

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: P827770

Luminaire Tested: **OHBL-30HE-N-UNV-L930-CD-UPL30**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P827770
REPORT IS A COMBINATION OF REPORTS P826278 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-N-UNV-L930-CD-UPL30
Description:
Light Source: -
Ballast/Driver: -

Summary

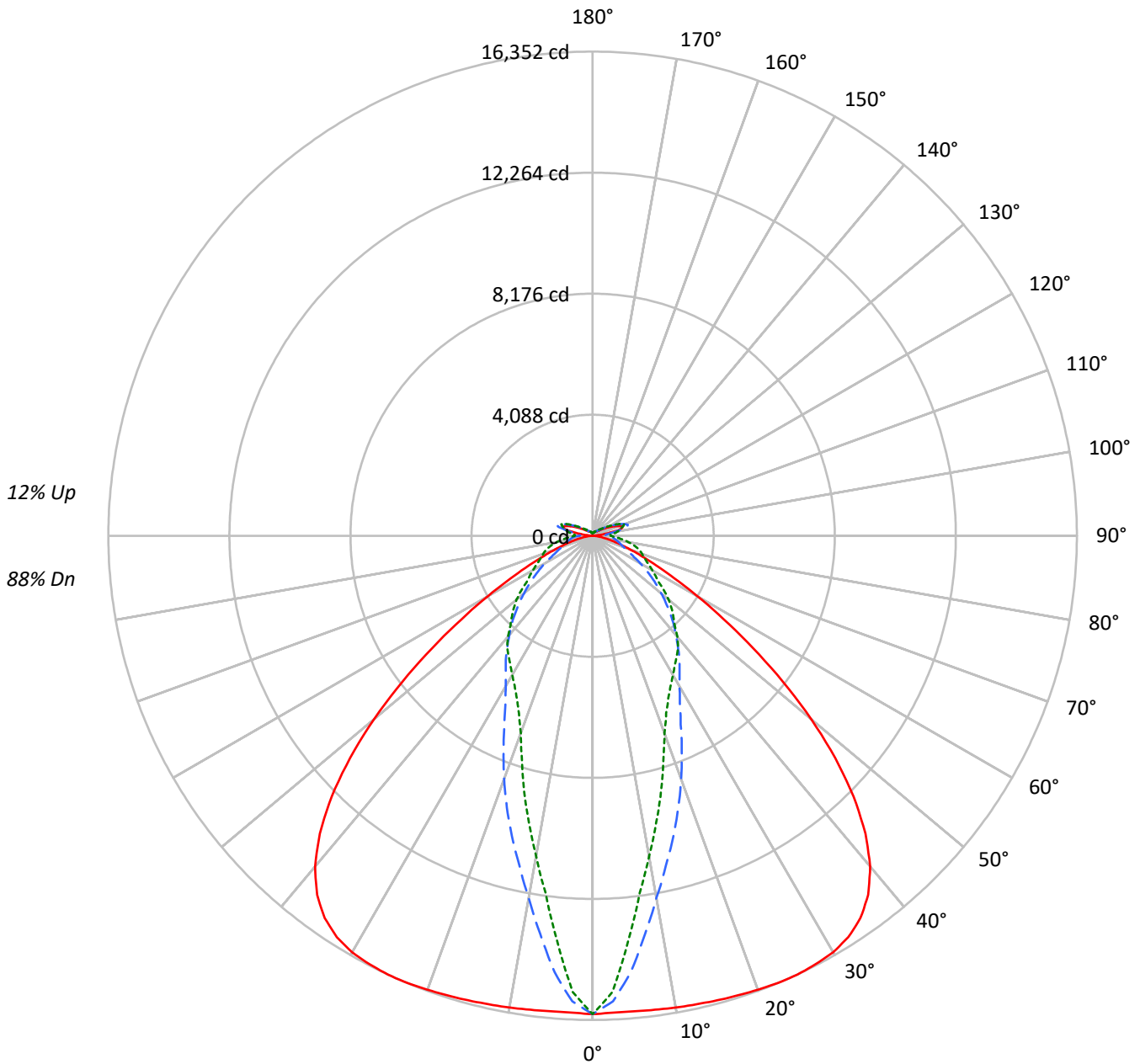
Lumens per Lamp: N/A
Luminaire Lumens: 26316.8 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Semi-Direct

