

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: P828369

Luminaire Tested: **OHBL-30HE-N-UNV-L940-CD-UPL15**

Issue Date: 5/3/2024



Test Information

Test Method: LM-79-08
Report Number: P828369
REPORT IS A COMBINATION OF REPORTS P826122 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-N-UNV-L940-CD-UPL15
Description:
Light Source: -
Ballast/Driver: -

Summary

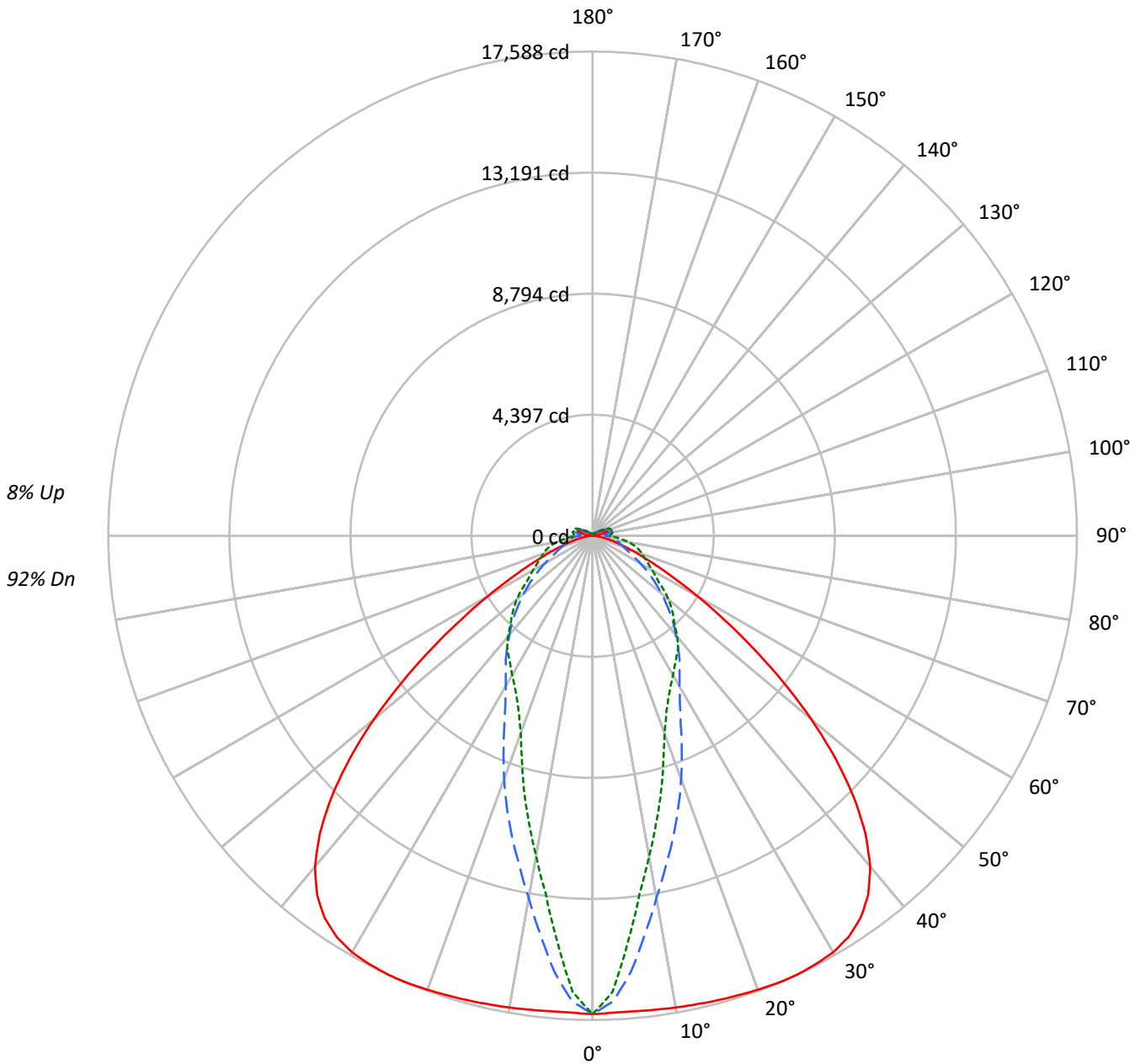
Lumens per Lamp: N/A
Luminaire Lumens: 26964.2 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.53 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 3.78' x L: 1.8' x H: 0.17')
CIE Type: Direct

