

Photometric Report

CATALOG NUMBER: FILENAME: CHROMA 10W 60DEG.IES

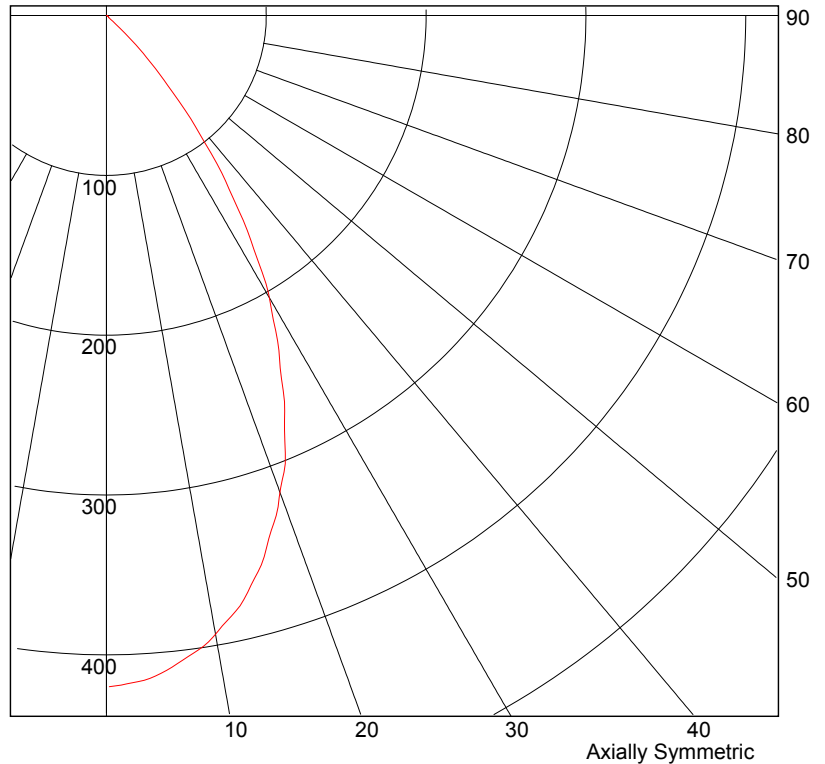
Tuesday, June 08, 2010

IESNA:LM-63-2002
[TEST] XICATO Report 1256069513
[TESTLAB] XICATO Photometric Labs
[ISSUEDATE] 2009-10-20
[MANUFAC] XICATO
[LAMP] XSM80XX-400 with XSA-12 (60deg 70mm plastic reflector) at 70C, 80CRI module

SUMMARY DATA

HEMISPHERES TESTED: LOWER
EFFICIENCY (Total): 92.2 %
EFFICIENCY (Downlight): 92.2 %
SPACING CRITERION (0-Deg.): 0.89
LUMENS/LAMP: 400
NO. OF LAMPS: 1
LUMINOUS OPENING: CIRCULAR
Diameter: 0.07 (Meters)
INPUT WATTS: 9

CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	259.1	64.8	70.3
0 - 40	343.9	86.0	93.3
0 - 60	366.9	91.7	99.5
60 - 90	1.8	0.4	0.5
0 - 90	368.6	92.2	100.0

AVERAGE LUMINANCE (Candelas / Square Meter)

Angle	0
0	109135
45	10326
55	725
65	553
75	402
85	596

COEFFICIENT OF UTILIZATION TABLE (Effective Floor Cavity Reflectance = 20%)

Pcc ...	80				70				50				30				10				0
Pw ...	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	1.10	1.10	1.10	1.10	1.07	1.07	1.07	1.07	1.02	1.02	1.02	.98	.98	.98	.94	.94	.94	.92	.92	.92	.92
1	1.05	1.02	1.00	.98	1.02	1.00	.98	.96	.96	.95	.93	.93	.92	.90	.90	.89	.88	.86	.86	.86	.86
2	.99	.95	.91	.88	.97	.93	.90	.87	.90	.88	.85	.88	.85	.83	.85	.83	.82	.80	.80	.80	.80
3	.94	.89	.84	.80	.93	.87	.83	.80	.85	.81	.78	.83	.80	.77	.81	.78	.76	.75	.75	.75	.75
4	.90	.83	.78	.74	.88	.82	.77	.73	.80	.76	.72	.78	.74	.72	.76	.73	.71	.69	.69	.69	.69
5	.85	.77	.72	.68	.84	.77	.72	.68	.75	.71	.67	.73	.70	.67	.72	.69	.66	.65	.65	.65	.65
6	.81	.73	.67	.63	.80	.72	.67	.63	.71	.66	.63	.69	.65	.62	.68	.65	.62	.60	.60	.60	.60
7	.77	.68	.63	.59	.76	.68	.62	.59	.67	.62	.58	.65	.61	.58	.64	.61	.58	.57	.57	.57	.57
8	.73	.64	.59	.55	.72	.64	.59	.55	.63	.58	.55	.62	.58	.54	.61	.57	.54	.53	.53	.53	.53
9	.70	.61	.55	.52	.69	.60	.55	.51	.59	.55	.51	.59	.54	.51	.58	.54	.51	.50	.50	.50	.50
10	.66	.57	.52	.48	.65	.57	.52	.48	.56	.52	.48	.55	.51	.48	.55	.51	.48	.47	.47	.47	.47

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CANDELA TABLE

Vertical Angle	Horizontal Angles
0	0
0	420
1	419
2	418
3	417
4	415
5	412
6	409
7	405
8	402
9	398
10	393
11	387
12	383
13	377
14	370
15	362
16	355
17	345
18	336
19	328
20	317
21	309
22	299
23	285
24	274
25	263
26	249
27	238
28	227
29	214
30	204
31	192
32	176
33	164
34	150
35	136
36	125
37	112
38	97
39	86
40	74
41	61
42	52
43	43
44	35
45	28
46	19
47	10
48	4
49	2
50	2
51	2
52	2
53	2
54	2
55	2
56	2
57	2
58	1
59	1
60	1
61	1
62	1
63	1
64	1
65	1
66	1
67	1
68	1
69	1
70	1
71	1
72	1
73	1

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CANDELA TABLE (continued)

Vertical Angle	Horizontal Angles
74	0
75	1
76	0
77	0
78	0
79	0
80	0
81	0
82	0
83	0
84	0
85	0
86	0
87	0
88	0
89	0
90	0

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