

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: P826567

Luminaire Tested: **OHBL-30HE-MFL-UNV-L830-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P826567
REPORT IS A COMBINATION OF REPORTS P826121 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-30HE-MFL-UNV-L830-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

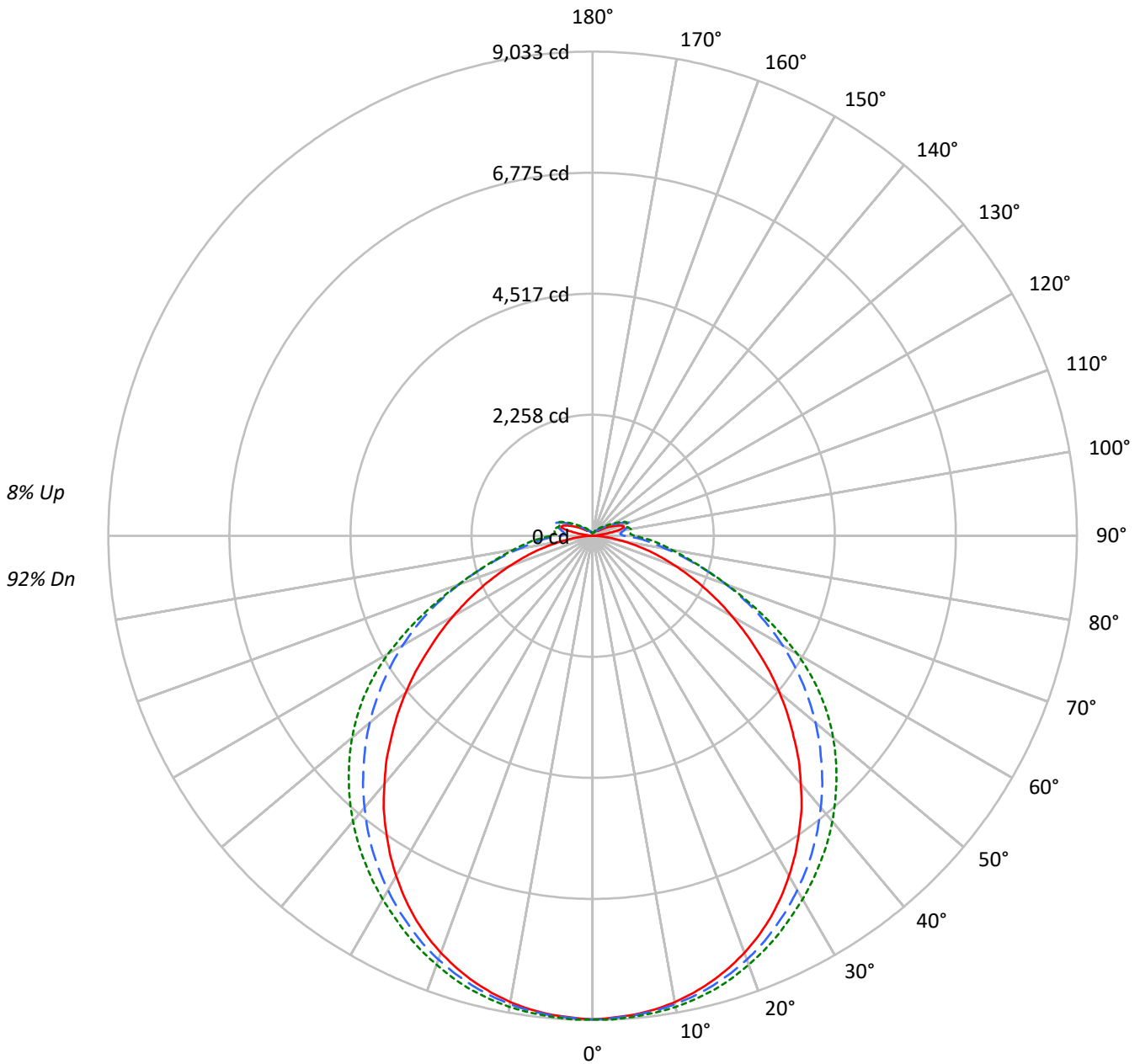
Lumens per Lamp: N/A
Luminaire Lumens: 28420.3 lumens
Efficiency: N/A
Efficacy: 163.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.29 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 174.1
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	106	101	97	93	103	98	94	91	93	89	86	87	85	82	82	80	78	76																			
2	97	88	81	75	93	86	79	74	81	75	71	76	72	68	72	69	65	63																			
3	88	77	69	63	85	75	68	61	71	65	59	67	62	57	64	59	55	53																			
4	80	68	60	53	78	67	58	52	63	56	50	60	54	49	57	52	47	45																			
5	74	61	52	45	71	59	51	45	56	49	44	54	47	42	51	46	41	39																			
6	68	55	46	40	66	54	45	39	51	44	38	49	42	37	46	41	36	34																			
7	63	50	41	35	61	49	40	35	46	39	34	44	38	33	42	36	32	30																			
8	59	45	37	31	57	44	36	31	42	35	30	40	34	29	39	33	29	27																			
9	55	42	33	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24																			
10	52	38	30	25	50	38	30	25	36	29	25	35	28	24	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14271	14271	14271
5°	14120	14136	14239
10°	13961	14011	14224
15°	13746	13862	14187
20°	13480	13680	14106
25°	13144	13452	14024
30°	12702	13205	13946
35°	12180	12943	13893
40°	11566	12639	13849
45°	10854	12309	13781
50°	10080	11976	13690
55°	9148	11568	13479
60°	8193	11087	12947
65°	7157	10473	11990
70°	6040	9691	10967
75°	4904	8786	10429
80°	3521	8133	10925
85°	1986	8453	13697



