

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: P828366

Luminaire Tested: **OHBL-30HE-MCL-UNV-L940-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828366
REPORT IS A COMBINATION OF REPORTS P826276 AND G3-2310-221-4
Test Lab: INNOVATION CENTER
Issue Date: 5/3/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: OHBL-30HE-MCL-UNV-L940-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

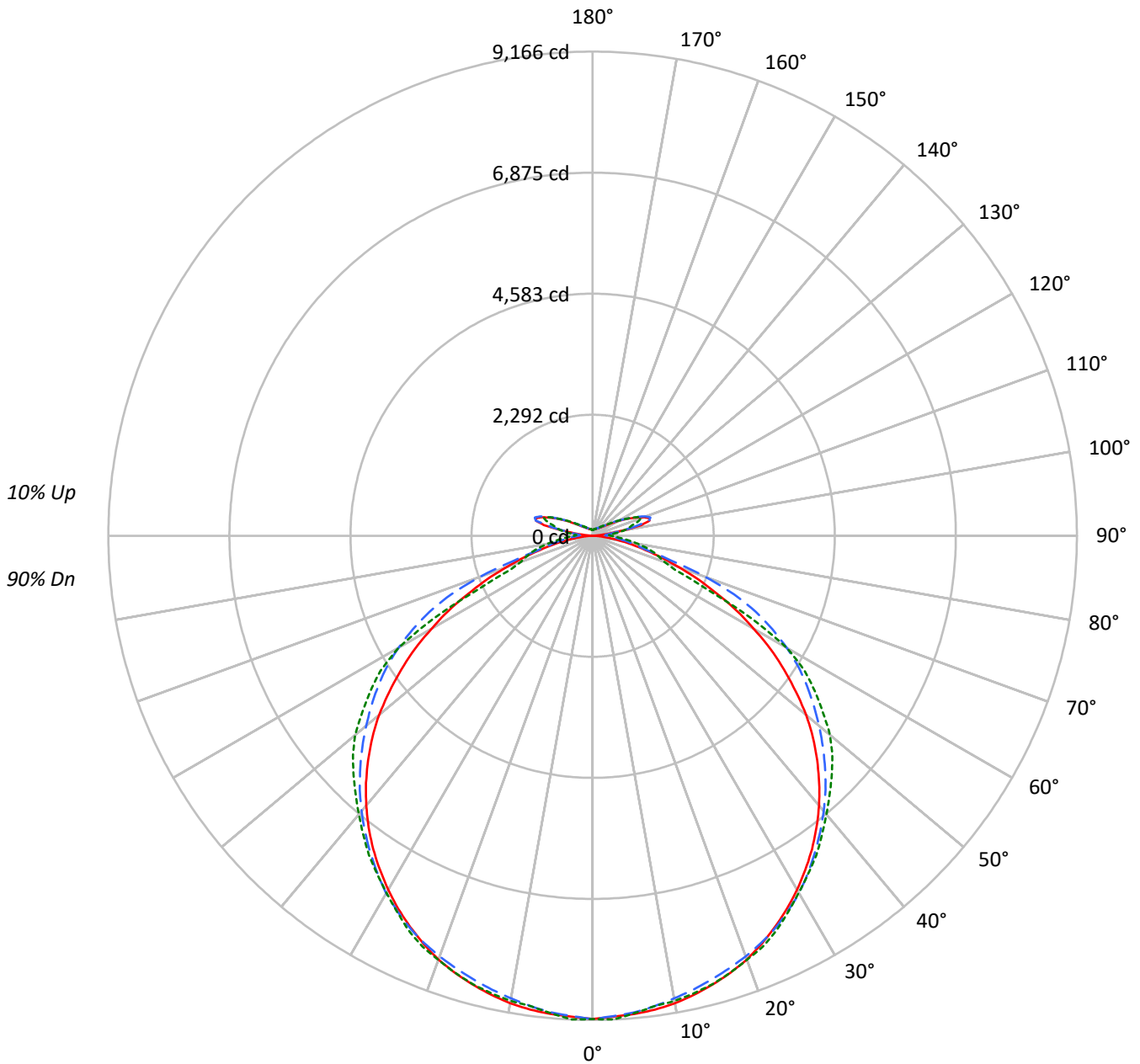
Lumens per Lamp: N/A
Luminaire Lumens: 28518.6 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 187
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	105	105	105	99	99	99	93	93	93	90																			
1	107	102	98	94	103	99	95	92	93	90	87	87	85	83	82	80	78	76																			
2	97	89	83	77	94	87	81	76	81	77	72	77	73	69	72	69	66	63																			
3	89	79	71	64	85	76	69	63	72	66	61	68	63	58	64	60	56	54																			
4	81	70	61	55	78	68	60	54	64	57	52	60	55	50	57	52	48	46																			
5	75	62	53	47	72	60	52	46	57	50	45	54	48	43	51	46	42	40																			
6	69	56	47	41	66	54	46	40	52	44	39	49	43	38	46	41	37	35																			
7	64	51	42	36	61	49	41	36	47	40	35	45	38	34	42	37	33	31																			
8	59	46	38	32	57	45	37	32	43	36	31	41	35	30	39	33	29	27																			
9	55	42	34	29	53	41	34	28	39	32	28	38	31	27	36	30	26	24																			
10	52	39	31	26	50	38	31	26	36	30	25	35	29	25	33	28	24	22																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14467	14467	14467
5°	14312	14257	14347
10°	14199	14041	14248
15°	14048	13879	14214
20°	13896	13778	14151
25°	13665	13675	14092
30°	13415	13514	13895
35°	13127	13257	13822
40°	12770	12993	13703
45°	12300	12686	13708
50°	11688	12338	13709
55°	10767	11995	13326
60°	9594	11493	12469
65°	8102	10561	8027
70°	6387	8244	5946
75°	4637	4894	6232
80°	3056	4069	6283
85°	1550	3729	6607



