

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: P826437

Luminaire Tested: **OHB-30SE-N-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826437
REPORT IS A COMBINATION OF REPORTS P826104 AND G3-2310-221-10
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHB-30SE-N-UNV-L830-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

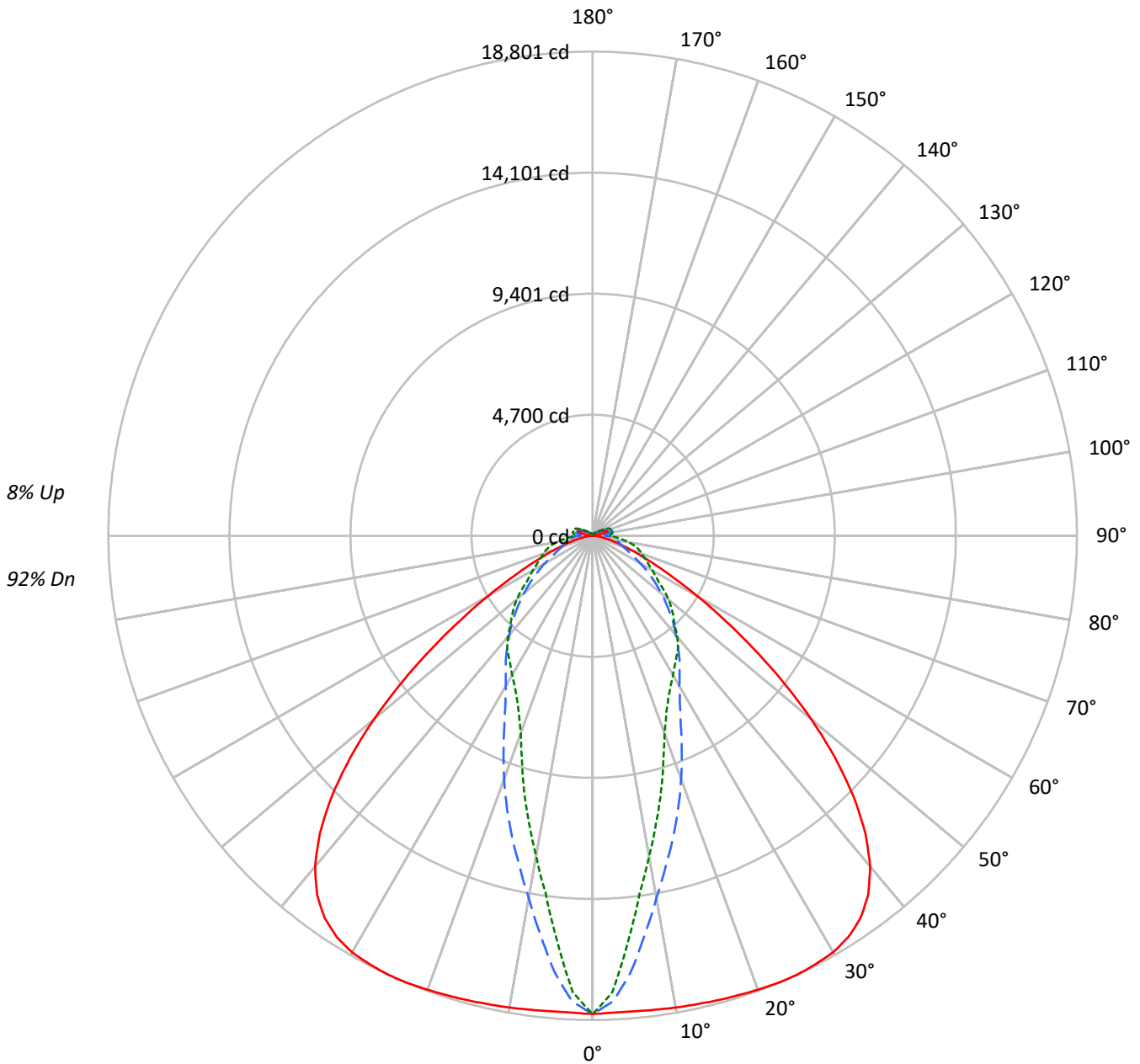
Lumens per Lamp: N/A
Luminaire Lumens: 28825.1 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 1.93' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 191.3
Input Voltage (V): NR
Input Current (A_{in}): 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	117	117	117	117	113	113	113	113	107	107	107	100	100	100	95	95	95	92																			
1	108	103	99	96	104	100	97	93	95	92	89	89	87	85	84	83	81	78																			
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	67																			
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	59																			
4	84	74	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	52																			
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	46																			
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	41																			
7	68	56	48	42	66	54	47	41	52	46	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	40	36	34																			
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	31																			
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	28																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	62042	62042	62042
5°	61616	56355	52594
10°	62008	47348	42223
15°	62906	40389	34698
20°	64341	34059	28099
25°	66209	28113	24653
30°	68103	24149	22934
35°	69085	21938	21883
40°	67430	19748	20795
45°	61544	17776	19289
50°	51447	15634	18143
55°	38662	13621	16187
60°	26725	11607	15546
65°	17659	9915	15282
70°	11769	9204	16121
75°	7875	9346	17364
80°	5099	10103	18111
85°	2623	12088	19483