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	855.0	3.0
10°-20°	2453.0	8.6
20°-30°	3709.8	13.1
30°-40°	4453.6	15.7
40°-50°	4599.8	16.2
50°-60°	4138.4	14.6
60°-70°	3117.4	11.0
70°-80°	1882.4	6.6
80°-90°	924.2	3.3
90°-100°	523.1	1.8
100°-110°	690.8	2.4
110°-120°	533.3	1.9
120°-130°	267.1	0.9
130°-140°	135.5	0.5
140°-150°	75.0	0.3
150°-160°	39.8	0.1
160°-170°	17.0	0.1
170°-180°	5.2	0.0
0°-30°	7017.8	24.7
0°-40°	11471.4	40.4
0°-60°	20209.7	71.1
0°-90°	26133.7	92.0
90°-120°	1747.1	6.1
90°-150°	2224.7	7.8
90°-180°	2287.0	8.0
0°-180°	28420.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9024	9024	9024	9024	9024	
5°	8966	8991	8980	9015	9004	852
15°	8604	8646	8686	8759	8768	2426
25°	7858	7944	8056	8182	8202	3614
35°	6718	6875	7158	7374	7418	4200
45°	5302	5570	6036	6365	6433	4094
55°	3757	4145	4775	5135	5196	3368
65°	2292	2761	3379	3547	3507	2278
75°	1080	1550	1957	2008	1988	1152
85°	225	594	980	1115	1135	260
90°	3	252	588	742	775	16
95°	37	224	519	667	708	102
105°	604	671	738	668	652	573
115°	423	456	560	609	609	428
125°	214	232	304	342	347	201
135°	132	140	169	204	214	104
145°	107	106	110	130	137	67
155°	90	93	93	91	94	39
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°	9023.8	9023.8	9023.8	9023.8	9023.8
2.5°	8997.3	9019.3	9006.1	9034.8	9032.6
5°	8966.4	8990.7	8979.6	9014.9	9003.9
7.5°	8913.3	8939.8	8937.6	8977.3	8973.0
10°	8836.0	8864.8	8873.6	8926.5	8926.5
12.5°	8730.0	8767.6	8789.7	8853.7	8855.9
15°	8604.2	8646.1	8685.9	8758.8	8767.6
17.5°	8451.8	8504.8	8560.0	8643.9	8654.9
20°	8279.5	8339.2	8414.3	8502.6	8515.8
22.5°	8080.8	8151.4	8248.6	8352.4	8367.8
25°	7857.7	7943.8	8056.5	8182.4	8202.2
27.5°	7603.8	7703.1	7855.5	7996.8	8014.5
30°	7327.7	7444.7	7634.6	7802.5	7831.2
32.5°	7036.1	7170.9	7405.0	7592.7	7632.4
35°	6718.1	6874.9	7157.6	7374.0	7418.2
37.5°	6404.5	6576.8	6897.0	7144.3	7197.4