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	862.5	3.0
10°-20°	2473.4	8.7
20°-30°	3777.6	13.2
30°-40°	4583.5	16.1
40°-50°	4804.0	16.8
50°-60°	4353.1	15.3
60°-70°	2918.6	10.2
70°-80°	1310.6	4.6
80°-90°	481.2	1.7
90°-100°	349.0	1.2
100°-110°	998.0	3.5
110°-120°	799.9	2.8
120°-130°	380.2	1.3
130°-140°	195.1	0.7
140°-150°	115.2	0.4
150°-160°	68.9	0.2
160°-170°	36.5	0.1
170°-180°	11.2	0.0
0°-30°	7113.5	24.9
0°-40°	11697.1	41.0
0°-60°	20854.2	73.1
0°-90°	25564.6	89.6
90°-120°	2146.9	7.5
90°-150°	2837.4	9.9
90°-180°	2954.0	10.4
0°-180°	28518.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9148	9148	9148	9148	9148	
5°	9088	9120	9056	9084	9072	864
15°	8793	8759	8697	8773	8784	2483
25°	8169	8133	8190	8266	8242	3765
35°	7240	7258	7332	7410	7381	4525
45°	6009	6107	6221	6379	6399	4629
55°	4422	4635	4951	5149	5137	3947
65°	2595	3001	3407	2876	2348	2586
75°	1021	1481	1090	1115	1188	1116
85°	176	337	432	522	548	215
90°	7	148	270	333	347	15
95°	51	170	275	340	357	181
105°	1116	1149	1108	867	778	1055
115°	778	783	804	818	805	778
125°	387	399	423	416	413	362
135°	234	239	246	257	258	184
145°	174	178	182	185	186	111
155°	143	147	148	150	149	67
165°	126	127	128	129	129	36
175°	115	116	115	114	114	11
180°	113	113	113	113	113	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9147.7	9147.7	9147.7	9147.7	<i>9147.7</i>
2.5°	<i>9110.6</i>	<i>9149.1</i>	<i>9101.4</i>	<i>9153.0</i>	<i>9166.2</i>
5°	9088.2	9120.0	9056.5	9084.2	<i>9072.3</i>
7.5°	9047.2	9057.8	8982.4	9004.8	<i>8981.0</i>
10°	8986.3	8981.0	8892.4	8936.1	<i>8941.4</i>
12.5°	8896.4	8880.5	8801.1	8867.3	<i>8868.6</i>
15°	8793.2	8758.9	8696.7	8773.4	<i>8784.0</i>
17.5°	8674.2	8629.2	8588.2	8687.4	<i>8671.6</i>
20°	8535.3	8482.4	8474.5	8582.9	<i>8543.2</i>
22.5°	8363.4	8322.3	8340.8	8444.0	<i>8418.9</i>
25°	8169.0	8133.2	8190.1	8265.5	<i>8241.6</i>
27.5°	7963.9	7942.7	8007.6	8065.7	<i>8019.5</i>
30°	7739.0	7727.2	7813.1	7860.7	<i>7802.6</i>
32.5°	7494.4	7498.3	7580.3	7645.1	<i>7590.9</i>
35°	7240.4	7257.6	7331.7	7409.7	<i>7380.6</i>
37.5°	6961.3	6999.6	7073.7	7162.4	<i>7132.0</i>
40°	6666.4	6721.9	6803.9	6911.0	<i>6883.3</i>
42.5°	6347.6	6417.7	6523.5	6642.6	<i>6639.9</i>
45°	6009.0	6106.9	6220.6	6379.3	<i>6399.2</i>
47.5°	5657.1	5766.9	5911.1	6122.7	<i>6153.1</i>
50°	5274.9	5412.5	5592.4	5846.3	<i>5864.8</i>
52.5°	4849.0	5036.8	5274.9	5518.3	<i>5495.8</i>
55°	4421.7	4634.7	4950.8	5149.2	<i>5137.3</i>
57.5°	3995.9	4235.2	4618.8	4760.4	<i>4759.0</i>
60°	3519.7	3822.6	4241.8	4349.0	<i>4243.1</i>
62.5°	3079.2	3404.6	3839.7	3761.7	<i>3399.3</i>
65°	2595.1	3001.1	3407.3	2875.5	<i>2347.8</i>
67.5°	2165.3	2588.5	2894.0	1969.5	<i>1686.5</i>
70°	1732.7	2199.6	2256.5	1461.5	<i>1441.7</i>
72.5°	1349.1	1846.4	1556.8	1251.3	<i>1314.8</i>
75°	1021.1	1481.4	1089.9	1115.1	<i>1187.7</i>
77.5°	744.7	1137.5	847.9	977.4	<i>1037.0</i>
80°	511.8	805.5	691.7	821.4	<i>862.4</i>
82.5°	321.4	531.8	554.2	661.4	<i>703.6</i>
85°	175.9	337.3	432.5	522.4	<i>547.6</i>
87.5°	72.8	203.7	330.6	403.4	<i>424.5</i>
90°	7.4	148.1	270.5	333.4	<i>346.6</i>
92.5°	19.6	130.3	239.9	296.6	<i>307.6</i>
95°	50.9	170.1	275.2	340.4	<i>357.0</i>
97.5°	305.2	356.4	389.2	458.2	<i>497.4</i>
100°	601.3	677.5	577.5	607.8	<i>616.2</i>
102.5°	947.8	996.9	839.4	729.2	<i>707.1</i>
105°	1115.6	1149.4	1108.3	866.8	<i>777.7</i>



