

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: P828089

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

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828089
REPORT IS A COMBINATION OF REPORTS P826168 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-MCL-UNV-L935-CD-UPL18
Description:
Light Source: -
Ballast/Driver: -

Summary

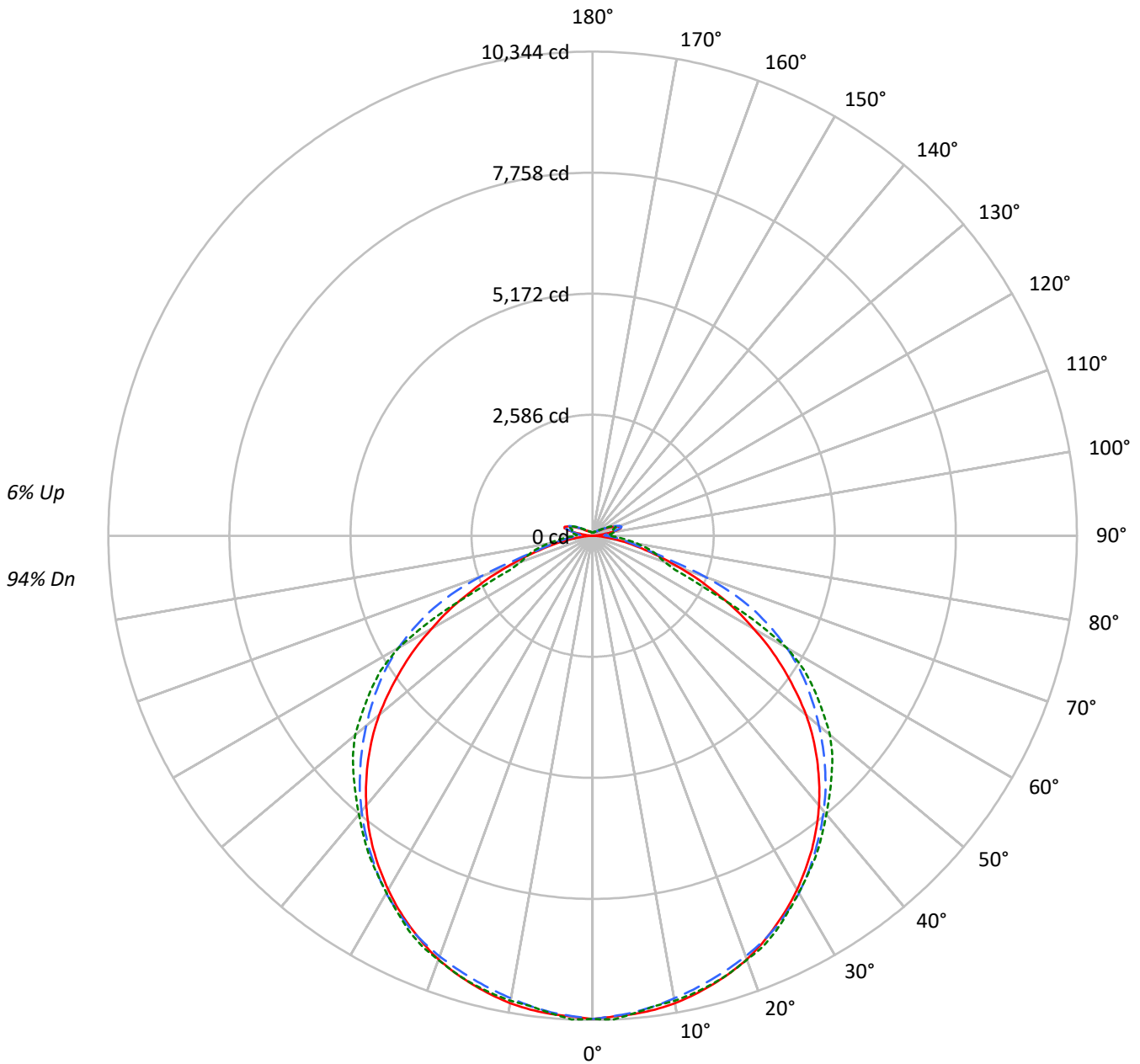
Lumens per Lamp: N/A
Luminaire Lumens: 30668.3 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