40°	6037.9	6252.1	6618.8	6892.6	6956.6
42.5°	5693.4	5925.3	6340.5	6638.6	6700.5
45°	5302.5	5569.7	6035.7	6364.8	6433.2
47.5°	4935.9	5225.3	5742.0	6082.1	6152.7
50°	4549.4	4867.5	5428.4	5784.0	5856.8
52.5°	4162.9	4505.3	5103.7	5472.6	5541.0
55°	3756.6	4145.3	4774.7	5134.6	5196.5
57.5°	3378.9	3789.7	4436.8	4779.1	4816.6
60°	3005.7	3432.0	4092.3	4392.6	4405.9
62.5°	2641.3	3089.6	3738.9	3977.5	3959.8
65°	2292.4	2760.6	3378.9	3546.8	3507.0
67.5°	1956.7	2440.4	3010.2	3118.4	3065.3
70°	1638.7	2128.9	2652.4	2707.5	2659.0
72.5°	1358.2	1833.0	2290.2	2336.5	2301.2
75°	1079.9	1550.3	1956.7	2007.5	1987.6
77.5°	819.4	1276.4	1649.7	1715.9	1720.4
80°	589.7	1027.0	1382.5	1486.3	1499.5
82.5°	388.7	797.2	1159.5	1292.0	1311.8
85°	225.3	594.1	980.5	1115.3	1135.2
87.5°	97.2	428.4	788.5	909.9	934.2
90°	2.8	252.4	587.9	742.0	775.4
92.5°	15.9	218.2	524.3	673.5	707.1
95°	37.1	223.8	519.2	666.6	707.9
97.5°	167.7	306.5	554.2	684.7	721.3
100°	326.8	453.6	594.1	700.8	724.9
102.5°	517.6	589.2	636.2	681.6	691.5
105°	604.5	671.2	738.0	668.0	652.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	491.3	539.8	639.7	680.3	672.4
115°	423.4	456.5	559.6	608.6	609.0
117.5°	367.9	390.4	482.4	529.1	533.9
120°	310.2	331.6	412.0	454.3	462.2
122.5°	260.0	278.4	355.9	395.1	400.9
125°	214.0	231.8	303.6	341.5	347.2
127.5°	182.9	193.9	258.8	298.5	303.3
130°	160.6	167.5	221.7	260.1	266.8
132.5°	144.8	153.0	192.9	229.2	239.0
135°	131.8	140.0	169.2	204.2	213.9
137.5°	122.5	128.8	150.1	182.0	191.8
140°	115.4	120.4	134.2	161.6	171.4
142.5°	111.1	113.0	119.2	145.4	152.0
145°	106.7	106.5	110.5	130.0	136.6
147.5°	102.1	103.9	105.8	114.6	122.2
150°	97.4	101.5	100.2	103.4	110.0
152.5°	93.7	96.9	96.5	94.4	99.7
155°	90.0	93.1	92.8	90.6	93.7
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°	604.5	669.4	760.4	703.3	646.4
110°	558.9	618.7	713.8	728.3	681.5



(END OF REPORT)