

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P828999

Luminaire Tested: **OHB-15SE-W-UNV-L730-CD**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828999
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-285-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-15SE-W-UNV-L730-CD
Description: 15000 LUMEN OHB SE LED LUMINAIRE WITH 70CRI, 3000K LEDS AND WIDE LENS
Light Source: -
Ballast/Driver: -

Summary

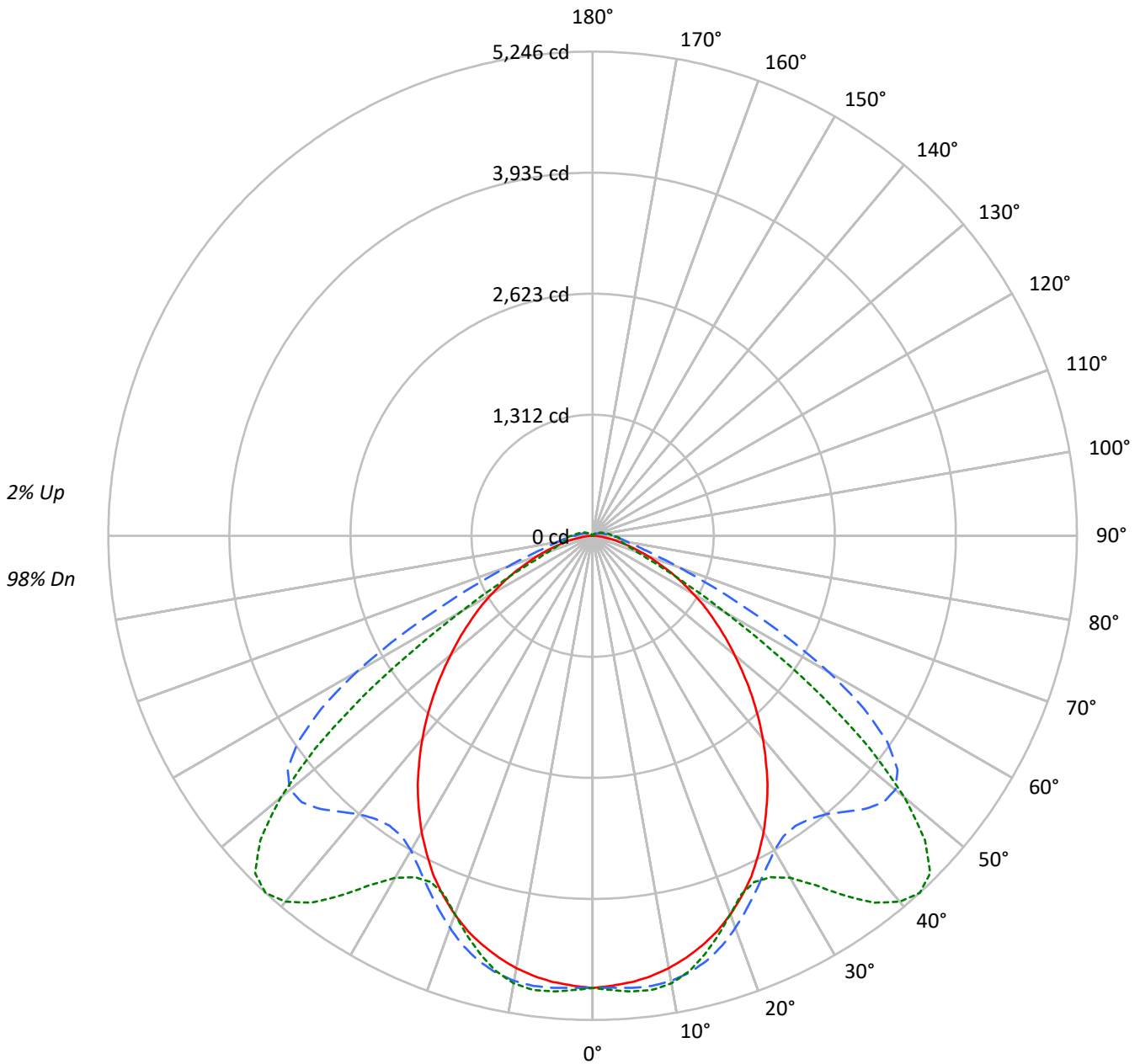
Lumens per Lamp: N/A
Luminaire Lumens: 14671.0 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 0.88' x L: 1.93' x H: 0.17')
CIE Type: Direct

Input Watts (W): 97.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100					98															
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85					83															
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72					70															
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61					59															
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52					50															
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45					43															
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40					38															
7	65	51	43	36	63	50	42	36	49	41	36	47	40	35	45	40	35					33															
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31					29															
9	56	43	34	29	55	42	34	29	41	34	28	39	33	28	38	32	28					26															
10	52	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25					24															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31177	31177	31177
5°	30774	30882	31135
10°	30276	30589	30782
15°	29574	29842	29417
20°	28657	28580	27613
25°	27470	27116	26693
30°	25933	25975	28312
35°	24200	26201	32617
40°	22215	28080	37066
45°	20151	31481	39081
50°	18011	34350	35571
55°	15996	33776	26477
60°	13952	28043	15679
65°	11807	18914	9119
70°	9413	11857	6235
75°	6960	8141	5346
80°	4762	6702	5324
85°	2916	6582	6631