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									
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94																			
1	108	103	99	95	104	100	97	93	95	92	89	90	88	85	86	84	82	79																			
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	75	72	69	67																			
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	62	59	56																			
4	82	70	62	55	79	69	61	54	65	59	53	62	56	52	60	55	50	48																			
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	48	44	42																			
6	70	56	48	41	67	55	47	41	53	46	40	51	44	39	49	43	39	36																			
7	64	51	43	36	62	50	42	36	48	41	35	46	40	35	44	39	34	32																			
8	60	47	38	32	58	46	38	32	44	37	32	42	36	31	41	35	31	29																			
9	56	43	35	29	54	42	34	29	40	33	28	39	33	28	37	32	28	26																			
10	52	39	32	26	51	39	31	26	37	30	26	36	30	25	35	29	25	23																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16325	16325	16325
5°	16150	16088	16190
10°	16023	15844	16078
15°	15853	15662	16040
20°	15681	15547	15969
25°	15420	15432	15902
30°	15138	15250	15680
35°	14813	14960	15598
40°	14411	14661	15464
45°	13880	14316	15469
50°	13189	13923	15470
55°	12151	13536	15037
60°	10826	12969	14070
65°	9143	11918	9058
70°	7207	9303	6710
75°	5232	5523	7033
80°	3450	4592	7090
85°	1750	4208	7455



