

Photometric Report

CATALOG NUMBER: FILENAME: CHROMA 10W 40DEG.IES

Tuesday, June 08, 2010

IESNA:LM-63-2002
[TEST] XICATO Report 1256069471
[TESTLAB] XICATO Photometric Labs
[ISSUEDATE] 2009-10-20
[MANUFAC] XICATO
[LAMP] XSM80XX-400 with XSA-11 (40deg 70mm plastic reflector) at 70C, 80CRI module

SUMMARY DATA

HEMISPHERES TESTED: LOWER
EFFICIENCY (Total): 88.1 %
EFFICIENCY (Downlight): 88.1 %
SPACING CRITERION (0-Deg.): 0.64
LUMENS/LAMP: 400
NO. OF LAMPS: 1
LUMINOUS OPENING: CIRCULAR
Diameter: 0.07 (Meters)
INPUT WATTS: 9

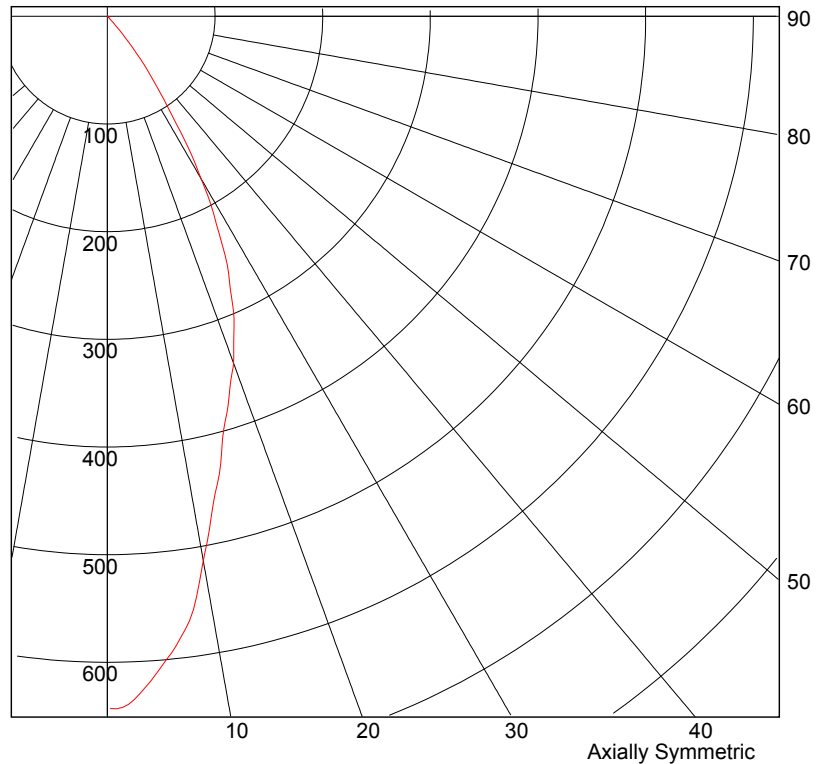
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0 - 30	290.8	72.7	82.5
0 - 40	344.9	86.2	97.9
0 - 60	351.0	87.8	99.6
60 - 90	1.4	0.3	0.4
0 - 90	352.4	88.1	100.0

AVERAGE LUMINANCE (Candelas / Square Meter)

Angle	0
0	166976
45	992
55	680
65	492
75	402
85	596

CANDELA PLOT



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	50	30	10	0
RCR																								
0	1.05	1.05	1.05	1.05	1.02	1.02	1.02	1.02	.98	.98	.98	.94	.94	.94	.90	.90	.90	.88	.88	.88	.88	.88	.88	.88
1	1.00	.98	.96	.94	.98	.96	.94	.93	.93	.91	.90	.89	.88	.87	.86	.86	.85	.83	.83	.83	.83	.83	.83	.83
2	.96	.92	.89	.86	.94	.91	.88	.85	.88	.85	.83	.85	.83	.82	.83	.81	.80	.78	.78	.78	.78	.78	.78	.78
3	.92	.87	.83	.80	.90	.85	.82	.79	.83	.80	.78	.81	.79	.76	.79	.77	.75	.74	.74	.74	.74	.74	.74	.74
4	.88	.82	.77	.74	.86	.81	.77	.74	.79	.75	.73	.77	.74	.72	.76	.73	.71	.70	.70	.70	.70	.70	.70	.70
5	.84	.77	.73	.69	.83	.77	.72	.69	.75	.71	.68	.74	.70	.68	.72	.69	.67	.66	.66	.66	.66	.66	.66	.66
6	.80	.73	.68	.65	.79	.73	.68	.65	.71	.67	.64	.70	.67	.64	.69	.66	.64	.62	.62	.62	.62	.62	.62	.62
7	.77	.69	.65	.61	.76	.69	.64	.61	.68	.64	.61	.67	.63	.61	.66	.63	.60	.59	.59	.59	.59	.59	.59	.59
8	.74	.66	.61	.58	.73	.66	.61	.58	.65	.61	.58	.64	.60	.57	.63	.60	.57	.56	.56	.56	.56	.56	.56	.56
9	.71	.63	.58	.55	.70	.63	.58	.55	.62	.58	.55	.61	.57	.55	.60	.57	.54	.53	.53	.53	.53	.53	.53	.53
10	.68	.60	.55	.52	.67	.60	.55	.52	.59	.55	.52	.58	.55	.52	.58	.54	.52	.51	.51	.51	.51	.51	.51	.51

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CANDELA TABLE

Vertical Angle	Horizontal Angles
0	0
0	643
1	643
2	638
3	627
4	615
5	603
6	591
7	577
8	562
9	539
10	513
11	492
12	469
13	450
14	433
15	412
16	395
17	382
18	367
19	354
20	343
21	328
22	314
23	300
24	282
25	267
26	252
27	231
28	213
29	196
30	174
31	156
32	135
33	112
34	96
35	81
36	69
37	59
38	47
39	36
40	27
41	18
42	11
43	6
44	4
45	3
46	3
47	2
48	2
49	2
50	2
51	2
52	2
53	2
54	2
55	2
56	1
57	1
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	0

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CANDELA TABLE (continued)

Vertical	Horizontal Angles
<u>Angle</u>	<u>0</u>
74	0
75	0
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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