

Photometrics Pro

Luminaire Photometric Report

Filename: T21996t

Manufacturer: ECLIPSE LIGHTING - WALL MOUNT LUMINAIRE

Luminaire: WITH WHITE INTERIOR AND CLEAR FLAT PLASTIC LENS TOP AND BOTTOM

Luminaire Cat: CO-XL1-LED-4W UP/DOWN

Lamp: 8 LEDS IN TWO 4 LED MODULES WITH BUILT IN DRIVERS. LUMEN RATING = 88 LMS.

Lamp Output: 1 lamp, rated Lumens/lamp: 88

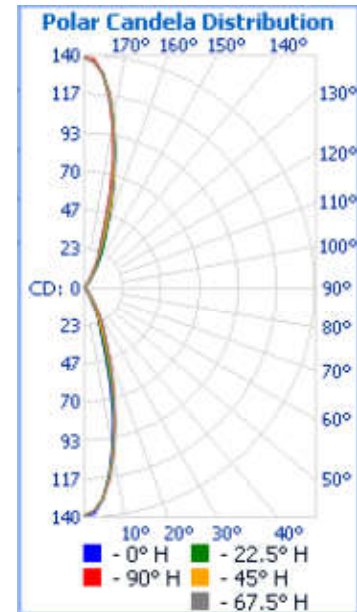
Max Candela: 138.2 at Horizontal: 0°, Vertical: 0°

Input Wattage: 11

Luminous Opening: Rectangle (L: 3.48", W: 3.48")

Test: 21996

Photometry : Type C

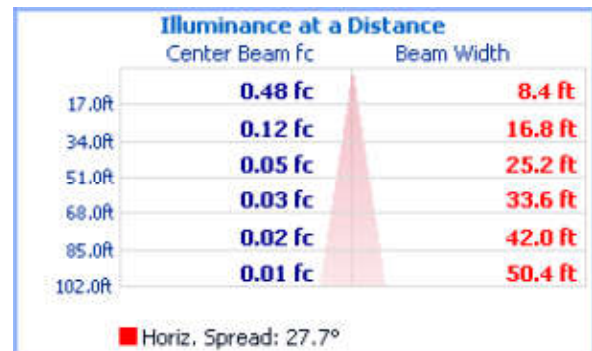
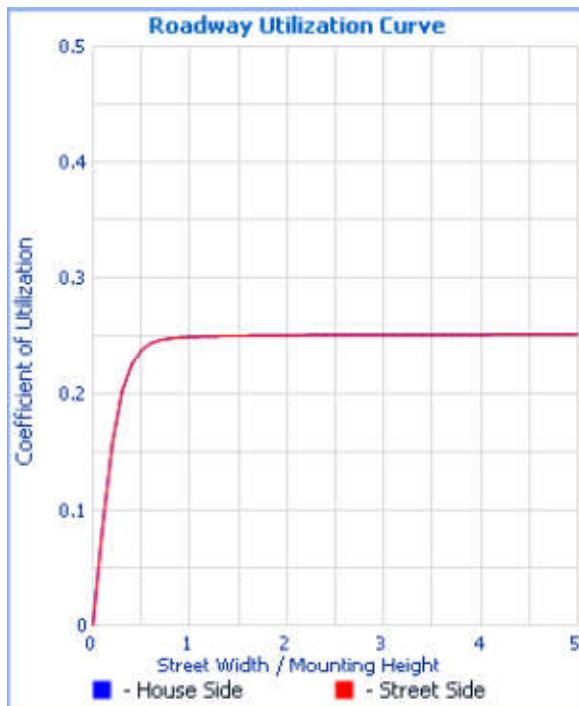
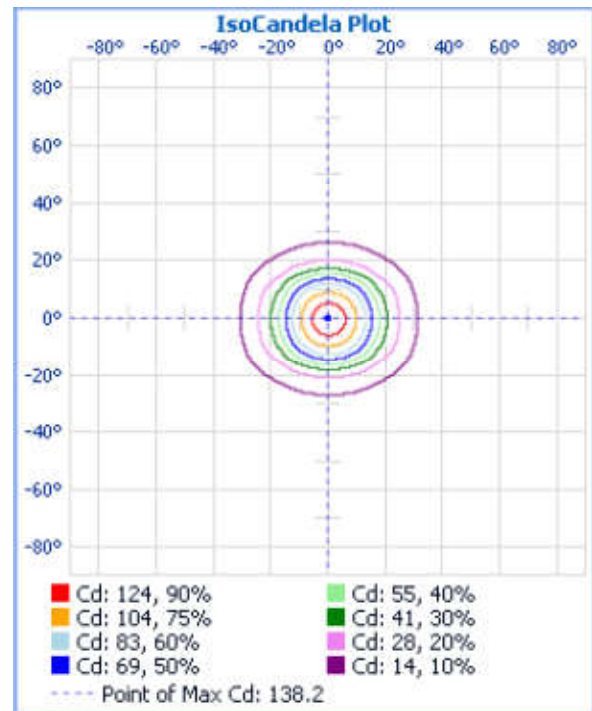
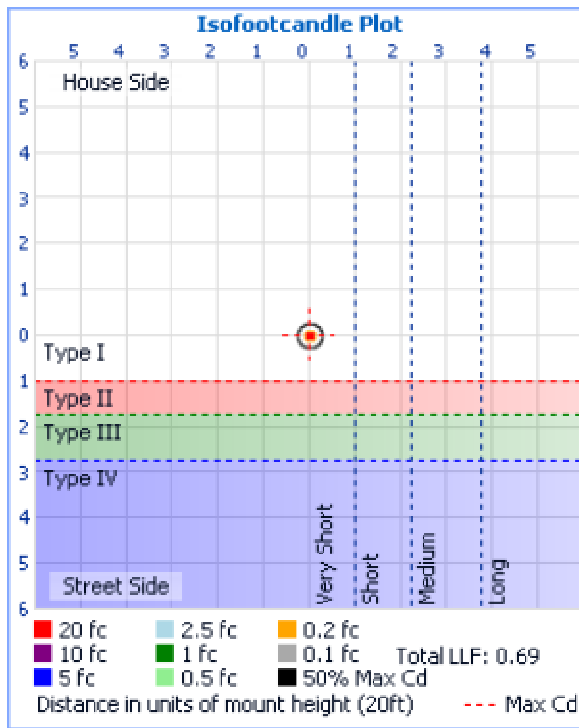