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	973.3	3.2
10°-20°	2791.1	9.1
20°-30°	4262.8	13.9
30°-40°	5172.3	16.9
40°-50°	5421.1	17.7
50°-60°	4912.3	16.0
60°-70°	3293.5	10.7
70°-80°	1478.9	4.8
80°-90°	540.4	1.8
90°-100°	304.2	1.0
100°-110°	571.8	1.9
110°-120°	463.9	1.5
120°-130°	225.5	0.7
130°-140°	116.6	0.4
140°-150°	69.0	0.2
150°-160°	41.9	0.1
160°-170°	22.6	0.1
170°-180°	6.9	0.0
0°-30°	8027.3	26.2
0°-40°	13199.6	43.0
0°-60°	23532.9	76.7
0°-90°	28845.8	94.1
90°-120°	1339.9	4.4
90°-150°	1751.1	5.7
90°-180°	1823.0	5.9
0°-180°	30668.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10323	10323	10323	10323	10323	
5°	10256	10291	10220	10251	10238	975
15°	9923	9884	9814	9900	9912	2802
25°	9218	9178	9242	9327	9300	4249
35°	8170	8190	8273	8362	8329	5107
45°	6781	6891	7020	7199	7221	5224
55°	4990	5230	5587	5811	5797	4454
65°	2928	3387	3845	3245	2649	2918
75°	1152	1672	1230	1258	1340	1259
85°	198	381	488	590	618	242
90°	5	148	281	354	373	14
95°	33	147	281	350	376	102
105°	624	646	607	470	447	593
115°	439	450	475	482	484	442
125°	219	230	251	255	254	206
135°	137	141	146	156	158	108
145°	103	107	109	111	113	66
155°	87	90	91	91	90	41
165°	78	79	79	80	80	22
175°	72	72	72	70	70	7
180°	71	71	71	71	71	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10322.8	10322.8	10322.8	10322.8	10322.8
2.5°	10280.9	10324.2	10270.5	10328.7	10343.7
5°	10255.6	10291.4	10219.8	10251.1	10237.7
7.5°	10209.3	10221.2	10136.2	10161.5	10134.7
10°	10140.7	10134.7	10034.7	10083.9	10089.9
12.5°	10039.2	10021.2	9931.7	10006.3	10007.8
15°	9922.8	9883.9	9813.8	9900.3	9912.3
17.5°	9788.4	9737.7	9691.3	9803.3	9785.4
20°	9631.7	9571.9	9563.0	9685.4	9640.6
22.5°	9437.7	9391.3	9412.3	9528.7	9500.3
25°	9218.2	9177.9	9242.1	9327.2	9300.3
27.5°	8986.8	8963.0	9036.1	9101.8	9049.6
30°	8733.1	8719.7	8816.8	8870.4	8804.8
32.5°	8457.0	8461.5	8554.0	8627.2	8565.9
35°	8170.4	8189.8	8273.4	8361.5	8328.7
37.5°	7855.5	7898.8	7982.3	8082.3	8048.0
40°	7522.7	7585.3	7677.8	7798.8	7767.4
42.5°	7162.9	7242.0	7361.4	7495.8	7492.8
45°	6780.8	6891.2	7019.7	7198.8	7221.2
47.5°	6383.8	6507.7	6670.3	6909.2	6943.5
50°	5952.4	6107.7	6310.7	6597.2	6618.2
52.5°	5471.8	5683.8	5952.4	6227.1	6201.7
55°	4989.8	5230.0	5586.8	5810.7	5797.2
57.5°	4509.1	4779.3	5212.1	5371.8	5370.3
60°	3971.8	4313.6	4786.8	4907.6	4788.2
62.5°	3474.8	3841.9	4333.0	4244.9	3835.9
65°	2928.4	3386.7	3844.9	3244.9	2649.3
67.5°	2443.3	2921.0	3265.8	2222.5	1903.1
70°	1955.3	2482.2	2546.3	1649.3	1626.9
72.5°	1522.4	2083.7	1756.8	1412.0	1483.7
75°	1152.2	1671.7	1229.9	1258.3	1340.3
77.5°	840.3	1283.6	956.8	1103.0	1170.2
80°	577.7	909.0	780.6	926.9	973.2
82.5°	362.7	600.0	625.4	746.3	794.1
85°	198.5	380.6	488.1	589.6	617.9
87.5°	82.1	229.8	373.2	455.2	479.1
90°	4.8	147.7	280.6	353.9	373.0
92.5°	12.3	124.5	251.8	318.6	335.7
95°	33.2	147.4	280.7	349.6	375.6
97.5°	165.5	240.2	343.1	409.7	428.9
100°	339.5	403.9	415.9	455.4	464.9
102.5°	530.2	565.2	479.8	464.1	463.5
105°	623.5	646.0	606.8	470.5	446.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	512.1	525.9	545.8	545.8	528.0
115°	439.4	450.4	474.9	481.9	484.1
117.5°	376.1	381.6	405.7	412.9	416.8
120°	316.1	323.4	346.2	351.2	351.0
122.5°	266.1	273.6	294.2	299.2	299.0
125°	218.8	230.3	251.0	254.7	254.5
127.5°	188.6	196.1	215.6	219.2	219.0
130°	165.3	172.6	185.1	191.8	192.7
132.5°	150.9	154.9	164.4	171.2	172.8
135°	136.8	140.8	146.4	155.6	157.8
137.5°	127.4	129.9	133.2	142.4	144.8
140°	118.3	120.8	121.8	129.4	131.8
142.5°	109.2	113.3	114.2	119.6	121.9
145°	103.4	106.6	109.1	111.4	112.9
147.5°	99.1	100.8	102.4	104.1	105.6
150°	94.1	95.8	97.4	98.3	99.1
152.5°	90.8	91.6	93.3	94.1	94.1
155°	86.6	89.8	90.6	91.4	89.9
157.5°	84.1	86.4	87.2	88.1	88.1
160°	81.6	83.1	83.9	84.8	84.8
162.5°	80.6	80.6	81.4	82.2	82.2
165°	78.1	78.9	78.9	79.8	79.8
167.5°	76.4	77.9	77.2	77.2	78.1
170°	74.8	74.8	75.6	74.1	74.1
172.5°	73.1	73.9	73.9	72.4	72.4
175°	72.2	72.2	71.6	70.1	70.1
177.5°	72.9	72.2	70.8	69.2	67.8
180°	70.8	70.8	70.8	70.8	70.8



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	630.8	651.7	648.2	534.8	465.2
110°	579.8	601.4	613.7	577.2	522.6



(END OF REPORT)