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	468.2	3.2
10°-20°	1325.9	9.0
20°-30°	1940.2	13.2
30°-40°	2519.8	17.2
40°-50°	3077.0	21.0
50°-60°	2709.8	18.5
60°-70°	1412.1	9.6
70°-80°	605.5	4.1
80°-90°	290.8	2.0
90°-100°	136.6	0.9
100°-110°	84.9	0.6
110°-120°	50.2	0.3
120°-130°	27.3	0.2
130°-140°	13.7	0.1
140°-150°	6.6	0.0
150°-160°	2.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3734.4	25.5
0°-40°	6254.2	42.6
0°-60°	12040.9	82.1
0°-90°	14349.4	97.8
90°-120°	271.8	1.9
90°-150°	319.3	2.2
90°-180°	322.0	2.2
0°-180°	14671.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4900	4900	4900	4900	4900	
5°	4854	4891	4918	4961	4956	460
15°	4593	4722	4768	4732	4694	1293
25°	4070	4288	4215	4136	4140	1868
35°	3304	3652	3835	4473	4759	2059
45°	2432	3060	4183	5065	5170	1876
55°	1620	2681	3896	3416	3036	1454
65°	929	1857	1783	992	853	919
75°	374	869	573	392	372	408
85°	79	310	292	285	289	88
90°	1	112	192	220	225	6
95°	2	66	153	180	185	2
105°	4	37	99	120	122	4
115°	6	21	61	75	77	7
125°	7	11	36	46	48	6
135°	6	6	17	28	30	5
145°	8	6	7	14	16	5
155°	8	8	6	6	6	3
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	



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CATALOG NUMBER: OHB-15SE-W-UNV-L730-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4899.8	4899.8	4899.8	4899.8	4899.8
2.5°	4878.7	4899.8	4900.9	4930.5	4927.3
5°	4854.4	4891.4	4917.8	4961.2	4955.9
7.5°	4814.2	4872.4	4918.9	4966.4	4962.2
10°	4757.1	4836.4	4897.7	4936.8	4924.2
12.5°	4683.1	4787.8	4848.0	4856.5	4832.2
15°	4593.3	4722.2	4767.7	4731.8	4693.7
17.5°	4491.8	4643.0	4658.8	4580.6	4533.0
20°	4364.9	4537.2	4521.4	4413.6	4360.7
22.5°	4224.3	4421.0	4370.2	4257.1	4206.4
25°	4070.0	4287.8	4214.8	4135.5	4139.8
27.5°	3889.2	4136.6	4065.8	4101.7	4169.4
30°	3705.3	3978.0	3934.7	4144.0	4277.2
32.5°	3503.4	3815.2	3854.3	4267.7	4485.4
35°	3303.6	3652.4	3835.3	4472.8	4759.2
37.5°	3082.6	3487.5	3866.0	4709.6	5009.8
40°	2868.0	3326.8	3935.7	4922.0	5175.8
42.5°	2649.2	3183.0	4053.1	5047.8	5245.5
45°	2432.5	3060.4	4183.1	5064.8	5170.5
47.5°	2215.8	2956.8	4273.0	4930.5	4881.9
50°	2006.5	2864.9	4279.3	4608.1	4409.3
52.5°	1810.9	2780.3	4163.0	4094.3	3785.6
55°	1619.5	2680.9	3895.6	3415.6	3036.1
57.5°	1445.1	2543.5	3483.3	2686.2	2271.8
60°	1260.1	2357.4	2950.5	1965.2	1638.6
62.5°	1089.9	2125.9	2353.2	1367.9	1177.7
65°	929.2	1857.4	1783.4	991.6	853.1
67.5°	759.0	1579.4	1316.1	723.1	634.3
70°	625.8	1321.4	980.0	562.4	510.6
72.5°	489.5	1076.2	732.6	456.7	428.1
75°	374.2	869.0	573.0	392.2	372.1
77.5°	275.9	687.1	460.9	346.7	327.7
80°	193.5	541.3	385.9	309.7	302.3
82.5°	130.0	418.6	328.8	294.9	296.0
85°	79.3	309.7	291.8	285.4	288.6
87.5°	38.1	219.9	250.5	260.1	263.2
90°	1.1	112.1	192.4	219.9	225.2
92.5°	0.0	85.6	169.1	196.6	201.9
95°	2.1	65.5	153.3	179.7	185.0
97.5°	2.1	53.9	137.4	164.9	168.1
100°	3.2	46.5	122.6	149.1	152.2
102.5°	3.2	41.2	109.9	133.2	135.3
105°	4.2	37.0	99.4	119.5	121.6



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CATALOG NUMBER: OHB-15SE-W-UNV-L730-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.3	25.4	69.8	84.6	86.7
115°	6.3	21.1	61.3	75.1	77.2
117.5°	7.4	19.0	53.9	66.6	67.7
120°	7.4	15.9	46.5	59.2	60.3
122.5°	7.4	12.7	41.2	52.9	53.9
125°	7.4	10.6	35.9	46.5	47.6
127.5°	6.3	7.4	30.7	41.2	42.3
130°	6.3	6.3	25.4	35.9	38.1
132.5°	6.3	6.3	21.1	31.7	33.8
135°	6.3	6.3	16.9	28.5	29.6
137.5°	6.3	6.3	13.7	24.3	26.4
140°	6.3	6.3	10.6	21.1	22.2
142.5°	7.4	6.3	9.5	18.0	19.0
145°	8.5	6.3	7.4	13.7	15.9
147.5°	8.5	7.4	7.4	11.6	12.7
150°	8.5	8.5	6.3	8.5	10.6
152.5°	8.5	8.5	6.3	6.3	8.5
155°	8.5	8.5	6.3	6.3	6.3
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







107.5°	5.3	32.8	88.8	106.8	108.9
110°	5.3	28.5	78.2	95.1	97.3



(END OF REPORT)