

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: P828097

Luminaire Tested: **OHBL-36HE-W-UNV-L935-CD-UPL18**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828097
REPORT IS A COMBINATION OF REPORTS P826172 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-36HE-W-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

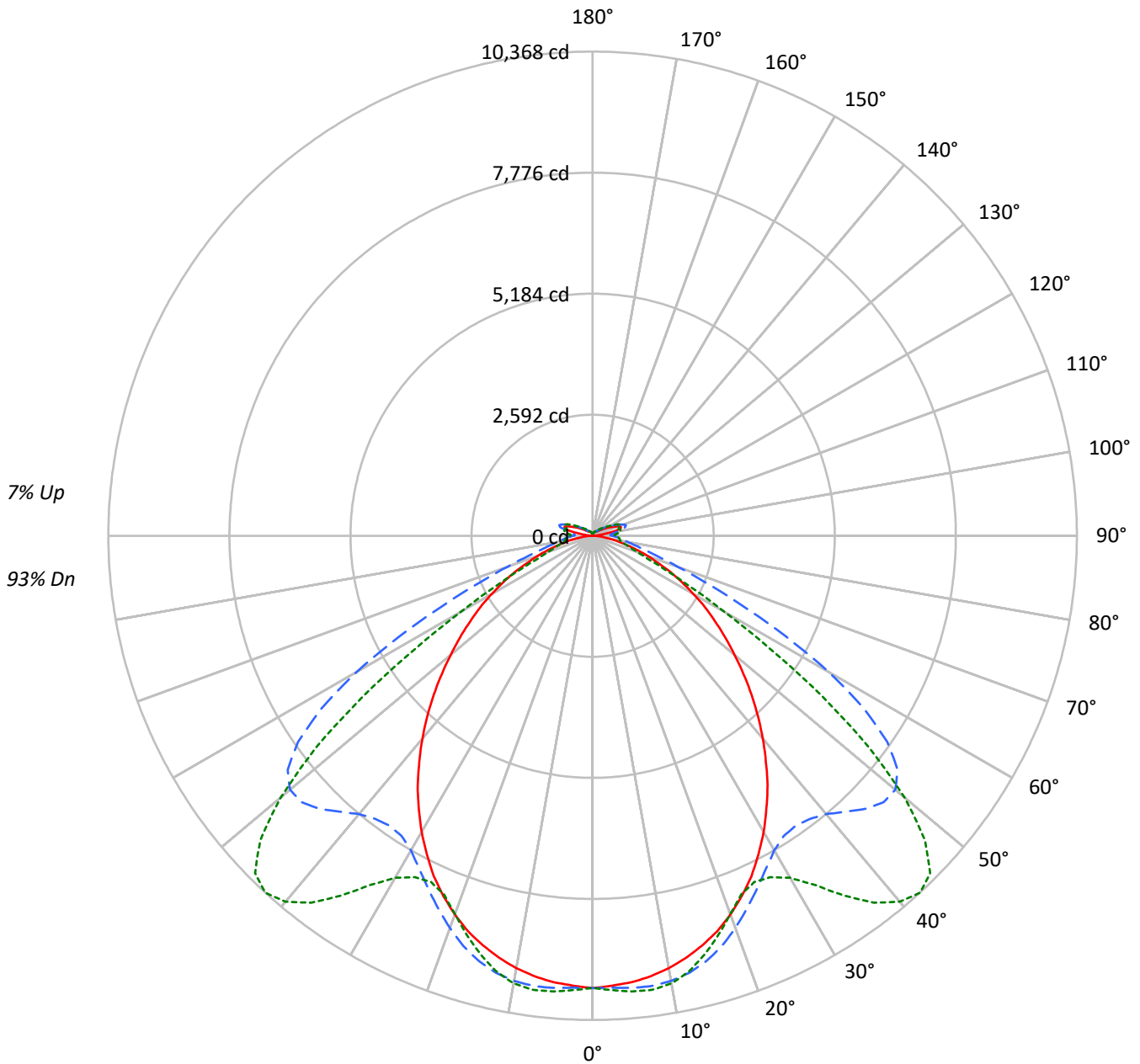
Lumens per Lamp: N/A
Luminaire Lumens: 30489.1 lumens
Efficiency: N/A
Efficacy: 135.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.58 / 1.62
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 224.3
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				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	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	85	83	81	81	81	81	79
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	69	69	69	66
3	90	79	71	65	86	77	70	64	73	67	62	70	64	60	66	62	58	58	58	58	56
4	82	70	62	55	79	68	60	54	65	58	53	62	56	51	59	54	50	50	50	50	48
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	43	43	43	41
6	69	56	47	41	67	55	47	41	52	45	40	50	44	39	48	42	38	38	38	38	36
7	64	51	42	36	62	50	41	36	47	40	35	45	39	34	43	38	33	33	33	33	31
8	59	46	38	32	58	45	37	32	43	36	31	41	35	30	40	34	30	30	30	30	28
9	55	42	34	28	54	41	34	28	40	33	28	38	32	27	37	31	27	27	27	27	25
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15316	15316	15316
5°	15109	15302	15491
10°	14857	15285	15509
15°	14504	15039	15012
20°	14046	14529	14276
25°	13456	13910	13990
30°	12695	13451	15055
35°	11839	13708	17617
40°	10859	14855	20366
45°	9841	16862	21891
50°	8787	18660	20372
55°	7795	18655	15566
60°	6789	15800	9517
65°	5734	10926	5765
70°	4560	7077	4162
75°	3359	5085	3859
80°	2283	4487	4354
85°	1382	4972	6882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	925.5	3.0
10°-20°	2620.7	8.6
20°-30°	3834.9	12.6
