

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: P827992

Luminaire Tested: **OHBL-18HE-A-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827992
REPORT IS A COMBINATION OF REPORTS P826155 AND G3-2310-221-8
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-18HE-A-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

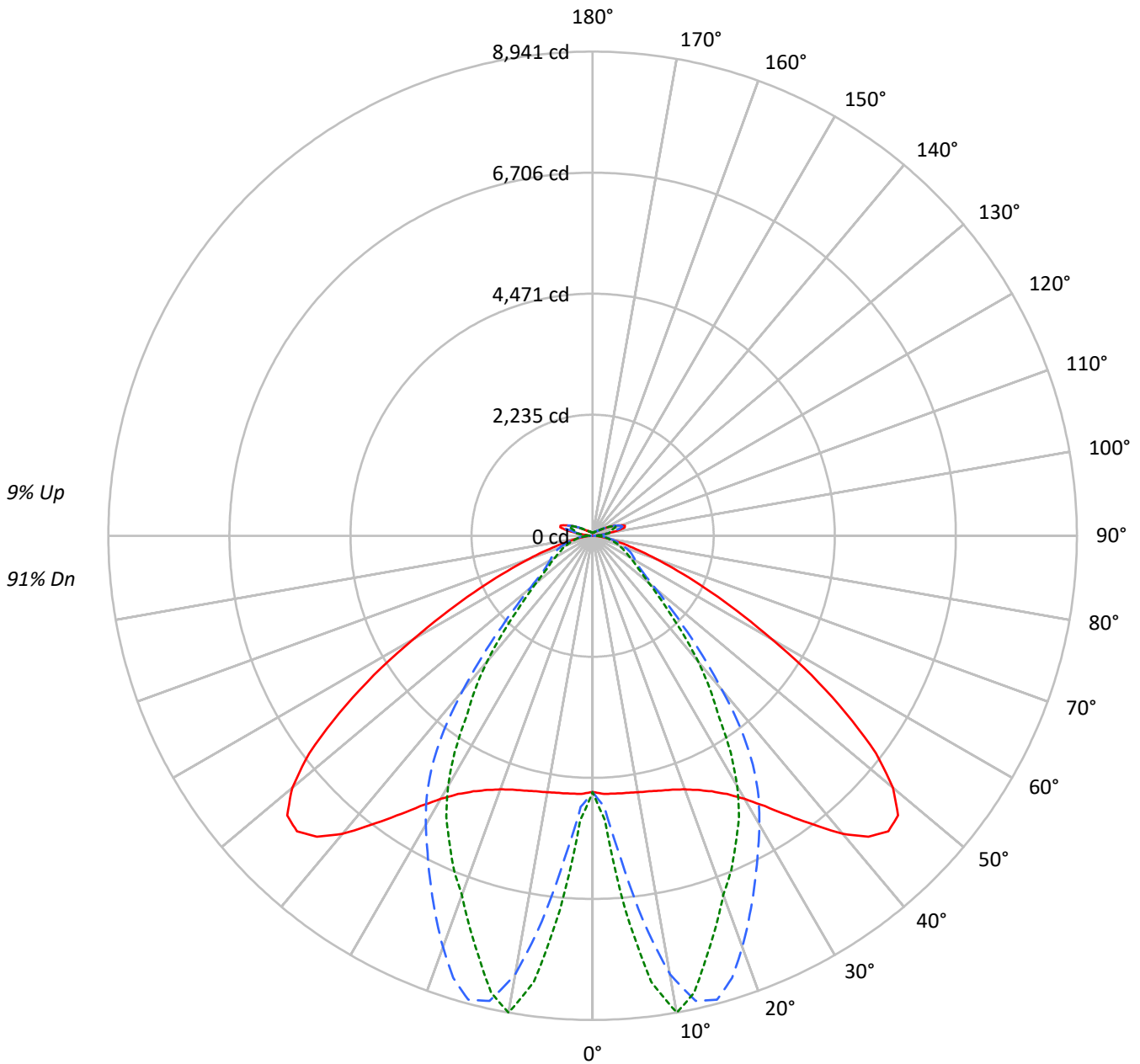
Lumens per Lamp: N/A
Luminaire Lumens: 16674.9 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 2.18 / 1.37 / 1.3
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.67' x H: 0.17')
CIE Type: Direct