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1563.4	5.4
10°-20°	3677.9	12.8
20°-30°	4610.2	16.0
30°-40°	4891.9	17.0
40°-50°	4423.1	15.3
50°-60°	3207.0	11.1
60°-70°	2012.5	7.0
70°-80°	1331.8	4.6
80°-90°	770.8	2.7
90°-100°	507.3	1.8
100°-110°	726.1	2.5
110°-120°	561.8	1.9
120°-130°	270.3	0.9
130°-140°	132.1	0.5
140°-150°	75.5	0.3
150°-160°	41.2	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	9851.5	34.2
0°-40°	14743.4	51.1
0°-60°	22373.5	77.6
0°-90°	26488.7	91.9
90°-120°	1795.2	6.2
90°-150°	2273.0	7.9
90°-180°	2336.0	8.1
0°-180°	28825.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18573	18573	18573	18573	18573	
5°	18536	18060	17000	16211	15803	###
15°	18677	15223	12091	10753	10265	5297
25°	18801	11771	8096	7186	6958	8686
35°	18127	7825	5876	5692	5690	11269
45°	14330	4956	4258	4361	4435	10917
55°	7587	3072	2779	3014	3122	6855
65°	2713	1782	1609	2061	2291	2823
75°	838	960	1080	1678	1778	934
85°	147	398	790	1100	1009	176
90°	3	187	485	680	690	11
95°	33	184	503	680	726	99
105°	603	658	788	739	720	572
115°	425	460	608	655	652	429
125°	218	236	314	338	336	204
135°	134	141	167	194	195	106
145°	106	110	115	131	129	67
155°	89	95	99	101	98	38
165°	59	59	60	60	60	17
175°	53	53	53	54	54	5
180°	53	53	53	53	53	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18572.7	18572.7	18572.7	18572.7	18572.7
2.5°	18533.8	18427.7	18097.2	17895.7	17726.0
5°	18535.6	18060.0	16999.5	16211.1	15802.8
7.5°	18562.1	17505.1	15594.2	14443.4	13994.4
10°	18602.7	16817.4	14282.6	13055.9	12636.9
12.5°	18632.8	16043.2	13128.3	11868.0	11408.4
15°	18677.0	15223.0	12090.7	10752.6	10264.8
17.5°	18717.7	14450.5	11065.5	9667.3	9124.6
20°	18758.2	13617.9	10040.2	8599.6	8152.4
22.5°	18797.1	12739.4	9039.8	7770.6	7464.7
25°	18800.7	11770.8	8095.8	7185.5	6957.5
27.5°	18754.7	10766.7	7330.5	6695.8	6554.5
30°	18675.2	9792.8	6736.5	6342.3	6241.6
32.5°	18477.2	8799.3	6276.9	6001.2	5942.8
35°	18127.2	7825.4	5875.6	5691.8	5690.1
37.5°	17575.7	6961.0	5440.8	5409.0	5447.8
40°	16760.8	6204.5	5029.0	5113.8	5113.8
42.5°	15673.7	5546.9	4655.9	4742.6	4719.6