30°-40°	4980.4	16.3
40°-50°	6081.7	19.9
50°-60°	5355.9	17.6
60°-70°	2791.0	9.2
70°-80°	1196.9	3.9
80°-90°	578.5	1.9
90°-100°	412.7	1.4
100°-110°	663.4	2.2
110°-120°	525.0	1.7
120°-130°	258.4	0.8
130°-140°	129.2	0.4
140°-150°	72.3	0.2
150°-160°	39.2	0.1
160°-170°	17.9	0.1
170°-180°	5.5	0.0
0°-30°	7381.1	24.2
0°-40°	12361.5	40.5
0°-60°	23799.1	78.1
0°-90°	28365.5	93.0
90°-120°	1601.1	5.3
90°-150°	2061.0	6.8
90°-180°	2124.0	7.0
0°-180°	30489.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9685	9685	9685	9685	9685	
5°	9595	9668	9720	9806	9795	910
15°	9079	9334	9423	9352	9277	2556
25°	8044	8475	8331	8174	8182	3692
35°	6530	7219	7581	8840	9407	4070
45°	4808	6049	8268	10011	10220	3707
55°	3201	5299	7700	6751	6001	2873
65°	1837	3671	3525	1960	1686	1817
75°	740	1718	1132	775	736	807
85°	157	612	577	564	570	175
90°	5	242	409	472	487	13
95°	36	198	410	494	525	103
105°	626	685	718	604	579	595
115°	440	474	553	575	578	444
125°	223	239	295	315	316	208
135°	136	138	163	188	191	107
145°	107	104	109	122	126	67
155°	88	90	87	88	88	39
165°	62	62	62	63	63	18
175°	56	56	57	57	57	5
180°	56	56	56	56	56	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9684.7	9684.7	9684.7	9684.7	9684.7
2.5°	9642.8	9684.7	9686.8	9745.2	9739.0
5°	9594.8	9667.9	9720.2	9805.8	9795.4
7.5°	9515.4	9630.3	9722.3	9816.2	9807.9
10°	9402.6	9559.2	9680.4	9757.8	9732.7
12.5°	9256.3	9463.2	9582.3	9599.0	9550.9
15°	9078.7	9333.6	9423.4	9352.4	9277.2
17.5°	8878.1	9176.9	9208.2	9053.6	8959.6
20°	8627.3	8967.9	8936.6	8723.5	8619.0
22.5°	8349.5	8738.1	8637.8	8414.2	8313.9
25°	8044.4	8474.8	8330.7	8173.9	8182.3
27.5°	7687.1	8176.1	8036.1	8107.1	8240.8
30°	7323.6	7862.7	7777.0	8190.7	8453.9
32.5°	6924.5	7540.8	7618.2	8435.2	8865.6
35°	6529.6	7219.1	7580.6	8840.5	9406.8
37.5°	6092.8	6893.1	7641.2	9308.5	9901.9
40°	5668.7	6575.5	7779.1	9728.5	10230.0