Input Watts (W): 115.3
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									
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	106	106	106	100	100	100	94	94	94	91																			
1	108	104	101	98	105	101	98	95	96	93	91	90	88	86	85	84	82	80																			
2	100	93	88	83	97	91	85	81	86	82	78	81	78	75	77	74	72	70																			
3	93	84	77	71	90	81	75	70	77	72	68	74	69	65	70	66	63	61																			
4	86	75	68	62	83	74	67	61	70	64	59	67	62	58	64	60	56	54																			
5	80	68	60	55	77	67	59	54	64	57	53	61	56	51	58	54	50	48																			
6	74	62	54	49	72	61	53	48	58	52	47	56	50	46	54	49	45	43																			
7	69	57	49	44	67	56	48	43	54	47	42	51	46	41	49	44	41	39																			
8	65	52	45	39	63	51	44	39	49	43	38	47	42	38	46	41	37	35																			
9	61	48	41	36	59	47	40	36	46	39	35	44	38	34	43	37	34	32																			
10	57	45	38	33	55	44	37	32	42	36	32	41	35	31	40	35	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8081	8081	8081
5°	8123	10164	11847
10°	8195	14013	15387
15°	8390	15265	14123
20°	8737	14164	12622
25°	9374	12738	11545
30°	10453	11470	10266
35°	12289	10039	8181
40°	14776	7645	6510
45°	16949	5209	4634
50°	17183	3573	3427
55°	14873	2812	2800
60°	11110	2631	2519
65°	7615	2639	2386
70°	4869	2546	2311
75°	2928	2356	2211
80°	1723	2071	2281
85°	829	1778	2115



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.7	3.7
10°-20°	2180.2	13.1
20°-30°	3212.6	19.3
30°-40°	3376.0	20.2
40°-50°	2583.2	15.5
50°-60°	1559.9	9.4
60°-70°	951.9	5.7
70°-80°	519.6	3.1
80°-90°	186.1	1.1
90°-100°	142.7	0.9
100°-110°	495.5	3.0
110°-120°	425.7	2.6
120°-130°	204.5	1.2
130°-140°	102.1	0.6
140°-150°	59.3	0.4
150°-160°	34.6	0.2
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	6010.5	36.0
0°-40°	9386.5	56.3
0°-60°	13529.5	81.1
0°-90°	15187.1	91.1
90°-120°	1063.9	6.4
90°-150°	1429.8	8.6
90°-180°	1488.0	8.9
0°-180°	16674.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4732	4732	4732	4732	4732	
5°	4779	5127	5981	6678	6936	457
15°	4872	7588	8869	8276	8081	1385
25°	5206	8807	7080	6410	6252	2433
35°	6306	7053	5158	4296	4044	4001
45°	7719	4024	2376	2091	2003	5832
55°	5708	1365	1082	1002	1000	5044
65°	2288	864	796	681	646	2345
75°	609	537	493	407	390	701
85°	91	167	196	179	162	112
90°	3	21	28	38	42	7
95°	32	68	108	139	159	100
105°	618	612	522	368	339	586
115°	428	432	432	427	426	431
125°	208	218	224	223	222	196
135°	123	126	130	132	132	98
145°	90	92	94	95	95	57
155°	72	73	74	75	75	34
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



