



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 1340091- 2X28.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTDATE] 10-abr-13
 [TEST] 1340091
 [ISSUE DATE] 10-abr-13
 [MANUFAC] ELECTROCONTROL
 [LUMCAT] FLUORESCENTE LINEAL
 [LUMINAIRE] LUMINARIA GLACIAR (R) 2X28W T5 30X120 INCRUSTAR RECTO CON MARCO Y ACRILICO
 [LAMPCAT] CONSECUTIVO DE INGRESO 0189-05- ACRILICO PRISMATICO
 [LAMP] 1340088 19-
 [BALLAST] BALASTO ELECTRONICO MV
 [TESTLAB] LAPEC LABORATORIO DE PRUEBAS Y ENSAYOS ELECTROCONTROL S.A.
 [MORE] web: www.electrocontrol.com.co
 [MORE] 400 55 00 Ext. 1501 y 1403 Servicio al cliente 01-8000-52-7878
 [MORE] El laboratorio LAPEC garantiza la trazabilidad de sus patrones.

CHARACTERISTICS

Lumens Per Lamp	2640 (2 lamps)
Total Lamp Lumens	5280
Luminaire Lumens	3006
Total Luminaire Efficiency	56 %
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	56
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.00
Spacing Criterion (90-270)	1.00
Spacing Criterion (Diagonal)	1.00
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.20 m
Luminous Width (90-270)	0.30 m
Luminous Height	0.10 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2540	2120	2108
55	2314	1771	1770
65	2006	1372	1409
75	1464	817	884
85	456	175	165

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1340091- 2X28.IES

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	1206	1206	1206	1206	1206	1206	1206	1206	1206	1206
5	1180	1180	1177	1178	1177	1177	1177	1177	1177	1175
10	1156	1151	1151	1151	1150	1150	1151	1151	1151	1151
15	1111	1110	1107	1107	1108	1110	1111	1114	1114	1113
20	1053	1048	1047	1050	1052	1055	1059	1063	1064	1065
25	985	980	980	982	985	991	996	1001	1004	1006
30	916	912	909	912	915	918	924	927	930	934
35	848	842	841	844	844	848	850	853	853	857
40	773	768	766	766	770	772	773	774	777	779
45	701	696	694	694	696	696	696	696	696	699
50	622	614	614	614	616	616	614	612	611	610
55	535	531	528	528	529	526	524	520	519	520
60	450	445	441	441	439	437	433	429	432	433
65	360	354	350	350	347	345	341	343	341	341
70	267	263	260	260	255	256	256	255	252	249
75	179	175	172	172	170	170	170	168	164	160
80	96	92	92	92	92	92	90	86	86	81
85	28	28	28	30	32	32	31	28	25	24
90	22	22	4	6	10	7	6	4	10	10

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	1206	1206	1206	1206	1206	1206	1206	1206	1206
5	1175	1178	1177	1179	1180	1179	1178	1180	1179
10	1151	1153	1154	1155	1155	1155	1156	1156	1155
15	1115	1117	1119	1120	1120	1121	1120	1121	1121
20	1066	1068	1070	1068	1071	1071	1072	1073	1074
25	1008	1010	1013	1014	1015	1018	1016	1019	1022
30	936	942	946	949	952	954	955	956	957
35	864	868	872	876	878	878	880	880	881
40	783	786	790	792	795	795	797	797	795
45	700	701	705	707	710	712	714	714	716
50	609	614	617	620	624	625	627	627	629
55	522	525	526	529	531	533	537	537	540
60	435	433	435	437	441	444	448	452	454
65	341	341	343	345	350	356	362	365	368
70	248	247	251	255	260	265	271	274	277
75	160	160	164	168	172	177	180	182	185
80	82	82	84	86	88	92	94	95	96
85	23	22	22	24	24	24	23	25	25
90	0	0	0	0	0	0	0	0	0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1340091- 2X28.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	425.00	8.00	14.00
0-30	887.00	16.00	29.00
0-40	1425.00	26.00	47.00
0-60	2439.00	46.00	81.00
0-80	2966.00	56.00	98.00
0-90	3005.00	56.00	99.00
10-90	2894.00	54.00	96.00
20-40	999.00	18.00	33.00
20-50	1540.00	29.00	51.00
40-70	1359.00	25.00	45.00
60-80	526.00	9.00	17.00
70-80	181.00	3.00	6.00
80-90	39.00	0.00	1.00
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	3005.00	56.00	99.00

Total Luminaire Efficiency = 56.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.87
10-20	313.92
20-30	461.57
30-40	538.20
40-50	541.18
50-60	472.55
60-70	345.32
70-80	181.42
80-90	39.84
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

