

Photometric Report

CATALOG NUMBER: FILENAME: CHROMA 10W 20DEG.IES

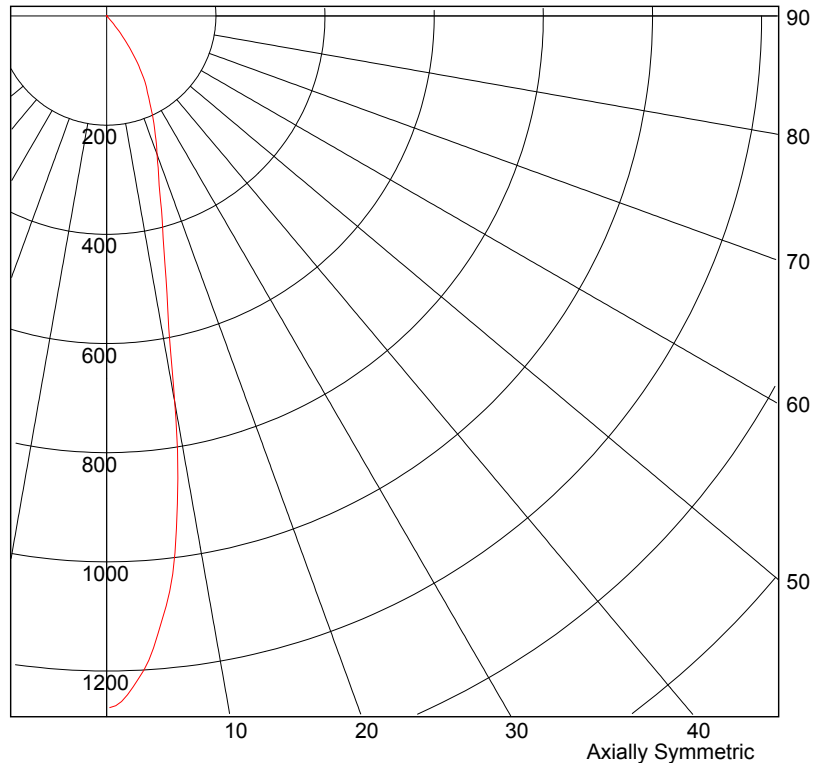
Tuesday, June 08, 2010

IESNA:LM-63-2002
 [TEST] XICATO Report 1256069412
 [TESTLAB] XICATO Photometric Labs
 [ISSUEDATE] 2009-10-20
 [MANUFAC] XICATO
 [LAMP] XSM80XX-400 with XSA-10 (20deg 70mm plastic reflector) at 70C, 80CRI module

SUMMARY DATA

HEMISPHERES TESTED: LOWER
 EFFICIENCY (Total): 89.2 %
 EFFICIENCY (Downlight): 89.2 %
 SPACING CRITERION (0-Deg.): 0.37
 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	299.1	74.8	83.8
0 - 40	349.1	87.3	97.8
0 - 60	355.4	88.9	99.6
60 - 90	1.4	0.3	0.4
0 - 90	356.8	89.2	100.0

AVERAGE LUMINANCE (Candelas / Square Meter)

Angle	0
0	329457
45	1102
55	725
65	492
75	402
85	298

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	1.06	1.06	1.06	1.06	1.04	1.04	1.04	1.04	.99	.99	.99	.95	.95	.95	.91	.91	.91	.89	.89	.89	.89
1	1.02	1.00	.98	.96	1.00	.98	.96	.95	.94	.93	.92	.91	.90	.89	.88	.87	.87	.85	.85	.85	.85
2	.98	.94	.91	.89	.96	.93	.90	.88	.90	.88	.86	.87	.86	.84	.85	.83	.82	.81	.81	.81	.81
3	.94	.89	.86	.83	.92	.88	.85	.82	.86	.83	.81	.84	.81	.79	.82	.80	.78	.77	.77	.77	.77
4	.90	.85	.81	.78	.89	.84	.80	.77	.82	.79	.76	.80	.78	.75	.79	.76	.74	.73	.73	.73	.73
5	.87	.81	.76	.73	.86	.80	.76	.73	.78	.75	.72	.77	.74	.72	.76	.73	.71	.70	.70	.70	.70
6	.84	.77	.73	.70	.82	.76	.72	.69	.75	.72	.69	.74	.71	.68	.73	.70	.68	.67	.67	.67	.67
7	.81	.74	.69	.66	.80	.73	.69	.66	.72	.68	.66	.71	.68	.65	.70	.67	.65	.64	.64	.64	.64
8	.78	.71	.66	.63	.77	.70	.66	.63	.69	.66	.63	.69	.65	.63	.68	.65	.62	.61	.61	.61	.61
9	.75	.68	.64	.61	.74	.68	.63	.61	.67	.63	.60	.66	.63	.60	.65	.62	.60	.59	.59	.59	.59
10	.72	.65	.61	.58	.72	.65	.61	.58	.64	.61	.58	.64	.60	.58	.63	.60	.58	.57	.57	.57	.57

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CANDELA TABLE

Vertical Angle	Horizontal Angles
0	0
0	1268
1	1261
2	1237
3	1208
4	1173
5	1123
6	1074
7	1012
8	925
9	833
10	720
11	605
12	534
13	479
14	430
15	395
16	361
17	331
18	309
19	288
20	270
21	255
22	240
23	224
24	211
25	197
26	183
27	171
28	160
29	151
30	142
31	130
32	117
33	106
34	92
35	80
36	69
37	57
38	47
39	38
40	27
41	18
42	12
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	2
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	0
73	0

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CANDELA TABLE (continued)

Vertical Angle	Horizontal Angles 0
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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