Roadway Summary		
Cutoff Classification:	NONCUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	0.1	
	Lumens % Lamp	
Downward Street Side:	22.2	25.2%
Downward House Side:	22.2	25.2%
Downward Total:	44.3	50.4%
Upward Street Side:	22.2	25.2%
Upward House Side:	22.2	25.2%
Upward Total:	44.3	50.4%
Total Lumens:	88.6	100.7%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	88.5%	77.8	52.9	n/a
Beam (50%):	45.1%	39.7	27.7	n/a
Total:	101.1%	88.9		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Luminaire
0-30	39.4	44.7%	44.5%
0-40	42.9	48.8%	48.5%
0-60	44.1	50.1%	49.8%
60-90	0.2	0.2%	0.2%
70-100	0.1	0.1%	0.1%
90-120	0.2	0.2%	0.2%
0-90	44.2	50.3%	50%
90-180	44.2	50.3%	50%
0-180	88.5	100.5%	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	11.3	12.8%	90-100	0.0	0%
10-20	18.1	20.4%	100-110	0.1	0.1%
20-30	10.0	11.3%	110-120	0.1	0.1%
30-40	3.6	4.0%	120-130	0.2	0.2%
40-50	0.9	1.0%	130-140	0.9	1%
50-60	0.2	0.2%	140-150	3.6	4%
60-70	0.1	0.1%	150-160	10.0	11.3%
70-80	0.1	0.1%	160-170	18.1	20.4%
80-90	0.0	0.0%	170-180	11.3	12.8%



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	0
RCR: 0	1.08	1.08	1.08	1.08	.99	.99	.99	.50	.84	.84	.84	.70	.70	.70	.70	.56	.56	.56	.56	.50	.50
1	1.01	.98	.95	.93	.93	.91	.88	.48	.78	.76	.75	.65	.64	.64	.64	.54	.54	.54	.53	.48	.48
2	.95	.90	.85	.81	.88	.84	.80	.46	.72	.70	.67	.62	.60	.59	.59	.52	.51	.50	.50	.46	.46
3	.89	.82	.77	.73	.83	.77	.73	.44	.67	.64	.62	.58	.56	.54	.54	.50	.49	.48	.48	.44	.44

4	.84	.76	.70	.66	.78	.72	.67	.42	.63	.60	.57	.55	.53	.51	.48	.46	.45	.42
5	.80	.71	.65	.60	.74	.67	.62	.41	.59	.56	.53	.53	.50	.48	.46	.44	.43	.40
6	.75	.66	.60	.56	.70	.63	.57	.39	.56	.52	.49	.50	.47	.45	.44	.42	.41	.39
7	.71	.62	.56	.52	.67	.59	.54	.38	.53	.49	.46	.48	.45	.43	.43	.41	.39	.37
8	.68	.58	.53	.48	.64	.56	.50	.36	.51	.47	.44	.46	.43	.41	.41	.39	.38	.36
9	.65	.55	.49	.46	.61	.53	.48	.35	.48	.44	.41	.44	.41	.39	.40	.38	.36	.34
10	.62	.52	.47	.43	.58	.50	.45	.34	.46	.42	.39	.42	.39	.37	.38	.36	.35	.33