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	108	103	99	96	104	100	97	93	95	92	89	89	87	85	84	83	81	78																			
2	99	92	85	80	96	89	83	79	84	80	76	80	76	73	76	73	70	67																			
3	91	82	74	68	88	80	73	67	76	70	65	72	67	63	68	64	61	59																			
4	84	74	66	59	82	72	64	59	68	62	57	65	60	55	62	58	54	52																			
5	78	67	58	52	76	65	57	52	62	55	50	59	54	49	57	52	48	46																			
6	73	61	52	47	70	59	52	46	57	50	45	54	49	44	52	47	43	41																			
7	68	56	48	42	66	54	47	41	52	46	41	50	44	40	48	43	39	37																			
8	64	51	43	38	62	50	43	38	48	42	37	46	41	36	45	40	36	34																			
9	60	47	40	35	58	46	39	34	45	38	34	43	37	33	42	36	33	31																			
10	56	44	37	32	55	43	36	32	42	35	31	40	35	31	39	34	30	28																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27478	27478	27478
5°	27306	25035	23379
10°	27498	21097	18838
15°	27914	18051	15539
20°	28570	15270	12633
25°	29420	12646	11129
30°	30284	10900	10398
35°	30746	9939	9969
40°	30036	8984	9524
45°	27442	8124	8888
50°	22967	7183	8419
55°	17283	6298	7575
60°	11967	5408	7352
65°	7925	4664	7327
70°	5297	4386	7877
75°	3559	4537	8729
80°	2320	5048	9554
85°	1210	6373	11392