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	899.5	915.8	943.1	943.7	925.5
115°	777.5	782.8	804.3	818.4	805.4
117.5°	657.5	664.4	686.0	687.0	682.7
120°	554.9	564.0	579.5	580.9	575.2
122.5°	465.3	478.4	497.2	494.3	487.8
125°	386.6	399.2	422.9	416.4	412.6
127.5°	330.6	338.4	356.7	359.9	356.8
130°	286.2	294.5	309.8	316.8	316.0
132.5°	257.1	264.5	274.6	282.5	281.6
135°	233.6	239.3	245.8	256.7	258.1
137.5°	214.1	220.1	224.5	234.6	235.9
140°	199.3	203.6	206.7	213.7	215.9
142.5°	184.9	189.7	192.8	198.5	200.7
145°	173.6	177.5	181.9	184.9	186.3
147.5°	164.5	168.0	171.5	173.2	174.5
150°	156.7	159.3	162.8	163.6	164.5
152.5°	149.7	151.5	154.1	155.8	155.8
155°	142.8	146.7	148.4	150.2	148.8
157.5°	137.5	140.6	142.3	143.2	144.1
160°	133.2	135.4	137.1	138.0	138.9
162.5°	129.3	131.0	131.9	132.8	133.6
165°	125.8	126.7	127.5	129.3	129.3
167.5°	122.3	124.6	124.1	124.9	124.9
170°	119.7	120.6	121.5	120.2	120.2
172.5°	117.1	118.0	118.9	117.5	117.5
175°	115.4	116.2	114.9	114.5	114.5
177.5°	115.9	115.4	114.1	112.8	112.3
180°	113.2	113.2	113.2	113.2	113.2



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1116.0	1150.2	1149.0	1027.5	908.4
110°	1025.2	1056.6	1068.0	1035.6	977.3



(END OF REPORT)