Candela Table - Type C																	
	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
2.5	137	136	135	135	135	135	135	136	137	136	135	135	135	135	135	136	137
5	129	128	128	129	128	129	128	128	129	128	128	129	128	129	128	128	129
7.5	115	115	117	117	117	117	117	115	115	115	117	117	117	117	117	115	115
10	98	100	101	102	101	102	101	100	98	100	101	102	101	102	101	100	98
12.5	81	83	84	86	85	86	84	83	81	83	84	86	85	86	84	83	81
15	60	64	69	69	70	69	69	64	60	64	69	69	70	69	69	64	60
17.5	41	43	54	56	56	56	54	43	41	43	54	56	56	56	54	43	41
20	29	30	38	42	43	42	38	30	29	30	38	42	43	42	38	30	29
22.5	22	23	26	33	33	33	26	23	22	23	26	33	33	33	26	23	22
25	18	19	20	27	27	27	20	19	18	19	20	27	27	27	20	19	18
27.5	11	13	15	21	21	21	15	13	11	13	15	21	21	21	15	13	11
30	7	8	12	15	16	15	12	8	7	8	12	15	16	15	12	8	7
32.5	4	5	8	11	11	11	8	5	4	5	8	11	11	11	8	5	4
35	3	4	5	7	7	7	5	4	3	4	5	7	7	7	5	4	3
37.5	2	2	3	4	6	4	3	2	2	2	3	4	6	4	3	2	2
40	2	1	2	3	4	3	2	1	2	1	2	3	4	3	2	1	2
42.5	1	1	1	2	3	2	1	1	1	1	1	2	3	2	1	1	1
45	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1
47.5	1	0	1	1	1	1	1	0	1	0	1	1	1	1	1	0	1
50	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0
52.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
77.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

117.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1
132.5	1	1	1	0	1	0	1	1	1	1	1	0	1	0	1	1
135	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2
137.5	3	2	1	1	1	1	1	2	3	2	1	1	1	1	2	3
140	4	3	2	1	2	1	2	3	4	3	2	1	2	1	2	3
142.5	6	4	3	2	2	2	3	4	6	4	3	2	2	2	3	4
145	7	7	5	4	3	4	5	7	7	7	5	4	3	4	5	7
147.5	11	11	8	5	4	5	8	11	11	11	8	5	4	5	8	11
150	16	15	12	8	7	8	12	15	16	15	12	8	7	8	12	15
152.5	21	21	15	13	11	13	15	21	21	21	15	13	11	13	15	21
155	27	27	20	19	18	19	20	27	27	27	20	19	18	19	20	27
157.5	33	33	26	23	22	23	26	33	33	33	26	23	22	23	26	33
160	43	42	38	30	29	30	38	42	43	42	38	30	29	30	38	42
162.5	56	56	54	43	41	43	54	56	56	56	54	43	41	43	54	56
165	70	69	69	64	60	64	69	69	70	69	69	64	60	64	69	70
167.5	85	86	84	83	81	83	84	86	85	86	84	83	81	83	84	85
170	101	102	101	100	98	100	101	102	101	102	101	100	98	100	101	101
172.5	117	117	117	115	115	115	117	117	117	117	117	115	115	115	117	117
175	128	129	128	128	129	128	128	129	128	129	128	128	129	128	128	129
177.5	135	135	135	136	137	136	135	135	135	135	135	136	137	136	135	135
180	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138

Luminaire Report Summary

IESNA:LM-63-1995

[TEST] 21996

[MANUFAC]ECLIPSE LIGHTING - WALL MOUNT LUMINAIRE

[LUMCAT]CO-XL1-LED-4W UP/DOWN

[LUMINAIRE]WITH WHITE INTERIOR AND CLEAR FLAT PLASTIC LENS TOP AND BOTTOM

[LAMP]8 LEDS IN TWO 4 LED MODULES WITH BUILT IN DRIVERS. LUMEN RATING = 88 LMS.

[OTHER]OPERATING AT 120 VAC AND 11 WATTS

FILE: CANDELA MULTIPLIER: 1

FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 17

FILE: COORDINATE SYSTEM: TYPE C

FILE: UNIT OF MEASURE: STANDARD

FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.