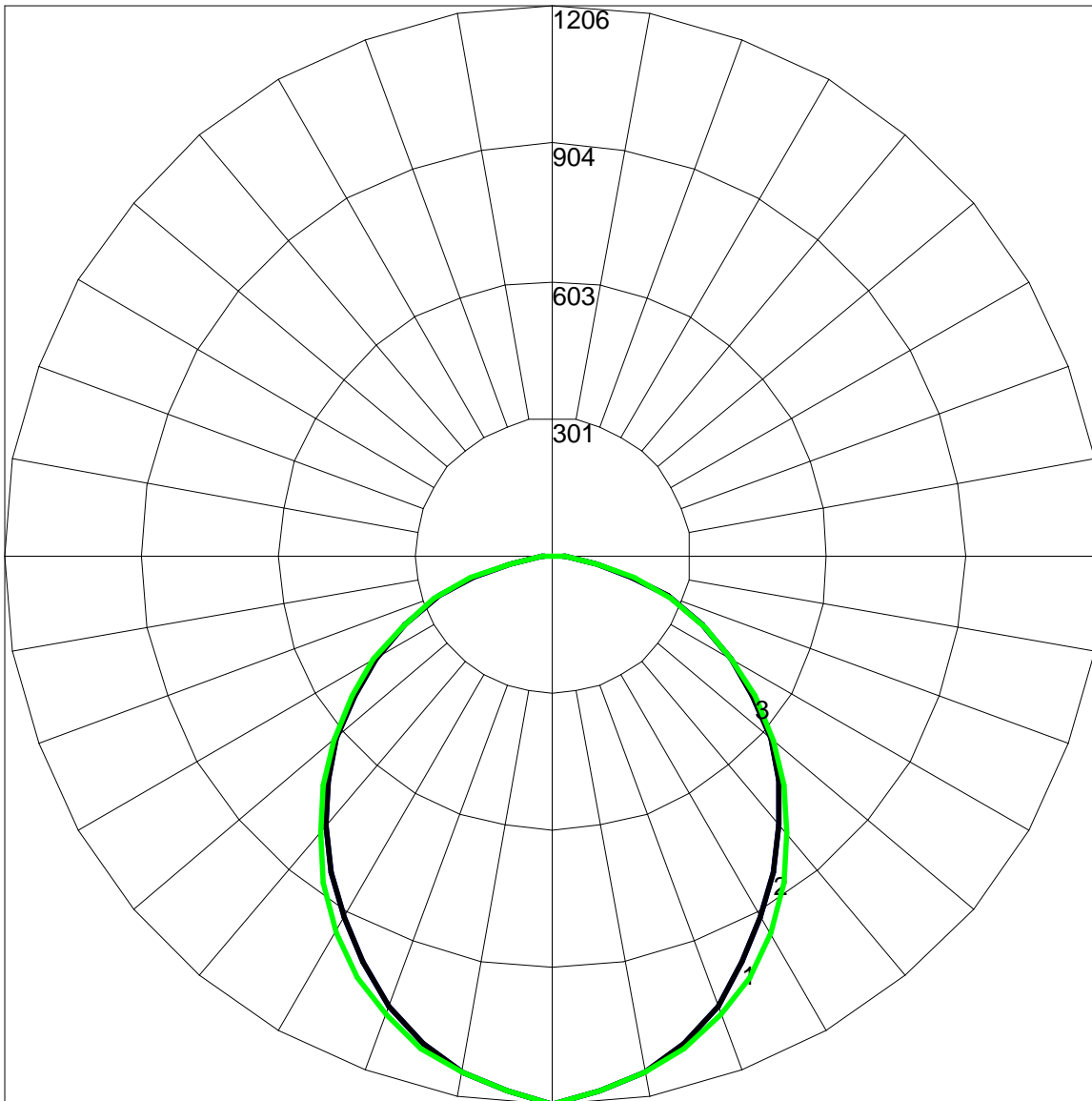
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1340091- 2X28.IES

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	67	67	67	67	66	66	66	66	63	63	63	60	60	60	58	58	58	56
1	62	59	57	55	60	58	56	54	55	54	52	53	52	50	51	50	49	48
2	56	52	48	45	55	51	47	44	49	46	43	47	44	42	45	43	41	40
3	51	45	41	37	50	45	40	37	43	39	36	41	38	36	40	37	35	34
4	47	40	35	32	46	40	35	31	38	34	31	37	33	31	36	33	30	29
5	43	36	31	27	42	35	31	27	34	30	27	33	29	27	32	29	26	25
6	40	32	27	24	39	32	27	24	31	27	24	30	26	23	29	26	23	22
7	37	29	25	21	36	29	24	21	28	24	21	27	24	21	27	23	21	19
8	34	27	22	19	34	26	22	19	26	22	19	25	21	19	24	21	18	17
9	32	25	20	17	31	24	20	17	24	20	17	23	19	17	23	19	17	16
10	30	23	18	15	29	22	18	15	22	18	15	21	18	15	21	18	15	14

POLAR GRAPH



Maximum Candela = 1206 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 - Vertical Plane Through Horizontal Angles (90 - 270)