

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: P826575

Luminaire Tested: **OHBL-30SE-A-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826575
REPORT IS A COMBINATION OF REPORTS P826125 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: OHBL-30SE-A-UNV-L830-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

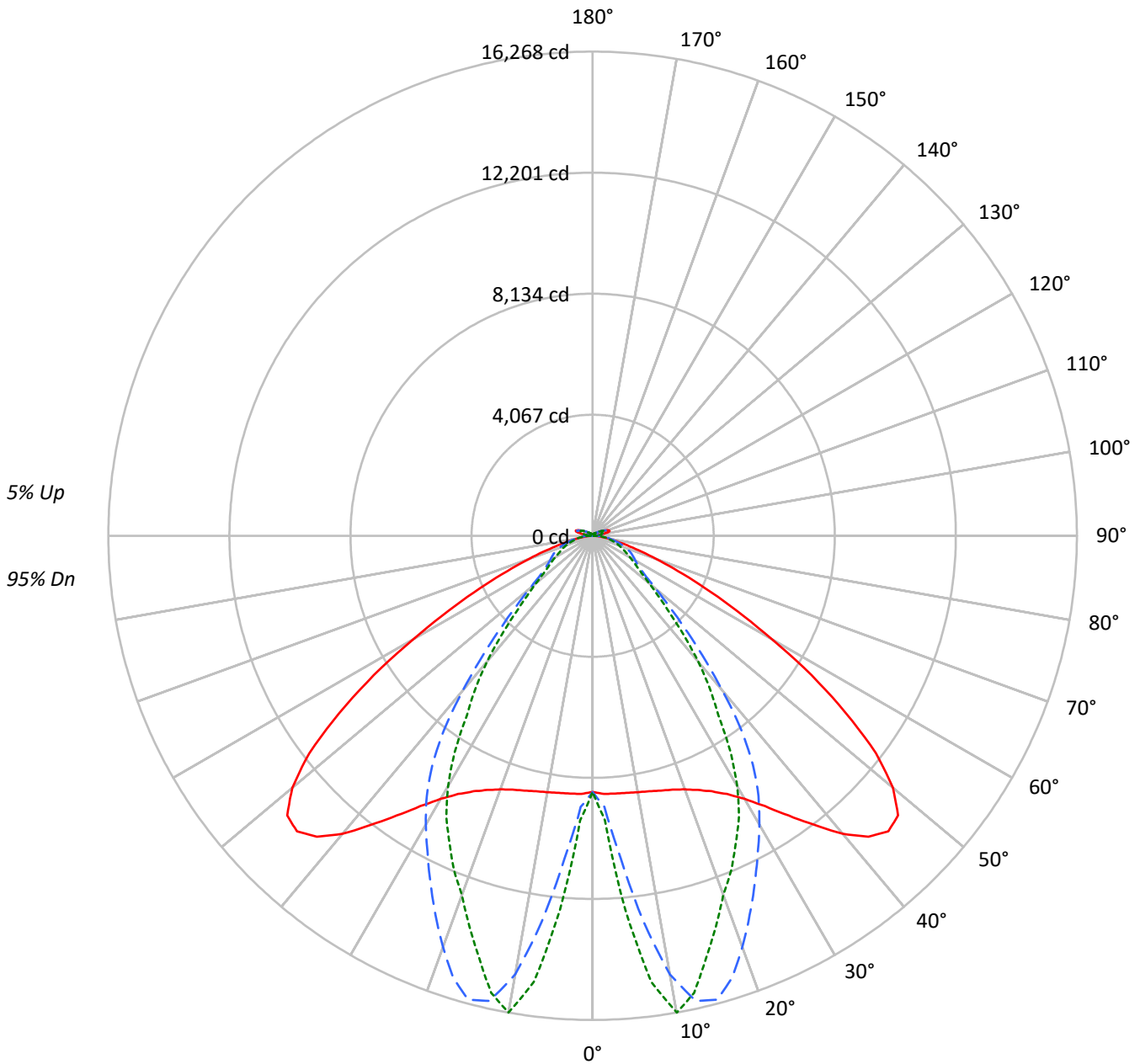
Lumens per Lamp: N/A
Luminaire Lumens: 29039.1 lumens
Efficiency: N/A
Efficacy: 157.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 184.3
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					20										
RC	80					70					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	50	30	10	50	30	10	0				
RCR																															
0	118	118	118	118	115	115	115	115	108	108	108	103	103	103	98	98	98	95													
1	109	105	102	99	106	103	100	97	98	95	93	93	91	89	89	87	86	83													
2	101	94	88	84	98	92	87	82	88	83	80	84	80	77	80	77	75	73													
3	94	85	78	72	91	83	76	71	79	74	69	76	71	68	73	69	66	64													
4	87	76	69	63	84	75	68	62	72	66	61	69	64	60	66	62	58	56													
5	81	69	61	55	78	68	61	55	65	59	54	63	57	53	61	56	52	50													
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	56	51	47	45													
7	70	58	50	44	68	57	49	44	55	48	43	53	47	43	51	46	42	40													
8	65	53	45	40	64	52	45	40	51	44	39	49	43	39	48	42	38	37													
9	61	49	42	37	60	48	41	36	47	40	36	46	40	36	44	39	35	33													
10	58	46	38	33	56	45	38	33	44	37	33	42	37	33	41	36	32	31													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14704	14704	14704
5°	14779	18493	21554
10°	14910	25496	27997
15°	15266	27775	25696
20°	15897	25771	22964
25°	17056	23177	21006
30°	19019	20869	18678
35°	22359	18266	14884
40°	26884	13910	11846
45°	30838	9477	8431
50°	31264	6501	6236
55°	27061	5116	5094
60°	20215	4787	4583
65°	13856	4802	4341
70°	8859	4632	4205
75°	5327	4287	4023
80°	3134	3767	4151
85°	1509	3235	3849