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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88																			
1	107	102	98	95	103	99	95	92	92	89	87	86	84	82	81	79	78	75																			
2	98	91	84	79	94	88	82	77	82	78	74	77	74	70	73	70	67	64																			
3	90	81	74	68	87	78	72	66	74	68	64	69	65	61	65	62	58	56																			
4	83	73	65	59	80	71	63	58	67	60	56	63	58	54	59	55	52	49																			
5	77	66	58	52	75	64	56	51	61	54	49	57	52	48	54	50	46	44																			
6	72	60	52	46	69	58	51	45	55	49	44	53	47	43	50	45	41	39																			
7	67	55	47	41	65	53	46	41	51	44	40	48	43	38	46	41	37	35																			
8	63	50	43	37	61	49	42	37	47	40	36	45	39	35	43	38	34	32																			
9	59	47	39	34	57	46	38	34	44	37	33	42	36	32	40	35	31	29																			
10	56	43	36	31	54	42	35	31	41	34	30	39	33	29	37	32	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25547	25547	25547
5°	25387	23275	21736
10°	25565	19614	17514
15°	25952	16783	14446
20°	26562	14197	11745
25°	27352	11757	10347
30°	28156	10134	9667
35°	28585	9241	9268
40°	27925	8352	8855
45°	25513	7553	8263
50°	21352	6678	7827
55°	16069	5855	7042
60°	11126	5028	6835
65°	7368	4337	6812
70°	4925	4078	7324
75°	3309	4218	8116
80°	2157	4694	8882
85°	1125	5924	10591



