	51	51	51	50	50	51
55.0	15	15	15	15	15	15	16	16	15	15
65.0	2	2	2	2	2	2	2	2	2	2
75.0	1	1	1	1	1	1	1	1	1	1
85.0	0	0	0	0	0	0	0	1	0	1
90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0.0	2304	2304	2304	2304	2304	2304	2304	2304	2304
1.0	2294	2290	2285	2281	2281	2284	2286	2286	2287
3.0	2231	2228	2225	2223	2224	2227	2229	2230	2230
5.0	2146	2143	2140	2137	2139	2141	2144	2145	2145
7.0	2041	2039	2037	2035	2036	2038	2041	2042	2042
9.0	1928	1936	1942	1949	1957	1965	1974	1982	1926
11.0	1798	1797	1796	1795	1796	1799	1801	1802	1802
13.0	1669	1669	1668	1668	1669	1672	1674	1675	1676
15.0	1539	1539	1540	1539	1541	1544	1546	1548	1548
17.0	1410	1410	1410	1410	1412	1415	1419	1421	1421
19.5	1248	1248	1248	1249	1251	1254	1258	1260	1261
22.5	1055	1054	1054	1055	1058	1061	1065	1068	1069
25.5	864	864	864	865	868	871	875	878	879
29.0	650	650	651	652	654	657	660	662	662
33.0	426	426	426	427	429	431	432	433	434
37.5	217	218	219	219	219	219	219	219	219
42.5	92	92	93	93	92	92	91	91	91
47.5	51	51	51	51	51	51	51	51	51
55.0	15	15	15	15	15	15	16	16	16
65.0	2	2	2	2	2	2	2	2	2
75.0	1	1	1	1	1	1	1	1	1
85.0	1	1	1	1	1	1	1	1	1
90.0	1	1	1	1	1	1	1	1	1

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	994.52	N.A.	75.40
0-40	1206.25	N.A.	91.40
0-60	1308.5	N.A.	99.20
0-90	1319.37	N.A.	100.00
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
0-180	1319.37	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	161.01
10-20	437.08
20-30	396.43
30-40	211.73
40-50	81.05
50-60	21.20
60-70	8.18
70-80	1.54
80-90	1.14
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

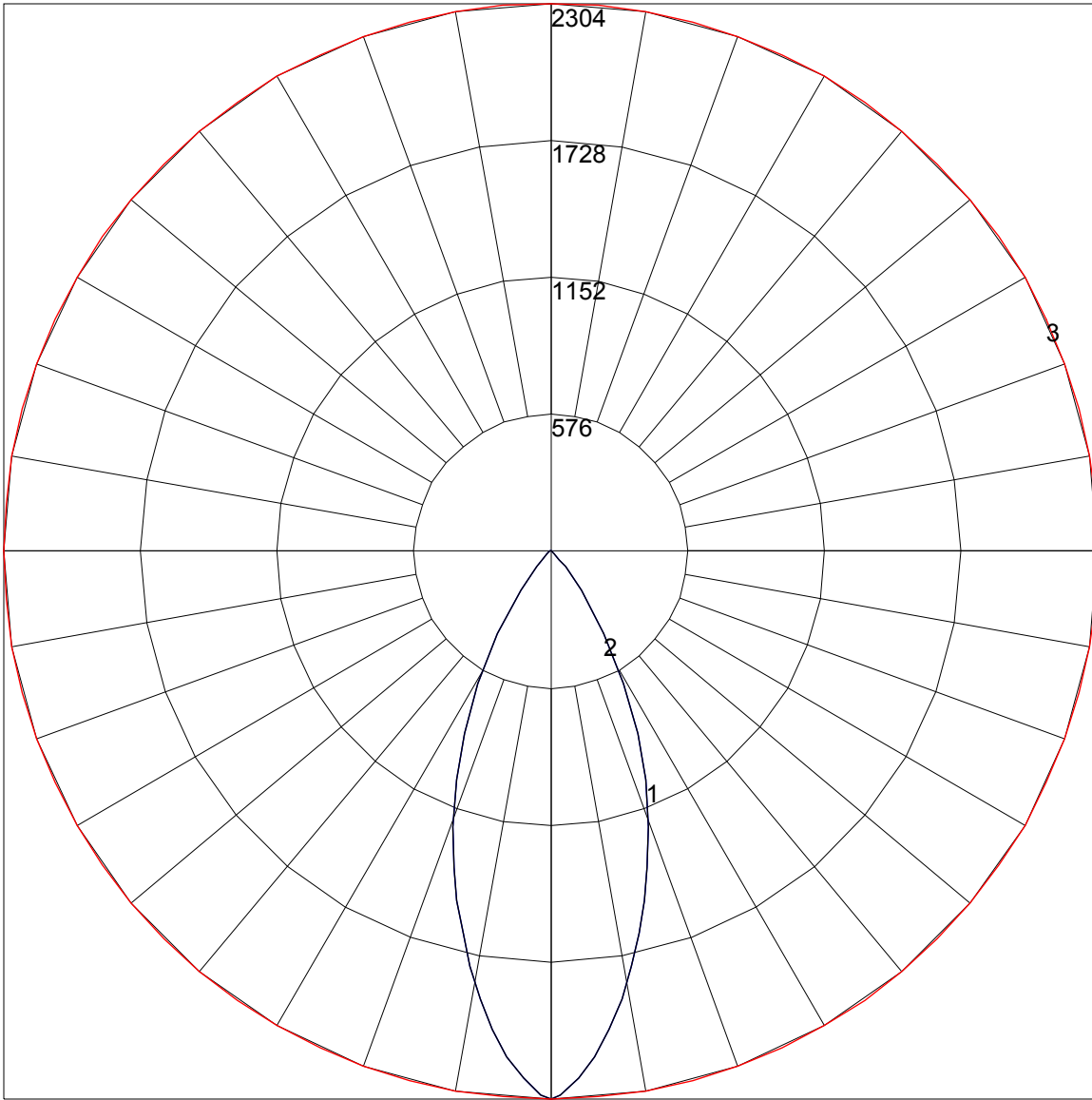
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	0
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	0
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88	0
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82	0
4	98	91	85	81	96	90	85	81	87	83	80	85	82	79	84	81	78	77	0
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72	0
6	89	80	75	70	87	80	74	70	78	73	70	77	72	69	75	72	69	67	0
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63	0
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60	0
9	77	68	62	58	76	68	62	58	67	62	58	66	61	58	65	61	58	57	0
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	54	0

POLAR GRAPH



Maximum Candela = 2304 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 (0 - 180)

3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)