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1462.6	5.4
10°-20°	3440.7	12.8
20°-30°	4312.8	16.0
30°-40°	4576.4	17.0
40°-50°	4137.8	15.3
50°-60°	3000.2	11.1
60°-70°	1882.7	7.0
70°-80°	1246.0	4.6
80°-90°	721.1	2.7
90°-100°	474.4	1.8
100°-110°	678.7	2.5
110°-120°	525.1	1.9
120°-130°	252.6	0.9
130°-140°	123.4	0.5
140°-150°	70.5	0.3
150°-160°	38.4	0.1
160°-170°	15.9	0.1
170°-180°	4.8	0.0
0°-30°	9216.1	34.2
0°-40°	13792.5	51.2
0°-60°	20930.4	77.6
0°-90°	24780.3	91.9
90°-120°	1678.2	6.2
90°-150°	2124.8	7.9
90°-180°	2184.0	8.1
0°-180°	26964.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17375	17375	17375	17375	17375	
5°	17340	16895	15903	15166	14784	###
15°	17472	14241	11311	10059	9603	4955
25°	17588	11012	7574	6722	6509	8125
35°	16958	7321	5497	5325	5323	10542
45°	13406	4637	3984	4080	4149	10213
55°	7097	2874	2600	2819	2920	6413
65°	2538	1667	1505	1928	2143	2641
75°	784	898	1010	1569	1664	874
85°	137	372	739	1029	944	165
90°	3	175	454	637	646	11
95°	31	172	470	636	679	93
105°	564	615	737	691	674	534
115°	397	430	568	612	610	401
125°	203	220	293	316	314	191
135°	125	132	156	181	182	99
145°	99	102	107	122	121	62
155°	83	89	92	94	92	36
165°	55	55	56	56	56	16
175°	50	50	50	50	50	5
180°	50	50	50	50	50	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17374.8	17374.8	17374.8	17374.8	17374.8
2.5°	17338.4	17239.2	16929.9	16741.4	16582.7
5°	17340.0	16895.2	15903.0	15165.5	14783.5
7.5°	17364.8	16376.0	14588.4	13511.9	13091.8
10°	17402.9	15732.7	13361.4	12213.8	11821.8
12.5°	17431.0	15008.4	12281.6	11102.5	10672.6
15°	17472.4	14241.2	11310.9	10059.0	9602.7
17.5°	17510.4	13518.5	10351.8	9043.7	8536.1
20°	17548.4	12739.6	9392.7	8045.0	7626.6
22.5°	17584.8	11917.7	8456.7	7269.4	6983.3
25°	17588.1	11011.6	7573.6	6722.0	6508.7
27.5°	17545.1	10072.3	6857.7	6264.0	6131.7
30°	17470.7	9161.2	6302.0	5933.3	5839.0
32.5°	17285.5	8231.8	5872.1	5614.1	5559.5
35°	16958.1	7320.6	5496.7	5324.7	5323.1
37.5°	16442.2	6512.1	5089.9	5060.2	5096.5
40°	15679.8	5804.2	4704.6	4783.9	4783.9
42.5°	14662.8	5189.1	4355.7	4436.7	4415.2
45°	13406.1	4636.8	3983.6	4079.5	4149.0
47.5°	11949.2	4150.6	3603.2	3788.5	3884.4
50°	10365.0	3687.6	3256.0	3492.5	3601.6
52.5°	8704.7	3259.3	2917.0	3188.3	3275.9
55°	7097.4	2874.0	2599.6	2819.4	2920.3
57.5°	5642.2	2507.0	2288.6	2497.0	2705.4
60°	4390.4	2191.1	1996.0	2293.6	2501.9
62.5°	3353.5	1909.9	1721.4	2103.4	2311.8
65°	2538.3	1666.9	1504.8	1928.2	2143.1
67.5°	1913.3	1456.8	1336.2	1800.8	2010.9
70°	1437.0	1253.5	1200.5	1721.4	1909.9
72.5°	1061.7	1066.6	1093.1	1651.9	1795.8
75°	783.8	898.0	1010.4	1569.3	1663.6
77.5°	560.6	744.2	936.0	1470.1	1503.2
80°	388.6	606.9	858.2	1339.5	1311.3
82.5°	243.1	486.2	788.8	1195.6	1117.8
85°	137.3	372.0	739.2	1028.6	944.2
87.5°	61.2	277.8	646.6	802.0	749.1
90°	2.6	174.6	453.5	636.6	645.9
92.5°	12.0	153.4	435.2	608.0	633.2
95°	31.0	171.7	470.0	636.1	679.2
97.5°	152.6	258.5	531.2	680.6	716.1
100°	302.9	402.5	585.7	711.2	733.8
102.5°	482.8	535.0	635.8	701.1	709.1
105°	563.6	615.3	737.0	690.7	673.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	459.1	504.9	647.5	686.4	679.0
115°	397.2	430.4	567.7	612.3	609.5
117.5°	345.0	368.1	489.0	528.5	528.4
120°	291.1	314.4	414.6	447.5	446.6
122.5°	244.1	264.3	351.3	376.9	374.4
125°	203.3	220.3	293.4	316.4	313.9
127.5°	174.7	184.1	245.6	268.7	265.4
130°	153.8	161.5	206.4	230.4	230.4
132.5°	137.4	144.2	178.3	202.3	203.2
135°	125.2	132.0	156.1	181.0	181.9
137.5°	116.5	123.2	139.9	162.3	163.2
140°	107.8	113.7	126.2	147.0	147.9
142.5°	103.4	106.8	115.1	133.5	133.5
145°	98.9	102.3	107.4	122.3	120.7
147.5°	94.6	99.6	103.0	111.3	110.5
150°	90.2	96.9	97.8	103.6	102.0
152.5°	86.8	92.6	94.3	97.6	96.9
155°	83.3	89.1	92.5	94.2	91.7
157.5°	60.9	61.7	62.6	63.5	63.5
160°	58.3	59.1	60.0	60.0	60.9
162.5°	56.5	57.4	57.4	58.3	58.3
165°	54.8	54.8	55.6	55.6	55.6
167.5°	53.0	53.0	53.9	53.9	54.8
170°	51.3	52.2	52.2	52.2	53.0
172.5°	50.4	50.4	51.3	51.3	51.3
175°	49.6	49.6	49.6	50.4	50.4
177.5°	48.7	49.6	49.6	49.6	49.6
180°	49.6	49.6	49.6	49.6	49.6



Report Generated By 670246072 / DESKTOP-50001EG





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







107.5°	563.6	619.0	761.7	718.8	666.9
110°	522.6	573.3	719.4	736.2	693.9



(END OF REPORT)