45°	14330.3	4956.5	4258.2	4360.8	4435.0
47.5°	12773.0	4436.8	3851.7	4049.7	4152.2
50°	11079.6	3941.8	3480.5	3733.3	3849.9
52.5°	9304.9	3484.0	3118.1	3408.1	3501.7
55°	7586.7	3072.1	2778.7	3013.9	3121.6
57.5°	6031.2	2679.7	2446.4	2669.1	2891.9
60°	4693.1	2342.1	2133.6	2451.7	2674.4
62.5°	3584.8	2041.6	1840.1	2248.4	2471.2
65°	2713.3	1781.8	1608.6	2061.1	2290.8
67.5°	2045.2	1557.3	1428.2	1924.9	2149.5
70°	1536.1	1339.9	1283.3	1840.1	2041.6
72.5°	1134.8	1140.1	1168.4	1765.9	1919.6
75°	837.9	959.9	1080.0	1677.5	1778.3
77.5°	599.3	795.4	1000.5	1571.4	1606.8
80°	415.4	648.7	917.4	1431.8	1401.8
82.5°	259.8	519.7	843.2	1278.0	1194.9
85°	146.7	397.7	790.1	1099.5	1009.3
87.5°	65.4	296.9	691.1	857.3	800.7
90°	2.8	186.7	484.8	680.5	690.5
92.5°	12.8	164.0	465.3	650.0	676.9
95°	33.1	183.7	502.6	680.1	726.3
97.5°	163.3	276.6	568.1	727.8	765.8
100°	324.2	430.7	626.4	760.6	784.8
102.5°	516.7	572.5	680.0	749.8	758.4
105°	603.2	658.5	788.5	738.8	720.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	491.3	540.3	692.7	734.3	726.4
115°	425.2	460.5	607.5	655.0	651.9
117.5°	369.2	393.9	523.2	565.4	565.3
120°	311.6	336.5	443.5	478.8	477.8
122.5°	261.3	282.9	375.9	403.2	400.5
125°	217.6	235.8	313.9	338.5	335.8
127.5°	186.9	197.0	262.8	287.5	283.9
130°	164.6	172.8	220.8	246.5	246.5
132.5°	147.0	154.3	190.8	216.4	217.4
135°	134.0	141.3	167.0	193.6	194.6
137.5°	124.7	131.9	149.7	173.6	174.6
140°	115.4	121.7	135.1	157.3	158.2
142.5°	110.6	114.3	123.2	142.7	142.7
145°	105.9	109.5	114.9	130.9	129.2
147.5°	101.2	106.6	110.3	119.1	118.3
150°	96.6	103.8	104.7	110.9	109.2
152.5°	92.9	99.1	101.0	104.5	103.7
155°	89.1	95.4	99.0	100.8	98.2
157.5°	65.1	66.1	67.0	67.9	67.9
160°	62.3	63.3	64.2	64.2	65.1
162.5°	60.5	61.4	61.4	62.3	62.3
165°	58.6	58.6	59.6	59.6	59.6
167.5°	56.8	56.8	57.7	57.7	58.6
170°	54.9	55.8	55.8	55.8	56.8
172.5°	54.0	54.0	54.9	54.9	54.9
175°	53.0	53.0	53.0	54.0	54.0
177.5°	52.1	53.0	53.0	53.0	53.0
180°	53.0	53.0	53.0	53.0	53.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	603.2	662.5	814.9	768.8	713.3
110°	559.4	613.5	769.6	787.5	742.2



(END OF REPORT)