42.5°	5236.2	6291.3	8011.0	9977.2	10367.9
45°	4807.8	6049.0	8268.0	10010.6	10219.5
47.5°	4379.5	5844.3	8445.6	9745.2	9649.1
50°	3965.8	5662.4	8458.1	9107.9	8715.2
52.5°	3579.3	5495.2	8228.2	8092.5	7482.3
55°	3201.1	5298.8	7699.7	6751.0	6000.9
57.5°	2856.2	5027.2	6884.8	5309.3	4490.2
60°	2490.7	4659.5	5831.7	3884.3	3238.7
62.5°	2154.2	4201.9	4651.2	2703.8	2327.7
65°	1836.7	3671.2	3524.9	1959.9	1686.2
67.5°	1500.2	3121.7	2601.3	1429.2	1253.7
70°	1237.0	2611.8	1936.9	1111.6	1009.2
72.5°	967.4	2127.1	1448.0	902.7	846.2
75°	739.7	1717.5	1132.5	775.2	735.5
77.5°	545.3	1358.2	911.0	685.3	647.8
80°	382.3	1069.8	762.7	612.3	597.6
82.5°	257.0	827.4	649.8	583.0	585.1
85°	156.8	612.3	576.7	564.2	570.4
87.5°	75.2	434.6	495.2	514.0	520.2
90°	5.4	242.3	408.6	472.1	486.8
92.5°	10.8	196.8	380.2	452.0	469.1
95°	35.8	197.9	410.5	494.3	524.8
97.5°	166.7	284.1	470.0	560.9	580.6
100°	341.2	443.6	537.4	603.8	615.1
102.5°	530.4	604.8	595.7	604.9	604.1
105°	625.8	684.8	718.1	603.6	579.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	514.2	555.2	632.9	648.8	632.2
115°	440.0	474.3	552.8	575.0	578.3
117.5°	378.8	404.3	474.9	498.3	501.2
120°	318.8	341.3	405.2	427.8	428.2
122.5°	268.8	286.8	347.3	367.8	368.2
125°	223.0	239.3	295.2	315.2	315.7
127.5°	189.2	198.8	252.2	272.3	272.8
130°	165.8	171.7	214.3	236.0	241.1
132.5°	150.0	152.5	186.8	208.5	214.3
135°	135.8	138.3	163.4	188.1	191.0
137.5°	125.0	127.5	145.5	168.1	173.1
140°	115.8	118.3	129.2	151.8	154.8
142.5°	110.5	110.8	119.7	137.2	140.1
145°	106.8	104.2	108.8	122.2	126.3
147.5°	100.9	100.5	102.2	112.2	114.2
150°	95.9	97.6	95.0	100.1	105.1
152.5°	92.6	93.4	90.8	91.7	95.9
155°	88.4	90.1	86.7	87.5	87.5
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°	633.8	688.1	750.5	657.7	589.4
110°	581.2	633.9	707.1	690.6	637.3



(END OF REPORT)