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1123.9	3.9
10°-20°	3966.7	13.7
20°-30°	5845.2	20.1
30°-40°	6142.4	21.2
40°-50°	4700.1	16.2
50°-60°	2838.1	9.8
60°-70°	1731.9	6.0
70°-80°	945.3	3.3
80°-90°	335.4	1.2
90°-100°	135.5	0.5
100°-110°	469.5	1.6
110°-120°	403.5	1.4
120°-130°	193.6	0.7
130°-140°	96.8	0.3
140°-150°	56.2	0.2
150°-160°	32.8	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	10935.8	37.7
0°-40°	17078.3	58.8
0°-60°	24616.4	84.8
0°-90°	27629.0	95.1
90°-120°	1008.5	3.5
90°-150°	1355.2	4.7
90°-180°	1410.0	4.9
0°-180°	29039.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8609	8609	8609	8609	8609	
5°	8695	9329	10882	12151	12620	831
15°	8865	13807	16136	15058	14704	2521
25°	9473	16024	12883	11663	11375	4427
35°	11474	12832	9385	7816	7359	7279
45°	14044	7322	4323	3804	3644	10611
55°	10386	2483	1968	1824	1818	9178
65°	4164	1572	1448	1239	1176	4266
75°	1109	978	897	740	710	1276
85°	165	303	357	326	295	204
90°	3	20	27	35	40	11
95°	26	67	100	132	154	93
105°	589	581	495	350	321	558
115°	406	406	409	408	399	410
125°	196	208	213	211	210	186
135°	116	120	123	125	126	92
145°	85	86	88	90	90	54
155°	68	69	71	71	72	32
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°	8608.8	8608.8	8608.8	8608.8	8608.8
2.5°	8679.3	8768.0	9117.1	9479.7	9567.9
5°	8695.2	9328.7	10882.5	12151.3	12620.1
7.5°	8713.6	10237.2	13069.7	14623.2	15120.4
10°	8748.7	11386.0	14965.0	16080.3	16268.2
12.5°	8792.3	12603.2	16007.9	15967.3	15730.3
15°	8864.7	13806.9	16136.4	15057.7	14703.7
17.5°	8940.7	14825.5	15576.0	14067.6	13759.4
20°	9064.4	15581.5	14704.5	13187.6	12837.2
22.5°	9242.6	15997.2	13790.4	12391.6	12163.1
25°	9472.7	16024.2	12882.6	11663.3	11375.3
27.5°	9780.9	15652.4	12012.4	10949.7	10645.5
30°	10200.3	14940.6	11204.0	10089.2	9711.8
32.5°	10769.9	13916.3	10370.5	9050.3	8627.3
35°	11474.2	12832.4	9385.2	7815.8	7358.8
37.5°	12242.9	11629.0	8189.4	6722.8	6456.7
40°	13069.7	10388.9	6772.2	5699.8	5509.4
42.5°	13715.1	9040.7	5455.8	4736.7	4534.0
45°	14043.9	7322.3	4323.3	3804.2	3644.3
47.5°	13915.9	5683.9	3427.3	3022.7	2974.7
50°	13168.3	4197.0	2743.6	2490.0	2470.1
52.5°	11999.6	3128.2	2266.3	2109.4	2075.0
55°	10385.9	2483.0	1968.0	1824.0	1818.5
57.5°	8720.0	2109.4	1786.4	1674.9	1636.1
60°	6942.8	1880.8	1648.7	1522.8	1444.1
62.5°	5442.2	1721.1	1547.5	1376.6	1303.2
65°	4163.8	1571.9	1447.9	1238.9	1175.8
67.5°	3103.9	1429.8	1326.0	1094.1	1057.3
70°	2261.4	1284.0	1187.2	973.1	944.0
72.5°	1611.7	1138.5	1048.5	859.4	827.3
75°	1108.6	977.5	896.7	739.8	709.9
77.5°	747.9	813.3	747.1	631.7	619.1
80°	499.4	645.0	604.3	535.3	527.5
82.5°	303.1	468.1	476.9	435.2	414.2
85°	165.0	303.1	357.3	325.6	295.4
87.5°	64.6	168.0	246.2	221.1	208.2
90°	2.8	20.5	27.0	35.4	40.0
92.5°	9.3	26.1	42.8	59.6	68.9
95°	26.1	67.0	99.6	132.1	153.5
97.5°	154.5	174.0	189.8	218.7	235.4
100°	313.6	338.7	278.2	292.2	298.7
102.5°	504.4	487.6	360.1	323.8	318.2
105°	589.0	580.7	495.1	349.9	321.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	473.7	480.2	471.8	455.0	438.3
115°	405.7	405.7	409.4	407.6	399.2
117.5°	348.0	346.2	349.9	348.0	346.2
120°	290.3	294.1	295.0	293.1	292.2
122.5°	240.1	247.5	252.2	249.4	248.5
125°	196.3	207.5	213.1	211.2	210.3
127.5°	167.5	174.0	181.5	181.5	179.6
130°	145.2	149.8	155.4	156.3	156.3
132.5°	129.3	133.1	137.7	138.7	139.6
135°	116.3	120.0	122.8	124.7	125.6
137.5°	107.0	108.9	112.6	113.5	114.5
140°	97.7	100.5	103.3	104.2	105.2
142.5°	91.2	93.1	94.9	96.8	96.8
145°	84.7	86.5	88.4	90.3	90.3
147.5°	80.0	81.9	83.8	83.8	84.7
150°	75.4	77.2	78.2	79.1	79.1
152.5°	71.7	72.6	74.4	74.4	75.4
155°	67.9	68.9	70.7	70.7	71.7
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°	589.0	590.0	546.2	420.6	352.7
110°	543.4	548.1	523.9	476.4	418.8



(END OF REPORT)