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1359.8	5.2
10°-20°	3198.8	12.2
20°-30°	4009.7	15.2
30°-40°	4254.7	16.2
40°-50°	3847.0	14.6
50°-60°	2789.3	10.6
60°-70°	1750.4	6.7
70°-80°	1158.4	4.4
80°-90°	672.6	2.6
90°-100°	514.6	2.0
100°-110°	1088.2	4.1
110°-120°	849.9	3.2
120°-130°	402.8	1.5
130°-140°	200.1	0.8
140°-150°	115.8	0.4
150°-160°	65.3	0.2
160°-170°	30.1	0.1
170°-180°	9.2	0.0
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0°-30°	8568.3	32.6
0°-40°	12823.0	48.7
0°-60°	19459.3	73.9
0°-90°	23040.7	87.6
90°-120°	2452.8	9.3
90°-150°	3171.5	12.1
90°-180°	3276.0	12.4
0°-180°	26316.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16154	16154	16154	16154	16154	
5°	16121	15708	14785	14100	13744	###
15°	16244	13240	10516	9352	8928	4607
25°	16352	10238	7041	6250	6051	7554
35°	15766	6806	5110	4950	4949	9801
45°	12464	4311	3704	3793	3857	9495
55°	6599	2672	2417	2621	2715	5962
65°	2360	1550	1399	1793	1992	2456
75°	729	835	939	1459	1547	812
85°	128	346	687	956	878	153
90°	6	178	442	610	615	12
95°	52	194	464	620	652	172
105°	1044	1108	1216	1059	982	987
115°	730	761	884	931	921	731
125°	369	386	459	472	466	344
135°	222	229	253	279	279	175
145°	169	173	180	194	192	107
155°	139	146	149	152	149	62
165°	104	104	105	107	107	30
175°	94	95	95	95	95	9
180°	93	93	93	93	93	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16153.6	16153.6	16153.6	16153.6	16153.6
2.5°	16119.7	16027.5	15739.9	15564.7	15417.1
5°	16121.2	15707.7	14785.2	14099.6	13744.4
7.5°	16144.3	15225.0	13563.0	12562.1	12171.6
10°	16179.7	14626.9	12422.2	11355.3	10990.9
12.5°	16205.8	13953.5	11418.4	10322.2	9922.5
15°	16244.3	13240.2	10515.9	9352.0	8927.7
17.5°	16279.6	12568.3	9624.2	8408.0	7936.1
20°	16315.0	11844.2	8732.5	7479.5	7090.5
22.5°	16348.8	11080.1	7862.3	6758.5	6492.5
25°	16351.9	10237.6	7041.3	6249.5	6051.3
27.5°	16311.9	9364.4	6375.6	5823.7	5700.7
30°	16242.7	8517.2	5859.0	5516.2	5428.6
32.5°	16070.6	7653.2	5459.3	5219.5	5168.7
35°	15766.1	6806.1	5110.4	4950.5	4948.9
37.5°	15286.5	6054.3	4732.1	4704.5	4738.3
40°	14577.7	5396.3	4373.9	4447.7	4447.7
42.5°	13632.2	4824.4	4049.5	4124.8	4104.9
45°	12463.8	4310.9	3703.6	3792.8	3857.4
47.5°	11109.3	3858.9	3350.0	3522.2	3611.4
50°	9636.5	3428.4	3027.1	3247.0	3348.4
52.5°	8092.9	3030.2	2712.0	2964.2	3045.6
55°	6598.6	2672.0	2416.8	2621.3	2715.0
57.5°	5245.6	2330.7	2127.8	2321.5	2515.2
60°	4081.8	2037.1	1855.7	2132.4	2326.1
62.5°	3117.8	1775.7	1600.4	1955.6	2149.3
65°	2359.9	1549.7	1399.1	1792.6	1992.5
67.5°	1778.8	1354.4	1242.2	1674.2	1869.5
70°	1336.0	1165.4	1116.1	1600.4	1775.7
72.5°	987.1	991.7	1016.2	1535.8	1669.6
75°	728.7	834.8	939.4	1459.0	1546.7
77.5°	521.2	691.9	870.2	1366.7	1397.5
80°	361.3	564.2	797.9	1245.3	1219.1
82.5°	226.0	452.0	733.3	1111.5	1039.3
85°	127.6	345.9	687.2	956.3	877.8
87.5°	56.9	258.3	601.2	745.6	696.5
90°	5.7	177.7	441.8	610.5	615.1
92.5°	20.0	161.2	420.8	579.0	596.0
95°	52.2	194.4	463.7	619.7	651.7
97.5°	289.0	368.8	571.5	724.9	774.9
100°	564.5	666.8	740.2	852.0	871.4
102.5°	887.0	966.2	975.1	947.7	935.7
105°	1044.5	1108.0	1215.5	1059.2	982.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	843.1	886.5	1027.1	1067.4	1055.7
115°	729.8	760.6	884.3	930.6	920.7
117.5°	619.8	647.0	757.7	789.7	784.7
120°	524.4	550.2	640.8	668.2	661.8
122.5°	441.2	465.6	546.5	563.8	555.0
125°	369.2	385.9	458.6	472.0	465.6
127.5°	314.4	324.7	382.7	403.4	397.9
130°	273.1	282.7	327.7	350.8	350.0
132.5°	243.3	252.0	285.4	309.3	308.5
135°	221.5	228.6	253.4	279.0	279.0
137.5°	202.1	212.3	228.7	252.0	252.0
140°	188.3	195.5	208.7	228.8	229.6
142.5°	177.8	182.5	192.7	209.8	210.6
145°	168.8	172.7	179.9	193.8	192.2
147.5°	159.1	165.4	170.2	179.5	177.9
150°	151.8	158.8	162.1	167.5	166.8
152.5°	145.3	151.6	154.0	158.7	157.1
155°	138.9	145.9	149.1	152.2	149.1
157.5°	115.6	117.2	118.8	119.6	120.4
160°	111.6	112.4	114.0	114.8	115.6
162.5°	106.7	108.3	109.1	109.9	110.7
165°	103.5	104.3	105.1	106.7	106.7
167.5°	100.2	101.0	101.9	102.7	102.7
170°	97.8	98.6	99.4	99.4	99.4
172.5°	95.4	96.2	97.0	97.0	97.0
175°	93.8	94.6	94.6	95.4	95.4
177.5°	93.0	93.8	93.8	93.8	94.6
180°	93.0	93.0	93.0	93.0	93.0



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	1043.7	1109.0	1241.7	1185.6	1083.2
110°	959.6	1019.6	1156.2	1171.8	1126.1



(END OF REPORT)