TEST NUMBER: P827992

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4731.5	4731.5	4731.5	4731.5	4731.5
2.5°	4770.3	4819.0	5010.9	5210.2	5258.7
5°	4779.0	5127.2	5981.2	6678.5	6936.2
7.5°	4789.2	5626.5	7183.3	8037.1	8310.4
10°	4808.4	6257.9	8225.0	8837.9	8941.2
12.5°	4832.4	6926.9	8798.2	8775.8	8645.6
15°	4872.2	7588.5	8868.8	8275.9	8081.3
17.5°	4913.9	8148.3	8560.8	7731.8	7562.3
20°	4981.9	8563.8	8081.8	7248.1	7055.5
22.5°	5079.9	8792.3	7579.4	6810.6	6685.0
25°	5206.3	8807.1	7080.5	6410.3	6252.1
27.5°	5375.8	8602.8	6602.2	6018.1	5850.9
30°	5606.2	8211.6	6157.9	5545.2	5337.8
32.5°	5919.3	7648.6	5699.8	4974.2	4741.7
35°	6306.4	7052.8	5158.2	4295.8	4044.5
37.5°	6728.8	6391.4	4501.1	3694.9	3548.7
40°	7183.3	5709.9	3722.2	3132.8	3028.0
42.5°	7538.0	4968.9	2998.6	2603.3	2492.0
45°	7718.8	4024.4	2376.1	2090.8	2003.0
47.5°	7648.3	3124.0	1883.7	1661.3	1634.9
50°	7237.5	2306.8	1507.9	1368.5	1357.6
52.5°	6595.2	1719.3	1245.6	1159.3	1140.5
55°	5708.2	1364.7	1081.7	1002.5	999.5
57.5°	4792.6	1159.3	981.8	920.5	899.2
60°	3815.8	1033.8	906.2	836.9	793.8
62.5°	2991.1	945.9	850.5	756.6	716.2
65°	2288.5	863.9	795.8	680.9	646.2
67.5°	1705.9	785.8	728.8	601.4	581.1
70°	1242.9	705.7	652.5	534.8	518.8
72.5°	885.8	625.8	576.2	472.3	454.7
75°	609.3	537.3	492.8	406.6	390.2
77.5°	411.1	447.0	410.7	347.2	340.2
80°	274.5	354.5	332.2	294.2	289.9
82.5°	166.6	257.2	262.2	239.3	227.7
85°	90.7	166.6	196.4	178.9	162.3
87.5°	35.5	92.3	135.3	121.5	114.4
90°	3.3	20.8	28.3	37.5	41.7
92.5°	10.8	27.5	45.8	63.3	70.0
95°	31.7	68.3	107.5	139.2	159.2
97.5°	162.5	177.5	198.3	235.0	248.3
100°	335.0	351.7	295.0	309.2	314.2
102.5°	524.2	523.3	378.3	341.7	336.7
105°	617.5	611.7	521.7	367.5	339.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	501.7	505.0	495.0	481.7	460.8
115°	427.5	432.5	431.7	426.7	425.8
117.5°	364.2	366.7	368.3	366.7	367.5
120°	304.2	310.0	313.3	310.8	309.2
122.5°	254.2	261.7	265.8	263.3	261.7
125°	208.3	218.3	224.2	223.3	221.7
127.5°	176.7	184.2	191.7	190.8	189.2
130°	153.3	159.2	164.2	165.0	165.8
132.5°	137.5	140.0	145.0	145.8	147.5
135°	123.3	125.8	130.0	131.7	132.5
137.5°	112.5	115.0	118.3	120.0	120.8
140°	103.3	105.8	108.3	110.0	110.8
142.5°	95.8	98.3	100.8	101.7	102.5
145°	90.0	91.7	94.2	95.0	95.0
147.5°	84.2	85.8	87.5	89.2	89.2
150°	79.2	80.8	82.5	83.3	84.2
152.5°	75.8	76.7	78.3	79.2	79.2
155°	71.7	73.3	74.2	75.0	75.0
157.5°	69.2	70.0	70.8	71.7	71.7
160°	66.7	66.7	67.5	68.3	68.3
162.5°	64.2	64.2	65.0	65.8	65.8
165°	61.7	62.5	62.5	63.3	63.3
167.5°	60.0	60.0	60.8	60.8	61.7
170°	58.3	58.3	59.2	59.2	59.2
172.5°	56.7	57.5	57.5	57.5	57.5
175°	55.8	55.8	56.7	56.7	56.7
177.5°	55.0	55.8	55.8	55.8	55.8
180°	55.8	55.8	55.8	55.8	55.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	623.3	623.3	575.0	446.7	374.2
110°	570.8	577.5	552.5	502.5	445.0



(END OF REPORT)